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

September 5, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #807132_Crown_VZW
1081 North Street, Greenwich, CT 06831
Latitude: 41° 8′ 21.50″ / Longitude: -73° 38′ 30.54″

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 1081 North Street, Greenwich, CT 06831. The property and the tower are owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters to be installed at the 176-foot level of the tower of the 175-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:
(2) 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 Connecticut Siting Council on February 17, 1988. The approval was given with conditions which this exempt modification complies with. Please see attached.

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

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

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

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

Sincerely,

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

Attachments
cc:

First Selectman Fred Camillo
Town of Greenwich
Selectman's Office
101 Field Point Road
Greenwich, CT 06830
203-622-7710

Planning Director Patrick LaRow
Town of Greenwich
101 Field Point Road, 2nd Floor
Greenwich, CT 06830
203-622-7894

Crown Castle, Property & Tower Owner

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

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

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

2891358

SIX HUNDRED TWENTY FIVE AND 00/100**

DATE 08/30/23

$*******625.00

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

2695915

VP and Controller

Asst. Controller

VOID AFTER 180 DAYS

⑈2891358⑈ ⑆111000614⑆ 103410453⑈

Check No 2891358
Check Date 08/30/23

Stub 1 of 1

CKRQ 807132 654636 ZAP	08/30/23	Invoice Summ	625.00	625.00
			625.00	625.00

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773253010288: Your package has been delivered
Date: Wednesday, September 6, 2023 11:06:32 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 Wed, 09/06/2023 at 10:59am.

Delivered to 101 FIELD POINT RD, GREENWICH, CT 06830
Received by A.ANGIE

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773253010288
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Greenwich First Selectman Fred Camillo 101 Field Point Road GREENWICH, CT, US, 06830
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Tue 9/05/2023 05:24 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GREENWICH, CT, US, 06830
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

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

TRACK A PACKAGE

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773253049689: Your package has been delivered
Date: Wednesday, September 6, 2023 11:01:40 AM

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Hi. Your package was delivered Wed, 09/06/2023 at 10:55am.

Delivered to 101 FIELD POINT RD, GREENWICH, CT 06830
Received by A.KIM

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773253049689
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Greenwich Planning Director Patrick LaRow 101 Field Point Road, 2nd Floor GREENWICH, CT, US, 06830
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Tue 9/05/2023 05:24 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GREENWICH, CT, US, 06830
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

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

TRACK A PACKAGE

DOCKET NO. 86 - An application of Metro Mobile CTS of Fairfield County, Inc., for a Certificate of Environmental Compatibility and Public Need for cellular telephone antennas and associated equipment in the Towns of Greenwich, and Fairfield, Connecticut. : Connecticut Siting Council February 17, 1988

DECISION AND ORDER

Pursuant to the forgoing opinion, the Connecticut Siting Council hereby directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS) be issued to Metro Mobile CTS of Fairfield County, Inc. (Metro Mobile) for the construction, operation, and maintenance of cellular telephone tower sites and associated equipment at the "Greenwich AC/A" site off of North Street in Greenwich, and "Fairfield DE/A" site off of Wood House Road in Fairfield.

The proposed "Greenwich A" Riversville site, "Greenwich AC" Rockwood Lake site, and "Fairfield DE" sites are hereby denied.

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

1. The monopole tower at the "Greenwich AC/A" Banksville site shall be no taller than necessary to provide the proposed service, and in no event shall exceed a total height of 213 feet, including antennas and associated equipment.
2. The monopole tower at the "Fairfield DE/A" site shall be no taller than necessary to provide the proposed service, and in no event shall exceed a total height of 173 feet, including antennas.

3. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.
4. Unless necessary to comply with condition number 3, above, no lights shall be installed on these towers.
5. The Certificate Holder shall prepare development and management (D&M) plans for the Greenwich and Fairfield sites in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plans shall provide for evergreen screening around the outside perimeters of the eight-foot chain link fences which will surround the sites.
6. The Certificate Holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application are added to these facilities.
7. The Certificate Holder or its successor shall permit public or private entities to share space on the Greenwich and Fairfield towers for due consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
8. If these facilities do not provide, or permanently cease to provide, cellular service following completion of construction, this Decision and Order

shall be void, and the towers and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

9. The Certificate Holder shall comply with any future radio frequency (RF) standards promulgated by State of federal regulatory agencies. Upon the establishment of any new governmental RF Standards, the facilities granted in this Decision and Order shall be brought into compliance with such standards.

10. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision and Order.

Pursuant to CGS Section 16-50p, we hereby direct that a copy of this Decision and Order be served on each person listed below. A notice of issuance shall be published in the Greenwich Time, the Advocate, the Norwalk Hour, and Bridgeport Post.

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

The parties or intervenors to this proceeding are:

Metro Mobile CTS of Fairfield County, Inc. (Applicant)
50 Rockland Street
South Norwalk, CT 06854

ATTN: Peter Kelley, Vice President
Michael Riley, General Manager

Howard L. Slater, Esq. (Its Attorneys)
Jennifer Young Gaudet, Esq.
Byrne, Slater, Sandler,
Schulman & Rouse, P.C.
330 Main Street - PO Box 3216
Hartford, CT 06103

Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D.C. 20036

ATTN: Richard Rubin, Esq.

SNET Cellular, Inc. Intervenor

Peter J. Tyrrell, Esq. (Its Attorney)
Senior Attorney
SNET Cellular, Inc.
227 Church Street
New Haven, CT 06506

Joan Koloski (Intervenor)
11 Turner Lane
Wilton, CT 06897

Town of Wilton Party

Louis H. Reens (Its Representative)
Second Selectman
Town of Wilton
Town Hall
238 Danbury Road
Wilton, CT 06897

Joseph C. Lee, Esq. Alice A. Bruno, Esq. Tyler Cooper & Alcorn 205 Church Street PO Box 1936 New Haven, CT 06509	(Its Attorneys)
David A. Schorsch	Party
Holly K. Dustin, Esq. Albert, Pastore & Ward, P.C. Attorneys At Law 125 Mason Street PO Box 16668 Greenwich, CT 06636	(Its Attorney)
Ms. Rita Shannon	Party
Stephen J. Adams, Esq. Attorney At Law 23 Ash Street Fairfield, CT 06430	(Its Attorney)
Robert E. Sheriden, Jr. Irene T. Sheriden 49 Quail Ridge Road Wilton, CT 06897	Parties
John C. Parker Attorney At Law 16 Cricket Lane PO Box 548 Wilton, CT 06897	(Its Attorney)
Margaret A. Doheny Joseph A. Charles	Parties
Robert P. Scholl Attorney At Law 31 Imperial Avenue Westport, CT 06880	(Its Attorney)
Robert E. Tomasson 355 Riversville Road Greenwich, CT 06831	Party
The Hon. Fred H. Lovegrove, Jr. State Senator 431 Catamount Road Fairfield, CT 06430 (Service Waived)	Party

Ogden Bigelow 25 Hidden Lake Road Wilton, CT 06897	Party
William F. Brennan 41 Hunting Ridge Lane Wilton, CT 06897 (Service Waived)	Intervenor
John Cole 79 Warncke Road Wilton, CT 06897 (Service Waived)	Intervenor
Ms. Kyle Cahill 140 Catalpa Road Wilton, CT 06897 (Service Waived)	Intervenor
John B. Rust 2674 Congress Street Fairfield, CT 06430 (Service Waived)	Intervenor
Patrick Byrne 2525 Hillside Road Fairfield, CT 06430 (Service Waived)	Party
Town of Fairfield	Party
Paul Martin Tymniak Attorney At Law 1512 Post Road PO Box 1051 Fairfield, CT 06430	(Its Attorney)
PEACE, Inc.	Party
Ann M. Caggiano President PEACE, Inc. 33 Honey Hill Trail Wilton, CT 06897	(Its Representative)

Dr. Saud M.A. Shawwaf	Party
Charles K. Campbell, Jr. Linda Chiswick, Esq. Cummings and Lockwood Attorneys At Law Ten Stamford Forum PO Box 120 Stamford, CT 06904	(Its Attorneys)
Easton Construction Company, Inc.	Party
William J. Fitzpatrick, III Fitzpatrick & Fray Attorneys At Law 1238 Post Road PO Box 278 Fairfield, CT 06430	(Its Attorneys)
Town of Greenwich	Party
John Margenot First Selectman Town of Greenwich Town Hall 101 Field Point Road PO Box 1249 Greenwich, CT 06830	(Its Representative)
John Gerli 44 South Stanwich Road Greenwich, CT 06830 (Service Waived)	Party
Michael L. Tarnapol Lynn Tarnapol	(Parties)
Alan R. Spirer Spirer, Nasser & Marcus 253 Post Road West PO Box 5201 Westport, CT 06881	(Its Attorney)
Iona Drescher 65 Audubon Lane Fairfield, CT 06430 (Service Waived)	Intervenor

Robert N. Ettlinger
Rosemarie K. Ettlinger — Parties

Thomas F. Hartch — (Its Attorney)
Hartch and Calhoun
Attorneys At Law
193 Field Point Road
Greenwich, CT 06830

The Estate of Mathilde B. Vasileff — Party

Thor L. Crone — (Its Attorney)
Avery & Crone
Attorneys and Counsellors At Law
25 Third Street
Stamford, CT 06905

Joan Caldwell
Robert Tommasson — Parties

Robert Davidson — (Its Attorney)
Davidson, Driscoll and Naylor
Attorneys At Law
544 Riverside Avenue
Box 191
Westport, CT 06881

Rockwood Neighbors Association — Party

Stephan T. Vehslage
President
Rockwood Neighbors Association
40 South Stanwich Road
Greenwich, CT 06830

Daniel Karrell
2 Skyridge Road
Greenwich, CT 06830
(Service Waived)

0994E

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket No. 86 or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 17th day of February, 1988.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Yes
Commissioner Peter Boucher Designee: Roland Miller	Yes
Commissioner Leslie Carothers Designee: Brian Emerick	Absent
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Yes
William H. Smith	Absent
Colin C. Tait	Absent

Tax ID 187/017 Printed 01/12/2021 Card No. 1 of 1

ADMINISTRATIVE INFORMATION

PARCEL NUMBER
11-1794

Parent Parcel Number

Property Address
NORTH STREET 1081

Neighborhood
2900 BANKSVILLE

Property Class
270 Telecommunications

TAXING DISTRICT INFORMATION

Jurisdiction	57	Greenwich, CT
Area	001	
Corporation	057	
District	11	
Section & Plat	399	
Routing Number	5830W0113	

Site Description

Topography:

Public Utilities:
Electric

Street or Road:

Neighborhood:

Zoning:
RA-4 Single Family 4 acre

Legal Acres:
5.6600

OWNERSHIP

CROWN ATLANTIC COMPANY LLC
PMB 353
4017 WASHINGTON ROAD
MCMURRAY, PA 15317

LOT NO 52B & 52C NORTH ST W 113

COMMERCIAL

TRANSFER OF OWNERSHIP

Date		
04/19/1999	CELLCO PARTNERSHIP Bk/Pg: 3256, 203	$875000
03/30/1998	METRO MOBILE CTS OF FFLD Bk/Pg: 3053, 308	$816885
09/14/1990	PENCHO GOSPODINOFF Bk/Pg: 2068, 233	$875000
10/14/1987	GOSPODINOFF NEDA, PENCHO & KALINKA G Bk/Pg: 1767, 253	$0
04/21/1983	GOSPODINOFF NEDA Bk/Pg: 1306, 65&67	$0

VALUATION RECORD

Assessment Year		10/01/2015	10/01/2015	10/01/2016	10/01/2017	10/01/2018	10/01/2019	10/01/2020
Reason for Change		2015 Prelim	2015 Final	2016 List	2017 List	2018 List	2019 List	2020 List
VALUATION	L	2071800	2071800	2071800	2071800	2071800	2071800	2071800
Market	B	610500	610500	556300	556300	556300	556300	556300
	T	2682300	2682300	2628100	2628100	2628100	2628100	2628100
VALUATION	L	1450260	1450260	1450260	1450260	1450260	1450260	1450260
70% Assessed	B	427350	427350	389410	389410	389410	389410	389410
	T	1877610	1877610	1839670	1839670	1839670	1839670	1839670

LAND DATA AND CALCULATIONS

Land Type	Rating Soil ID -or- Actual Frontage	Measured Acreage -or- Effective Frontage	Table Effective Depth	Prod. Factor -or- Depth Factor -or- Square Feet	Base Rate	Adjusted Rate	Extended Value	Influence Factor	Value
1 Primary Commercial				246549.60	14.01	14.01	3453000 B	-40%	2071800

BP14: 14-1010: $29,000 demo house 2016 GL
BP18: 18-1439; Add 6 Antennas $26,000
GEN: Boarded up dwlg depr @ 95% and telecommunications tower w/ ancillary improvements. Real estate owner owns tower.
LAND: V2068 P233 9/14/90 30k+- sf sold to 11-1240 reducing acreage to 5.66+-acres.

Permit Number Type	FilingDate	Est. Cost Est. SqFt	Field Visit

Supplemental Cards

TRUE TAX VALUE 2071800

Supplemental Cards
TOTAL LAND VALUE 2071800

IMPROVEMENT DATA

PHYSICAL CHARACTERISTICS

ROOFING

Built-up

WALLS

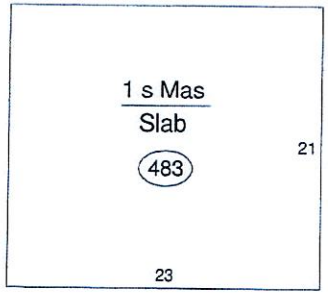
	B	1	2	U
Frame		Yes		
Brick				
Metal				
Guard				

FRAMING

	B	1	2	U
F Prf	0	483	0	0

HEATING AND AIR CONDITIONING

B	1	2	U



01 02 03 04

Item Description	Units	Cost	Total	Pct
M & S Cost Database Date: 01/2015				
Base Cost	483	204.17	98614	
Exterior Walls	483	46.14	22286	
Heating & Cooling	483	18.89	9124	
Basic Structure Cost	483	269.20	130024	
Physical	0	0.00	7801	6.00
Depreciated Cost	483	253.05	122223	
Rounded Total	0	0.00	122200	
Total Exterior Features Value				
Depreciated Ext Features				
Total Before Adjustments			122200	
Neighborhood Adjustment			61100	50.00
TOTAL VALUE			183300	

(LCM: 150.00)

SPECIAL FEATURES

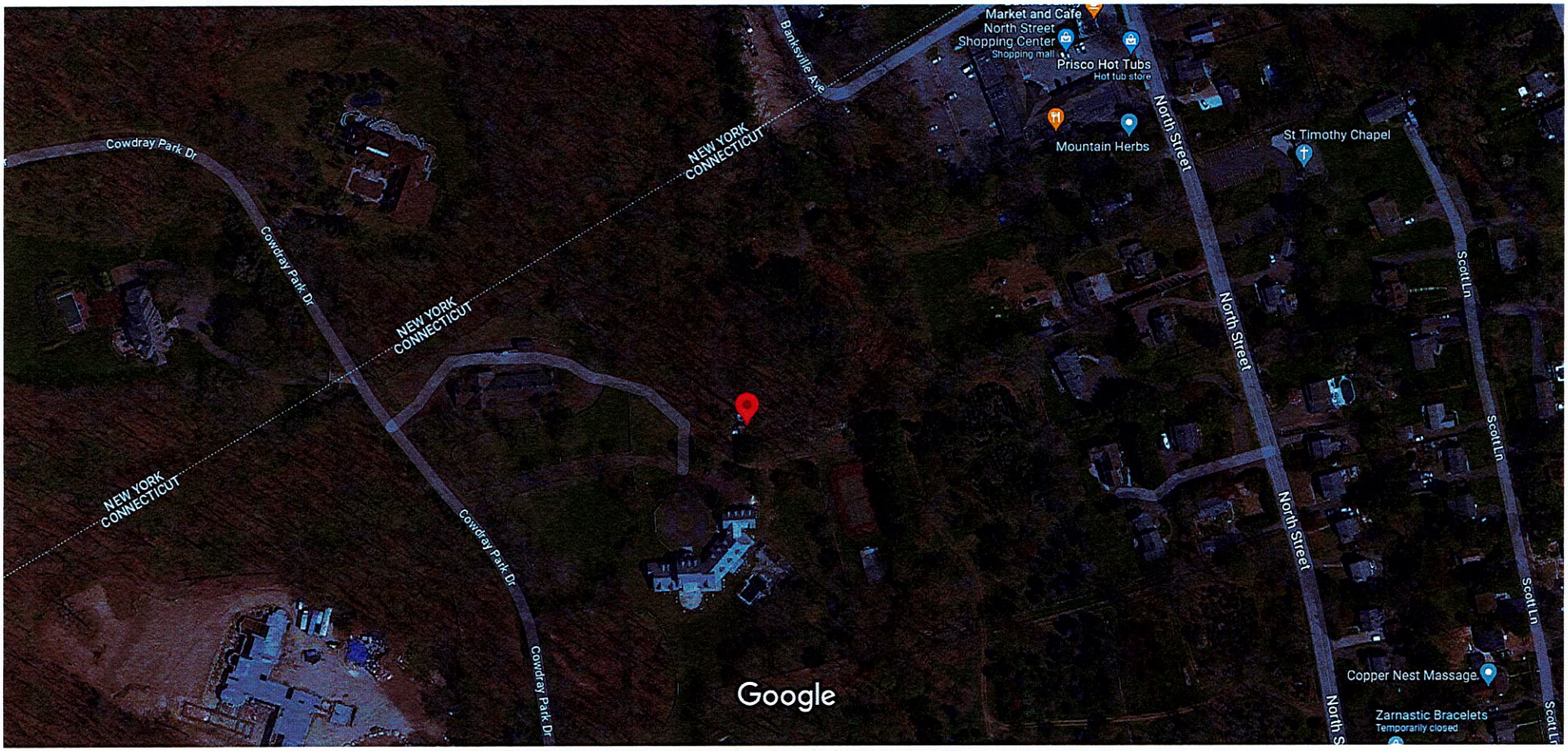
Description	Value

SUMMARY OF IMPROVEMENTS

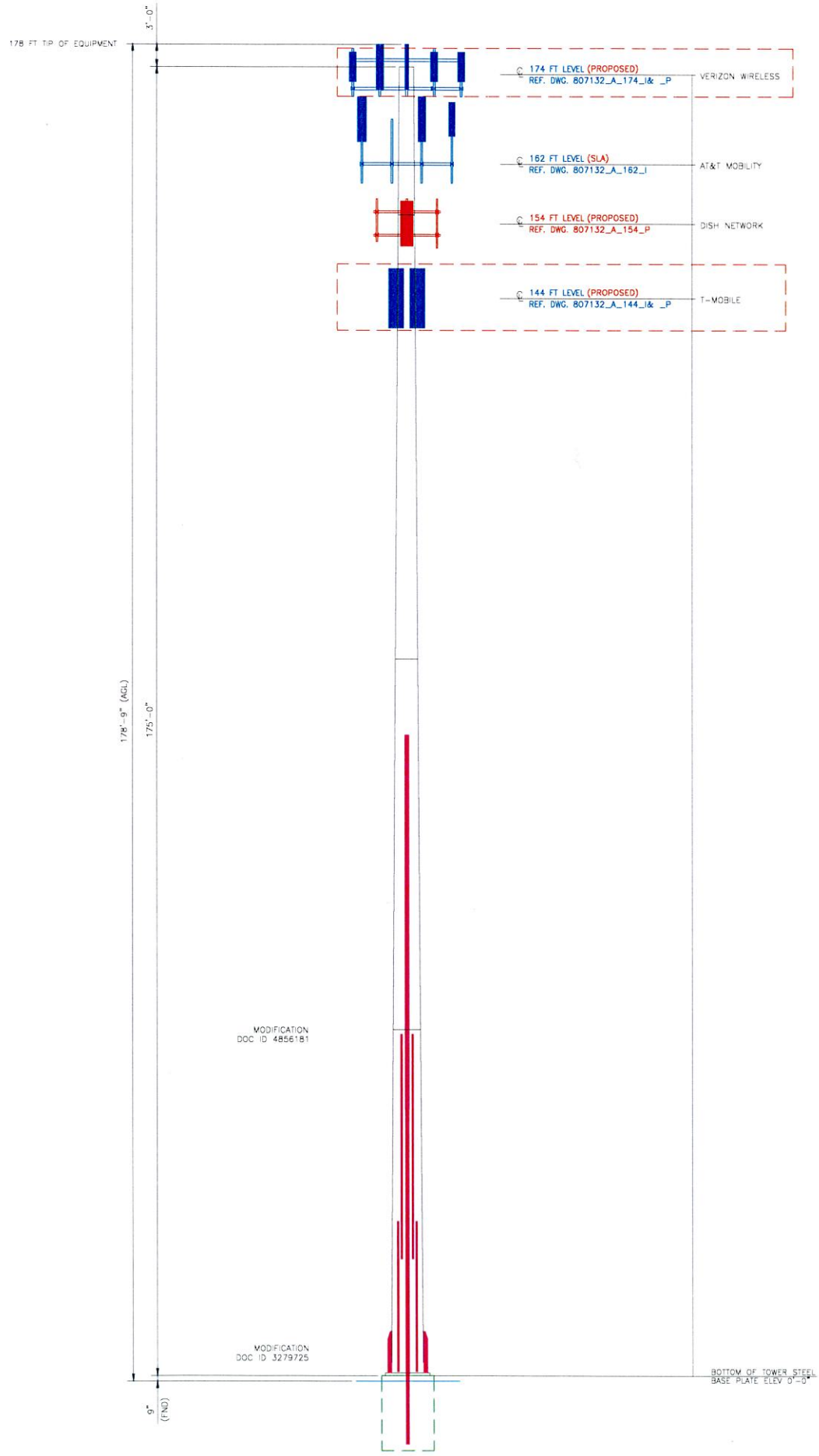
ID	Use	Stry Hgt	Const Type	Grade	Year Const	Eff Year	Cond	Base Rate	Feat-ures	Adj Rate	Size or Area	Computed Value	Phys Depr	Obsol Depr	Market Adj	% Comp	Value
C	UTLSTOR	0.00		S2	1990	2005	VG	0.00	N	0.00	483	0	0	0	150	100	183300
01	COMCNPYA	0.00	1	Avg	1990	2000	GD	27.60	N	41.40	96	3970	0	0	100	100	4000
02	PAVING	0.00	6	Avg	1990	2000	GD	6.30	N	9.45	96	910	0	0	100	100	900
03	FENCECL	10.00	51E	Avg	1990	2000	GD	25.75	N	38.63	186	7180	0	0	100	100	7200
04	TOWERMON	0.00	5PF	Good	2001	2001	GD	916.50	N	2062	175	360870	0	0	100	100	360900

Data Collector/Date	Appraiser/Date	Neighborhood	Supplemental Cards TOTAL IMPROVEMENT VALUE	
JLT 06/14/2000	TOG 10/01/2015	Neigh 2900 AV		556300

Google Maps 1081 North Street



Imagery ©2023 Airbus, CNES / Airbus, Maxar Technologies, New York GIS, USDA/FPAC/GEO, Map data ©2023 Google 50 m


178 FT TIP OF EQUIPMENT
3'-0"
℄ 174 FT LEVEL (PROPOSED)
REF. DWG. 807132_A_174_I& _P
VERIZON WIRELESS
℄ 162 FT LEVEL (SLA)
REF. DWG. 807132_A_162_I
AT&T MOBILITY
℄ 154 FT LEVEL (PROPOSED)
REF. DWG. 807132_A_154_P
DISH NETWORK
℄ 144 FT LEVEL (PROPOSED)
REF. DWG. 807132_A_144_I& _P
T-MOBILE
178'-9" (AGL)
175'-0"
MODIFICATION
DOC ID 4856181
MODIFICATION
DOC ID 3279725
BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"
9"
(FND)

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

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

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20ºC to +60ºC | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

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

ORDERING INFORMATION

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

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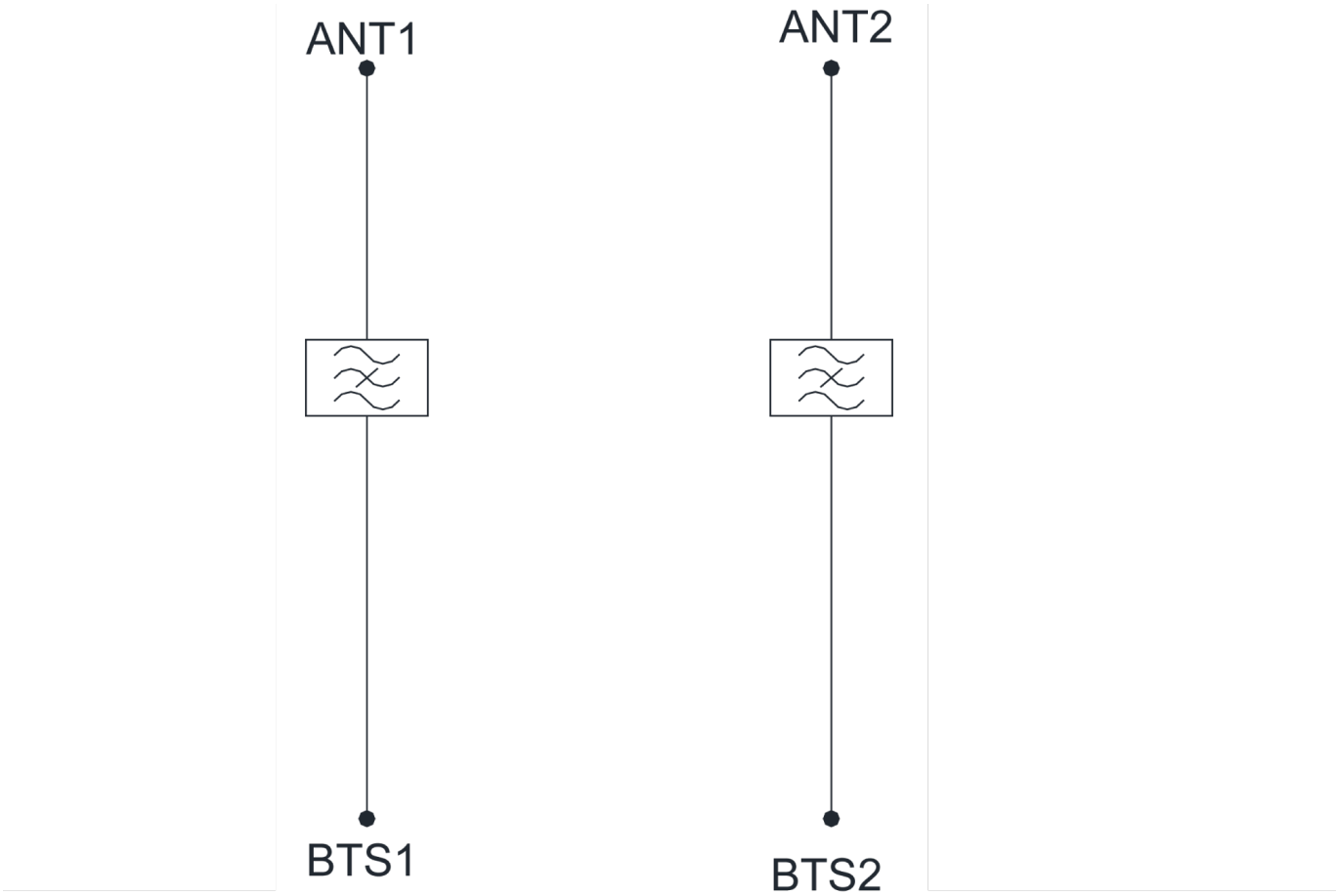
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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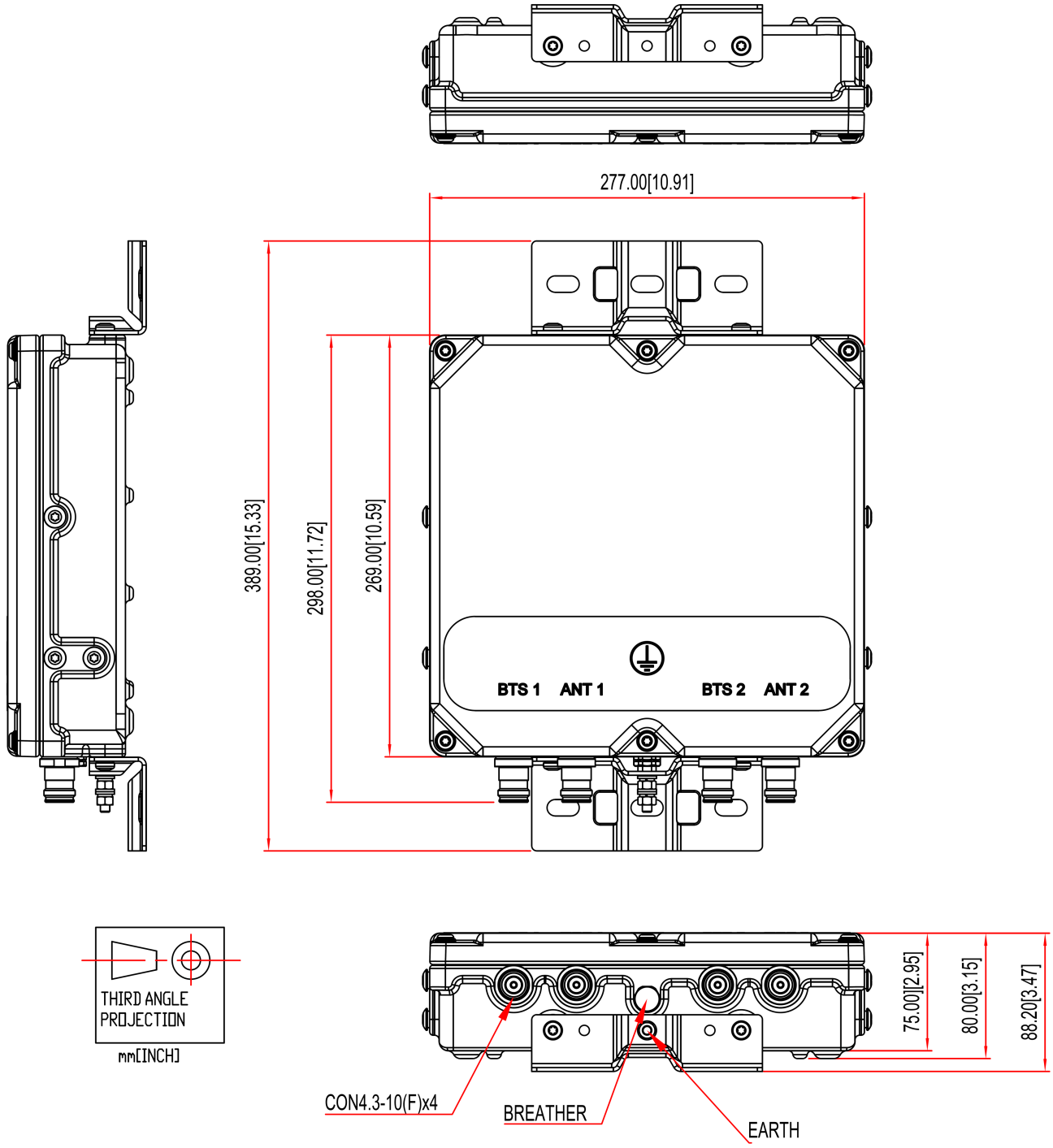
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



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

Colliers Engineering & Design CT, PC
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 #: 10206401
Colliers Engineering & Design CT, PC Project #: 23777055

July 10, 2023

Site Information	*Site ID:*	*5000381784-VZW / BANKSVILLE CT*
	Site Name:	*BANKSVILLE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1081 North Street* *Greenwich, Connecticut 06831* *Fairfield County*
	Latitude:	*41.139306°*
	Longitude:	*-73.641806°*
Structure Information	*Tower Type:*	*175-Ft Monopole*
	Mount Type:	*12.83-Ft Platform*

FUZE ID # 17123704

Analysis Results

Platform: **56.0% 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: Jared Adkins

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: 323417, dated October 27, 2022*
Mount Mapping Report	*Onsight Services LLC, Site ID: 4679814, dated April 8, 2022*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 22777017A, Dated May 5, 2023*
Final Loading Configuration	*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:	0.982
Seismic Parameters:	S_S:	0.274 g
	S_1:	0.059 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
172.75	176.00	6	JMA Wireless	MX06FRO860-03	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Unknown	Spare	
		4	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

8. It is assumed that the mount modifications listed under Sources of Information have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*36.8 %*	*Pass*
Standoff Horizontal	*16.8 %*	*Pass*
Standoff Brace	*43.8 %*	*Pass*
Standoff Tab	*37.2 %*	*Pass*
Corner Plate	*37.5 %*	*Pass*
Support Rail	*26.7 %*	*Pass*
Support Rail Plate	*5.7 %*	*Pass*
Mount Pipe	*56.0 %*	*Pass*
Kicker	*10.2 %*	*Pass*
Mod Support Rail	*39.3 %*	*Pass*
Mount Connection	*22.7 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**56.0%**

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	57.3	57.3	73.9	73.9
0.5	69.1	69.1	92.5	92.5
1	80.1	80.1	110.1	110.1

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 to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 22777017A, dated May 5, 2023.

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

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MDG #: 5000381784 SMART Project #: 10206401 Fuze Project ID: 17123704

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 to verify that all modifications and equipment are installed per previous mount modification analysis done by Maser Consulting Connecticut, Project #: 22777017A, dated May 5, 2023.

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:	

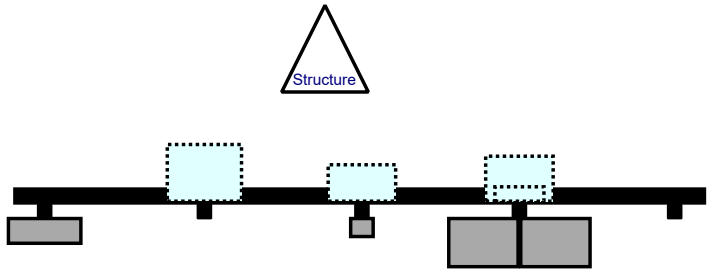
Structure: 50003 17 4-VZW - BANKSVILLE CT

Sector: **A** 7/10/2023

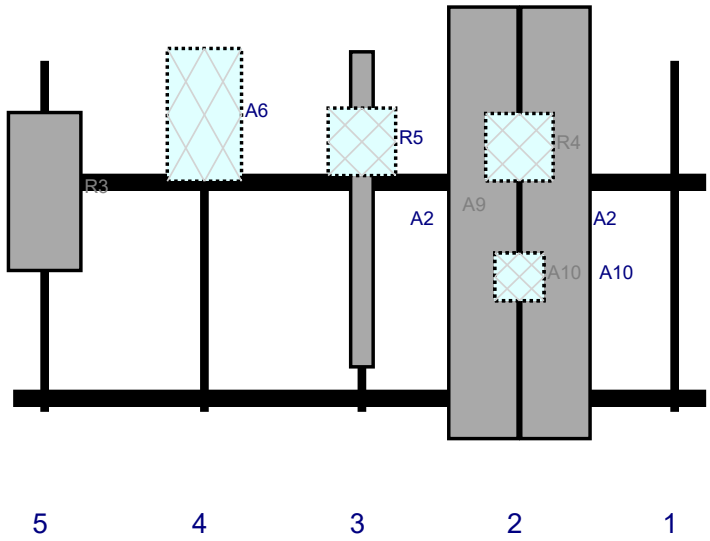
Structure Type: Monopole 10206401

Mount Elev: 172.75 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
A2	MX06FRO860-03	95.9	15.4	112.5	2	a	Front	36	-8	Retained	
A2	MX06FRO860-03	95.9	15.4	112.5	2	b	Front	36	8	Retained	
R4	RF4439d-25A	15	15	112.5	2	a	Behind	19.2	0	Retained	
A10	BSF0020F3V1-1	10.6	10.9	112.5	2	a	Behind	48	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	112.5	2	b	Behind	48	0	Added	
A9	Spare	70	5	77.5	3	a	Front	33	0	Retained	04/08/2022
R5	RF4440d-13A	15	15	77.5	3	a	Behind	18	0	Retained	
A6	DB-C1-12C-24AB-0Z	29.5	16.5	42.5	4	a	Behind	12	0	Retained	
R3	MT6407-77A	35.1	16.1	7	5	a	Front	29.04	0	Retained	

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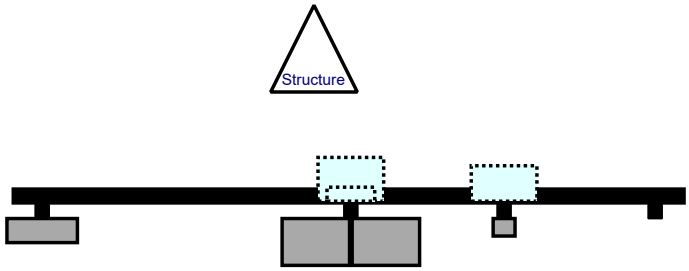
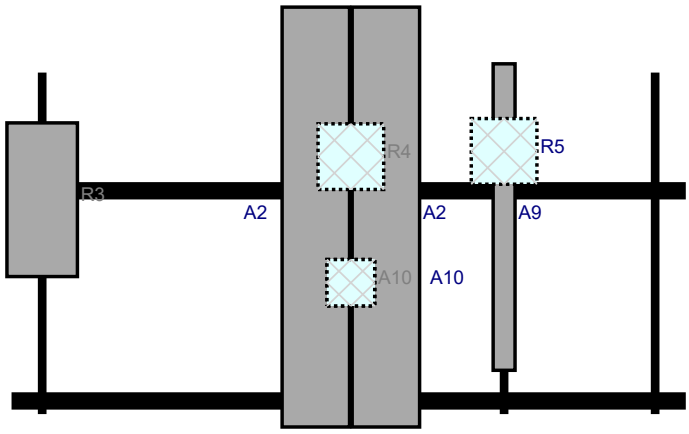
Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	Spare	70	5	112.5	2	a	Front	33	0	Retained	04/08/2022
R5	RF4440d-13A	15	15	112.5	2	a	Behind	18	0	Retained	
A2	MX06FRO860-03	95.9	15.4	77.5	3	a	Front	33	-8	Retained	
A2	MX06FRO860-03	95.9	15.4	77.5	3	b	Front	33	8	Retained	
R4	RF4439d-25A	15	15	77.5	3	a	Behind	19.2	0	Retained	
A10	BSF0020F3V1-1	10.6	10.9	77.5	3	a	Behind	48	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	77.5	3	b	Behind	48	0	Added	
R3	MT6407-77A	35.1	16.1	7	4	a	Front	29.04	0	Retained	

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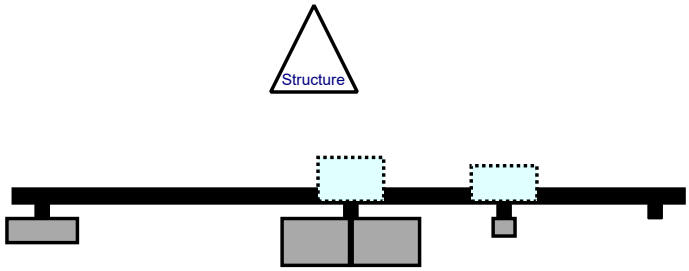
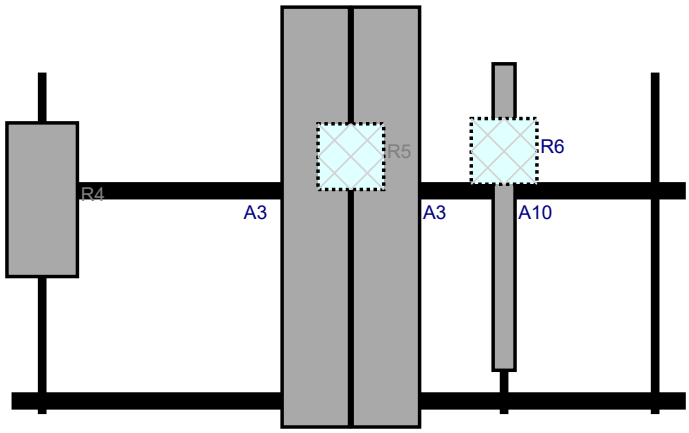
Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A10	Spare	70	5	112.5	2	a	Front	33	0	Retained	04/08/2022
R6	RF4440d-13A	15	15	112.5	2	a	Behind	18	0	Retained	
A3	MX06FRO860-03	95.9	15.4	77.5	3	a	Front	33	-8	Retained	
A3	MX06FRO860-03	95.9	15.4	77.5	3	b	Front	33	8	Retained	
R5	RF4439d-25A	15	15	77.5	3	a	Behind	19.2	0	Retained	
R4	MT6407-77A	35.1	16.1	7	4	a	Front	29.04	0	Retained	

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V4.1 Updated on 12-17-2021

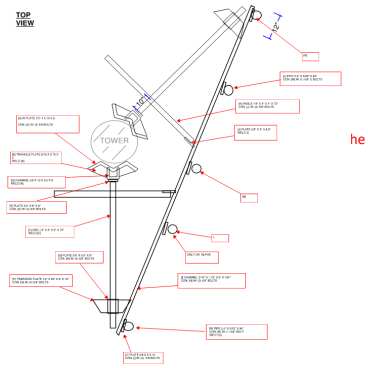
Colliers Engineering & Design

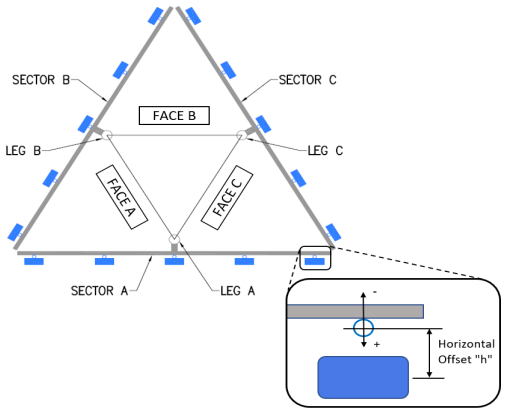
Antenna Mount Mapping Form (PATENT PENDING)

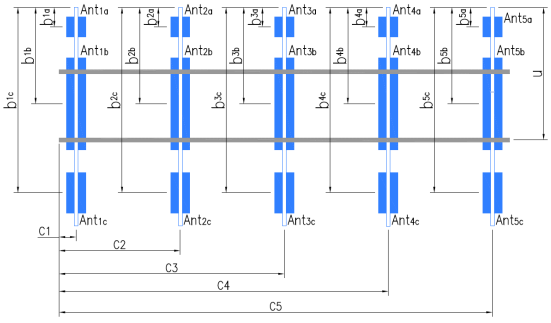
FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	BANKSVILLE CT	**Tower Type:**	MONOPOLE
Site Number or ID:	467981	**Tower Height (Ft.):**	175
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	168.5

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







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4" OD X 5/32" X 84"	68.00	8.00	C1	2.4" OD X 5/32" X 84"	68.00	8.00
A2	2.4" OD X 5/32" X 84"	78.00	42.00	C2	2.4" OD X 5/32" X 84"	78.00	42.00
A3	2.4" OD X 5/32" X 84"	68.00	77.00	C3	2.4" OD X 5/32" X 84"	68.00	77.00
A4	2.4" OD X 5/32" X 84"	78.00	112.00	C4	2.4" OD X 5/32" X 84"	68.00	146.00
A5	2.4" OD X 5/32" X 84"	68.00	146.00	C5			
A6				C6			
B1	2.4" OD X 5/32" X 84"	68.00	8.00	D1			
B2	2.4" OD X 5/32" X 84"	78.00	42.00	D2			
B3	2.4" OD X 5/32" X 84"	68.00	77.00	D3			
B4	2.4" OD X 5/32" X 84"	68.00	146.00	D4			
B5				D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	3

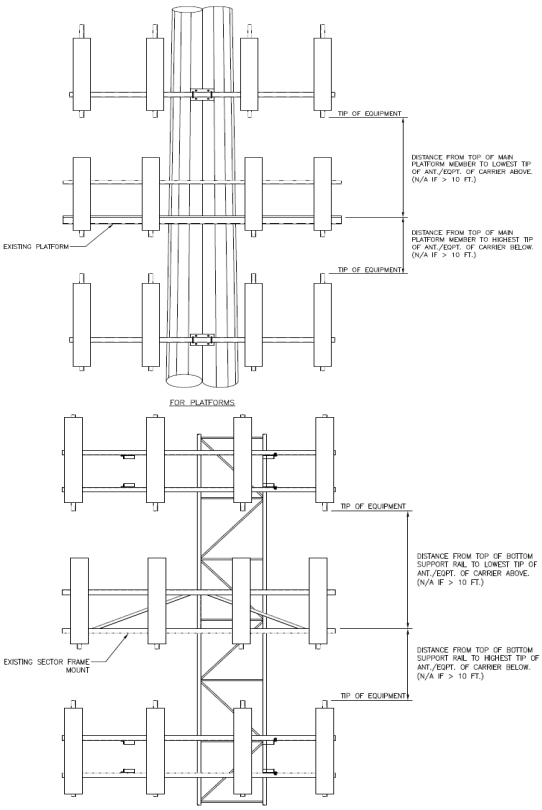
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	22.9

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	UNKNOWN	10.00	6.00	48.00		172	26.00	12.00	0.00	200
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	10.00	6.00	48.00		172	26.00	12.00	0.00	200
Ant_{2b}	ALCATEL 9442 RRH2X40 AWS					170.8	42.00	-7.00	0.00	202
Ant_{2c}										
Ant_{3a}	UNKNOWN	5.00	4.00	70.00		171	35.00	10.00	0.00	202
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	8.00	4.50	52.00		172	28.00	11.00	0.00	202
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	UNKNOWN	10.00	6.00	48.00		172	26.00	12.00	0.00	200
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	180.00	Deg	
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}	UNKNOWN	10.00	8.00	48.00		172	26.00	12.00	140.00	138
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	5.00	4.00	70.00		171	35.00	10.00	140.00	153
Ant_{2b}	ALCATEL 9442 RRH2X40 AWS					170.8	42.00	-7.00	140.00	153
Ant_{2c}										
Ant_{3a}	UNKNOWN	12.00	6.00	72.00		171	36.00	11.00	140.00	157
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	7.00	3.50	48.00		172	26.00	8.00	140.00	164
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	UNKNOWN	10.00	8.00	48.00		172	26.00	12.00	260.00	192
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	5.00	4.00	70.00		171	35.00	10.00	260.00	192
Ant_{2b}	ALCATEL 9442 RRH2X40 AWS					170.8	42.00	-7.00	260.00	195
Ant_{2c}										
Ant_{3a}	UNKNOWN	12.00	6.00	72.00		171	36.00	11.00	260.00	192
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	7.00	3.50	48.00		172	26.00	8.00	260.00	192
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	Bird nest on Mount; cannot access without nest removal	31
2		
3		
4		
5		
6		
7		
8		

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

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

SMART Tool© Vendor

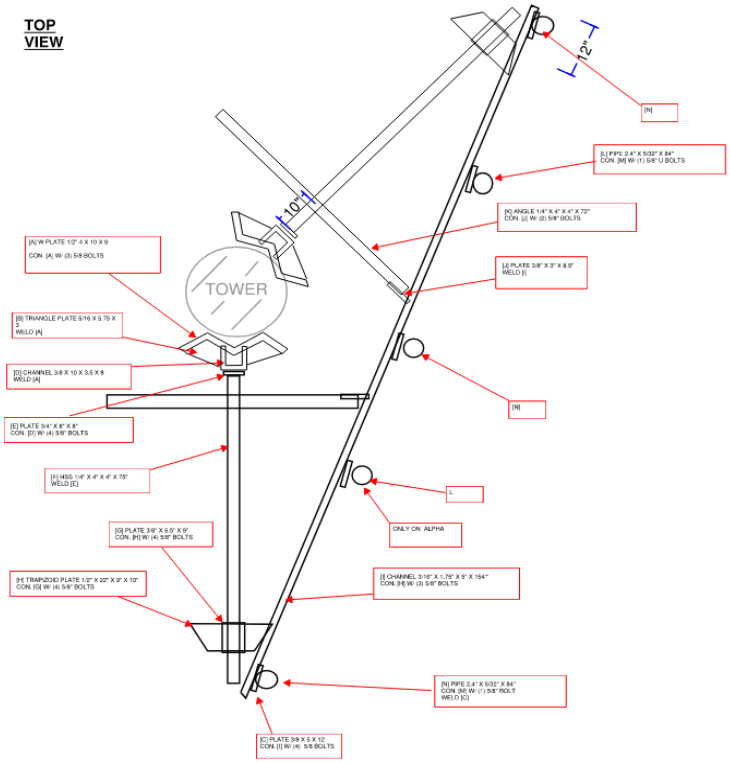
Antenna Mount Mapping Form (PATENT PENDING)

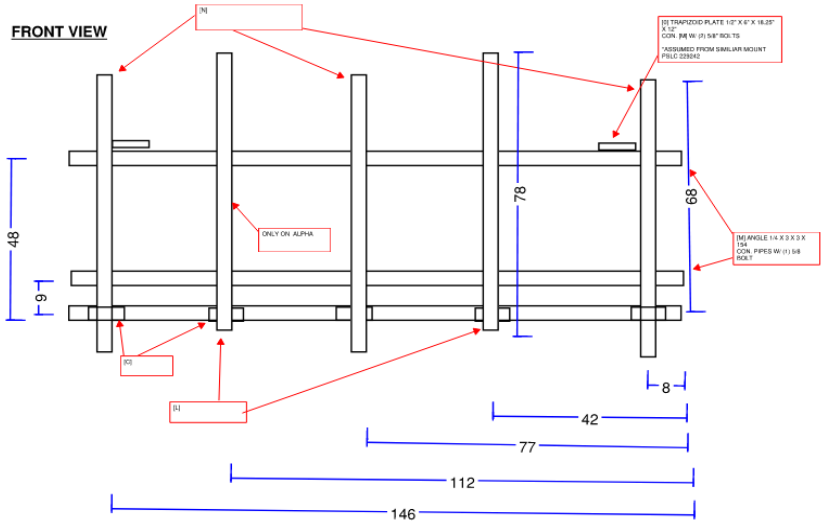
FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	BANKSVILLE CT	**Tower Type:**	MONOPOLE
Site Number or ID:	467981	**Tower Height (Ft.):**	175
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	168.5

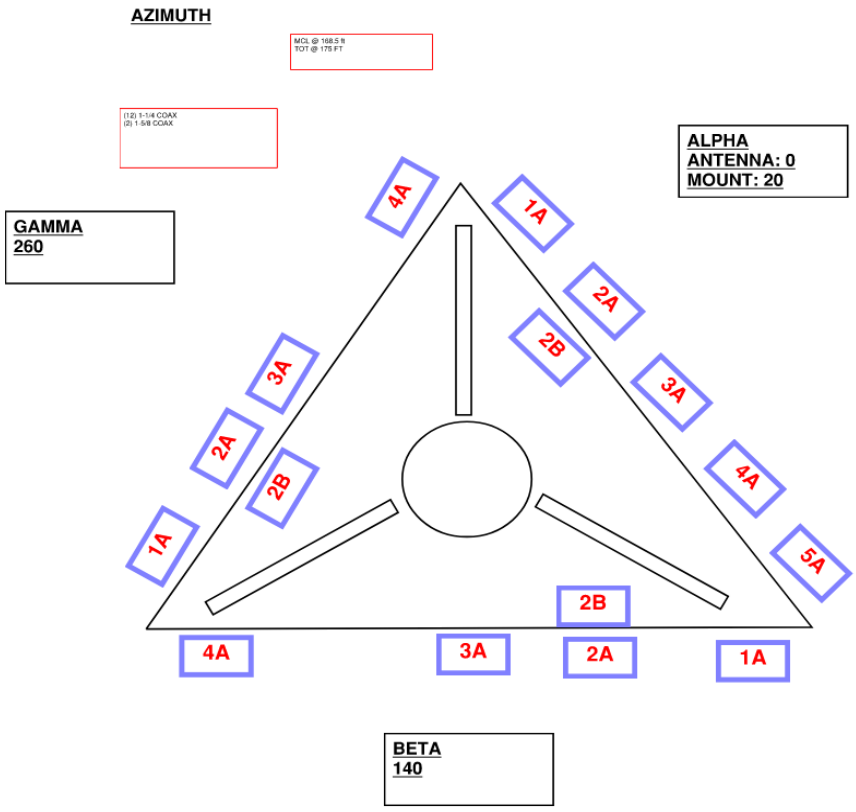
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is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

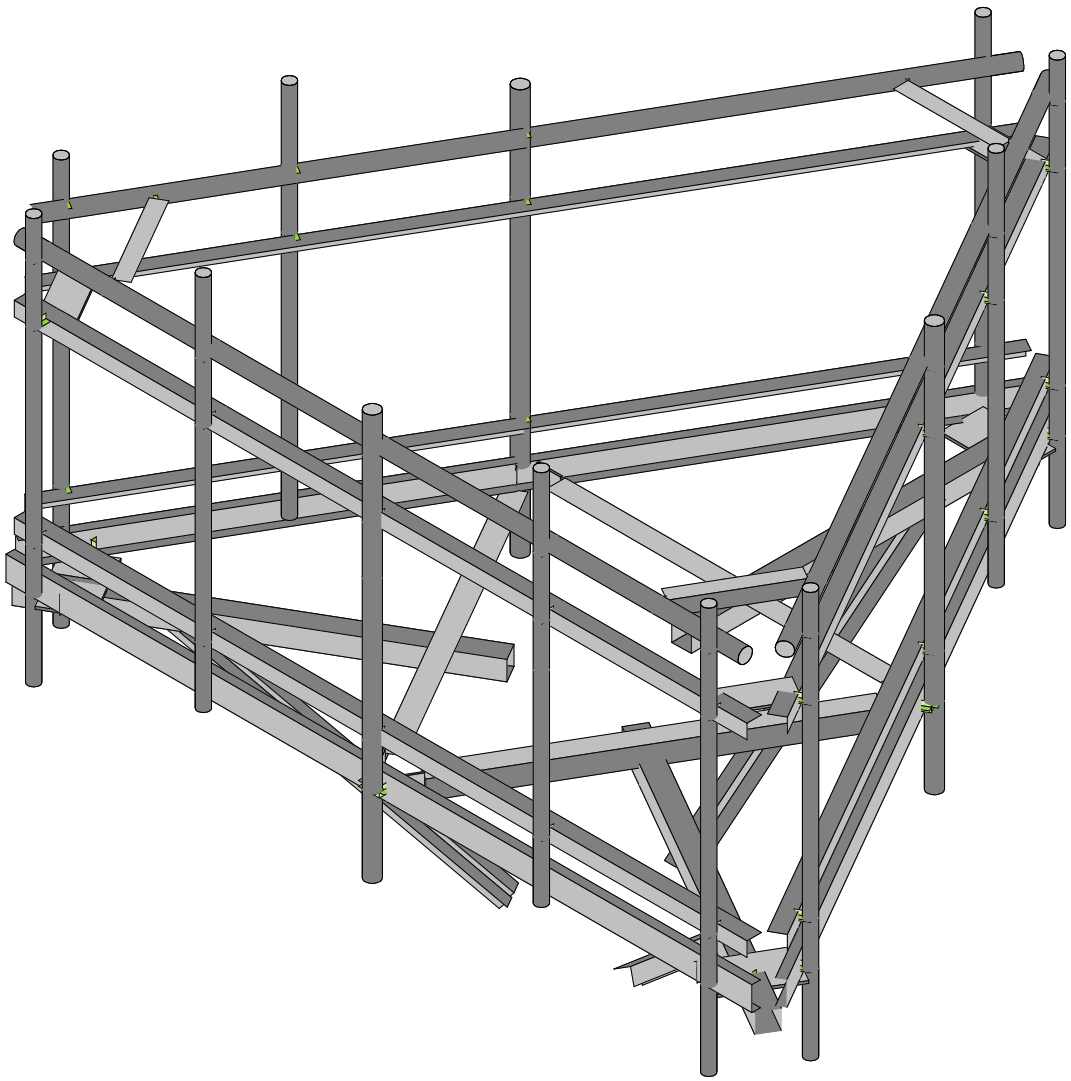
Please Insert Sketches of the Antenna Mount



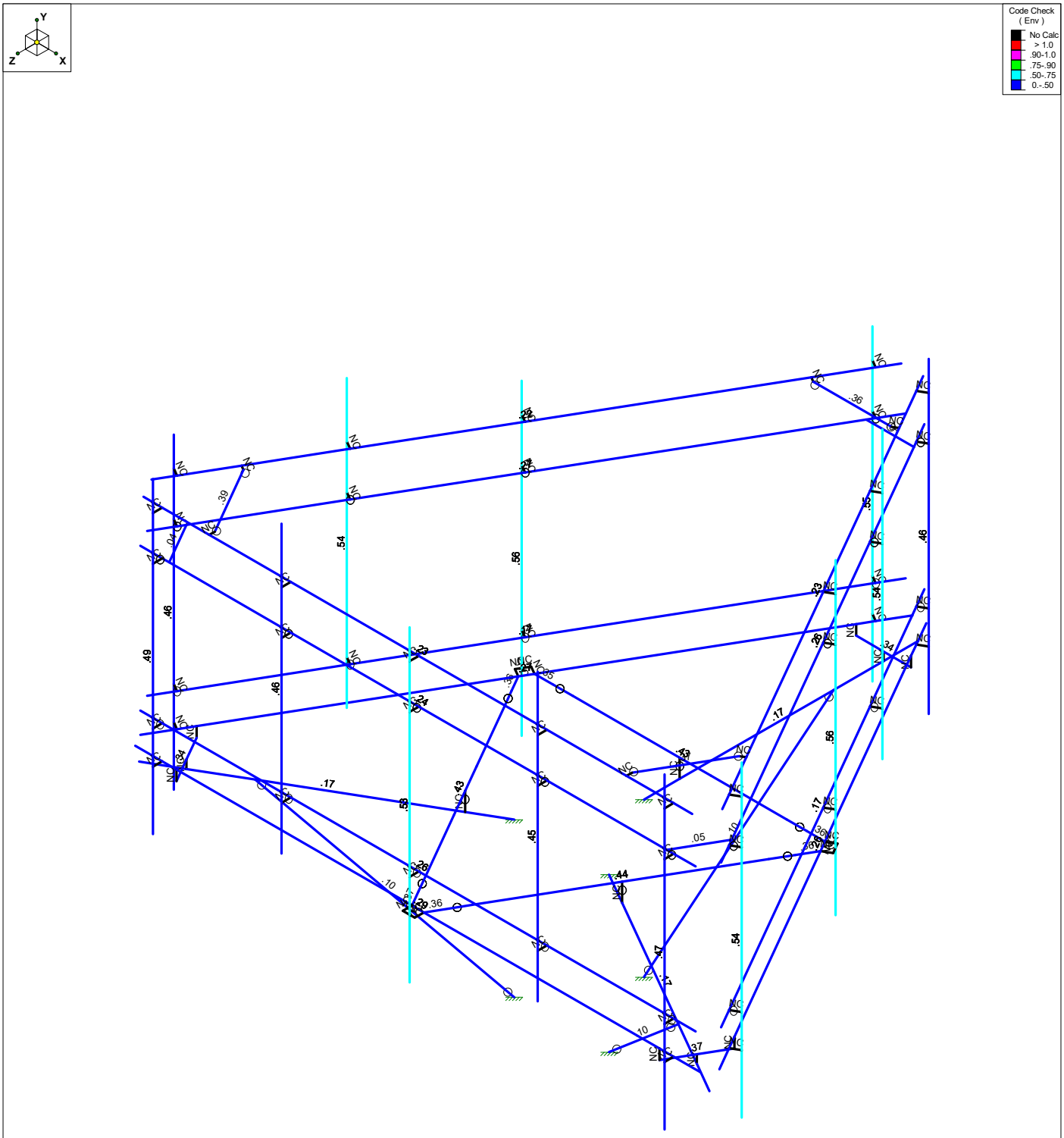


Please Insert Sketches of the Antenna Mount, cont'd



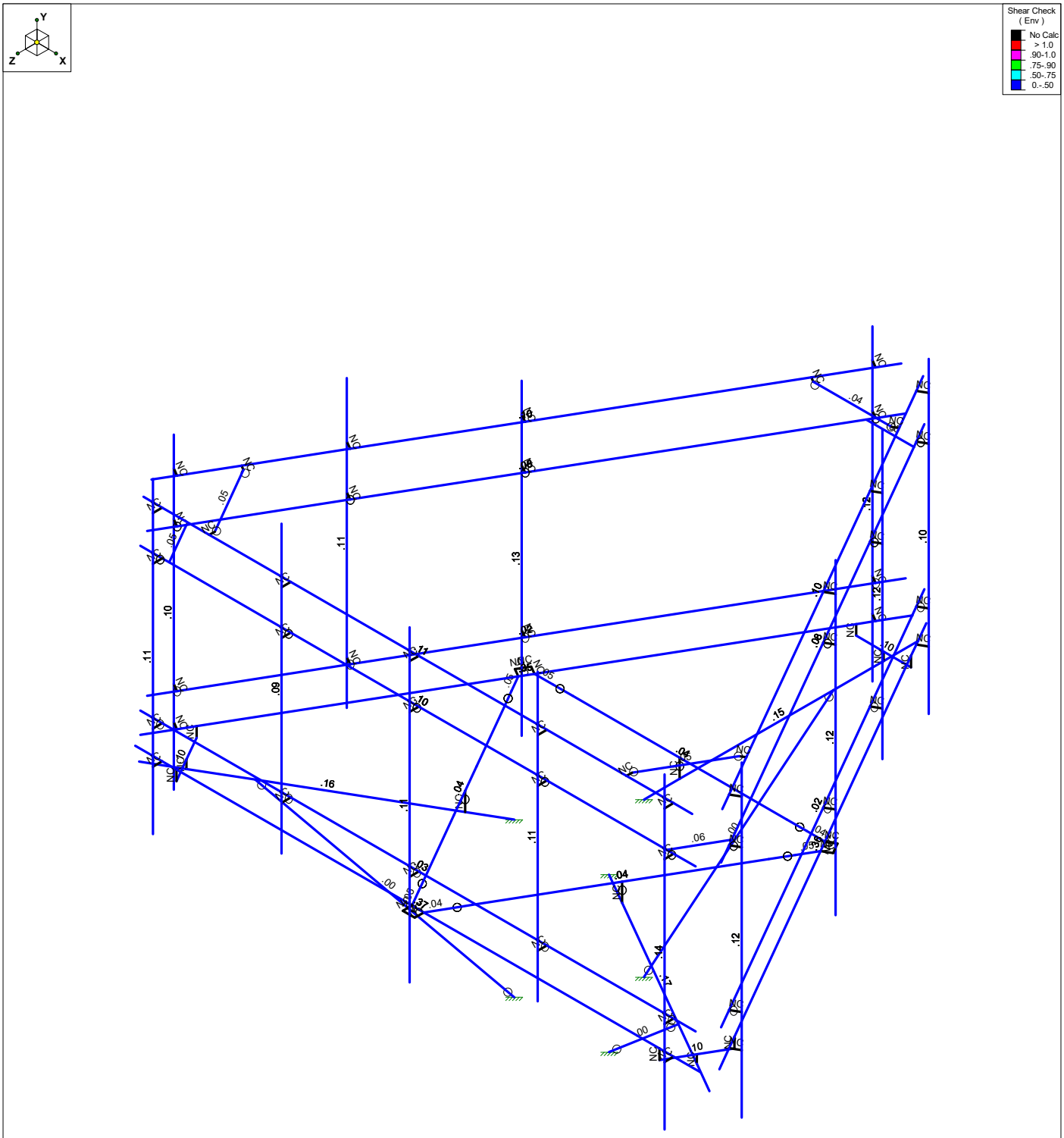


Colliers Engineering & De...	5000381784-VZW_MT_LO_H	SK - 1
		July 6, 2023 at 5:59 PM
Project No. 10206401		5000381784-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...	5000381784-VZW_MT_LO_H	SK - 2
		July 6, 2023 at 5:59 PM
Project No. 10206401		5000381784-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...	5000381784-VZW_MT_LO_H	SK - 3
		July 6, 2023 at 5:59 PM
Project No. 10206401		5000381784-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					99			
2	Antenna Di	None					99			
3	Antenna Wo (0 Deg)	None					99			
4	Antenna Wo (30 Deg)	None					99			
5	Antenna Wo (60 Deg)	None					99			
6	Antenna Wo (90 Deg)	None					99			
7	Antenna Wo (120 Deg)	None					99			
8	Antenna Wo (150 Deg)	None					99			
9	Antenna Wo (180 Deg)	None					99			
10	Antenna Wo (210 Deg)	None					99			
11	Antenna Wo (240 Deg)	None					99			
12	Antenna Wo (270 Deg)	None					99			
13	Antenna Wo (300 Deg)	None					99			
14	Antenna Wo (330 Deg)	None					99			
15	Antenna Wi (0 Deg)	None					99			
16	Antenna Wi (30 Deg)	None					99			
17	Antenna Wi (60 Deg)	None					99			
18	Antenna Wi (90 Deg)	None					99			
19	Antenna Wi (120 Deg)	None					99			
20	Antenna Wi (150 Deg)	None					99			
21	Antenna Wi (180 Deg)	None					99			
22	Antenna Wi (210 Deg)	None					99			
23	Antenna Wi (240 Deg)	None					99			
24	Antenna Wi (270 Deg)	None					99			
25	Antenna Wi (300 Deg)	None					99			
26	Antenna Wi (330 Deg)	None					99			
27	Antenna Wm (0 Deg)	None					99			
28	Antenna Wm (30 Deg)	None					99			
29	Antenna Wm (60 Deg)	None					99			
30	Antenna Wm (90 Deg)	None					99			
31	Antenna Wm (120 De...	None					99			
32	Antenna Wm (150 De...	None					99			
33	Antenna Wm (180 De...	None					99			
34	Antenna Wm (210 De...	None					99			
35	Antenna Wm (240 De...	None					99			
36	Antenna Wm (270 De...	None					99			
37	Antenna Wm (300 De...	None					99			
38	Antenna Wm (330 De...	None					99			
39	Structure D	None		-1					3	
40	Structure Di	None						49	3	
41	Structure Wo (0 Deg)	None						98		
42	Structure Wo (30 Deg)	None						98		
43	Structure Wo (60 Deg)	None						98		
44	Structure Wo (90 Deg)	None						98		
45	Structure Wo (120 D...	None						98		
46	Structure Wo (150 D...	None						98		
47	Structure Wo (180 D...	None						98		
48	Structure Wo (210 D...	None						98		
49	Structure Wo (240 D...	None						98		
50	Structure Wo (270 D...	None						98		
51	Structure Wo (300 D...	None						98		
52	Structure Wo (330 D...	None						98		
53	Structure Wi (0 Deg)	None						98		
54	Structure Wi (30 Deg)	None						98		
55	Structure Wi (60 Deg)	None						98		
56	Structure Wi (90 Deg)	None						98		
57	Structure Wi (120 De...	None						98		
58	Structure Wi (150 De...	None						98		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						98		
60	Structure Wi (210 De...	None						98		
61	Structure Wi (240 De...	None						98		
62	Structure Wi (270 De...	None						98		
63	Structure Wi (300 De...	None						98		
64	Structure Wi (330 De...	None						98		
65	Structure Wm (0 Deg)	None						98		
66	Structure Wm (30 De...	None						98		
67	Structure Wm (60 De...	None						98		
68	Structure Wm (90 De...	None						98		
69	Structure Wm (120 D...	None						98		
70	Structure Wm (150 D...	None						98		
71	Structure Wm (180 D...	None						98		
72	Structure Wm (210 D...	None						98		
73	Structure Wm (240 D...	None						98		
74	Structure Wm (270 D...	None						98		
75	Structure Wm (300 D...	None						98		
76	Structure Wm (330 D...	None						98		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					99			
82	Antenna Eh (0 Deg)	None					66			
83	Antenna Eh (90 Deg)	None					66			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-.03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						51		
88	BLC 40 Transient Are...	None						51		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						51		
91	BLC 86 Transient Are...	None						51		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N141A	6.4375	0	3.897114	0	
2	N142A	-6.4375	0	3.897114	0	
3	N146	6.59375	0	3.626481	0	
4	N147	0.15625	0	-7.523596	0	
5	N151	-6.59375	0	3.626481	0	
6	N152A	-0.15625	0	-7.523596	0	
7	N152B	0.	0	-0.	0	
8	N153A	-0.	-0.416667	-1.25	0	
9	N154A	-0.	-0.416667	-7.5	0	
10	N155	0.135417	0	3.897114	0	
11	N156	-0.135416	0	3.897114	0	
12	N158	3.307292	0	-2.065832	0	
13	N159	3.442708	0	-1.831284	0	
14	N161	-3.442708	0	-1.831282	0	
15	N162	-3.307292	0	-2.065831	0	
16	N161B	-2.890625	0	-2.065831	0	
17	N162A	2.890625	0	-2.065832	0	
18	N163	-0.	0	-2.065831	0	
19	N164	-0.	-0.416667	-2.065831	0	
20	N168	0.625463	0	-6.710895	0	
21	N169	-0.625462	0	-6.710895	0	
22	N168A	-0.	-0.229167	-6.710895	0	
23	N169A	0.625463	-0.229167	-6.710895	0	
24	N170	-0.625462	-0.229167	-6.710895	0	
25	N170A	-0.	-0.416667	-6.710895	0	
26	N171	-1.082532	-0.416667	0.625	0	
27	N172	-6.495191	-0.416667	3.75	0	
28	N175	-0.34375	0	3.53627	0	
29	N176	-3.234375	0	-1.470439	0	
30	N177	-1.789062	0	1.032916	0	
31	N178	-1.789062	-0.416667	1.032916	0	
32	N179	-6.124537	0	2.813781	0	
33	N180	-5.499075	0	3.897114	0	
34	N181	-5.811806	-0.229167	3.355448	0	
35	N182	-6.124538	-0.229167	2.813781	0	
36	N183	-5.499075	-0.229167	3.897114	0	
37	N184	-5.811806	-0.416667	3.355448	0	
38	N185	1.082532	-0.416667	0.625	0	
39	N186	6.495191	-0.416667	3.75	0	
40	N189	3.234375	0	-1.470439	0	
41	N190	0.34375	0	3.53627	0	
42	N191	1.789062	0	1.032916	0	
43	N192	1.789062	-0.416667	1.032916	0	
44	N193	5.499074	0	3.897114	0	
45	N194	6.124538	0	2.813781	0	
46	N195	5.811806	-0.229167	3.355448	0	
47	N196	5.499074	-0.229167	3.897115	0	
48	N197	6.124537	-0.229167	2.813781	0	
49	N198	5.811806	-0.416667	3.355448	0	
50	N198A	6.324167	4	3.897114	0	
51	N199	-6.324166	4	3.897114	0	
52	N203	0.212916	4	-7.425446	0	
53	N204	6.537083	4	3.528332	0	
54	N208	-6.537083	4	3.528332	0	
55	N209	-0.212917	4	-7.425446	0	
56	N210	0.541747	4	-6.855896	0	
57	N211	-0.541747	4	-6.855896	0	
58	N209A	-6.208253	4	2.958781	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N210A	-5.666506	4	3.897114	0	
60	N211A	5.666506	4	3.897114	0	
61	N212	6.208253	4	2.958781	0	
62	N213	-5.824166	4	3.897114	0	
63	N214	5.824167	4	3.897114	0	
64	N215	2.9375	4	3.897114	0	
65	N216	0.020834	4	3.897114	0	
66	N214A	-5.824166	0	3.897114	0	
67	N215A	5.824167	0	3.897114	0	
68	N218	-5.824166	4	4.105448	0	
69	N219A	5.824167	4	4.105448	0	
70	N220A	2.9375	4	4.105448	0	
71	N221A	0.020834	4	4.105448	0	
72	N222	-5.824166	0	4.105448	0	
73	N223A	5.824167	0	4.105448	0	
74	N225A	0.020834	0	4.105448	0	
75	N226A	-5.824166	5.666667	4.105448	0	
76	N227A	5.824167	5.666667	4.105448	0	
77	N228A	2.9375	6.25	4.105448	0	
78	N229	0.020834	5.666667	4.105448	0	
79	N230	-5.824166	-1.333333	4.105448	0	
80	N231	5.824167	-1.333333	4.105448	0	
81	N232	2.9375	-.25	4.105448	0	
82	N233	0.020834	-1.333333	4.105448	0	
83	N234	6.287083	4	3.095319	0	
84	N235	0.462916	4	-6.992434	0	
85	N236	1.90625	4	-4.492507	0	
86	N237	3.364583	4	-1.9666	0	
87	N238	6.287083	0	3.095319	0	
88	N239	0.462917	0	-6.992434	0	
89	N242	6.467505	4	2.991152	0	
90	N243	0.643338	4	-7.0966	0	
91	N244	2.086672	4	-4.596674	0	
92	N245	3.545005	4	-2.070766	0	
93	N246	6.467505	0	2.991152	0	
94	N247	0.643338	0	-7.0966	0	
95	N249	3.545005	0	-2.070766	0	
96	N250	6.467505	5.666667	2.991152	0	
97	N251	0.643338	5.666667	-7.0966	0	
98	N252	2.086672	6.25	-4.596674	0	
99	N253	3.545005	5.666667	-2.070766	0	
100	N254	6.467505	-1.333333	2.991152	0	
101	N255	0.643338	-1.333333	-7.0966	0	
102	N256	2.086672	-.25	-4.596674	0	
103	N257	3.545005	-1.333333	-2.070766	0	
104	N258	-0.462917	4	-6.992433	0	
105	N259	-6.287083	4	3.09532	0	
106	N260	-4.84375	4	0.595393	0	
107	N261	-3.385417	4	-1.930515	0	
108	N262	-0.462917	0	-6.992433	0	
109	N263	-6.287083	0	3.09532	0	
110	N266	-0.643339	4	-7.0966	0	
111	N267	-6.467505	4	2.991153	0	
112	N268	-5.024172	4	0.491226	0	
113	N269	-3.565839	4	-2.034681	0	
114	N270	-0.643339	0	-7.0966	0	
115	N271	-6.467505	0	2.991153	0	
116	N273	-3.565839	0	-2.034681	0	
117	N274	-0.643339	5.666667	-7.0966	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N275	-6.467505	5.666667	2.991153	0	
119	N276	-5.024172	6.25	0.491226	0	
120	N277	-3.565839	5.666667	-2.034681	0	
121	N278	-0.643339	-1.333333	-7.0966	0	
122	N279	-6.467505	-1.333333	2.991153	0	
123	N280	-5.024172	-.25	0.491226	0	
124	N281	-3.565839	-1.333333	-2.034681	0	
125	N140	-1.434455	0	1.647114	0	
126	N141	-0.568429	0	3.147114	0	
127	N142	1.434455	0	1.647114	0	
128	N143	0.56843	0	3.147114	0	
129	N138	2.14367	0	0.418717	0	
130	N139	3.009695	0	-1.081283	0	
131	N140A	0.709215	0	-2.065831	0	
132	N141B	2.441266	0	-2.065832	0	
133	N142B	-0.709215	0	-2.065831	0	
134	N143A	-2.441266	0	-2.065831	0	
135	N144	-2.14367	0	0.418717	0	
136	N145	-3.009696	0	-1.081283	0	
137	N146A	6.324167	.75	3.897114	0	
138	N147A	-6.324166	.75	3.897114	0	
139	N148	0.212916	.75	-7.425446	0	
140	N149	6.537083	.75	3.528332	0	
141	N150	-6.537083	.75	3.528332	0	
142	N151A	-0.212917	.75	-7.425446	0	
143	N152	-2.895833	4	3.897114	0	
144	N154	-2.895833	4	4.105448	0	
145	N156A	-2.895833	6.25	4.105448	0	
146	N157	-2.895833	-.25	4.105448	0	
147	N158A	0.020834	3.166667	4.105448	0	
148	N159A	2.9375	3.25	4.105448	0	
149	N160	-5.824166	.75	3.897114	0	
150	N161A	5.824167	.75	3.897114	0	
151	N162B	2.9375	.75	3.897114	0	
152	N163A	0.020834	.75	3.897114	0	
153	N164A	-5.824166	.75	4.105448	0	
154	N165	5.824167	.75	4.105448	0	
155	N166	2.9375	.75	4.105448	0	
156	N167	0.020834	.75	4.105448	0	
157	N168B	6.287083	.75	3.095319	0	
158	N169B	0.462916	.75	-6.992434	0	
159	N170B	1.90625	.75	-4.492507	0	
160	N171A	3.364583	.75	-1.9666	0	
161	N172A	6.467505	.75	2.991152	0	
162	N173	0.643338	.75	-7.0966	0	
163	N174	2.086672	.75	-4.596674	0	
164	N175A	3.545005	.75	-2.070766	0	
165	N176A	-0.462917	.75	-6.992433	0	
166	N177A	-6.287083	.75	3.09532	0	
167	N178A	-4.84375	.75	0.595393	0	
168	N179A	-3.385417	.75	-1.930515	0	
169	N180A	-0.643339	.75	-7.0966	0	
170	N181A	-6.467505	.75	2.991153	0	
171	N182A	-5.024172	.75	0.491226	0	
172	N183A	-3.565839	.75	-2.034681	0	
173	N184A	-2.895833	.75	3.897114	0	
174	N185A	-2.895833	.75	4.105448	0	
175	N186A	-0.135416	0	4.105448	0	
176	N187	0.135417	0	4.105448	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N190A	3.62313	0	-1.93545	0	
178	N191A	3.487713	0	-2.169998	0	
179	N195A	-3.487714	0	-2.169998	0	
180	N196A	-3.62313	0	-1.935449	0	
181	N181B	-0.	-3.916667	-1.25	0	
182	N182B	-0.	-0.416667	-5.565831	0	
183	N183B	-1.082532	-3.916667	0.625	0	
184	N184B	-4.820151	-0.416667	2.782916	0	
185	N185B	1.082532	-3.916667	0.625	0	
186	N186B	4.820151	-0.416667	2.782916	0	
187	N187A	6.25	5	3.897114	0	
188	N188	-6.25	5	3.897114	0	
189	N189A	-5.824166	5	3.897114	0	
190	N190B	5.824167	5	3.897114	0	
191	N191B	2.9375	5	3.897114	0	
192	N192A	0.020834	5	3.897114	0	
193	N193A	-5.824166	5	4.105448	0	
194	N194A	5.824167	5	4.105448	0	
195	N195B	2.9375	5	4.105448	0	
196	N196B	0.020834	5	4.105448	0	
197	N197A	-2.895833	5	3.897114	0	
198	N198B	-2.895833	5	4.105448	0	
199	N199A	-4.75	5	3.897114	0	
200	N200	-4.75	5	3.772114	0	
201	N201	4.75	5	3.897114	0	
202	N202	4.75	5	3.772114	0	
203	N203A	0.25	5	-7.361216	0	
204	N204A	6.5	5	3.464101	0	
205	N205	6.287083	5	3.095319	0	
206	N206	0.462916	5	-6.992434	0	
207	N207	1.90625	5	-4.492507	0	
208	N208A	3.364583	5	-1.9666	0	
209	N209B	6.467505	5	2.991152	0	
210	N210B	0.643338	5	-7.0966	0	
211	N211B	2.086672	5	-4.596674	0	
212	N212A	3.545005	5	-2.070766	0	
213	N215B	5.75	5	2.165063	0	
214	N216A	5.641747	5	2.227563	0	
215	N217	1.	5	-6.062177	0	
216	N218A	0.891747	5	-5.999677	0	
217	N219	-6.5	5	3.464102	0	
218	N220	-0.25	5	-7.361216	0	
219	N221	-0.462917	5	-6.992433	0	
220	N222A	-6.287083	5	3.09532	0	
221	N223	-4.84375	5	0.595393	0	
222	N224	-3.385417	5	-1.930515	0	
223	N225	-0.643339	5	-7.0966	0	
224	N226	-6.467505	5	2.991153	0	
225	N227	-5.024172	5	0.491226	0	
226	N228	-3.565839	5	-2.034681	0	
227	N231A	-1.	5	-6.062177	0	
228	N232A	-0.891747	5	-5.999677	0	
229	N233A	-5.75	5	2.165063	0	
230	N234A	-5.641747	5	2.227563	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Support Rail	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Support Rail...	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Standoff Tab	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
5	Corner Plate	PL1/2X9	Beam	RECT	A36 Gr.36	Typical	4.5	.094	30.375	.362
6	Standoff Hor...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R...	Typical	3.37	7.8	7.8	12.8
7	Standoff Bra...	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
8	Face Horizo...	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
9	Mod Kicker	LL3x3x3x3	Column	Double Angl...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
10	Mod Support...	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Mod Support...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
12	Mod Replac...	PIPE_2.5	Column	Wide Flange	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M73	N142A	N141A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
2	M74	N147	N146			Face Horizontal	Beam	Channel	A36 Gr.36	Typical
3	M75	N152A	N151		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
4	M76	N153A	N154A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
5	M77	N161B	N162A		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
6	M78	N162	N161B			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
7	M79	N162A	N158			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
8	M80	N164	N163			RIGID	None	None	RIGID	Typical
9	M81	N170	N169			RIGID	None	None	RIGID	Typical
10	M82	N169A	N168			RIGID	None	None	RIGID	Typical
11	M83	N170A	N168A			RIGID	None	None	RIGID	Typical
12	M84	N170	N169A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
13	M85	N171	N172			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
14	M86	N175	N176		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
15	M87	N156	N175			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
16	M88	N176	N161			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
17	M89	N178	N177			RIGID	None	None	RIGID	Typical
18	M90	N183	N180			RIGID	None	None	RIGID	Typical
19	M91	N182	N179			RIGID	None	None	RIGID	Typical
20	M92	N184	N181			RIGID	None	None	RIGID	Typical
21	M93	N183	N182		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
22	M94	N185	N186			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
23	M95	N189	N190		90	Standoff Brace	Beam	Single Angle	A36 Gr.36	Typical
24	M96	N159	N189			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
25	M97	N190	N155			Standoff Tab	Beam	RECT	A36 Gr.36	Typical
26	M98	N192	N191			RIGID	None	None	RIGID	Typical
27	M99	N197	N194			RIGID	None	None	RIGID	Typical
28	M100	N196	N193			RIGID	None	None	RIGID	Typical
29	M101	N198	N195			RIGID	None	None	RIGID	Typical
30	M102	N197	N196		90	Corner Plate	Beam	RECT	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
31	M103	N199	N198A		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
32	M104	N204	N203		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
33	M105	N209	N208		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
34	M106	N211	N210		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
35	M107	N210A	N209A		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
36	M108	N212	N211A		90	Support Rail P...	Beam	RECT	A36 Gr.36	Typical
37	M109	N213	N218			RIGID	None	None	RIGID	Typical
38	M110	N216	N221A			RIGID	None	None	RIGID	Typical
39	M111	N215	N220A			RIGID	None	None	RIGID	Typical
40	M112	N214	N219A			RIGID	None	None	RIGID	Typical
41	M113	N215A	N223A			RIGID	None	None	RIGID	Typical
42	LIVE 1	N214A	N222			RIGID	None	None	RIGID	Typical
43	MP5A	N226A	N230			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
44	MP3A	N229	N233			Mod Replace...	Column	Wide Flange	A53 Gr.B	Typical
45	MP2A	N228A	N232			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
46	MP1A	N227A	N231			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
47	M121	N234	N242			RIGID	None	None	RIGID	Typical
48	M122	N237	N245			RIGID	None	None	RIGID	Typical
49	M123	N236	N244			RIGID	None	None	RIGID	Typical
50	M124	N235	N243			RIGID	None	None	RIGID	Typical
51	M125	N239	N247			RIGID	None	None	RIGID	Typical
52	M128	N238	N246			RIGID	None	None	RIGID	Typical
53	MP4C	N250	N254			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	MP3C	N253	N257			Mod Replace...	Column	Wide Flange	A53 Gr.B	Typical
55	MP2C	N252	N256			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP1C	N251	N255			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	M133	N258	N266			RIGID	None	None	RIGID	Typical
58	M134	N261	N269			RIGID	None	None	RIGID	Typical
59	M135A	N260	N268			RIGID	None	None	RIGID	Typical
60	M136A	N259	N267			RIGID	None	None	RIGID	Typical
61	M137A	N263	N271			RIGID	None	None	RIGID	Typical
62	M140A	N262	N270			RIGID	None	None	RIGID	Typical
63	MP4B	N274	N278			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
64	MP3B	N277	N281			Mod Replace...	Column	Wide Flange	A53 Gr.B	Typical
65	MP2B	N276	N280			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
66	MP1B	N275	N279			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	M73A	N147A	N146A		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
68	M74A	N149	N148		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
69	M75A	N151A	N150		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
70	M76A	N152	N154			RIGID	None	None	RIGID	Typical
71	MP4A	N156A	N157			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
72	M79A	N160	N164A			RIGID	None	None	RIGID	Typical
73	M80A	N163A	N167			RIGID	None	None	RIGID	Typical
74	M81A	N162B	N166			RIGID	None	None	RIGID	Typical
75	M82A	N161A	N165			RIGID	None	None	RIGID	Typical
76	M83A	N168B	N172A			RIGID	None	None	RIGID	Typical
77	M84A	N171A	N175A			RIGID	None	None	RIGID	Typical
78	M85A	N170B	N174			RIGID	None	None	RIGID	Typical
79	M86A	N169B	N173			RIGID	None	None	RIGID	Typical
80	M87A	N176A	N180A			RIGID	None	None	RIGID	Typical
81	M88A	N179A	N183A			RIGID	None	None	RIGID	Typical
82	M89A	N178A	N182A			RIGID	None	None	RIGID	Typical
83	M90A	N177A	N181A			RIGID	None	None	RIGID	Typical
84	M91A	N184A	N185A			RIGID	None	None	RIGID	Typical
85	M92A	N156	N186A			RIGID	None	None	RIGID	Typical
86	M93A	N155	N187			RIGID	None	None	RIGID	Typical
87	M94A	N187	N225A			RIGID	None	None	RIGID	Typical
88	M95A	N186A	N225A			RIGID	None	None	RIGID	Typical
89	M95B	N159	N190A			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
90	M96A	N158	N191A			RIGID	None	None	RIGID	Typical
91	M97A	N191A	N249			RIGID	None	None	RIGID	Typical
92	M98A	N190A	N249			RIGID	None	None	RIGID	Typical
93	M99A	N162	N195A			RIGID	None	None	RIGID	Typical
94	M100A	N161	N196A			RIGID	None	None	RIGID	Typical
95	M101A	N196A	N273			RIGID	None	None	RIGID	Typical
96	M102A	N195A	N273			RIGID	None	None	RIGID	Typical
97	M97B	N182B	N181B			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
98	M98B	N184B	N183B			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
99	M99B	N186B	N185B			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
100	M100B	N188	N187A		180	Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
101	M101B	N189A	N193A			RIGID	None	None	RIGID	Typical
102	M102B	N192A	N196B			RIGID	None	None	RIGID	Typical
103	M103A	N191B	N195B			RIGID	None	None	RIGID	Typical
104	M104A	N190B	N194A			RIGID	None	None	RIGID	Typical
105	M105A	N197A	N198B			RIGID	None	None	RIGID	Typical
106	M106A	N199A	N200			RIGID	None	None	RIGID	Typical
107	M107A	N201	N202			RIGID	None	None	RIGID	Typical
108	M108A	N204A	N203A		180	Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
109	M109A	N205	N209B			RIGID	None	None	RIGID	Typical
110	M110A	N208A	N212A			RIGID	None	None	RIGID	Typical
111	M111A	N207	N211B			RIGID	None	None	RIGID	Typical
112	M112A	N206	N210B			RIGID	None	None	RIGID	Typical
113	M114	N215B	N216A			RIGID	None	None	RIGID	Typical
114	M115	N217	N218A			RIGID	None	None	RIGID	Typical
115	M116	N220	N219		180	Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
116	M117	N221	N225			RIGID	None	None	RIGID	Typical
117	M118	N224	N228			RIGID	None	None	RIGID	Typical
118	M119	N223	N227			RIGID	None	None	RIGID	Typical
119	M120	N222A	N226			RIGID	None	None	RIGID	Typical
120	M122A	N231A	N232A			RIGID	None	None	RIGID	Typical
121	M123A	N233A	N234A			RIGID	None	None	RIGID	Typical
122	M124A	N200	N234A		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
123	M125A	N232A	N218A		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
124	M126	N216A	N202		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	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	M73						Yes	Default			None
2	M74						Yes				None
3	M75						Yes				None
4	M76						Yes				None
5	M77	OOOOOX	OOOOOX				Yes	Default			None
6	M78						Yes				None
7	M79						Yes				None
8	M80		AllPIN			Compres...	Yes	** NA **			None
9	M81						Yes	** NA **			None
10	M82						Yes	** NA **			None
11	M83						Yes	** NA **			None
12	M84						Yes	Default			None
13	M85						Yes				None
14	M86	OOOOOX	OOOOOX				Yes	Default			None
15	M87						Yes				None
16	M88						Yes				None
17	M89		AllPIN			Compres...	Yes	** NA **			None
18	M90						Yes	** NA **			None
19	M91						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...
20	M92						Yes	** NA **			None
21	M93						Yes	Default			None
22	M94						Yes				None
23	M95	OOOOOX	OOOOOX				Yes	Default			None
24	M96						Yes				None
25	M97						Yes				None
26	M98		AllPIN			Compres...	Yes	** NA **			None
27	M99						Yes	** NA **			None
28	M100						Yes	** NA **			None
29	M101						Yes	** NA **			None
30	M102						Yes	Default			None
31	M103						Yes				None
32	M104						Yes				None
33	M105						Yes				None
34	M106						Yes				None
35	M107						Yes				None
36	M108						Yes				None
37	M109		OOOXOO				Yes	** NA **			None
38	M110		OOOXOO				Yes	** NA **			None
39	M111		OOOXOO				Yes	** NA **			None
40	M112		OOOXOO				Yes	** NA **			None
41	M113						Yes	** NA **			None
42	LIVE 1						Yes	** NA **			None
43	MP5A						Yes	** NA **			None
44	MP3A						Yes	** NA **			None
45	MP2A						Yes	** NA **			None
46	MP1A						Yes	** NA **			None
47	M121		OOOXOO				Yes	** NA **			None
48	M122		OOOXOO				Yes	** NA **			None
49	M123		OOOXOO				Yes	** NA **			None
50	M124		OOOXOO				Yes	** NA **			None
51	M125						Yes	** NA **			None
52	M128						Yes	** NA **			None
53	MP4C						Yes	** NA **			None
54	MP3C						Yes	** NA **			None
55	MP2C						Yes	** NA **			None
56	MP1C						Yes	** NA **			None
57	M133		OOOXOO				Yes	** NA **			None
58	M134		OOOXOO				Yes	** NA **			None
59	M135A		OOOXOO				Yes	** NA **			None
60	M136A		OOOXOO				Yes	** NA **			None
61	M137A						Yes	** NA **			None
62	M140A						Yes	** NA **			None
63	MP4B						Yes	** NA **			None
64	MP3B						Yes	** NA **			None
65	MP2B						Yes	** NA **			None
66	MP1B						Yes	** NA **			None
67	M73A						Yes				None
68	M74A						Yes				None
69	M75A						Yes				None
70	M76A		OOOXOO				Yes	** NA **			None
71	MP4A						Yes	** NA **			None
72	M79A		OOOXOO				Yes	** NA **			None
73	M80A		OOOXOO				Yes	** NA **			None
74	M81A		OOOXOO				Yes	** NA **			None
75	M82A		OOOXOO				Yes	** NA **			None
76	M83A		OOOXOO				Yes	** NA **			None
77	M84A		OOOXOO				Yes	** NA **			None
78	M85A		OOOXOO				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...
79	M86A		OOOXOO				Yes	** NA **			None
80	M87A		OOOXOO				Yes	** NA **			None
81	M88A		OOOXOO				Yes	** NA **			None
82	M89A		OOOXOO				Yes	** NA **			None
83	M90A		OOOXOO				Yes	** NA **			None
84	M91A		OOOXOO				Yes	** NA **			None
85	M92A						Yes	** NA **			None
86	M93A						Yes	** NA **			None
87	M94A						Yes	** NA **			None
88	M95A						Yes	** NA **			None
89	M95B						Yes	** NA **			None
90	M96A						Yes	** NA **			None
91	M97A						Yes	** NA **			None
92	M98A						Yes	** NA **			None
93	M99A						Yes	** NA **			None
94	M100A						Yes	** NA **			None
95	M101A						Yes	** NA **			None
96	M102A						Yes	** NA **			None
97	M97B	BenPIN	BenPIN				Yes	** NA **			None
98	M98B	BenPIN	BenPIN				Yes	** NA **			None
99	M99B	BenPIN	BenPIN				Yes	** NA **			None
100	M100B						Yes	Default			None
101	M101B						Yes	** NA **			None
102	M102B						Yes	** NA **			None
103	M103A						Yes	** NA **			None
104	M104A						Yes	** NA **			None
105	M105A						Yes	** NA **			None
106	M106A	OOOOOX					Yes	** NA **			None
107	M107A	OOOOOX					Yes	** NA **			None
108	M108A						Yes	Default			None
109	M109A						Yes	** NA **			None
110	M110A						Yes	** NA **			None
111	M111A						Yes	** NA **			None
112	M112A						Yes	** NA **			None
113	M114	OOOOOX					Yes	** NA **			None
114	M115	OOOOOX					Yes	** NA **			None
115	M116						Yes	Default			None
116	M117						Yes	** NA **			None
117	M118						Yes	** NA **			None
118	M119						Yes	** NA **			None
119	M120						Yes	** NA **			None
120	M122A	OOOOOX					Yes	** NA **			None
121	M123A	OOOOOX					Yes	** NA **			None
122	M124A						Yes				None
123	M125A						Yes				None
124	M126						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-17.6	4
2	MP2A	My	0	4
3	MP2A	Mz	-.009	4
4	MP3B	Y	-17.6	4
5	MP3B	My	0	4
6	MP3B	Mz	-.009	4
7	MP2A	Y	-25.5	.5
8	MP2A	My	-.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2A	Mz	-.017	.5
10	MP2A	Y	-25.5	5.5
11	MP2A	My	-.021	5.5
12	MP2A	Mz	-.017	5.5
13	MP2A	Y	-25.5	.5
14	MP2A	My	-.021	.5
15	MP2A	Mz	.017	.5
16	MP2A	Y	-25.5	5.5
17	MP2A	My	-.021	5.5
18	MP2A	Mz	.017	5.5
19	MP3B	Y	-25.5	.25
20	MP3B	My	.025	.25
21	MP3B	Mz	-.01	.25
22	MP3B	Y	-25.5	5.25
23	MP3B	My	.025	5.25
24	MP3B	Mz	-.01	5.25
25	MP3C	Y	-25.5	.25
26	MP3C	My	.000636	.25
27	MP3C	Mz	.027	.25
28	MP3C	Y	-25.5	5.25
29	MP3C	My	.000636	5.25
30	MP3C	Mz	.027	5.25
31	MP3B	Y	-25.5	.25
32	MP3B	My	-.004	.25
33	MP3B	Mz	-.027	.25
34	MP3B	Y	-25.5	5.25
35	MP3B	My	-.004	5.25
36	MP3B	Mz	-.027	5.25
37	MP3C	Y	-25.5	.25
38	MP3C	My	.027	.25
39	MP3C	Mz	.005	.25
40	MP3C	Y	-25.5	5.25
41	MP3C	My	.027	5.25
42	MP3C	Mz	.005	5.25
43	MP4B	Y	-43.55	1.42
44	MP4B	My	.009	1.42
45	MP4B	Mz	-.016	1.42
46	MP4B	Y	-43.55	3.42
47	MP4B	My	.009	3.42
48	MP4B	Mz	-.016	3.42
49	MP4C	Y	-43.55	1.42
50	MP4C	My	.012	1.42
51	MP4C	Mz	.014	1.42
52	MP4C	Y	-43.55	3.42
53	MP4C	My	.012	3.42
54	MP4C	Mz	.014	3.42
55	MP5A	Y	-43.55	1.42
56	MP5A	My	-.018	1.42
57	MP5A	Mz	0	1.42
58	MP5A	Y	-43.55	3.42
59	MP5A	My	-.018	3.42
60	MP5A	Mz	0	3.42
61	MP2A	Y	-84.4	1.6
62	MP2A	My	.056	1.6
63	MP2A	Mz	0	1.6
64	MP3B	Y	-84.4	1.6
65	MP3B	My	-.028	1.6
66	MP3B	Mz	.049	1.6
67	MP3C	Y	-84.4	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3C	My	-.036	1.6
69	MP3C	Mz	-.043	1.6
70	MP2B	Y	-70.3	1.5
71	MP2B	My	-.023	1.5
72	MP2B	Mz	.041	1.5
73	MP2C	Y	-70.3	1.5
74	MP2C	My	-.023	1.5
75	MP2C	Mz	-.041	1.5
76	MP3A	Y	-70.3	1.5
77	MP3A	My	.047	1.5
78	MP3A	Mz	0	1.5
79	MP4A	Y	-32	1
80	MP4A	My	.032	1
81	MP4A	Mz	0	1
82	MP2B	Y	-20	.25
83	MP2B	My	.004	.25
84	MP2B	Mz	-.007	.25
85	MP2B	Y	-20	5.25
86	MP2B	My	.004	5.25
87	MP2B	Mz	-.007	5.25
88	MP2C	Y	-20	.25
89	MP2C	My	.004	.25
90	MP2C	Mz	.007	.25
91	MP2C	Y	-20	5.25
92	MP2C	My	.004	5.25
93	MP2C	Mz	.007	5.25
94	MP3A	Y	-20	.25
95	MP3A	My	-.008	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	-20	5.25
98	MP3A	My	-.008	5.25
99	MP3A	Mz	0	5.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-17.824	4
2	MP2A	My	0	4
3	MP2A	Mz	-.009	4
4	MP3B	Y	-17.824	4
5	MP3B	My	0	4
6	MP3B	Mz	-.009	4
7	MP2A	Y	-110.779	.5
8	MP2A	My	-.092	.5
9	MP2A	Mz	-.074	.5
10	MP2A	Y	-110.779	5.5
11	MP2A	My	-.092	5.5
12	MP2A	Mz	-.074	5.5
13	MP2A	Y	-110.779	.5
14	MP2A	My	-.092	.5
15	MP2A	Mz	.074	.5
16	MP2A	Y	-110.779	5.5
17	MP2A	My	-.092	5.5
18	MP2A	Mz	.074	5.5
19	MP3B	Y	-110.779	.25
20	MP3B	My	.11	.25
21	MP3B	Mz	-.043	.25
22	MP3B	Y	-110.779	5.25
23	MP3B	My	.11	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3B	Mz	-.043	5.25
25	MP3C	Y	-110.779	.25
26	MP3C	My	.003	.25
27	MP3C	Mz	.118	.25
28	MP3C	Y	-110.779	5.25
29	MP3C	My	.003	5.25
30	MP3C	Mz	.118	5.25
31	MP3B	Y	-110.779	.25
32	MP3B	My	-.018	.25
33	MP3B	Mz	-.117	.25
34	MP3B	Y	-110.779	5.25
35	MP3B	My	-.018	5.25
36	MP3B	Mz	-.117	5.25
37	MP3C	Y	-110.779	.25
38	MP3C	My	.116	.25
39	MP3C	Mz	.023	.25
40	MP3C	Y	-110.779	5.25
41	MP3C	My	.116	5.25
42	MP3C	Mz	.023	5.25
43	MP4B	Y	-36.51	1.42
44	MP4B	My	.008	1.42
45	MP4B	Mz	-.013	1.42
46	MP4B	Y	-36.51	3.42
47	MP4B	My	.008	3.42
48	MP4B	Mz	-.013	3.42
49	MP4C	Y	-36.51	1.42
50	MP4C	My	.01	1.42
51	MP4C	Mz	.012	1.42
52	MP4C	Y	-36.51	3.42
53	MP4C	My	.01	3.42
54	MP4C	Mz	.012	3.42
55	MP5A	Y	-36.51	1.42
56	MP5A	My	-.015	1.42
57	MP5A	Mz	0	1.42
58	MP5A	Y	-36.51	3.42
59	MP5A	My	-.015	3.42
60	MP5A	Mz	0	3.42
61	MP2A	Y	-46.047	1.6
62	MP2A	My	.031	1.6
63	MP2A	Mz	0	1.6
64	MP3B	Y	-46.047	1.6
65	MP3B	My	-.015	1.6
66	MP3B	Mz	.027	1.6
67	MP3C	Y	-46.047	1.6
68	MP3C	My	-.02	1.6
69	MP3C	Mz	-.024	1.6
70	MP2B	Y	-41.418	1.5
71	MP2B	My	-.014	1.5
72	MP2B	Mz	.024	1.5
73	MP2C	Y	-41.418	1.5
74	MP2C	My	-.014	1.5
75	MP2C	Mz	-.024	1.5
76	MP3A	Y	-41.418	1.5
77	MP3A	My	.028	1.5
78	MP3A	Mz	0	1.5
79	MP4A	Y	-90.088	1
80	MP4A	My	.09	1
81	MP4A	Mz	0	1
82	MP2B	Y	-30.568	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2B	My	.006	.25
84	MP2B	Mz	-.011	.25
85	MP2B	Y	-30.568	5.25
86	MP2B	My	.006	5.25
87	MP2B	Mz	-.011	5.25
88	MP2C	Y	-30.568	.25
89	MP2C	My	.006	.25
90	MP2C	Mz	.011	.25
91	MP2C	Y	-30.568	5.25
92	MP2C	My	.006	5.25
93	MP2C	Mz	.011	5.25
94	MP3A	Y	-30.568	.25
95	MP3A	My	-.013	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	-30.568	5.25
98	MP3A	My	-.013	5.25
99	MP3A	Mz	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-10.411	4
3	MP2A	Mx	.005	4
4	MP3B	X	0	4
5	MP3B	Z	-10.411	4
6	MP3B	Mx	.005	4
7	MP2A	X	0	.5
8	MP2A	Z	-113.707	.5
9	MP2A	Mx	.076	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-113.707	5.5
12	MP2A	Mx	.076	5.5
13	MP2A	X	0	.5
14	MP2A	Z	-113.707	.5
15	MP2A	Mx	-.076	.5
16	MP2A	X	0	5.5
17	MP2A	Z	-113.707	5.5
18	MP2A	Mx	-.076	5.5
19	MP3B	X	0	.25
20	MP3B	Z	-92.253	.25
21	MP3B	Mx	.036	.25
22	MP3B	X	0	5.25
23	MP3B	Z	-92.253	5.25
24	MP3B	Mx	.036	5.25
25	MP3C	X	0	.25
26	MP3C	Z	-96.921	.25
27	MP3C	Mx	-.103	.25
28	MP3C	X	0	5.25
29	MP3C	Z	-96.921	5.25
30	MP3C	Mx	-.103	5.25
31	MP3B	X	0	.25
32	MP3B	Z	-92.253	.25
33	MP3B	Mx	.097	.25
34	MP3B	X	0	5.25
35	MP3B	Z	-92.253	5.25
36	MP3B	Mx	.097	5.25
37	MP3C	X	0	.25
38	MP3C	Z	-96.921	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3C	Mx	-.02	.25
40	MP3C	X	0	5.25
41	MP3C	Z	-96.921	5.25
42	MP3C	Mx	-.02	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	-35.623	1.42
45	MP4B	Mx	.013	1.42
46	MP4B	X	0	3.42
47	MP4B	Z	-35.623	3.42
48	MP4B	Mx	.013	3.42
49	MP4C	X	0	1.42
50	MP4C	Z	-43.12	1.42
51	MP4C	Mx	-.014	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	-43.12	3.42
54	MP4C	Mx	-.014	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	-70.084	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	-70.084	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	-55.423	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	-41.746	1.6
66	MP3B	Mx	-.024	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	-44.722	1.6
69	MP3C	Mx	.023	1.6
70	MP2B	X	0	1.5
71	MP2B	Z	-36.651	1.5
72	MP2B	Mx	-.021	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	-36.651	1.5
75	MP2C	Mx	.021	1.5
76	MP3A	X	0	1.5
77	MP3A	Z	-55.423	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1
80	MP4A	Z	-145.173	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	-52.913	.25
84	MP2B	Mx	.019	.25
85	MP2B	X	0	5.25
86	MP2B	Z	-52.913	5.25
87	MP2B	Mx	.019	5.25
88	MP2C	X	0	.25
89	MP2C	Z	-52.913	.25
90	MP2C	Mx	-.019	.25
91	MP2C	X	0	5.25
92	MP2C	Z	-52.913	5.25
93	MP2C	Mx	-.019	5.25
94	MP3A	X	0	.25
95	MP3A	Z	-29.142	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3A	Z	-29.142	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.195	4
2	MP2A	Z	-14.194	4
3	MP2A	Mx	.007	4
4	MP3B	X	8.195	4
5	MP3B	Z	-14.194	4
6	MP3B	Mx	.007	4
7	MP2A	X	53.278	.5
8	MP2A	Z	-92.28	.5
9	MP2A	Mx	.017	.5
10	MP2A	X	53.278	5.5
11	MP2A	Z	-92.28	5.5
12	MP2A	Mx	.017	5.5
13	MP2A	X	53.278	.5
14	MP2A	Z	-92.28	.5
15	MP2A	Mx	-.106	.5
16	MP2A	X	53.278	5.5
17	MP2A	Z	-92.28	5.5
18	MP2A	Mx	-.106	5.5
19	MP3B	X	42.551	.25
20	MP3B	Z	-73.7	.25
21	MP3B	Mx	.071	.25
22	MP3B	X	42.551	5.25
23	MP3B	Z	-73.7	5.25
24	MP3B	Mx	.071	5.25
25	MP3C	X	55.18	.25
26	MP3C	Z	-95.575	.25
27	MP3C	Mx	-.101	.25
28	MP3C	X	55.18	5.25
29	MP3C	Z	-95.575	5.25
30	MP3C	Mx	-.101	5.25
31	MP3B	X	42.551	.25
32	MP3B	Z	-73.7	.25
33	MP3B	Mx	.071	.25
34	MP3B	X	42.551	5.25
35	MP3B	Z	-73.7	5.25
36	MP3B	Mx	.071	5.25
37	MP3C	X	55.18	.25
38	MP3C	Z	-95.575	.25
39	MP3C	Mx	.038	.25
40	MP3C	X	55.18	5.25
41	MP3C	Z	-95.575	5.25
42	MP3C	Mx	.038	5.25
43	MP4B	X	12.068	1.42
44	MP4B	Z	-20.902	1.42
45	MP4B	Mx	.01	1.42
46	MP4B	X	12.068	3.42
47	MP4B	Z	-20.902	3.42
48	MP4B	Mx	.01	3.42
49	MP4C	X	32.354	1.42
50	MP4C	Z	-56.039	1.42
51	MP4C	Mx	-.009	1.42
52	MP4C	X	32.354	3.42
53	MP4C	Z	-56.039	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	-.009	3.42
55	MP5A	X	29.298	1.42
56	MP5A	Z	-50.746	1.42
57	MP5A	Mx	-.012	1.42
58	MP5A	X	29.298	3.42
59	MP5A	Z	-50.746	3.42
60	MP5A	Mx	-.012	3.42
61	MP2A	X	25.432	1.6
62	MP2A	Z	-44.05	1.6
63	MP2A	Mx	.017	1.6
64	MP3B	X	18.594	1.6
65	MP3B	Z	-32.205	1.6
66	MP3B	Mx	-.025	1.6
67	MP3C	X	26.645	1.6
68	MP3C	Z	-46.151	1.6
69	MP3C	Mx	.012	1.6
70	MP2B	X	15.197	1.5
71	MP2B	Z	-26.321	1.5
72	MP2B	Mx	-.02	1.5
73	MP2C	X	24.583	1.5
74	MP2C	Z	-42.579	1.5
75	MP2C	Mx	.016	1.5
76	MP3A	X	24.583	1.5
77	MP3A	Z	-42.579	1.5
78	MP3A	Mx	.016	1.5
79	MP4A	X	68.285	1
80	MP4A	Z	-118.272	1
81	MP4A	Mx	.068	1
82	MP2B	X	30.418	.25
83	MP2B	Z	-52.686	.25
84	MP2B	Mx	.025	.25
85	MP2B	X	30.418	5.25
86	MP2B	Z	-52.686	5.25
87	MP2B	Mx	.025	5.25
88	MP2C	X	18.533	.25
89	MP2C	Z	-32.1	.25
90	MP2C	Mx	-.008	.25
91	MP2C	X	18.533	5.25
92	MP2C	Z	-32.1	5.25
93	MP2C	Mx	-.008	5.25
94	MP3A	X	18.533	.25
95	MP3A	Z	-32.1	.25
96	MP3A	Mx	-.008	.25
97	MP3A	X	18.533	5.25
98	MP3A	Z	-32.1	5.25
99	MP3A	Mx	-.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.55	4
2	MP2A	Z	-14.174	4
3	MP2A	Mx	.007	4
4	MP3B	X	24.55	4
5	MP3B	Z	-14.174	4
6	MP3B	Mx	.007	4
7	MP2A	X	79.893	.5
8	MP2A	Z	-46.126	.5
9	MP2A	Mx	-.036	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	79.893	5.5
11	MP2A	Z	-46.126	5.5
12	MP2A	Mx	-.036	5.5
13	MP2A	X	79.893	.5
14	MP2A	Z	-46.126	.5
15	MP2A	Mx	-.097	.5
16	MP2A	X	79.893	5.5
17	MP2A	Z	-46.126	5.5
18	MP2A	Mx	-.097	5.5
19	MP3B	X	79.893	.25
20	MP3B	Z	-46.126	.25
21	MP3B	Mx	.097	.25
22	MP3B	X	79.893	5.25
23	MP3B	Z	-46.126	5.25
24	MP3B	Mx	.097	5.25
25	MP3C	X	97.726	.25
26	MP3C	Z	-56.422	.25
27	MP3C	Mx	-.058	.25
28	MP3C	X	97.726	5.25
29	MP3C	Z	-56.422	5.25
30	MP3C	Mx	-.058	5.25
31	MP3B	X	79.893	.25
32	MP3B	Z	-46.126	.25
33	MP3B	Mx	.036	.25
34	MP3B	X	79.893	5.25
35	MP3B	Z	-46.126	5.25
36	MP3B	Mx	.036	5.25
37	MP3C	X	97.726	.25
38	MP3C	Z	-56.422	.25
39	MP3C	Mx	.09	.25
40	MP3C	X	97.726	5.25
41	MP3C	Z	-56.422	5.25
42	MP3C	Mx	.09	5.25
43	MP4B	X	30.85	1.42
44	MP4B	Z	-17.811	1.42
45	MP4B	Mx	.013	1.42
46	MP4B	X	30.85	3.42
47	MP4B	Z	-17.811	3.42
48	MP4B	Mx	.013	3.42
49	MP4C	X	59.494	1.42
50	MP4C	Z	-34.349	1.42
51	MP4C	Mx	.005	1.42
52	MP4C	X	59.494	3.42
53	MP4C	Z	-34.349	3.42
54	MP4C	Mx	.005	3.42
55	MP5A	X	30.85	1.42
56	MP5A	Z	-17.811	1.42
57	MP5A	Mx	-.013	1.42
58	MP5A	X	30.85	3.42
59	MP5A	Z	-17.811	3.42
60	MP5A	Mx	-.013	3.42
61	MP2A	X	36.153	1.6
62	MP2A	Z	-20.873	1.6
63	MP2A	Mx	.024	1.6
64	MP3B	X	36.153	1.6
65	MP3B	Z	-20.873	1.6
66	MP3B	Mx	-.024	1.6
67	MP3C	X	47.522	1.6
68	MP3C	Z	-27.437	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.006	1.6
70	MP2B	X	31.741	1.5
71	MP2B	Z	-18.325	1.5
72	MP2B	Mx	-.021	1.5
73	MP2C	X	47.998	1.5
74	MP2C	Z	-27.712	1.5
75	MP2C	Mx	0	1.5
76	MP3A	X	31.741	1.5
77	MP3A	Z	-18.325	1.5
78	MP3A	Mx	.021	1.5
79	MP4A	X	103.37	1
80	MP4A	Z	-59.681	1
81	MP4A	Mx	.103	1
82	MP2B	X	45.824	.25
83	MP2B	Z	-26.456	.25
84	MP2B	Mx	.019	.25
85	MP2B	X	45.824	5.25
86	MP2B	Z	-26.456	5.25
87	MP2B	Mx	.019	5.25
88	MP2C	X	25.238	.25
89	MP2C	Z	-14.571	.25
90	MP2C	Mx	0	.25
91	MP2C	X	25.238	5.25
92	MP2C	Z	-14.571	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	45.824	.25
95	MP3A	Z	-26.456	.25
96	MP3A	Mx	-.019	.25
97	MP3A	X	45.824	5.25
98	MP3A	Z	-26.456	5.25
99	MP3A	Mx	-.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	34.327	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4
4	MP3B	X	34.327	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4
7	MP2A	X	85.102	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.071	.5
10	MP2A	X	85.102	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.071	5.5
13	MP2A	X	85.102	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	-.071	.5
16	MP2A	X	85.102	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	-.071	5.5
19	MP3B	X	106.556	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	.106	.25
22	MP3B	X	106.556	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	.106	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3C	X	101.888	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	.003	.25
28	MP3C	X	101.888	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	.003	5.25
31	MP3B	X	106.556	.25
32	MP3B	Z	0	.25
33	MP3B	Mx	-.017	.25
34	MP3B	X	106.556	5.25
35	MP3B	Z	0	5.25
36	MP3B	Mx	-.017	5.25
37	MP3C	X	101.888	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	.107	.25
40	MP3C	X	101.888	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	.107	5.25
43	MP4B	X	58.597	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	.012	1.42
46	MP4B	X	58.597	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	.012	3.42
49	MP4C	X	51.099	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	.014	1.42
52	MP4C	X	51.099	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	.014	3.42
55	MP5A	X	24.136	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	-.01	1.42
58	MP5A	X	24.136	3.42
59	MP5A	Z	0	3.42
60	MP5A	Mx	-.01	3.42
61	MP2A	X	37.187	1.6
62	MP2A	Z	0	1.6
63	MP2A	Mx	.025	1.6
64	MP3B	X	50.864	1.6
65	MP3B	Z	0	1.6
66	MP3B	Mx	-.017	1.6
67	MP3C	X	47.889	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	-.021	1.6
70	MP2B	X	49.166	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.016	1.5
73	MP2C	X	49.166	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	-.016	1.5
76	MP3A	X	30.393	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	.02	1.5
79	MP4A	X	110.757	1
80	MP4A	Z	0	1
81	MP4A	Mx	.111	1
82	MP2B	X	37.066	.25
83	MP2B	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2B	Mx	.008	.25
85	MP2B	X	37.066	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	.008	5.25
88	MP2C	X	37.066	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	.008	.25
91	MP2C	X	37.066	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	.008	5.25
94	MP3A	X	60.837	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.025	.25
97	MP3A	X	60.837	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	-.025	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.55	4
2	MP2A	Z	14.174	4
3	MP2A	Mx	-.007	4
4	MP3B	X	24.55	4
5	MP3B	Z	14.174	4
6	MP3B	Mx	-.007	4
7	MP2A	X	79.893	.5
8	MP2A	Z	46.126	.5
9	MP2A	Mx	-.097	.5
10	MP2A	X	79.893	5.5
11	MP2A	Z	46.126	5.5
12	MP2A	Mx	-.097	5.5
13	MP2A	X	79.893	.5
14	MP2A	Z	46.126	.5
15	MP2A	Mx	-.036	.5
16	MP2A	X	79.893	5.5
17	MP2A	Z	46.126	5.5
18	MP2A	Mx	-.036	5.5
19	MP3B	X	98.473	.25
20	MP3B	Z	56.854	.25
21	MP3B	Mx	.076	.25
22	MP3B	X	98.473	5.25
23	MP3B	Z	56.854	5.25
24	MP3B	Mx	.076	5.25
25	MP3C	X	76.598	.25
26	MP3C	Z	44.224	.25
27	MP3C	Mx	.049	.25
28	MP3C	X	76.598	5.25
29	MP3C	Z	44.224	5.25
30	MP3C	Mx	.049	5.25
31	MP3B	X	98.473	.25
32	MP3B	Z	56.854	.25
33	MP3B	Mx	-.076	.25
34	MP3B	X	98.473	5.25
35	MP3B	Z	56.854	5.25
36	MP3B	Mx	-.076	5.25
37	MP3C	X	76.598	.25
38	MP3C	Z	44.224	.25
39	MP3C	Mx	.089	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3C	X	76.598	5.25
41	MP3C	Z	44.224	5.25
42	MP3C	Mx	.089	5.25
43	MP4B	X	60.694	1.42
44	MP4B	Z	35.042	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	60.694	3.42
47	MP4B	Z	35.042	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	25.557	1.42
50	MP4C	Z	14.755	1.42
51	MP4C	Mx	.012	1.42
52	MP4C	X	25.557	3.42
53	MP4C	Z	14.755	3.42
54	MP4C	Mx	.012	3.42
55	MP5A	X	30.85	1.42
56	MP5A	Z	17.811	1.42
57	MP5A	Mx	-.013	1.42
58	MP5A	X	30.85	3.42
59	MP5A	Z	17.811	3.42
60	MP5A	Mx	-.013	3.42
61	MP2A	X	36.153	1.6
62	MP2A	Z	20.873	1.6
63	MP2A	Mx	.024	1.6
64	MP3B	X	47.998	1.6
65	MP3B	Z	27.712	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	34.053	1.6
68	MP3C	Z	19.66	1.6
69	MP3C	Mx	-.025	1.6
70	MP2B	X	47.998	1.5
71	MP2B	Z	27.712	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	31.741	1.5
74	MP2C	Z	18.325	1.5
75	MP2C	Mx	-.021	1.5
76	MP3A	X	31.741	1.5
77	MP3A	Z	18.325	1.5
78	MP3A	Mx	.021	1.5
79	MP4A	X	103.37	1
80	MP4A	Z	59.681	1
81	MP4A	Mx	.103	1
82	MP2B	X	25.238	.25
83	MP2B	Z	14.571	.25
84	MP2B	Mx	0	.25
85	MP2B	X	25.238	5.25
86	MP2B	Z	14.571	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	45.824	.25
89	MP2C	Z	26.456	.25
90	MP2C	Mx	.019	.25
91	MP2C	X	45.824	5.25
92	MP2C	Z	26.456	5.25
93	MP2C	Mx	.019	5.25
94	MP3A	X	45.824	.25
95	MP3A	Z	26.456	.25
96	MP3A	Mx	-.019	.25
97	MP3A	X	45.824	5.25
98	MP3A	Z	26.456	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP3A	Mx	-.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.195	4
2	MP2A	Z	14.194	4
3	MP2A	Mx	-.007	4
4	MP3B	X	8.195	4
5	MP3B	Z	14.194	4
6	MP3B	Mx	-.007	4
7	MP2A	X	53.278	.5
8	MP2A	Z	92.28	.5
9	MP2A	Mx	-.106	.5
10	MP2A	X	53.278	5.5
11	MP2A	Z	92.28	5.5
12	MP2A	Mx	-.106	5.5
13	MP2A	X	53.278	.5
14	MP2A	Z	92.28	.5
15	MP2A	Mx	.017	.5
16	MP2A	X	53.278	5.5
17	MP2A	Z	92.28	5.5
18	MP2A	Mx	.017	5.5
19	MP3B	X	53.278	.25
20	MP3B	Z	92.28	.25
21	MP3B	Mx	.017	.25
22	MP3B	X	53.278	5.25
23	MP3B	Z	92.28	5.25
24	MP3B	Mx	.017	5.25
25	MP3C	X	42.982	.25
26	MP3C	Z	74.447	.25
27	MP3C	Mx	.081	.25
28	MP3C	X	42.982	5.25
29	MP3C	Z	74.447	5.25
30	MP3C	Mx	.081	5.25
31	MP3B	X	53.278	.25
32	MP3B	Z	92.28	.25
33	MP3B	Mx	-.106	.25
34	MP3B	X	53.278	5.25
35	MP3B	Z	92.28	5.25
36	MP3B	Mx	-.106	5.25
37	MP3C	X	42.982	.25
38	MP3C	Z	74.447	.25
39	MP3C	Mx	.061	.25
40	MP3C	X	42.982	5.25
41	MP3C	Z	74.447	5.25
42	MP3C	Mx	.061	5.25
43	MP4B	X	29.298	1.42
44	MP4B	Z	50.746	1.42
45	MP4B	Mx	-.012	1.42
46	MP4B	X	29.298	3.42
47	MP4B	Z	50.746	3.42
48	MP4B	Mx	-.012	3.42
49	MP4C	X	12.761	1.42
50	MP4C	Z	22.102	1.42
51	MP4C	Mx	.01	1.42
52	MP4C	X	12.761	3.42
53	MP4C	Z	22.102	3.42
54	MP4C	Mx	.01	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP5A	X	29.298	1.42
56	MP5A	Z	50.746	1.42
57	MP5A	Mx	-.012	1.42
58	MP5A	X	29.298	3.42
59	MP5A	Z	50.746	3.42
60	MP5A	Mx	-.012	3.42
61	MP2A	X	25.432	1.6
62	MP2A	Z	44.05	1.6
63	MP2A	Mx	.017	1.6
64	MP3B	X	25.432	1.6
65	MP3B	Z	44.05	1.6
66	MP3B	Mx	.017	1.6
67	MP3C	X	18.869	1.6
68	MP3C	Z	32.681	1.6
69	MP3C	Mx	-.025	1.6
70	MP2B	X	24.583	1.5
71	MP2B	Z	42.579	1.5
72	MP2B	Mx	.016	1.5
73	MP2C	X	15.197	1.5
74	MP2C	Z	26.321	1.5
75	MP2C	Mx	-.02	1.5
76	MP3A	X	24.583	1.5
77	MP3A	Z	42.579	1.5
78	MP3A	Mx	.016	1.5
79	MP4A	X	68.285	1
80	MP4A	Z	118.272	1
81	MP4A	Mx	.068	1
82	MP2B	X	18.533	.25
83	MP2B	Z	32.1	.25
84	MP2B	Mx	-.008	.25
85	MP2B	X	18.533	5.25
86	MP2B	Z	32.1	5.25
87	MP2B	Mx	-.008	5.25
88	MP2C	X	30.418	.25
89	MP2C	Z	52.686	.25
90	MP2C	Mx	.025	.25
91	MP2C	X	30.418	5.25
92	MP2C	Z	52.686	5.25
93	MP2C	Mx	.025	5.25
94	MP3A	X	18.533	.25
95	MP3A	Z	32.1	.25
96	MP3A	Mx	-.008	.25
97	MP3A	X	18.533	5.25
98	MP3A	Z	32.1	5.25
99	MP3A	Mx	-.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	10.411	4
3	MP2A	Mx	-.005	4
4	MP3B	X	0	4
5	MP3B	Z	10.411	4
6	MP3B	Mx	-.005	4
7	MP2A	X	0	.5
8	MP2A	Z	113.707	.5
9	MP2A	Mx	-.076	.5
10	MP2A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	113.707	5.5
12	MP2A	Mx	-.076	5.5
13	MP2A	X	0	.5
14	MP2A	Z	113.707	.5
15	MP2A	Mx	.076	.5
16	MP2A	X	0	5.5
17	MP2A	Z	113.707	5.5
18	MP2A	Mx	.076	5.5
19	MP3B	X	0	.25
20	MP3B	Z	92.253	.25
21	MP3B	Mx	-.036	.25
22	MP3B	X	0	5.25
23	MP3B	Z	92.253	5.25
24	MP3B	Mx	-.036	5.25
25	MP3C	X	0	.25
26	MP3C	Z	96.921	.25
27	MP3C	Mx	.103	.25
28	MP3C	X	0	5.25
29	MP3C	Z	96.921	5.25
30	MP3C	Mx	.103	5.25
31	MP3B	X	0	.25
32	MP3B	Z	92.253	.25
33	MP3B	Mx	-.097	.25
34	MP3B	X	0	5.25
35	MP3B	Z	92.253	5.25
36	MP3B	Mx	-.097	5.25
37	MP3C	X	0	.25
38	MP3C	Z	96.921	.25
39	MP3C	Mx	.02	.25
40	MP3C	X	0	5.25
41	MP3C	Z	96.921	5.25
42	MP3C	Mx	.02	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	35.623	1.42
45	MP4B	Mx	-.013	1.42
46	MP4B	X	0	3.42
47	MP4B	Z	35.623	3.42
48	MP4B	Mx	-.013	3.42
49	MP4C	X	0	1.42
50	MP4C	Z	43.12	1.42
51	MP4C	Mx	.014	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	43.12	3.42
54	MP4C	Mx	.014	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	70.084	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	70.084	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	55.423	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	41.746	1.6
66	MP3B	Mx	.024	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	44.722	1.6
69	MP3C	Mx	-.023	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	0	1.5
71	MP2B	Z	36.651	1.5
72	MP2B	Mx	.021	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	36.651	1.5
75	MP2C	Mx	-.021	1.5
76	MP3A	X	0	1.5
77	MP3A	Z	55.423	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1
80	MP4A	Z	145.173	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	52.913	.25
84	MP2B	Mx	-.019	.25
85	MP2B	X	0	5.25
86	MP2B	Z	52.913	5.25
87	MP2B	Mx	-.019	5.25
88	MP2C	X	0	.25
89	MP2C	Z	52.913	.25
90	MP2C	Mx	.019	.25
91	MP2C	X	0	5.25
92	MP2C	Z	52.913	5.25
93	MP2C	Mx	.019	5.25
94	MP3A	X	0	.25
95	MP3A	Z	29.142	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25
98	MP3A	Z	29.142	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.195	4
2	MP2A	Z	14.194	4
3	MP2A	Mx	-.007	4
4	MP3B	X	-8.195	4
5	MP3B	Z	14.194	4
6	MP3B	Mx	-.007	4
7	MP2A	X	-53.278	.5
8	MP2A	Z	92.28	.5
9	MP2A	Mx	-.017	.5
10	MP2A	X	-53.278	5.5
11	MP2A	Z	92.28	5.5
12	MP2A	Mx	-.017	5.5
13	MP2A	X	-53.278	.5
14	MP2A	Z	92.28	.5
15	MP2A	Mx	.106	.5
16	MP2A	X	-53.278	5.5
17	MP2A	Z	92.28	5.5
18	MP2A	Mx	.106	5.5
19	MP3B	X	-42.551	.25
20	MP3B	Z	73.7	.25
21	MP3B	Mx	-.071	.25
22	MP3B	X	-42.551	5.25
23	MP3B	Z	73.7	5.25
24	MP3B	Mx	-.071	5.25
25	MP3C	X	-55.18	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3C	Z	95.575	.25
27	MP3C	Mx	.101	.25
28	MP3C	X	-55.18	5.25
29	MP3C	Z	95.575	5.25
30	MP3C	Mx	.101	5.25
31	MP3B	X	-42.551	.25
32	MP3B	Z	73.7	.25
33	MP3B	Mx	-.071	.25
34	MP3B	X	-42.551	5.25
35	MP3B	Z	73.7	5.25
36	MP3B	Mx	-.071	5.25
37	MP3C	X	-55.18	.25
38	MP3C	Z	95.575	.25
39	MP3C	Mx	-.038	.25
40	MP3C	X	-55.18	5.25
41	MP3C	Z	95.575	5.25
42	MP3C	Mx	-.038	5.25
43	MP4B	X	-12.068	1.42
44	MP4B	Z	20.902	1.42
45	MP4B	Mx	-.01	1.42
46	MP4B	X	-12.068	3.42
47	MP4B	Z	20.902	3.42
48	MP4B	Mx	-.01	3.42
49	MP4C	X	-32.354	1.42
50	MP4C	Z	56.039	1.42
51	MP4C	Mx	.009	1.42
52	MP4C	X	-32.354	3.42
53	MP4C	Z	56.039	3.42
54	MP4C	Mx	.009	3.42
55	MP5A	X	-29.298	1.42
56	MP5A	Z	50.746	1.42
57	MP5A	Mx	.012	1.42
58	MP5A	X	-29.298	3.42
59	MP5A	Z	50.746	3.42
60	MP5A	Mx	.012	3.42
61	MP2A	X	-25.432	1.6
62	MP2A	Z	44.05	1.6
63	MP2A	Mx	-.017	1.6
64	MP3B	X	-18.594	1.6
65	MP3B	Z	32.205	1.6
66	MP3B	Mx	.025	1.6
67	MP3C	X	-26.645	1.6
68	MP3C	Z	46.151	1.6
69	MP3C	Mx	-.012	1.6
70	MP2B	X	-15.197	1.5
71	MP2B	Z	26.321	1.5
72	MP2B	Mx	.02	1.5
73	MP2C	X	-24.583	1.5
74	MP2C	Z	42.579	1.5
75	MP2C	Mx	-.016	1.5
76	MP3A	X	-24.583	1.5
77	MP3A	Z	42.579	1.5
78	MP3A	Mx	-.016	1.5
79	MP4A	X	-68.285	1
80	MP4A	Z	118.272	1
81	MP4A	Mx	-.068	1
82	MP2B	X	-30.418	.25
83	MP2B	Z	52.686	.25
84	MP2B	Mx	-.025	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP2B	X	-30.418	5.25
86	MP2B	Z	52.686	5.25
87	MP2B	Mx	-.025	5.25
88	MP2C	X	-18.533	.25
89	MP2C	Z	32.1	.25
90	MP2C	Mx	.008	.25
91	MP2C	X	-18.533	5.25
92	MP2C	Z	32.1	5.25
93	MP2C	Mx	.008	5.25
94	MP3A	X	-18.533	.25
95	MP3A	Z	32.1	.25
96	MP3A	Mx	.008	.25
97	MP3A	X	-18.533	5.25
98	MP3A	Z	32.1	5.25
99	MP3A	Mx	.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.55	4
2	MP2A	Z	14.174	4
3	MP2A	Mx	-.007	4
4	MP3B	X	-24.55	4
5	MP3B	Z	14.174	4
6	MP3B	Mx	-.007	4
7	MP2A	X	-79.893	.5
8	MP2A	Z	46.126	.5
9	MP2A	Mx	.036	.5
10	MP2A	X	-79.893	5.5
11	MP2A	Z	46.126	5.5
12	MP2A	Mx	.036	5.5
13	MP2A	X	-79.893	.5
14	MP2A	Z	46.126	.5
15	MP2A	Mx	.097	.5
16	MP2A	X	-79.893	5.5
17	MP2A	Z	46.126	5.5
18	MP2A	Mx	.097	5.5
19	MP3B	X	-79.893	.25
20	MP3B	Z	46.126	.25
21	MP3B	Mx	-.097	.25
22	MP3B	X	-79.893	5.25
23	MP3B	Z	46.126	5.25
24	MP3B	Mx	-.097	5.25
25	MP3C	X	-97.726	.25
26	MP3C	Z	56.422	.25
27	MP3C	Mx	.058	.25
28	MP3C	X	-97.726	5.25
29	MP3C	Z	56.422	5.25
30	MP3C	Mx	.058	5.25
31	MP3B	X	-79.893	.25
32	MP3B	Z	46.126	.25
33	MP3B	Mx	-.036	.25
34	MP3B	X	-79.893	5.25
35	MP3B	Z	46.126	5.25
36	MP3B	Mx	-.036	5.25
37	MP3C	X	-97.726	.25
38	MP3C	Z	56.422	.25
39	MP3C	Mx	-.09	.25
40	MP3C	X	-97.726	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3C	Z	56.422	5.25
42	MP3C	Mx	-.09	5.25
43	MP4B	X	-30.85	1.42
44	MP4B	Z	17.811	1.42
45	MP4B	Mx	-.013	1.42
46	MP4B	X	-30.85	3.42
47	MP4B	Z	17.811	3.42
48	MP4B	Mx	-.013	3.42
49	MP4C	X	-59.494	1.42
50	MP4C	Z	34.349	1.42
51	MP4C	Mx	-.005	1.42
52	MP4C	X	-59.494	3.42
53	MP4C	Z	34.349	3.42
54	MP4C	Mx	-.005	3.42
55	MP5A	X	-30.85	1.42
56	MP5A	Z	17.811	1.42
57	MP5A	Mx	.013	1.42
58	MP5A	X	-30.85	3.42
59	MP5A	Z	17.811	3.42
60	MP5A	Mx	.013	3.42
61	MP2A	X	-36.153	1.6
62	MP2A	Z	20.873	1.6
63	MP2A	Mx	-.024	1.6
64	MP3B	X	-36.153	1.6
65	MP3B	Z	20.873	1.6
66	MP3B	Mx	.024	1.6
67	MP3C	X	-47.522	1.6
68	MP3C	Z	27.437	1.6
69	MP3C	Mx	.006	1.6
70	MP2B	X	-31.741	1.5
71	MP2B	Z	18.325	1.5
72	MP2B	Mx	.021	1.5
73	MP2C	X	-47.998	1.5
74	MP2C	Z	27.712	1.5
75	MP2C	Mx	0	1.5
76	MP3A	X	-31.741	1.5
77	MP3A	Z	18.325	1.5
78	MP3A	Mx	-.021	1.5
79	MP4A	X	-103.37	1
80	MP4A	Z	59.681	1
81	MP4A	Mx	-.103	1
82	MP2B	X	-45.824	.25
83	MP2B	Z	26.456	.25
84	MP2B	Mx	-.019	.25
85	MP2B	X	-45.824	5.25
86	MP2B	Z	26.456	5.25
87	MP2B	Mx	-.019	5.25
88	MP2C	X	-25.238	.25
89	MP2C	Z	14.571	.25
90	MP2C	Mx	0	.25
91	MP2C	X	-25.238	5.25
92	MP2C	Z	14.571	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	-45.824	.25
95	MP3A	Z	26.456	.25
96	MP3A	Mx	.019	.25
97	MP3A	X	-45.824	5.25
98	MP3A	Z	26.456	5.25
99	MP3A	Mx	.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-34.327	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4
4	MP3B	X	-34.327	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4
7	MP2A	X	-85.102	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.071	.5
10	MP2A	X	-85.102	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.071	5.5
13	MP2A	X	-85.102	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.071	.5
16	MP2A	X	-85.102	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	.071	5.5
19	MP3B	X	-106.556	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	-.106	.25
22	MP3B	X	-106.556	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	-.106	5.25
25	MP3C	X	-101.888	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	-.003	.25
28	MP3C	X	-101.888	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	-.003	5.25
31	MP3B	X	-106.556	.25
32	MP3B	Z	0	.25
33	MP3B	Mx	.017	.25
34	MP3B	X	-106.556	5.25
35	MP3B	Z	0	5.25
36	MP3B	Mx	.017	5.25
37	MP3C	X	-101.888	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	-.107	.25
40	MP3C	X	-101.888	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	-.107	5.25
43	MP4B	X	-58.597	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	-.012	1.42
46	MP4B	X	-58.597	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	-.012	3.42
49	MP4C	X	-51.099	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	-.014	1.42
52	MP4C	X	-51.099	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	-.014	3.42
55	MP5A	X	-24.136	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	.01	1.42
58	MP5A	X	-24.136	3.42
59	MP5A	Z	0	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP5A	Mx	.01	3.42
61	MP2A	X	-37.187	1.6
62	MP2A	Z	0	1.6
63	MP2A	Mx	-.025	1.6
64	MP3B	X	-50.864	1.6
65	MP3B	Z	0	1.6
66	MP3B	Mx	.017	1.6
67	MP3C	X	-47.889	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	.021	1.6
70	MP2B	X	-49.166	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.016	1.5
73	MP2C	X	-49.166	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	.016	1.5
76	MP3A	X	-30.393	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	-.02	1.5
79	MP4A	X	-110.757	1
80	MP4A	Z	0	1
81	MP4A	Mx	-.111	1
82	MP2B	X	-37.066	.25
83	MP2B	Z	0	.25
84	MP2B	Mx	-.008	.25
85	MP2B	X	-37.066	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	-.008	5.25
88	MP2C	X	-37.066	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	-.008	.25
91	MP2C	X	-37.066	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	-.008	5.25
94	MP3A	X	-60.837	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.025	.25
97	MP3A	X	-60.837	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	.025	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.55	4
2	MP2A	Z	-14.174	4
3	MP2A	Mx	.007	4
4	MP3B	X	-24.55	4
5	MP3B	Z	-14.174	4
6	MP3B	Mx	.007	4
7	MP2A	X	-79.893	.5
8	MP2A	Z	-46.126	.5
9	MP2A	Mx	.097	.5
10	MP2A	X	-79.893	5.5
11	MP2A	Z	-46.126	5.5
12	MP2A	Mx	.097	5.5
13	MP2A	X	-79.893	.5
14	MP2A	Z	-46.126	.5
15	MP2A	Mx	.036	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2A	X	-79.893	5.5
17	MP2A	Z	-46.126	5.5
18	MP2A	Mx	.036	5.5
19	MP3B	X	-98.473	.25
20	MP3B	Z	-56.854	.25
21	MP3B	Mx	-.076	.25
22	MP3B	X	-98.473	5.25
23	MP3B	Z	-56.854	5.25
24	MP3B	Mx	-.076	5.25
25	MP3C	X	-76.598	.25
26	MP3C	Z	-44.224	.25
27	MP3C	Mx	-.049	.25
28	MP3C	X	-76.598	5.25
29	MP3C	Z	-44.224	5.25
30	MP3C	Mx	-.049	5.25
31	MP3B	X	-98.473	.25
32	MP3B	Z	-56.854	.25
33	MP3B	Mx	.076	.25
34	MP3B	X	-98.473	5.25
35	MP3B	Z	-56.854	5.25
36	MP3B	Mx	.076	5.25
37	MP3C	X	-76.598	.25
38	MP3C	Z	-44.224	.25
39	MP3C	Mx	-.089	.25
40	MP3C	X	-76.598	5.25
41	MP3C	Z	-44.224	5.25
42	MP3C	Mx	-.089	5.25
43	MP4B	X	-60.694	1.42
44	MP4B	Z	-35.042	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	-60.694	3.42
47	MP4B	Z	-35.042	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	-25.557	1.42
50	MP4C	Z	-14.755	1.42
51	MP4C	Mx	-.012	1.42
52	MP4C	X	-25.557	3.42
53	MP4C	Z	-14.755	3.42
54	MP4C	Mx	-.012	3.42
55	MP5A	X	-30.85	1.42
56	MP5A	Z	-17.811	1.42
57	MP5A	Mx	.013	1.42
58	MP5A	X	-30.85	3.42
59	MP5A	Z	-17.811	3.42
60	MP5A	Mx	.013	3.42
61	MP2A	X	-36.153	1.6
62	MP2A	Z	-20.873	1.6
63	MP2A	Mx	-.024	1.6
64	MP3B	X	-47.998	1.6
65	MP3B	Z	-27.712	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	-34.053	1.6
68	MP3C	Z	-19.66	1.6
69	MP3C	Mx	.025	1.6
70	MP2B	X	-47.998	1.5
71	MP2B	Z	-27.712	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	-31.741	1.5
74	MP2C	Z	-18.325	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	.021	1.5
76	MP3A	X	-31.741	1.5
77	MP3A	Z	-18.325	1.5
78	MP3A	Mx	-.021	1.5
79	MP4A	X	-103.37	1
80	MP4A	Z	-59.681	1
81	MP4A	Mx	-.103	1
82	MP2B	X	-25.238	.25
83	MP2B	Z	-14.571	.25
84	MP2B	Mx	0	.25
85	MP2B	X	-25.238	5.25
86	MP2B	Z	-14.571	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	-45.824	.25
89	MP2C	Z	-26.456	.25
90	MP2C	Mx	-.019	.25
91	MP2C	X	-45.824	5.25
92	MP2C	Z	-26.456	5.25
93	MP2C	Mx	-.019	5.25
94	MP3A	X	-45.824	.25
95	MP3A	Z	-26.456	.25
96	MP3A	Mx	.019	.25
97	MP3A	X	-45.824	5.25
98	MP3A	Z	-26.456	5.25
99	MP3A	Mx	.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.195	4
2	MP2A	Z	-14.194	4
3	MP2A	Mx	.007	4
4	MP3B	X	-8.195	4
5	MP3B	Z	-14.194	4
6	MP3B	Mx	.007	4
7	MP2A	X	-53.278	.5
8	MP2A	Z	-92.28	.5
9	MP2A	Mx	.106	.5
10	MP2A	X	-53.278	5.5
11	MP2A	Z	-92.28	5.5
12	MP2A	Mx	.106	5.5
13	MP2A	X	-53.278	.5
14	MP2A	Z	-92.28	.5
15	MP2A	Mx	-.017	.5
16	MP2A	X	-53.278	5.5
17	MP2A	Z	-92.28	5.5
18	MP2A	Mx	-.017	5.5
19	MP3B	X	-53.278	.25
20	MP3B	Z	-92.28	.25
21	MP3B	Mx	-.017	.25
22	MP3B	X	-53.278	5.25
23	MP3B	Z	-92.28	5.25
24	MP3B	Mx	-.017	5.25
25	MP3C	X	-42.982	.25
26	MP3C	Z	-74.447	.25
27	MP3C	Mx	-.081	.25
28	MP3C	X	-42.982	5.25
29	MP3C	Z	-74.447	5.25
30	MP3C	Mx	-.081	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3B	X	-53.278	.25
32	MP3B	Z	-92.28	.25
33	MP3B	Mx	.106	.25
34	MP3B	X	-53.278	5.25
35	MP3B	Z	-92.28	5.25
36	MP3B	Mx	.106	5.25
37	MP3C	X	-42.982	.25
38	MP3C	Z	-74.447	.25
39	MP3C	Mx	-.061	.25
40	MP3C	X	-42.982	5.25
41	MP3C	Z	-74.447	5.25
42	MP3C	Mx	-.061	5.25
43	MP4B	X	-29.298	1.42
44	MP4B	Z	-50.746	1.42
45	MP4B	Mx	.012	1.42
46	MP4B	X	-29.298	3.42
47	MP4B	Z	-50.746	3.42
48	MP4B	Mx	.012	3.42
49	MP4C	X	-12.761	1.42
50	MP4C	Z	-22.102	1.42
51	MP4C	Mx	-.01	1.42
52	MP4C	X	-12.761	3.42
53	MP4C	Z	-22.102	3.42
54	MP4C	Mx	-.01	3.42
55	MP5A	X	-29.298	1.42
56	MP5A	Z	-50.746	1.42
57	MP5A	Mx	.012	1.42
58	MP5A	X	-29.298	3.42
59	MP5A	Z	-50.746	3.42
60	MP5A	Mx	.012	3.42
61	MP2A	X	-25.432	1.6
62	MP2A	Z	-44.05	1.6
63	MP2A	Mx	-.017	1.6
64	MP3B	X	-25.432	1.6
65	MP3B	Z	-44.05	1.6
66	MP3B	Mx	-.017	1.6
67	MP3C	X	-18.869	1.6
68	MP3C	Z	-32.681	1.6
69	MP3C	Mx	.025	1.6
70	MP2B	X	-24.583	1.5
71	MP2B	Z	-42.579	1.5
72	MP2B	Mx	-.016	1.5
73	MP2C	X	-15.197	1.5
74	MP2C	Z	-26.321	1.5
75	MP2C	Mx	.02	1.5
76	MP3A	X	-24.583	1.5
77	MP3A	Z	-42.579	1.5
78	MP3A	Mx	-.016	1.5
79	MP4A	X	-68.285	1
80	MP4A	Z	-118.272	1
81	MP4A	Mx	-.068	1
82	MP2B	X	-18.533	.25
83	MP2B	Z	-32.1	.25
84	MP2B	Mx	.008	.25
85	MP2B	X	-18.533	5.25
86	MP2B	Z	-32.1	5.25
87	MP2B	Mx	.008	5.25
88	MP2C	X	-30.418	.25
89	MP2C	Z	-52.686	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2C	Mx	-.025	.25
91	MP2C	X	-30.418	5.25
92	MP2C	Z	-52.686	5.25
93	MP2C	Mx	-.025	5.25
94	MP3A	X	-18.533	.25
95	MP3A	Z	-32.1	.25
96	MP3A	Mx	.008	.25
97	MP3A	X	-18.533	5.25
98	MP3A	Z	-32.1	5.25
99	MP3A	Mx	.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-2.906	4
3	MP2A	Mx	.001	4
4	MP3B	X	0	4
5	MP3B	Z	-2.906	4
6	MP3B	Mx	.001	4
7	MP2A	X	0	.5
8	MP2A	Z	-46.928	.5
9	MP2A	Mx	.031	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-46.928	5.5
12	MP2A	Mx	.031	5.5
13	MP2A	X	0	.5
14	MP2A	Z	-46.928	.5
15	MP2A	Mx	-.031	.5
16	MP2A	X	0	5.5
17	MP2A	Z	-46.928	5.5
18	MP2A	Mx	-.031	5.5
19	MP3B	X	0	.25
20	MP3B	Z	-38.62	.25
21	MP3B	Mx	.015	.25
22	MP3B	X	0	5.25
23	MP3B	Z	-38.62	5.25
24	MP3B	Mx	.015	5.25
25	MP3C	X	0	.25
26	MP3C	Z	-40.427	.25
27	MP3C	Mx	-.043	.25
28	MP3C	X	0	5.25
29	MP3C	Z	-40.427	5.25
30	MP3C	Mx	-.043	5.25
31	MP3B	X	0	.25
32	MP3B	Z	-38.62	.25
33	MP3B	Mx	.041	.25
34	MP3B	X	0	5.25
35	MP3B	Z	-38.62	5.25
36	MP3B	Mx	.041	5.25
37	MP3C	X	0	.25
38	MP3C	Z	-40.427	.25
39	MP3C	Mx	-.008	.25
40	MP3C	X	0	5.25
41	MP3C	Z	-40.427	5.25
42	MP3C	Mx	-.008	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	-9.42	1.42
45	MP4B	Mx	.003	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	0	3.42
47	MP4B	Z	-9.42	3.42
48	MP4B	Mx	.003	3.42
49	MP4C	X	0	1.42
50	MP4C	Z	-10.966	1.42
51	MP4C	Mx	-.004	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	-10.966	3.42
54	MP4C	Mx	-.004	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	-16.524	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	-16.524	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	-13.944	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	-10.767	1.6
66	MP3B	Mx	-.006	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	-11.459	1.6
69	MP3C	Mx	.006	1.6
70	MP2B	X	0	1.5
71	MP2B	Z	-9.56	1.5
72	MP2B	Mx	-.006	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	-9.56	1.5
75	MP2C	Mx	.006	1.5
76	MP3A	X	0	1.5
77	MP3A	Z	-13.944	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1
80	MP4A	Z	-28.625	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	-13.279	.25
84	MP2B	Mx	.005	.25
85	MP2B	X	0	5.25
86	MP2B	Z	-13.279	5.25
87	MP2B	Mx	.005	5.25
88	MP2C	X	0	.25
89	MP2C	Z	-13.279	.25
90	MP2C	Mx	-.005	.25
91	MP2C	X	0	5.25
92	MP2C	Z	-13.279	5.25
93	MP2C	Mx	-.005	5.25
94	MP3A	X	0	.25
95	MP3A	Z	-14.67	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25
98	MP3A	Z	-14.67	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.049	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-3.549	4
3	MP2A	Mx	.002	4
4	MP3B	X	2.049	4
5	MP3B	Z	-3.549	4
6	MP3B	Mx	.002	4
7	MP2A	X	22.079	.5
8	MP2A	Z	-38.242	.5
9	MP2A	Mx	.007	.5
10	MP2A	X	22.079	5.5
11	MP2A	Z	-38.242	5.5
12	MP2A	Mx	.007	5.5
13	MP2A	X	22.079	.5
14	MP2A	Z	-38.242	.5
15	MP2A	Mx	-.044	.5
16	MP2A	X	22.079	5.5
17	MP2A	Z	-38.242	5.5
18	MP2A	Mx	-.044	5.5
19	MP3B	X	17.925	.25
20	MP3B	Z	-31.047	.25
21	MP3B	Mx	.03	.25
22	MP3B	X	17.925	5.25
23	MP3B	Z	-31.047	5.25
24	MP3B	Mx	.03	5.25
25	MP3C	X	22.816	.25
26	MP3C	Z	-39.519	.25
27	MP3C	Mx	-.042	.25
28	MP3C	X	22.816	5.25
29	MP3C	Z	-39.519	5.25
30	MP3C	Mx	-.042	5.25
31	MP3B	X	17.925	.25
32	MP3B	Z	-31.047	.25
33	MP3B	Mx	.03	.25
34	MP3B	X	17.925	5.25
35	MP3B	Z	-31.047	5.25
36	MP3B	Mx	.03	5.25
37	MP3C	X	22.816	.25
38	MP3C	Z	-39.519	.25
39	MP3C	Mx	.016	.25
40	MP3C	X	22.816	5.25
41	MP3C	Z	-39.519	5.25
42	MP3C	Mx	.016	5.25
43	MP4B	X	3.526	1.42
44	MP4B	Z	-6.107	1.42
45	MP4B	Mx	.003	1.42
46	MP4B	X	3.526	3.42
47	MP4B	Z	-6.107	3.42
48	MP4B	Mx	.003	3.42
49	MP4C	X	7.708	1.42
50	MP4C	Z	-13.351	1.42
51	MP4C	Mx	-.002	1.42
52	MP4C	X	7.708	3.42
53	MP4C	Z	-13.351	3.42
54	MP4C	Mx	-.002	3.42
55	MP5A	X	7.078	1.42
56	MP5A	Z	-12.26	1.42
57	MP5A	Mx	-.003	1.42
58	MP5A	X	7.078	3.42
59	MP5A	Z	-12.26	3.42
60	MP5A	Mx	-.003	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2A	X	6.443	1.6
62	MP2A	Z	-11.159	1.6
63	MP2A	Mx	.004	1.6
64	MP3B	X	4.854	1.6
65	MP3B	Z	-8.408	1.6
66	MP3B	Mx	-.006	1.6
67	MP3C	X	6.724	1.6
68	MP3C	Z	-11.647	1.6
69	MP3C	Mx	.003	1.6
70	MP2B	X	4.049	1.5
71	MP2B	Z	-7.014	1.5
72	MP2B	Mx	-.005	1.5
73	MP2C	X	6.241	1.5
74	MP2C	Z	-10.81	1.5
75	MP2C	Mx	.004	1.5
76	MP3A	X	6.241	1.5
77	MP3A	Z	-10.81	1.5
78	MP3A	Mx	.004	1.5
79	MP4A	X	13.534	1
80	MP4A	Z	-23.441	1
81	MP4A	Mx	.014	1
82	MP2B	X	6.408	.25
83	MP2B	Z	-11.099	.25
84	MP2B	Mx	.005	.25
85	MP2B	X	6.408	5.25
86	MP2B	Z	-11.099	5.25
87	MP2B	Mx	.005	5.25
88	MP2C	X	7.103	.25
89	MP2C	Z	-12.303	.25
90	MP2C	Mx	-.003	.25
91	MP2C	X	7.103	5.25
92	MP2C	Z	-12.303	5.25
93	MP2C	Mx	-.003	5.25
94	MP3A	X	7.103	.25
95	MP3A	Z	-12.303	.25
96	MP3A	Mx	-.003	.25
97	MP3A	X	7.103	5.25
98	MP3A	Z	-12.303	5.25
99	MP3A	Mx	-.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.615	4
2	MP2A	Z	-3.242	4
3	MP2A	Mx	.002	4
4	MP3B	X	5.615	4
5	MP3B	Z	-3.242	4
6	MP3B	Mx	.002	4
7	MP2A	X	33.446	.5
8	MP2A	Z	-19.31	.5
9	MP2A	Mx	-.015	.5
10	MP2A	X	33.446	5.5
11	MP2A	Z	-19.31	5.5
12	MP2A	Mx	-.015	5.5
13	MP2A	X	33.446	.5
14	MP2A	Z	-19.31	.5
15	MP2A	Mx	-.041	.5
16	MP2A	X	33.446	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2A	Z	-19.31	5.5
18	MP2A	Mx	-.041	5.5
19	MP3B	X	33.446	.25
20	MP3B	Z	-19.31	.25
21	MP3B	Mx	.041	.25
22	MP3B	X	33.446	5.25
23	MP3B	Z	-19.31	5.25
24	MP3B	Mx	.041	5.25
25	MP3C	X	40.352	.25
26	MP3C	Z	-23.297	.25
27	MP3C	Mx	-.024	.25
28	MP3C	X	40.352	5.25
29	MP3C	Z	-23.297	5.25
30	MP3C	Mx	-.024	5.25
31	MP3B	X	33.446	.25
32	MP3B	Z	-19.31	.25
33	MP3B	Mx	.015	.25
34	MP3B	X	33.446	5.25
35	MP3B	Z	-19.31	5.25
36	MP3B	Mx	.015	5.25
37	MP3C	X	40.352	.25
38	MP3C	Z	-23.297	.25
39	MP3C	Mx	.037	.25
40	MP3C	X	40.352	5.25
41	MP3C	Z	-23.297	5.25
42	MP3C	Mx	.037	5.25
43	MP4B	X	8.158	1.42
44	MP4B	Z	-4.71	1.42
45	MP4B	Mx	.003	1.42
46	MP4B	X	8.158	3.42
47	MP4B	Z	-4.71	3.42
48	MP4B	Mx	.003	3.42
49	MP4C	X	14.063	1.42
50	MP4C	Z	-8.119	1.42
51	MP4C	Mx	.001	1.42
52	MP4C	X	14.063	3.42
53	MP4C	Z	-8.119	3.42
54	MP4C	Mx	.001	3.42
55	MP5A	X	8.158	1.42
56	MP5A	Z	-4.71	1.42
57	MP5A	Mx	-.003	1.42
58	MP5A	X	8.158	3.42
59	MP5A	Z	-4.71	3.42
60	MP5A	Mx	-.003	3.42
61	MP2A	X	9.325	1.6
62	MP2A	Z	-5.384	1.6
63	MP2A	Mx	.006	1.6
64	MP3B	X	9.325	1.6
65	MP3B	Z	-5.384	1.6
66	MP3B	Mx	-.006	1.6
67	MP3C	X	11.965	1.6
68	MP3C	Z	-6.908	1.6
69	MP3C	Mx	-.002	1.6
70	MP2B	X	8.279	1.5
71	MP2B	Z	-4.78	1.5
72	MP2B	Mx	-.006	1.5
73	MP2C	X	12.076	1.5
74	MP2C	Z	-6.972	1.5
75	MP2C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3A	X	8.279	1.5
77	MP3A	Z	-4.78	1.5
78	MP3A	Mx	.006	1.5
79	MP4A	X	20.743	1
80	MP4A	Z	-11.976	1
81	MP4A	Mx	.021	1
82	MP2B	X	11.5	.25
83	MP2B	Z	-6.64	.25
84	MP2B	Mx	.005	.25
85	MP2B	X	11.5	5.25
86	MP2B	Z	-6.64	5.25
87	MP2B	Mx	.005	5.25
88	MP2C	X	12.704	.25
89	MP2C	Z	-7.335	.25
90	MP2C	Mx	0	.25
91	MP2C	X	12.704	5.25
92	MP2C	Z	-7.335	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	11.5	.25
95	MP3A	Z	-6.64	.25
96	MP3A	Mx	-.005	.25
97	MP3A	X	11.5	5.25
98	MP3A	Z	-6.64	5.25
99	MP3A	Mx	-.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.676	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4
4	MP3B	X	7.676	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4
7	MP2A	X	35.85	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.03	.5
10	MP2A	X	35.85	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.03	5.5
13	MP2A	X	35.85	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	-.03	.5
16	MP2A	X	35.85	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	-.03	5.5
19	MP3B	X	44.159	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	.044	.25
22	MP3B	X	44.159	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	.044	5.25
25	MP3C	X	42.351	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	.001	.25
28	MP3C	X	42.351	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	.001	5.25
31	MP3B	X	44.159	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3B	Z	0	.25
33	MP3B	Mx	-.007	.25
34	MP3B	X	44.159	5.25
35	MP3B	Z	0	5.25
36	MP3B	Mx	-.007	5.25
37	MP3C	X	42.351	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	.044	.25
40	MP3C	X	42.351	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	.044	5.25
43	MP4B	X	14.156	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	.003	1.42
46	MP4B	X	14.156	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	.003	3.42
49	MP4C	X	12.611	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	.003	1.42
52	MP4C	X	12.611	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	.003	3.42
55	MP5A	X	7.052	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	-.003	1.42
58	MP5A	X	7.052	3.42
59	MP5A	Z	0	3.42
60	MP5A	Mx	-.003	3.42
61	MP2A	X	9.708	1.6
62	MP2A	Z	0	1.6
63	MP2A	Mx	.006	1.6
64	MP3B	X	12.885	1.6
65	MP3B	Z	0	1.6
66	MP3B	Mx	-.004	1.6
67	MP3C	X	12.194	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	-.005	1.6
70	MP2B	X	12.483	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.004	1.5
73	MP2C	X	12.483	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	-.004	1.5
76	MP3A	X	8.099	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	.005	1.5
79	MP4A	X	22.395	1
80	MP4A	Z	0	1
81	MP4A	Mx	.022	1
82	MP2B	X	14.206	.25
83	MP2B	Z	0	.25
84	MP2B	Mx	.003	.25
85	MP2B	X	14.206	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	.003	5.25
88	MP2C	X	14.206	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2C	X	14.206	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	.003	5.25
94	MP3A	X	12.816	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.005	.25
97	MP3A	X	12.816	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	-.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.615	4
2	MP2A	Z	3.242	4
3	MP2A	Mx	-.002	4
4	MP3B	X	5.615	4
5	MP3B	Z	3.242	4
6	MP3B	Mx	-.002	4
7	MP2A	X	33.446	.5
8	MP2A	Z	19.31	.5
9	MP2A	Mx	-.041	.5
10	MP2A	X	33.446	5.5
11	MP2A	Z	19.31	5.5
12	MP2A	Mx	-.041	5.5
13	MP2A	X	33.446	.5
14	MP2A	Z	19.31	.5
15	MP2A	Mx	-.015	.5
16	MP2A	X	33.446	5.5
17	MP2A	Z	19.31	5.5
18	MP2A	Mx	-.015	5.5
19	MP3B	X	40.641	.25
20	MP3B	Z	23.464	.25
21	MP3B	Mx	.031	.25
22	MP3B	X	40.641	5.25
23	MP3B	Z	23.464	5.25
24	MP3B	Mx	.031	5.25
25	MP3C	X	32.169	.25
26	MP3C	Z	18.573	.25
27	MP3C	Mx	.021	.25
28	MP3C	X	32.169	5.25
29	MP3C	Z	18.573	5.25
30	MP3C	Mx	.021	5.25
31	MP3B	X	40.641	.25
32	MP3B	Z	23.464	.25
33	MP3B	Mx	-.031	.25
34	MP3B	X	40.641	5.25
35	MP3B	Z	23.464	5.25
36	MP3B	Mx	-.031	5.25
37	MP3C	X	32.169	.25
38	MP3C	Z	18.573	.25
39	MP3C	Mx	.038	.25
40	MP3C	X	32.169	5.25
41	MP3C	Z	18.573	5.25
42	MP3C	Mx	.038	5.25
43	MP4B	X	14.31	1.42
44	MP4B	Z	8.262	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	14.31	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	8.262	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	7.067	1.42
50	MP4C	Z	4.08	1.42
51	MP4C	Mx	.003	1.42
52	MP4C	X	7.067	3.42
53	MP4C	Z	4.08	3.42
54	MP4C	Mx	.003	3.42
55	MP5A	X	8.158	1.42
56	MP5A	Z	4.71	1.42
57	MP5A	Mx	-.003	1.42
58	MP5A	X	8.158	3.42
59	MP5A	Z	4.71	3.42
60	MP5A	Mx	-.003	3.42
61	MP2A	X	9.325	1.6
62	MP2A	Z	5.384	1.6
63	MP2A	Mx	.006	1.6
64	MP3B	X	12.076	1.6
65	MP3B	Z	6.972	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	8.837	1.6
68	MP3C	Z	5.102	1.6
69	MP3C	Mx	-.006	1.6
70	MP2B	X	12.076	1.5
71	MP2B	Z	6.972	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	8.279	1.5
74	MP2C	Z	4.78	1.5
75	MP2C	Mx	-.006	1.5
76	MP3A	X	8.279	1.5
77	MP3A	Z	4.78	1.5
78	MP3A	Mx	.006	1.5
79	MP4A	X	20.743	1
80	MP4A	Z	11.976	1
81	MP4A	Mx	.021	1
82	MP2B	X	12.704	.25
83	MP2B	Z	7.335	.25
84	MP2B	Mx	0	.25
85	MP2B	X	12.704	5.25
86	MP2B	Z	7.335	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	11.5	.25
89	MP2C	Z	6.64	.25
90	MP2C	Mx	.005	.25
91	MP2C	X	11.5	5.25
92	MP2C	Z	6.64	5.25
93	MP2C	Mx	.005	5.25
94	MP3A	X	11.5	.25
95	MP3A	Z	6.64	.25
96	MP3A	Mx	-.005	.25
97	MP3A	X	11.5	5.25
98	MP3A	Z	6.64	5.25
99	MP3A	Mx	-.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.049	4
2	MP2A	Z	3.549	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.002	4
4	MP3B	X	2.049	4
5	MP3B	Z	3.549	4
6	MP3B	Mx	-.002	4
7	MP2A	X	22.079	.5
8	MP2A	Z	38.242	.5
9	MP2A	Mx	-.044	.5
10	MP2A	X	22.079	5.5
11	MP2A	Z	38.242	5.5
12	MP2A	Mx	-.044	5.5
13	MP2A	X	22.079	.5
14	MP2A	Z	38.242	.5
15	MP2A	Mx	.007	.5
16	MP2A	X	22.079	5.5
17	MP2A	Z	38.242	5.5
18	MP2A	Mx	.007	5.5
19	MP3B	X	22.079	.25
20	MP3B	Z	38.242	.25
21	MP3B	Mx	.007	.25
22	MP3B	X	22.079	5.25
23	MP3B	Z	38.242	5.25
24	MP3B	Mx	.007	5.25
25	MP3C	X	18.092	.25
26	MP3C	Z	31.337	.25
27	MP3C	Mx	.034	.25
28	MP3C	X	18.092	5.25
29	MP3C	Z	31.337	5.25
30	MP3C	Mx	.034	5.25
31	MP3B	X	22.079	.25
32	MP3B	Z	38.242	.25
33	MP3B	Mx	-.044	.25
34	MP3B	X	22.079	5.25
35	MP3B	Z	38.242	5.25
36	MP3B	Mx	-.044	5.25
37	MP3C	X	18.092	.25
38	MP3C	Z	31.337	.25
39	MP3C	Mx	.026	.25
40	MP3C	X	18.092	5.25
41	MP3C	Z	31.337	5.25
42	MP3C	Mx	.026	5.25
43	MP4B	X	7.078	1.42
44	MP4B	Z	12.26	1.42
45	MP4B	Mx	-.003	1.42
46	MP4B	X	7.078	3.42
47	MP4B	Z	12.26	3.42
48	MP4B	Mx	-.003	3.42
49	MP4C	X	3.669	1.42
50	MP4C	Z	6.355	1.42
51	MP4C	Mx	.003	1.42
52	MP4C	X	3.669	3.42
53	MP4C	Z	6.355	3.42
54	MP4C	Mx	.003	3.42
55	MP5A	X	7.078	1.42
56	MP5A	Z	12.26	1.42
57	MP5A	Mx	-.003	1.42
58	MP5A	X	7.078	3.42
59	MP5A	Z	12.26	3.42
60	MP5A	Mx	-.003	3.42
61	MP2A	X	6.443	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2A	Z	11.159	1.6
63	MP2A	Mx	.004	1.6
64	MP3B	X	6.443	1.6
65	MP3B	Z	11.159	1.6
66	MP3B	Mx	.004	1.6
67	MP3C	X	4.918	1.6
68	MP3C	Z	8.518	1.6
69	MP3C	Mx	-.006	1.6
70	MP2B	X	6.241	1.5
71	MP2B	Z	10.81	1.5
72	MP2B	Mx	.004	1.5
73	MP2C	X	4.049	1.5
74	MP2C	Z	7.014	1.5
75	MP2C	Mx	-.005	1.5
76	MP3A	X	6.241	1.5
77	MP3A	Z	10.81	1.5
78	MP3A	Mx	.004	1.5
79	MP4A	X	13.534	1
80	MP4A	Z	23.441	1
81	MP4A	Mx	.014	1
82	MP2B	X	7.103	.25
83	MP2B	Z	12.303	.25
84	MP2B	Mx	-.003	.25
85	MP2B	X	7.103	5.25
86	MP2B	Z	12.303	5.25
87	MP2B	Mx	-.003	5.25
88	MP2C	X	6.408	.25
89	MP2C	Z	11.099	.25
90	MP2C	Mx	.005	.25
91	MP2C	X	6.408	5.25
92	MP2C	Z	11.099	5.25
93	MP2C	Mx	.005	5.25
94	MP3A	X	7.103	.25
95	MP3A	Z	12.303	.25
96	MP3A	Mx	-.003	.25
97	MP3A	X	7.103	5.25
98	MP3A	Z	12.303	5.25
99	MP3A	Mx	-.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	2.906	4
3	MP2A	Mx	-.001	4
4	MP3B	X	0	4
5	MP3B	Z	2.906	4
6	MP3B	Mx	-.001	4
7	MP2A	X	0	.5
8	MP2A	Z	46.928	.5
9	MP2A	Mx	-.031	.5
10	MP2A	X	0	5.5
11	MP2A	Z	46.928	5.5
12	MP2A	Mx	-.031	5.5
13	MP2A	X	0	.5
14	MP2A	Z	46.928	.5
15	MP2A	Mx	.031	.5
16	MP2A	X	0	5.5
17	MP2A	Z	46.928	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	.031	5.5
19	MP3B	X	0	.25
20	MP3B	Z	38.62	.25
21	MP3B	Mx	-.015	.25
22	MP3B	X	0	5.25
23	MP3B	Z	38.62	5.25
24	MP3B	Mx	-.015	5.25
25	MP3C	X	0	.25
26	MP3C	Z	40.427	.25
27	MP3C	Mx	.043	.25
28	MP3C	X	0	5.25
29	MP3C	Z	40.427	5.25
30	MP3C	Mx	.043	5.25
31	MP3B	X	0	.25
32	MP3B	Z	38.62	.25
33	MP3B	Mx	-.041	.25
34	MP3B	X	0	5.25
35	MP3B	Z	38.62	5.25
36	MP3B	Mx	-.041	5.25
37	MP3C	X	0	.25
38	MP3C	Z	40.427	.25
39	MP3C	Mx	.008	.25
40	MP3C	X	0	5.25
41	MP3C	Z	40.427	5.25
42	MP3C	Mx	.008	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	9.42	1.42
45	MP4B	Mx	-.003	1.42
46	MP4B	X	0	3.42
47	MP4B	Z	9.42	3.42
48	MP4B	Mx	-.003	3.42
49	MP4C	X	0	1.42
50	MP4C	Z	10.966	1.42
51	MP4C	Mx	.004	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	10.966	3.42
54	MP4C	Mx	.004	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	16.524	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	16.524	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	13.944	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	10.767	1.6
66	MP3B	Mx	.006	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	11.459	1.6
69	MP3C	Mx	-.006	1.6
70	MP2B	X	0	1.5
71	MP2B	Z	9.56	1.5
72	MP2B	Mx	.006	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	9.56	1.5
75	MP2C	Mx	-.006	1.5
76	MP3A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3A	Z	13.944	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1
80	MP4A	Z	28.625	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	13.279	.25
84	MP2B	Mx	-.005	.25
85	MP2B	X	0	5.25
86	MP2B	Z	13.279	5.25
87	MP2B	Mx	-.005	5.25
88	MP2C	X	0	.25
89	MP2C	Z	13.279	.25
90	MP2C	Mx	.005	.25
91	MP2C	X	0	5.25
92	MP2C	Z	13.279	5.25
93	MP2C	Mx	.005	5.25
94	MP3A	X	0	.25
95	MP3A	Z	14.67	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25
98	MP3A	Z	14.67	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.049	4
2	MP2A	Z	3.549	4
3	MP2A	Mx	-.002	4
4	MP3B	X	-2.049	4
5	MP3B	Z	3.549	4
6	MP3B	Mx	-.002	4
7	MP2A	X	-22.079	.5
8	MP2A	Z	38.242	.5
9	MP2A	Mx	-.007	.5
10	MP2A	X	-22.079	5.5
11	MP2A	Z	38.242	5.5
12	MP2A	Mx	-.007	5.5
13	MP2A	X	-22.079	.5
14	MP2A	Z	38.242	.5
15	MP2A	Mx	.044	.5
16	MP2A	X	-22.079	5.5
17	MP2A	Z	38.242	5.5
18	MP2A	Mx	.044	5.5
19	MP3B	X	-17.925	.25
20	MP3B	Z	31.047	.25
21	MP3B	Mx	-.03	.25
22	MP3B	X	-17.925	5.25
23	MP3B	Z	31.047	5.25
24	MP3B	Mx	-.03	5.25
25	MP3C	X	-22.816	.25
26	MP3C	Z	39.519	.25
27	MP3C	Mx	.042	.25
28	MP3C	X	-22.816	5.25
29	MP3C	Z	39.519	5.25
30	MP3C	Mx	.042	5.25
31	MP3B	X	-17.925	.25
32	MP3B	Z	31.047	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3B	Mx	-.03	.25
34	MP3B	X	-17.925	5.25
35	MP3B	Z	31.047	5.25
36	MP3B	Mx	-.03	5.25
37	MP3C	X	-22.816	.25
38	MP3C	Z	39.519	.25
39	MP3C	Mx	-.016	.25
40	MP3C	X	-22.816	5.25
41	MP3C	Z	39.519	5.25
42	MP3C	Mx	-.016	5.25
43	MP4B	X	-3.526	1.42
44	MP4B	Z	6.107	1.42
45	MP4B	Mx	-.003	1.42
46	MP4B	X	-3.526	3.42
47	MP4B	Z	6.107	3.42
48	MP4B	Mx	-.003	3.42
49	MP4C	X	-7.708	1.42
50	MP4C	Z	13.351	1.42
51	MP4C	Mx	.002	1.42
52	MP4C	X	-7.708	3.42
53	MP4C	Z	13.351	3.42
54	MP4C	Mx	.002	3.42
55	MP5A	X	-7.078	1.42
56	MP5A	Z	12.26	1.42
57	MP5A	Mx	.003	1.42
58	MP5A	X	-7.078	3.42
59	MP5A	Z	12.26	3.42
60	MP5A	Mx	.003	3.42
61	MP2A	X	-6.443	1.6
62	MP2A	Z	11.159	1.6
63	MP2A	Mx	-.004	1.6
64	MP3B	X	-4.854	1.6
65	MP3B	Z	8.408	1.6
66	MP3B	Mx	.006	1.6
67	MP3C	X	-6.724	1.6
68	MP3C	Z	11.647	1.6
69	MP3C	Mx	-.003	1.6
70	MP2B	X	-4.049	1.5
71	MP2B	Z	7.014	1.5
72	MP2B	Mx	.005	1.5
73	MP2C	X	-6.241	1.5
74	MP2C	Z	10.81	1.5
75	MP2C	Mx	-.004	1.5
76	MP3A	X	-6.241	1.5
77	MP3A	Z	10.81	1.5
78	MP3A	Mx	-.004	1.5
79	MP4A	X	-13.534	1
80	MP4A	Z	23.441	1
81	MP4A	Mx	-.014	1
82	MP2B	X	-6.408	.25
83	MP2B	Z	11.099	.25
84	MP2B	Mx	-.005	.25
85	MP2B	X	-6.408	5.25
86	MP2B	Z	11.099	5.25
87	MP2B	Mx	-.005	5.25
88	MP2C	X	-7.103	.25
89	MP2C	Z	12.303	.25
90	MP2C	Mx	.003	.25
91	MP2C	X	-7.103	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2C	Z	12.303	5.25
93	MP2C	Mx	.003	5.25
94	MP3A	X	-7.103	.25
95	MP3A	Z	12.303	.25
96	MP3A	Mx	.003	.25
97	MP3A	X	-7.103	5.25
98	MP3A	Z	12.303	5.25
99	MP3A	Mx	.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.615	4
2	MP2A	Z	3.242	4
3	MP2A	Mx	-.002	4
4	MP3B	X	-5.615	4
5	MP3B	Z	3.242	4
6	MP3B	Mx	-.002	4
7	MP2A	X	-33.446	.5
8	MP2A	Z	19.31	.5
9	MP2A	Mx	.015	.5
10	MP2A	X	-33.446	5.5
11	MP2A	Z	19.31	5.5
12	MP2A	Mx	.015	5.5
13	MP2A	X	-33.446	.5
14	MP2A	Z	19.31	.5
15	MP2A	Mx	.041	.5
16	MP2A	X	-33.446	5.5
17	MP2A	Z	19.31	5.5
18	MP2A	Mx	.041	5.5
19	MP3B	X	-33.446	.25
20	MP3B	Z	19.31	.25
21	MP3B	Mx	-.041	.25
22	MP3B	X	-33.446	5.25
23	MP3B	Z	19.31	5.25
24	MP3B	Mx	-.041	5.25
25	MP3C	X	-40.352	.25
26	MP3C	Z	23.297	.25
27	MP3C	Mx	.024	.25
28	MP3C	X	-40.352	5.25
29	MP3C	Z	23.297	5.25
30	MP3C	Mx	.024	5.25
31	MP3B	X	-33.446	.25
32	MP3B	Z	19.31	.25
33	MP3B	Mx	-.015	.25
34	MP3B	X	-33.446	5.25
35	MP3B	Z	19.31	5.25
36	MP3B	Mx	-.015	5.25
37	MP3C	X	-40.352	.25
38	MP3C	Z	23.297	.25
39	MP3C	Mx	-.037	.25
40	MP3C	X	-40.352	5.25
41	MP3C	Z	23.297	5.25
42	MP3C	Mx	-.037	5.25
43	MP4B	X	-8.158	1.42
44	MP4B	Z	4.71	1.42
45	MP4B	Mx	-.003	1.42
46	MP4B	X	-8.158	3.42
47	MP4B	Z	4.71	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	-.003	3.42
49	MP4C	X	-14.063	1.42
50	MP4C	Z	8.119	1.42
51	MP4C	Mx	-.001	1.42
52	MP4C	X	-14.063	3.42
53	MP4C	Z	8.119	3.42
54	MP4C	Mx	-.001	3.42
55	MP5A	X	-8.158	1.42
56	MP5A	Z	4.71	1.42
57	MP5A	Mx	.003	1.42
58	MP5A	X	-8.158	3.42
59	MP5A	Z	4.71	3.42
60	MP5A	Mx	.003	3.42
61	MP2A	X	-9.325	1.6
62	MP2A	Z	5.384	1.6
63	MP2A	Mx	-.006	1.6
64	MP3B	X	-9.325	1.6
65	MP3B	Z	5.384	1.6
66	MP3B	Mx	.006	1.6
67	MP3C	X	-11.965	1.6
68	MP3C	Z	6.908	1.6
69	MP3C	Mx	.002	1.6
70	MP2B	X	-8.279	1.5
71	MP2B	Z	4.78	1.5
72	MP2B	Mx	.006	1.5
73	MP2C	X	-12.076	1.5
74	MP2C	Z	6.972	1.5
75	MP2C	Mx	0	1.5
76	MP3A	X	-8.279	1.5
77	MP3A	Z	4.78	1.5
78	MP3A	Mx	-.006	1.5
79	MP4A	X	-20.743	1
80	MP4A	Z	11.976	1
81	MP4A	Mx	-.021	1
82	MP2B	X	-11.5	.25
83	MP2B	Z	6.64	.25
84	MP2B	Mx	-.005	.25
85	MP2B	X	-11.5	5.25
86	MP2B	Z	6.64	5.25
87	MP2B	Mx	-.005	5.25
88	MP2C	X	-12.704	.25
89	MP2C	Z	7.335	.25
90	MP2C	Mx	0	.25
91	MP2C	X	-12.704	5.25
92	MP2C	Z	7.335	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	-11.5	.25
95	MP3A	Z	6.64	.25
96	MP3A	Mx	.005	.25
97	MP3A	X	-11.5	5.25
98	MP3A	Z	6.64	5.25
99	MP3A	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.676	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3B	X	-7.676	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4
7	MP2A	X	-35.85	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.03	.5
10	MP2A	X	-35.85	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.03	5.5
13	MP2A	X	-35.85	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.03	.5
16	MP2A	X	-35.85	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	.03	5.5
19	MP3B	X	-44.159	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	-.044	.25
22	MP3B	X	-44.159	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	-.044	5.25
25	MP3C	X	-42.351	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	-.001	.25
28	MP3C	X	-42.351	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	-.001	5.25
31	MP3B	X	-44.159	.25
32	MP3B	Z	0	.25
33	MP3B	Mx	.007	.25
34	MP3B	X	-44.159	5.25
35	MP3B	Z	0	5.25
36	MP3B	Mx	.007	5.25
37	MP3C	X	-42.351	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	-.044	.25
40	MP3C	X	-42.351	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	-.044	5.25
43	MP4B	X	-14.156	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	-.003	1.42
46	MP4B	X	-14.156	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	-.003	3.42
49	MP4C	X	-12.611	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	-.003	1.42
52	MP4C	X	-12.611	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	-.003	3.42
55	MP5A	X	-7.052	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	.003	1.42
58	MP5A	X	-7.052	3.42
59	MP5A	Z	0	3.42
60	MP5A	Mx	.003	3.42
61	MP2A	X	-9.708	1.6
62	MP2A	Z	0	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2A	Mx	-.006	1.6
64	MP3B	X	-12.885	1.6
65	MP3B	Z	0	1.6
66	MP3B	Mx	.004	1.6
67	MP3C	X	-12.194	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	.005	1.6
70	MP2B	X	-12.483	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.004	1.5
73	MP2C	X	-12.483	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	.004	1.5
76	MP3A	X	-8.099	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	-.005	1.5
79	MP4A	X	-22.395	1
80	MP4A	Z	0	1
81	MP4A	Mx	-.022	1
82	MP2B	X	-14.206	.25
83	MP2B	Z	0	.25
84	MP2B	Mx	-.003	.25
85	MP2B	X	-14.206	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	-.003	5.25
88	MP2C	X	-14.206	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	-.003	.25
91	MP2C	X	-14.206	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	-.003	5.25
94	MP3A	X	-12.816	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.005	.25
97	MP3A	X	-12.816	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.615	4
2	MP2A	Z	-3.242	4
3	MP2A	Mx	.002	4
4	MP3B	X	-5.615	4
5	MP3B	Z	-3.242	4
6	MP3B	Mx	.002	4
7	MP2A	X	-33.446	.5
8	MP2A	Z	-19.31	.5
9	MP2A	Mx	.041	.5
10	MP2A	X	-33.446	5.5
11	MP2A	Z	-19.31	5.5
12	MP2A	Mx	.041	5.5
13	MP2A	X	-33.446	.5
14	MP2A	Z	-19.31	.5
15	MP2A	Mx	.015	.5
16	MP2A	X	-33.446	5.5
17	MP2A	Z	-19.31	5.5
18	MP2A	Mx	.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3B	X	-40.641	.25
20	MP3B	Z	-23.464	.25
21	MP3B	Mx	-.031	.25
22	MP3B	X	-40.641	5.25
23	MP3B	Z	-23.464	5.25
24	MP3B	Mx	-.031	5.25
25	MP3C	X	-32.169	.25
26	MP3C	Z	-18.573	.25
27	MP3C	Mx	-.021	.25
28	MP3C	X	-32.169	5.25
29	MP3C	Z	-18.573	5.25
30	MP3C	Mx	-.021	5.25
31	MP3B	X	-40.641	.25
32	MP3B	Z	-23.464	.25
33	MP3B	Mx	.031	.25
34	MP3B	X	-40.641	5.25
35	MP3B	Z	-23.464	5.25
36	MP3B	Mx	.031	5.25
37	MP3C	X	-32.169	.25
38	MP3C	Z	-18.573	.25
39	MP3C	Mx	-.038	.25
40	MP3C	X	-32.169	5.25
41	MP3C	Z	-18.573	5.25
42	MP3C	Mx	-.038	5.25
43	MP4B	X	-14.31	1.42
44	MP4B	Z	-8.262	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	-14.31	3.42
47	MP4B	Z	-8.262	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	-7.067	1.42
50	MP4C	Z	-4.08	1.42
51	MP4C	Mx	-.003	1.42
52	MP4C	X	-7.067	3.42
53	MP4C	Z	-4.08	3.42
54	MP4C	Mx	-.003	3.42
55	MP5A	X	-8.158	1.42
56	MP5A	Z	-4.71	1.42
57	MP5A	Mx	.003	1.42
58	MP5A	X	-8.158	3.42
59	MP5A	Z	-4.71	3.42
60	MP5A	Mx	.003	3.42
61	MP2A	X	-9.325	1.6
62	MP2A	Z	-5.384	1.6
63	MP2A	Mx	-.006	1.6
64	MP3B	X	-12.076	1.6
65	MP3B	Z	-6.972	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	-8.837	1.6
68	MP3C	Z	-5.102	1.6
69	MP3C	Mx	.006	1.6
70	MP2B	X	-12.076	1.5
71	MP2B	Z	-6.972	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	-8.279	1.5
74	MP2C	Z	-4.78	1.5
75	MP2C	Mx	.006	1.5
76	MP3A	X	-8.279	1.5
77	MP3A	Z	-4.78	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3A	Mx	-.006	1.5
79	MP4A	X	-20.743	1
80	MP4A	Z	-11.976	1
81	MP4A	Mx	-.021	1
82	MP2B	X	-12.704	.25
83	MP2B	Z	-7.335	.25
84	MP2B	Mx	0	.25
85	MP2B	X	-12.704	5.25
86	MP2B	Z	-7.335	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	-11.5	.25
89	MP2C	Z	-6.64	.25
90	MP2C	Mx	-.005	.25
91	MP2C	X	-11.5	5.25
92	MP2C	Z	-6.64	5.25
93	MP2C	Mx	-.005	5.25
94	MP3A	X	-11.5	.25
95	MP3A	Z	-6.64	.25
96	MP3A	Mx	.005	.25
97	MP3A	X	-11.5	5.25
98	MP3A	Z	-6.64	5.25
99	MP3A	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.049	4
2	MP2A	Z	-3.549	4
3	MP2A	Mx	.002	4
4	MP3B	X	-2.049	4
5	MP3B	Z	-3.549	4
6	MP3B	Mx	.002	4
7	MP2A	X	-22.079	.5
8	MP2A	Z	-38.242	.5
9	MP2A	Mx	.044	.5
10	MP2A	X	-22.079	5.5
11	MP2A	Z	-38.242	5.5
12	MP2A	Mx	.044	5.5
13	MP2A	X	-22.079	.5
14	MP2A	Z	-38.242	.5
15	MP2A	Mx	-.007	.5
16	MP2A	X	-22.079	5.5
17	MP2A	Z	-38.242	5.5
18	MP2A	Mx	-.007	5.5
19	MP3B	X	-22.079	.25
20	MP3B	Z	-38.242	.25
21	MP3B	Mx	-.007	.25
22	MP3B	X	-22.079	5.25
23	MP3B	Z	-38.242	5.25
24	MP3B	Mx	-.007	5.25
25	MP3C	X	-18.092	.25
26	MP3C	Z	-31.337	.25
27	MP3C	Mx	-.034	.25
28	MP3C	X	-18.092	5.25
29	MP3C	Z	-31.337	5.25
30	MP3C	Mx	-.034	5.25
31	MP3B	X	-22.079	.25
32	MP3B	Z	-38.242	.25
33	MP3B	Mx	.044	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	-22.079	5.25
35	MP3B	Z	-38.242	5.25
36	MP3B	Mx	.044	5.25
37	MP3C	X	-18.092	.25
38	MP3C	Z	-31.337	.25
39	MP3C	Mx	-.026	.25
40	MP3C	X	-18.092	5.25
41	MP3C	Z	-31.337	5.25
42	MP3C	Mx	-.026	5.25
43	MP4B	X	-7.078	1.42
44	MP4B	Z	-12.26	1.42
45	MP4B	Mx	.003	1.42
46	MP4B	X	-7.078	3.42
47	MP4B	Z	-12.26	3.42
48	MP4B	Mx	.003	3.42
49	MP4C	X	-3.669	1.42
50	MP4C	Z	-6.355	1.42
51	MP4C	Mx	-.003	1.42
52	MP4C	X	-3.669	3.42
53	MP4C	Z	-6.355	3.42
54	MP4C	Mx	-.003	3.42
55	MP5A	X	-7.078	1.42
56	MP5A	Z	-12.26	1.42
57	MP5A	Mx	.003	1.42
58	MP5A	X	-7.078	3.42
59	MP5A	Z	-12.26	3.42
60	MP5A	Mx	.003	3.42
61	MP2A	X	-6.443	1.6
62	MP2A	Z	-11.159	1.6
63	MP2A	Mx	-.004	1.6
64	MP3B	X	-6.443	1.6
65	MP3B	Z	-11.159	1.6
66	MP3B	Mx	-.004	1.6
67	MP3C	X	-4.918	1.6
68	MP3C	Z	-8.518	1.6
69	MP3C	Mx	.006	1.6
70	MP2B	X	-6.241	1.5
71	MP2B	Z	-10.81	1.5
72	MP2B	Mx	-.004	1.5
73	MP2C	X	-4.049	1.5
74	MP2C	Z	-7.014	1.5
75	MP2C	Mx	.005	1.5
76	MP3A	X	-6.241	1.5
77	MP3A	Z	-10.81	1.5
78	MP3A	Mx	-.004	1.5
79	MP4A	X	-13.534	1
80	MP4A	Z	-23.441	1
81	MP4A	Mx	-.014	1
82	MP2B	X	-7.103	.25
83	MP2B	Z	-12.303	.25
84	MP2B	Mx	.003	.25
85	MP2B	X	-7.103	5.25
86	MP2B	Z	-12.303	5.25
87	MP2B	Mx	.003	5.25
88	MP2C	X	-6.408	.25
89	MP2C	Z	-11.099	.25
90	MP2C	Mx	-.005	.25
91	MP2C	X	-6.408	5.25
92	MP2C	Z	-11.099	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP2C	Mx	-.005	5.25
94	MP3A	X	-7.103	.25
95	MP3A	Z	-12.303	.25
96	MP3A	Mx	.003	.25
97	MP3A	X	-7.103	5.25
98	MP3A	Z	-12.303	5.25
99	MP3A	Mx	.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	-.651	4
3	MP2A	Mx	.000326	4
4	MP3B	X	0	4
5	MP3B	Z	-.651	4
6	MP3B	Mx	.000326	4
7	MP2A	X	0	.5
8	MP2A	Z	-7.107	.5
9	MP2A	Mx	.005	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-7.107	5.5
12	MP2A	Mx	.005	5.5
13	MP2A	X	0	.5
14	MP2A	Z	-7.107	.5
15	MP2A	Mx	-.005	.5
16	MP2A	X	0	5.5
17	MP2A	Z	-7.107	5.5
18	MP2A	Mx	-.005	5.5
19	MP3B	X	0	.25
20	MP3B	Z	-5.766	.25
21	MP3B	Mx	.002	.25
22	MP3B	X	0	5.25
23	MP3B	Z	-5.766	5.25
24	MP3B	Mx	.002	5.25
25	MP3C	X	0	.25
26	MP3C	Z	-6.058	.25
27	MP3C	Mx	-.006	.25
28	MP3C	X	0	5.25
29	MP3C	Z	-6.058	5.25
30	MP3C	Mx	-.006	5.25
31	MP3B	X	0	.25
32	MP3B	Z	-5.766	.25
33	MP3B	Mx	.006	.25
34	MP3B	X	0	5.25
35	MP3B	Z	-5.766	5.25
36	MP3B	Mx	.006	5.25
37	MP3C	X	0	.25
38	MP3C	Z	-6.058	.25
39	MP3C	Mx	-.001	.25
40	MP3C	X	0	5.25
41	MP3C	Z	-6.058	5.25
42	MP3C	Mx	-.001	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	-2.226	1.42
45	MP4B	Mx	.000803	1.42
46	MP4B	X	0	3.42
47	MP4B	Z	-2.226	3.42
48	MP4B	Mx	.000803	3.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	0	1.42
50	MP4C	Z	-2.695	1.42
51	MP4C	Mx	-.00086	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	-2.695	3.42
54	MP4C	Mx	-.00086	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	-4.38	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	-4.38	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	-3.464	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	-2.609	1.6
66	MP3B	Mx	-.002	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	-2.795	1.6
69	MP3C	Mx	.001	1.6
70	MP2B	X	0	1.5
71	MP2B	Z	-2.291	1.5
72	MP2B	Mx	-.001	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	-2.291	1.5
75	MP2C	Mx	.001	1.5
76	MP3A	X	0	1.5
77	MP3A	Z	-3.464	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1
80	MP4A	Z	-9.073	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	-3.307	.25
84	MP2B	Mx	.001	.25
85	MP2B	X	0	5.25
86	MP2B	Z	-3.307	5.25
87	MP2B	Mx	.001	5.25
88	MP2C	X	0	.25
89	MP2C	Z	-3.307	.25
90	MP2C	Mx	-.001	.25
91	MP2C	X	0	5.25
92	MP2C	Z	-3.307	5.25
93	MP2C	Mx	-.001	5.25
94	MP3A	X	0	.25
95	MP3A	Z	-1.821	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25
98	MP3A	Z	-1.821	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.512	4
2	MP2A	Z	-.887	4
3	MP2A	Mx	.000444	4
4	MP3B	X	.512	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3B	Z	-.887	4
6	MP3B	Mx	.000444	4
7	MP2A	X	3.33	.5
8	MP2A	Z	-5.767	.5
9	MP2A	Mx	.001	.5
10	MP2A	X	3.33	5.5
11	MP2A	Z	-5.767	5.5
12	MP2A	Mx	.001	5.5
13	MP2A	X	3.33	.5
14	MP2A	Z	-5.767	.5
15	MP2A	Mx	-.007	.5
16	MP2A	X	3.33	5.5
17	MP2A	Z	-5.767	5.5
18	MP2A	Mx	-.007	5.5
19	MP3B	X	2.659	.25
20	MP3B	Z	-4.606	.25
21	MP3B	Mx	.004	.25
22	MP3B	X	2.659	5.25
23	MP3B	Z	-4.606	5.25
24	MP3B	Mx	.004	5.25
25	MP3C	X	3.449	.25
26	MP3C	Z	-5.973	.25
27	MP3C	Mx	-.006	.25
28	MP3C	X	3.449	5.25
29	MP3C	Z	-5.973	5.25
30	MP3C	Mx	-.006	5.25
31	MP3B	X	2.659	.25
32	MP3B	Z	-4.606	.25
33	MP3B	Mx	.004	.25
34	MP3B	X	2.659	5.25
35	MP3B	Z	-4.606	5.25
36	MP3B	Mx	.004	5.25
37	MP3C	X	3.449	.25
38	MP3C	Z	-5.973	.25
39	MP3C	Mx	.002	.25
40	MP3C	X	3.449	5.25
41	MP3C	Z	-5.973	5.25
42	MP3C	Mx	.002	5.25
43	MP4B	X	.754	1.42
44	MP4B	Z	-1.306	1.42
45	MP4B	Mx	.000628	1.42
46	MP4B	X	.754	3.42
47	MP4B	Z	-1.306	3.42
48	MP4B	Mx	.000628	3.42
49	MP4C	X	2.022	1.42
50	MP4C	Z	-3.502	1.42
51	MP4C	Mx	-.000576	1.42
52	MP4C	X	2.022	3.42
53	MP4C	Z	-3.502	3.42
54	MP4C	Mx	-.000576	3.42
55	MP5A	X	1.831	1.42
56	MP5A	Z	-3.172	1.42
57	MP5A	Mx	-.000763	1.42
58	MP5A	X	1.831	3.42
59	MP5A	Z	-3.172	3.42
60	MP5A	Mx	-.000763	3.42
61	MP2A	X	1.59	1.6
62	MP2A	Z	-2.753	1.6
63	MP2A	Mx	.001	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3B	X	1.162	1.6
65	MP3B	Z	-2.013	1.6
66	MP3B	Mx	-.002	1.6
67	MP3C	X	1.665	1.6
68	MP3C	Z	-2.884	1.6
69	MP3C	Mx	.000759	1.6
70	MP2B	X	.95	1.5
71	MP2B	Z	-1.645	1.5
72	MP2B	Mx	-.001	1.5
73	MP2C	X	1.536	1.5
74	MP2C	Z	-2.661	1.5
75	MP2C	Mx	.001	1.5
76	MP3A	X	1.536	1.5
77	MP3A	Z	-2.661	1.5
78	MP3A	Mx	.001	1.5
79	MP4A	X	4.268	1
80	MP4A	Z	-7.392	1
81	MP4A	Mx	.004	1
82	MP2B	X	1.901	.25
83	MP2B	Z	-3.293	.25
84	MP2B	Mx	.002	.25
85	MP2B	X	1.901	5.25
86	MP2B	Z	-3.293	5.25
87	MP2B	Mx	.002	5.25
88	MP2C	X	1.158	.25
89	MP2C	Z	-2.006	.25
90	MP2C	Mx	-.000483	.25
91	MP2C	X	1.158	5.25
92	MP2C	Z	-2.006	5.25
93	MP2C	Mx	-.000483	5.25
94	MP3A	X	1.158	.25
95	MP3A	Z	-2.006	.25
96	MP3A	Mx	-.000482	.25
97	MP3A	X	1.158	5.25
98	MP3A	Z	-2.006	5.25
99	MP3A	Mx	-.000482	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.534	4
2	MP2A	Z	-.886	4
3	MP2A	Mx	.000443	4
4	MP3B	X	1.534	4
5	MP3B	Z	-.886	4
6	MP3B	Mx	.000443	4
7	MP2A	X	4.993	.5
8	MP2A	Z	-2.883	.5
9	MP2A	Mx	-.002	.5
10	MP2A	X	4.993	5.5
11	MP2A	Z	-2.883	5.5
12	MP2A	Mx	-.002	5.5
13	MP2A	X	4.993	.5
14	MP2A	Z	-2.883	.5
15	MP2A	Mx	-.006	.5
16	MP2A	X	4.993	5.5
17	MP2A	Z	-2.883	5.5
18	MP2A	Mx	-.006	5.5
19	MP3B	X	4.993	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3B	Z	-2.883	.25
21	MP3B	Mx	.006	.25
22	MP3B	X	4.993	5.25
23	MP3B	Z	-2.883	5.25
24	MP3B	Mx	.006	5.25
25	MP3C	X	6.108	.25
26	MP3C	Z	-3.526	.25
27	MP3C	Mx	-.004	.25
28	MP3C	X	6.108	5.25
29	MP3C	Z	-3.526	5.25
30	MP3C	Mx	-.004	5.25
31	MP3B	X	4.993	.25
32	MP3B	Z	-2.883	.25
33	MP3B	Mx	.002	.25
34	MP3B	X	4.993	5.25
35	MP3B	Z	-2.883	5.25
36	MP3B	Mx	.002	5.25
37	MP3C	X	6.108	.25
38	MP3C	Z	-3.526	.25
39	MP3C	Mx	.006	.25
40	MP3C	X	6.108	5.25
41	MP3C	Z	-3.526	5.25
42	MP3C	Mx	.006	5.25
43	MP4B	X	1.928	1.42
44	MP4B	Z	-1.113	1.42
45	MP4B	Mx	.000803	1.42
46	MP4B	X	1.928	3.42
47	MP4B	Z	-1.113	3.42
48	MP4B	Mx	.000803	3.42
49	MP4C	X	3.718	1.42
50	MP4C	Z	-2.147	1.42
51	MP4C	Mx	.00031	1.42
52	MP4C	X	3.718	3.42
53	MP4C	Z	-2.147	3.42
54	MP4C	Mx	.00031	3.42
55	MP5A	X	1.928	1.42
56	MP5A	Z	-1.113	1.42
57	MP5A	Mx	-.000803	1.42
58	MP5A	X	1.928	3.42
59	MP5A	Z	-1.113	3.42
60	MP5A	Mx	-.000803	3.42
61	MP2A	X	2.26	1.6
62	MP2A	Z	-1.305	1.6
63	MP2A	Mx	.002	1.6
64	MP3B	X	2.26	1.6
65	MP3B	Z	-1.305	1.6
66	MP3B	Mx	-.002	1.6
67	MP3C	X	2.97	1.6
68	MP3C	Z	-1.715	1.6
69	MP3C	Mx	-.000397	1.6
70	MP2B	X	1.984	1.5
71	MP2B	Z	-1.145	1.5
72	MP2B	Mx	-.001	1.5
73	MP2C	X	3	1.5
74	MP2C	Z	-1.732	1.5
75	MP2C	Mx	0	1.5
76	MP3A	X	1.984	1.5
77	MP3A	Z	-1.145	1.5
78	MP3A	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP4A	X	6.461	1
80	MP4A	Z	-3.73	1
81	MP4A	Mx	.006	1
82	MP2B	X	2.864	.25
83	MP2B	Z	-1.654	.25
84	MP2B	Mx	.001	.25
85	MP2B	X	2.864	5.25
86	MP2B	Z	-1.654	5.25
87	MP2B	Mx	.001	5.25
88	MP2C	X	1.577	.25
89	MP2C	Z	-.911	.25
90	MP2C	Mx	0	.25
91	MP2C	X	1.577	5.25
92	MP2C	Z	-.911	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	2.864	.25
95	MP3A	Z	-1.654	.25
96	MP3A	Mx	-.001	.25
97	MP3A	X	2.864	5.25
98	MP3A	Z	-1.654	5.25
99	MP3A	Mx	-.001	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.145	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4
4	MP3B	X	2.145	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4
7	MP2A	X	5.319	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.004	.5
10	MP2A	X	5.319	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.004	5.5
13	MP2A	X	5.319	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	-.004	.5
16	MP2A	X	5.319	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	-.004	5.5
19	MP3B	X	6.66	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	.007	.25
22	MP3B	X	6.66	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	.007	5.25
25	MP3C	X	6.368	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	.000159	.25
28	MP3C	X	6.368	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	.000159	5.25
31	MP3B	X	6.66	.25
32	MP3B	Z	0	.25
33	MP3B	Mx	-.001	.25
34	MP3B	X	6.66	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3B	Z	0	5.25
36	MP3B	Mx	-.001	5.25
37	MP3C	X	6.368	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	.007	.25
40	MP3C	X	6.368	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	.007	5.25
43	MP4B	X	3.662	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	.000763	1.42
46	MP4B	X	3.662	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	.000763	3.42
49	MP4C	X	3.194	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	.000855	1.42
52	MP4C	X	3.194	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	.000855	3.42
55	MP5A	X	1.508	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	-.000628	1.42
58	MP5A	X	1.508	3.42
59	MP5A	Z	0	3.42
60	MP5A	Mx	-.000628	3.42
61	MP2A	X	2.324	1.6
62	MP2A	Z	0	1.6
63	MP2A	Mx	.002	1.6
64	MP3B	X	3.179	1.6
65	MP3B	Z	0	1.6
66	MP3B	Mx	-.001	1.6
67	MP3C	X	2.993	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	-.001	1.6
70	MP2B	X	3.073	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.001	1.5
73	MP2C	X	3.073	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	-.001	1.5
76	MP3A	X	1.9	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	.001	1.5
79	MP4A	X	6.922	1
80	MP4A	Z	0	1
81	MP4A	Mx	.007	1
82	MP2B	X	2.317	.25
83	MP2B	Z	0	.25
84	MP2B	Mx	.000483	.25
85	MP2B	X	2.317	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	.000483	5.25
88	MP2C	X	2.317	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	.000483	.25
91	MP2C	X	2.317	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	.000483	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3A	X	3.802	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.002	.25
97	MP3A	X	3.802	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	-.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.534	4
2	MP2A	Z	.886	4
3	MP2A	Mx	-.000443	4
4	MP3B	X	1.534	4
5	MP3B	Z	.886	4
6	MP3B	Mx	-.000443	4
7	MP2A	X	4.993	.5
8	MP2A	Z	2.883	.5
9	MP2A	Mx	-.006	.5
10	MP2A	X	4.993	5.5
11	MP2A	Z	2.883	5.5
12	MP2A	Mx	-.006	5.5
13	MP2A	X	4.993	.5
14	MP2A	Z	2.883	.5
15	MP2A	Mx	-.002	.5
16	MP2A	X	4.993	5.5
17	MP2A	Z	2.883	5.5
18	MP2A	Mx	-.002	5.5
19	MP3B	X	6.155	.25
20	MP3B	Z	3.553	.25
21	MP3B	Mx	.005	.25
22	MP3B	X	6.155	5.25
23	MP3B	Z	3.553	5.25
24	MP3B	Mx	.005	5.25
25	MP3C	X	4.787	.25
26	MP3C	Z	2.764	.25
27	MP3C	Mx	.003	.25
28	MP3C	X	4.787	5.25
29	MP3C	Z	2.764	5.25
30	MP3C	Mx	.003	5.25
31	MP3B	X	6.155	.25
32	MP3B	Z	3.553	.25
33	MP3B	Mx	-.005	.25
34	MP3B	X	6.155	5.25
35	MP3B	Z	3.553	5.25
36	MP3B	Mx	-.005	5.25
37	MP3C	X	4.787	.25
38	MP3C	Z	2.764	.25
39	MP3C	Mx	.006	.25
40	MP3C	X	4.787	5.25
41	MP3C	Z	2.764	5.25
42	MP3C	Mx	.006	5.25
43	MP4B	X	3.793	1.42
44	MP4B	Z	2.19	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	3.793	3.42
47	MP4B	Z	2.19	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	1.597	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	.922	1.42
51	MP4C	Mx	.000722	1.42
52	MP4C	X	1.597	3.42
53	MP4C	Z	.922	3.42
54	MP4C	Mx	.000722	3.42
55	MP5A	X	1.928	1.42
56	MP5A	Z	1.113	1.42
57	MP5A	Mx	-.000803	1.42
58	MP5A	X	1.928	3.42
59	MP5A	Z	1.113	3.42
60	MP5A	Mx	-.000803	3.42
61	MP2A	X	2.26	1.6
62	MP2A	Z	1.305	1.6
63	MP2A	Mx	.002	1.6
64	MP3B	X	3	1.6
65	MP3B	Z	1.732	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	2.128	1.6
68	MP3C	Z	1.229	1.6
69	MP3C	Mx	-.002	1.6
70	MP2B	X	3	1.5
71	MP2B	Z	1.732	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	1.984	1.5
74	MP2C	Z	1.145	1.5
75	MP2C	Mx	-.001	1.5
76	MP3A	X	1.984	1.5
77	MP3A	Z	1.145	1.5
78	MP3A	Mx	.001	1.5
79	MP4A	X	6.461	1
80	MP4A	Z	3.73	1
81	MP4A	Mx	.006	1
82	MP2B	X	1.577	.25
83	MP2B	Z	.911	.25
84	MP2B	Mx	0	.25
85	MP2B	X	1.577	5.25
86	MP2B	Z	.911	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	2.864	.25
89	MP2C	Z	1.654	.25
90	MP2C	Mx	.001	.25
91	MP2C	X	2.864	5.25
92	MP2C	Z	1.654	5.25
93	MP2C	Mx	.001	5.25
94	MP3A	X	2.864	.25
95	MP3A	Z	1.654	.25
96	MP3A	Mx	-.001	.25
97	MP3A	X	2.864	5.25
98	MP3A	Z	1.654	5.25
99	MP3A	Mx	-.001	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.512	4
2	MP2A	Z	.887	4
3	MP2A	Mx	-.000444	4
4	MP3B	X	.512	4
5	MP3B	Z	.887	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3B	Mx	-.000444	4
7	MP2A	X	3.33	.5
8	MP2A	Z	5.767	.5
9	MP2A	Mx	-.007	.5
10	MP2A	X	3.33	5.5
11	MP2A	Z	5.767	5.5
12	MP2A	Mx	-.007	5.5
13	MP2A	X	3.33	.5
14	MP2A	Z	5.767	.5
15	MP2A	Mx	.001	.5
16	MP2A	X	3.33	5.5
17	MP2A	Z	5.767	5.5
18	MP2A	Mx	.001	5.5
19	MP3B	X	3.33	.25
20	MP3B	Z	5.767	.25
21	MP3B	Mx	.001	.25
22	MP3B	X	3.33	5.25
23	MP3B	Z	5.767	5.25
24	MP3B	Mx	.001	5.25
25	MP3C	X	2.686	.25
26	MP3C	Z	4.653	.25
27	MP3C	Mx	.005	.25
28	MP3C	X	2.686	5.25
29	MP3C	Z	4.653	5.25
30	MP3C	Mx	.005	5.25
31	MP3B	X	3.33	.25
32	MP3B	Z	5.767	.25
33	MP3B	Mx	-.007	.25
34	MP3B	X	3.33	5.25
35	MP3B	Z	5.767	5.25
36	MP3B	Mx	-.007	5.25
37	MP3C	X	2.686	.25
38	MP3C	Z	4.653	.25
39	MP3C	Mx	.004	.25
40	MP3C	X	2.686	5.25
41	MP3C	Z	4.653	5.25
42	MP3C	Mx	.004	5.25
43	MP4B	X	1.831	1.42
44	MP4B	Z	3.172	1.42
45	MP4B	Mx	-.000763	1.42
46	MP4B	X	1.831	3.42
47	MP4B	Z	3.172	3.42
48	MP4B	Mx	-.000763	3.42
49	MP4C	X	.798	1.42
50	MP4C	Z	1.381	1.42
51	MP4C	Mx	.000655	1.42
52	MP4C	X	.798	3.42
53	MP4C	Z	1.381	3.42
54	MP4C	Mx	.000655	3.42
55	MP5A	X	1.831	1.42
56	MP5A	Z	3.172	1.42
57	MP5A	Mx	-.000763	1.42
58	MP5A	X	1.831	3.42
59	MP5A	Z	3.172	3.42
60	MP5A	Mx	-.000763	3.42
61	MP2A	X	1.59	1.6
62	MP2A	Z	2.753	1.6
63	MP2A	Mx	.001	1.6
64	MP3B	X	1.59	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	2.753	1.6
66	MP3B	Mx	.001	1.6
67	MP3C	X	1.179	1.6
68	MP3C	Z	2.043	1.6
69	MP3C	Mx	-.002	1.6
70	MP2B	X	1.536	1.5
71	MP2B	Z	2.661	1.5
72	MP2B	Mx	.001	1.5
73	MP2C	X	.95	1.5
74	MP2C	Z	1.645	1.5
75	MP2C	Mx	-.001	1.5
76	MP3A	X	1.536	1.5
77	MP3A	Z	2.661	1.5
78	MP3A	Mx	.001	1.5
79	MP4A	X	4.268	1
80	MP4A	Z	7.392	1
81	MP4A	Mx	.004	1
82	MP2B	X	1.158	.25
83	MP2B	Z	2.006	.25
84	MP2B	Mx	-.000483	.25
85	MP2B	X	1.158	5.25
86	MP2B	Z	2.006	5.25
87	MP2B	Mx	-.000483	5.25
88	MP2C	X	1.901	.25
89	MP2C	Z	3.293	.25
90	MP2C	Mx	.002	.25
91	MP2C	X	1.901	5.25
92	MP2C	Z	3.293	5.25
93	MP2C	Mx	.002	5.25
94	MP3A	X	1.158	.25
95	MP3A	Z	2.006	.25
96	MP3A	Mx	-.000482	.25
97	MP3A	X	1.158	5.25
98	MP3A	Z	2.006	5.25
99	MP3A	Mx	-.000482	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	4
2	MP2A	Z	.651	4
3	MP2A	Mx	-.000326	4
4	MP3B	X	0	4
5	MP3B	Z	.651	4
6	MP3B	Mx	-.000326	4
7	MP2A	X	0	.5
8	MP2A	Z	7.107	.5
9	MP2A	Mx	-.005	.5
10	MP2A	X	0	5.5
11	MP2A	Z	7.107	5.5
12	MP2A	Mx	-.005	5.5
13	MP2A	X	0	.5
14	MP2A	Z	7.107	.5
15	MP2A	Mx	.005	.5
16	MP2A	X	0	5.5
17	MP2A	Z	7.107	5.5
18	MP2A	Mx	.005	5.5
19	MP3B	X	0	.25
20	MP3B	Z	5.766	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3B	Mx	-.002	.25
22	MP3B	X	0	5.25
23	MP3B	Z	5.766	5.25
24	MP3B	Mx	-.002	5.25
25	MP3C	X	0	.25
26	MP3C	Z	6.058	.25
27	MP3C	Mx	.006	.25
28	MP3C	X	0	5.25
29	MP3C	Z	6.058	5.25
30	MP3C	Mx	.006	5.25
31	MP3B	X	0	.25
32	MP3B	Z	5.766	.25
33	MP3B	Mx	-.006	.25
34	MP3B	X	0	5.25
35	MP3B	Z	5.766	5.25
36	MP3B	Mx	-.006	5.25
37	MP3C	X	0	.25
38	MP3C	Z	6.058	.25
39	MP3C	Mx	.001	.25
40	MP3C	X	0	5.25
41	MP3C	Z	6.058	5.25
42	MP3C	Mx	.001	5.25
43	MP4B	X	0	1.42
44	MP4B	Z	2.226	1.42
45	MP4B	Mx	-.000803	1.42
46	MP4B	X	0	3.42
47	MP4B	Z	2.226	3.42
48	MP4B	Mx	-.000803	3.42
49	MP4C	X	0	1.42
50	MP4C	Z	2.695	1.42
51	MP4C	Mx	.00086	1.42
52	MP4C	X	0	3.42
53	MP4C	Z	2.695	3.42
54	MP4C	Mx	.00086	3.42
55	MP5A	X	0	1.42
56	MP5A	Z	4.38	1.42
57	MP5A	Mx	0	1.42
58	MP5A	X	0	3.42
59	MP5A	Z	4.38	3.42
60	MP5A	Mx	0	3.42
61	MP2A	X	0	1.6
62	MP2A	Z	3.464	1.6
63	MP2A	Mx	0	1.6
64	MP3B	X	0	1.6
65	MP3B	Z	2.609	1.6
66	MP3B	Mx	.002	1.6
67	MP3C	X	0	1.6
68	MP3C	Z	2.795	1.6
69	MP3C	Mx	-.001	1.6
70	MP2B	X	0	1.5
71	MP2B	Z	2.291	1.5
72	MP2B	Mx	.001	1.5
73	MP2C	X	0	1.5
74	MP2C	Z	2.291	1.5
75	MP2C	Mx	-.001	1.5
76	MP3A	X	0	1.5
77	MP3A	Z	3.464	1.5
78	MP3A	Mx	0	1.5
79	MP4A	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	9.073	1
81	MP4A	Mx	0	1
82	MP2B	X	0	.25
83	MP2B	Z	3.307	.25
84	MP2B	Mx	-.001	.25
85	MP2B	X	0	5.25
86	MP2B	Z	3.307	5.25
87	MP2B	Mx	-.001	5.25
88	MP2C	X	0	.25
89	MP2C	Z	3.307	.25
90	MP2C	Mx	.001	.25
91	MP2C	X	0	5.25
92	MP2C	Z	3.307	5.25
93	MP2C	Mx	.001	5.25
94	MP3A	X	0	.25
95	MP3A	Z	1.821	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	5.25
98	MP3A	Z	1.821	5.25
99	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.512	4
2	MP2A	Z	.887	4
3	MP2A	Mx	-.000444	4
4	MP3B	X	-.512	4
5	MP3B	Z	.887	4
6	MP3B	Mx	-.000444	4
7	MP2A	X	-3.33	.5
8	MP2A	Z	5.767	.5
9	MP2A	Mx	-.001	.5
10	MP2A	X	-3.33	5.5
11	MP2A	Z	5.767	5.5
12	MP2A	Mx	-.001	5.5
13	MP2A	X	-3.33	.5
14	MP2A	Z	5.767	.5
15	MP2A	Mx	.007	.5
16	MP2A	X	-3.33	5.5
17	MP2A	Z	5.767	5.5
18	MP2A	Mx	.007	5.5
19	MP3B	X	-2.659	.25
20	MP3B	Z	4.606	.25
21	MP3B	Mx	-.004	.25
22	MP3B	X	-2.659	5.25
23	MP3B	Z	4.606	5.25
24	MP3B	Mx	-.004	5.25
25	MP3C	X	-3.449	.25
26	MP3C	Z	5.973	.25
27	MP3C	Mx	.006	.25
28	MP3C	X	-3.449	5.25
29	MP3C	Z	5.973	5.25
30	MP3C	Mx	.006	5.25
31	MP3B	X	-2.659	.25
32	MP3B	Z	4.606	.25
33	MP3B	Mx	-.004	.25
34	MP3B	X	-2.659	5.25
35	MP3B	Z	4.606	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	-.004	5.25
37	MP3C	X	-3.449	.25
38	MP3C	Z	5.973	.25
39	MP3C	Mx	-.002	.25
40	MP3C	X	-3.449	5.25
41	MP3C	Z	5.973	5.25
42	MP3C	Mx	-.002	5.25
43	MP4B	X	-.754	1.42
44	MP4B	Z	1.306	1.42
45	MP4B	Mx	-.000628	1.42
46	MP4B	X	-.754	3.42
47	MP4B	Z	1.306	3.42
48	MP4B	Mx	-.000628	3.42
49	MP4C	X	-2.022	1.42
50	MP4C	Z	3.502	1.42
51	MP4C	Mx	.000576	1.42
52	MP4C	X	-2.022	3.42
53	MP4C	Z	3.502	3.42
54	MP4C	Mx	.000576	3.42
55	MP5A	X	-1.831	1.42
56	MP5A	Z	3.172	1.42
57	MP5A	Mx	.000763	1.42
58	MP5A	X	-1.831	3.42
59	MP5A	Z	3.172	3.42
60	MP5A	Mx	.000763	3.42
61	MP2A	X	-1.59	1.6
62	MP2A	Z	2.753	1.6
63	MP2A	Mx	-.001	1.6
64	MP3B	X	-1.162	1.6
65	MP3B	Z	2.013	1.6
66	MP3B	Mx	.002	1.6
67	MP3C	X	-1.665	1.6
68	MP3C	Z	2.884	1.6
69	MP3C	Mx	-.000759	1.6
70	MP2B	X	-.95	1.5
71	MP2B	Z	1.645	1.5
72	MP2B	Mx	.001	1.5
73	MP2C	X	-1.536	1.5
74	MP2C	Z	2.661	1.5
75	MP2C	Mx	-.001	1.5
76	MP3A	X	-1.536	1.5
77	MP3A	Z	2.661	1.5
78	MP3A	Mx	-.001	1.5
79	MP4A	X	-4.268	1
80	MP4A	Z	7.392	1
81	MP4A	Mx	-.004	1
82	MP2B	X	-1.901	.25
83	MP2B	Z	3.293	.25
84	MP2B	Mx	-.002	.25
85	MP2B	X	-1.901	5.25
86	MP2B	Z	3.293	5.25
87	MP2B	Mx	-.002	5.25
88	MP2C	X	-1.158	.25
89	MP2C	Z	2.006	.25
90	MP2C	Mx	.000483	.25
91	MP2C	X	-1.158	5.25
92	MP2C	Z	2.006	5.25
93	MP2C	Mx	.000483	5.25
94	MP3A	X	-1.158	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3A	Z	2.006	.25
96	MP3A	Mx	.000482	.25
97	MP3A	X	-1.158	5.25
98	MP3A	Z	2.006	5.25
99	MP3A	Mx	.000482	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.534	4
2	MP2A	Z	.886	4
3	MP2A	Mx	-.000443	4
4	MP3B	X	-1.534	4
5	MP3B	Z	.886	4
6	MP3B	Mx	-.000443	4
7	MP2A	X	-4.993	.5
8	MP2A	Z	2.883	.5
9	MP2A	Mx	.002	.5
10	MP2A	X	-4.993	5.5
11	MP2A	Z	2.883	5.5
12	MP2A	Mx	.002	5.5
13	MP2A	X	-4.993	.5
14	MP2A	Z	2.883	.5
15	MP2A	Mx	.006	.5
16	MP2A	X	-4.993	5.5
17	MP2A	Z	2.883	5.5
18	MP2A	Mx	.006	5.5
19	MP3B	X	-4.993	.25
20	MP3B	Z	2.883	.25
21	MP3B	Mx	-.006	.25
22	MP3B	X	-4.993	5.25
23	MP3B	Z	2.883	5.25
24	MP3B	Mx	-.006	5.25
25	MP3C	X	-6.108	.25
26	MP3C	Z	3.526	.25
27	MP3C	Mx	.004	.25
28	MP3C	X	-6.108	5.25
29	MP3C	Z	3.526	5.25
30	MP3C	Mx	.004	5.25
31	MP3B	X	-4.993	.25
32	MP3B	Z	2.883	.25
33	MP3B	Mx	-.002	.25
34	MP3B	X	-4.993	5.25
35	MP3B	Z	2.883	5.25
36	MP3B	Mx	-.002	5.25
37	MP3C	X	-6.108	.25
38	MP3C	Z	3.526	.25
39	MP3C	Mx	-.006	.25
40	MP3C	X	-6.108	5.25
41	MP3C	Z	3.526	5.25
42	MP3C	Mx	-.006	5.25
43	MP4B	X	-1.928	1.42
44	MP4B	Z	1.113	1.42
45	MP4B	Mx	-.000803	1.42
46	MP4B	X	-1.928	3.42
47	MP4B	Z	1.113	3.42
48	MP4B	Mx	-.000803	3.42
49	MP4C	X	-3.718	1.42
50	MP4C	Z	2.147	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.00031	1.42
52	MP4C	X	-3.718	3.42
53	MP4C	Z	2.147	3.42
54	MP4C	Mx	-.00031	3.42
55	MP5A	X	-1.928	1.42
56	MP5A	Z	1.113	1.42
57	MP5A	Mx	.000803	1.42
58	MP5A	X	-1.928	3.42
59	MP5A	Z	1.113	3.42
60	MP5A	Mx	.000803	3.42
61	MP2A	X	-2.26	1.6
62	MP2A	Z	1.305	1.6
63	MP2A	Mx	-.002	1.6
64	MP3B	X	-2.26	1.6
65	MP3B	Z	1.305	1.6
66	MP3B	Mx	.002	1.6
67	MP3C	X	-2.97	1.6
68	MP3C	Z	1.715	1.6
69	MP3C	Mx	.000397	1.6
70	MP2B	X	-1.984	1.5
71	MP2B	Z	1.145	1.5
72	MP2B	Mx	.001	1.5
73	MP2C	X	-3	1.5
74	MP2C	Z	1.732	1.5
75	MP2C	Mx	0	1.5
76	MP3A	X	-1.984	1.5
77	MP3A	Z	1.145	1.5
78	MP3A	Mx	-.001	1.5
79	MP4A	X	-6.461	1
80	MP4A	Z	3.73	1
81	MP4A	Mx	-.006	1
82	MP2B	X	-2.864	.25
83	MP2B	Z	1.654	.25
84	MP2B	Mx	-.001	.25
85	MP2B	X	-2.864	5.25
86	MP2B	Z	1.654	5.25
87	MP2B	Mx	-.001	5.25
88	MP2C	X	-1.577	.25
89	MP2C	Z	.911	.25
90	MP2C	Mx	0	.25
91	MP2C	X	-1.577	5.25
92	MP2C	Z	.911	5.25
93	MP2C	Mx	0	5.25
94	MP3A	X	-2.864	.25
95	MP3A	Z	1.654	.25
96	MP3A	Mx	.001	.25
97	MP3A	X	-2.864	5.25
98	MP3A	Z	1.654	5.25
99	MP3A	Mx	.001	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.145	4
2	MP2A	Z	0	4
3	MP2A	Mx	0	4
4	MP3B	X	-2.145	4
5	MP3B	Z	0	4
6	MP3B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	-5.319	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.004	.5
10	MP2A	X	-5.319	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.004	5.5
13	MP2A	X	-5.319	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.004	.5
16	MP2A	X	-5.319	5.5
17	MP2A	Z	0	5.5
18	MP2A	Mx	.004	5.5
19	MP3B	X	-6.66	.25
20	MP3B	Z	0	.25
21	MP3B	Mx	-.007	.25
22	MP3B	X	-6.66	5.25
23	MP3B	Z	0	5.25
24	MP3B	Mx	-.007	5.25
25	MP3C	X	-6.368	.25
26	MP3C	Z	0	.25
27	MP3C	Mx	-.000159	.25
28	MP3C	X	-6.368	5.25
29	MP3C	Z	0	5.25
30	MP3C	Mx	-.000159	5.25
31	MP3B	X	-6.66	.25
32	MP3B	Z	0	.25
33	MP3B	Mx	.001	.25
34	MP3B	X	-6.66	5.25
35	MP3B	Z	0	5.25
36	MP3B	Mx	.001	5.25
37	MP3C	X	-6.368	.25
38	MP3C	Z	0	.25
39	MP3C	Mx	-.007	.25
40	MP3C	X	-6.368	5.25
41	MP3C	Z	0	5.25
42	MP3C	Mx	-.007	5.25
43	MP4B	X	-3.662	1.42
44	MP4B	Z	0	1.42
45	MP4B	Mx	-.000763	1.42
46	MP4B	X	-3.662	3.42
47	MP4B	Z	0	3.42
48	MP4B	Mx	-.000763	3.42
49	MP4C	X	-3.194	1.42
50	MP4C	Z	0	1.42
51	MP4C	Mx	-.000855	1.42
52	MP4C	X	-3.194	3.42
53	MP4C	Z	0	3.42
54	MP4C	Mx	-.000855	3.42
55	MP5A	X	-1.508	1.42
56	MP5A	Z	0	1.42
57	MP5A	Mx	.000628	1.42
58	MP5A	X	-1.508	3.42
59	MP5A	Z	0	3.42
60	MP5A	Mx	.000628	3.42
61	MP2A	X	-2.324	1.6
62	MP2A	Z	0	1.6
63	MP2A	Mx	-.002	1.6
64	MP3B	X	-3.179	1.6
65	MP3B	Z	0	1.6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.001	1.6
67	MP3C	X	-2.993	1.6
68	MP3C	Z	0	1.6
69	MP3C	Mx	.001	1.6
70	MP2B	X	-3.073	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.001	1.5
73	MP2C	X	-3.073	1.5
74	MP2C	Z	0	1.5
75	MP2C	Mx	.001	1.5
76	MP3A	X	-1.9	1.5
77	MP3A	Z	0	1.5
78	MP3A	Mx	-.001	1.5
79	MP4A	X	-6.922	1
80	MP4A	Z	0	1
81	MP4A	Mx	-.007	1
82	MP2B	X	-2.317	.25
83	MP2B	Z	0	.25
84	MP2B	Mx	-.000483	.25
85	MP2B	X	-2.317	5.25
86	MP2B	Z	0	5.25
87	MP2B	Mx	-.000483	5.25
88	MP2C	X	-2.317	.25
89	MP2C	Z	0	.25
90	MP2C	Mx	-.000483	.25
91	MP2C	X	-2.317	5.25
92	MP2C	Z	0	5.25
93	MP2C	Mx	-.000483	5.25
94	MP3A	X	-3.802	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.002	.25
97	MP3A	X	-3.802	5.25
98	MP3A	Z	0	5.25
99	MP3A	Mx	.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.534	4
2	MP2A	Z	-.886	4
3	MP2A	Mx	.000443	4
4	MP3B	X	-1.534	4
5	MP3B	Z	-.886	4
6	MP3B	Mx	.000443	4
7	MP2A	X	-4.993	.5
8	MP2A	Z	-2.883	.5
9	MP2A	Mx	.006	.5
10	MP2A	X	-4.993	5.5
11	MP2A	Z	-2.883	5.5
12	MP2A	Mx	.006	5.5
13	MP2A	X	-4.993	.5
14	MP2A	Z	-2.883	.5
15	MP2A	Mx	.002	.5
16	MP2A	X	-4.993	5.5
17	MP2A	Z	-2.883	5.5
18	MP2A	Mx	.002	5.5
19	MP3B	X	-6.155	.25
20	MP3B	Z	-3.553	.25
21	MP3B	Mx	-.005	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3B	X	-6.155	5.25
23	MP3B	Z	-3.553	5.25
24	MP3B	Mx	-.005	5.25
25	MP3C	X	-4.787	.25
26	MP3C	Z	-2.764	.25
27	MP3C	Mx	-.003	.25
28	MP3C	X	-4.787	5.25
29	MP3C	Z	-2.764	5.25
30	MP3C	Mx	-.003	5.25
31	MP3B	X	-6.155	.25
32	MP3B	Z	-3.553	.25
33	MP3B	Mx	.005	.25
34	MP3B	X	-6.155	5.25
35	MP3B	Z	-3.553	5.25
36	MP3B	Mx	.005	5.25
37	MP3C	X	-4.787	.25
38	MP3C	Z	-2.764	.25
39	MP3C	Mx	-.006	.25
40	MP3C	X	-4.787	5.25
41	MP3C	Z	-2.764	5.25
42	MP3C	Mx	-.006	5.25
43	MP4B	X	-3.793	1.42
44	MP4B	Z	-2.19	1.42
45	MP4B	Mx	0	1.42
46	MP4B	X	-3.793	3.42
47	MP4B	Z	-2.19	3.42
48	MP4B	Mx	0	3.42
49	MP4C	X	-1.597	1.42
50	MP4C	Z	-.922	1.42
51	MP4C	Mx	-.000722	1.42
52	MP4C	X	-1.597	3.42
53	MP4C	Z	-.922	3.42
54	MP4C	Mx	-.000722	3.42
55	MP5A	X	-1.928	1.42
56	MP5A	Z	-1.113	1.42
57	MP5A	Mx	.000803	1.42
58	MP5A	X	-1.928	3.42
59	MP5A	Z	-1.113	3.42
60	MP5A	Mx	.000803	3.42
61	MP2A	X	-2.26	1.6
62	MP2A	Z	-1.305	1.6
63	MP2A	Mx	-.002	1.6
64	MP3B	X	-3	1.6
65	MP3B	Z	-1.732	1.6
66	MP3B	Mx	0	1.6
67	MP3C	X	-2.128	1.6
68	MP3C	Z	-1.229	1.6
69	MP3C	Mx	.002	1.6
70	MP2B	X	-3	1.5
71	MP2B	Z	-1.732	1.5
72	MP2B	Mx	0	1.5
73	MP2C	X	-1.984	1.5
74	MP2C	Z	-1.145	1.5
75	MP2C	Mx	.001	1.5
76	MP3A	X	-1.984	1.5
77	MP3A	Z	-1.145	1.5
78	MP3A	Mx	-.001	1.5
79	MP4A	X	-6.461	1
80	MP4A	Z	-3.73	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4A	Mx	-.006	1
82	MP2B	X	-1.577	.25
83	MP2B	Z	-.911	.25
84	MP2B	Mx	0	.25
85	MP2B	X	-1.577	5.25
86	MP2B	Z	-.911	5.25
87	MP2B	Mx	0	5.25
88	MP2C	X	-2.864	.25
89	MP2C	Z	-1.654	.25
90	MP2C	Mx	-.001	.25
91	MP2C	X	-2.864	5.25
92	MP2C	Z	-1.654	5.25
93	MP2C	Mx	-.001	5.25
94	MP3A	X	-2.864	.25
95	MP3A	Z	-1.654	.25
96	MP3A	Mx	.001	.25
97	MP3A	X	-2.864	5.25
98	MP3A	Z	-1.654	5.25
99	MP3A	Mx	.001	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.512	4
2	MP2A	Z	-.887	4
3	MP2A	Mx	.000444	4
4	MP3B	X	-.512	4
5	MP3B	Z	-.887	4
6	MP3B	Mx	.000444	4
7	MP2A	X	-3.33	.5
8	MP2A	Z	-5.767	.5
9	MP2A	Mx	.007	.5
10	MP2A	X	-3.33	5.5
11	MP2A	Z	-5.767	5.5
12	MP2A	Mx	.007	5.5
13	MP2A	X	-3.33	.5
14	MP2A	Z	-5.767	.5
15	MP2A	Mx	-.001	.5
16	MP2A	X	-3.33	5.5
17	MP2A	Z	-5.767	5.5
18	MP2A	Mx	-.001	5.5
19	MP3B	X	-3.33	.25
20	MP3B	Z	-5.767	.25
21	MP3B	Mx	-.001	.25
22	MP3B	X	-3.33	5.25
23	MP3B	Z	-5.767	5.25
24	MP3B	Mx	-.001	5.25
25	MP3C	X	-2.686	.25
26	MP3C	Z	-4.653	.25
27	MP3C	Mx	-.005	.25
28	MP3C	X	-2.686	5.25
29	MP3C	Z	-4.653	5.25
30	MP3C	Mx	-.005	5.25
31	MP3B	X	-3.33	.25
32	MP3B	Z	-5.767	.25
33	MP3B	Mx	.007	.25
34	MP3B	X	-3.33	5.25
35	MP3B	Z	-5.767	5.25
36	MP3B	Mx	.007	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3C	X	-2.686	.25
38	MP3C	Z	-4.653	.25
39	MP3C	Mx	-.004	.25
40	MP3C	X	-2.686	5.25
41	MP3C	Z	-4.653	5.25
42	MP3C	Mx	-.004	5.25
43	MP4B	X	-1.831	1.42
44	MP4B	Z	-3.172	1.42
45	MP4B	Mx	.000763	1.42
46	MP4B	X	-1.831	3.42
47	MP4B	Z	-3.172	3.42
48	MP4B	Mx	.000763	3.42
49	MP4C	X	-.798	1.42
50	MP4C	Z	-1.381	1.42
51	MP4C	Mx	-.000655	1.42
52	MP4C	X	-.798	3.42
53	MP4C	Z	-1.381	3.42
54	MP4C	Mx	-.000655	3.42
55	MP5A	X	-1.831	1.42
56	MP5A	Z	-3.172	1.42
57	MP5A	Mx	.000763	1.42
58	MP5A	X	-1.831	3.42
59	MP5A	Z	-3.172	3.42
60	MP5A	Mx	.000763	3.42
61	MP2A	X	-1.59	1.6
62	MP2A	Z	-2.753	1.6
63	MP2A	Mx	-.001	1.6
64	MP3B	X	-1.59	1.6
65	MP3B	Z	-2.753	1.6
66	MP3B	Mx	-.001	1.6
67	MP3C	X	-1.179	1.6
68	MP3C	Z	-2.043	1.6
69	MP3C	Mx	.002	1.6
70	MP2B	X	-1.536	1.5
71	MP2B	Z	-2.661	1.5
72	MP2B	Mx	-.001	1.5
73	MP2C	X	-.95	1.5
74	MP2C	Z	-1.645	1.5
75	MP2C	Mx	.001	1.5
76	MP3A	X	-1.536	1.5
77	MP3A	Z	-2.661	1.5
78	MP3A	Mx	-.001	1.5
79	MP4A	X	-4.268	1
80	MP4A	Z	-7.392	1
81	MP4A	Mx	-.004	1
82	MP2B	X	-1.158	.25
83	MP2B	Z	-2.006	.25
84	MP2B	Mx	.000483	.25
85	MP2B	X	-1.158	5.25
86	MP2B	Z	-2.006	5.25
87	MP2B	Mx	.000483	5.25
88	MP2C	X	-1.901	.25
89	MP2C	Z	-3.293	.25
90	MP2C	Mx	-.002	.25
91	MP2C	X	-1.901	5.25
92	MP2C	Z	-3.293	5.25
93	MP2C	Mx	-.002	5.25
94	MP3A	X	-1.158	.25
95	MP3A	Z	-2.006	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP3A	Mx	.000482	.25
97	MP3A	X	-1.158	5.25
98	MP3A	Z	-2.006	5.25
99	MP3A	Mx	.000482	5.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%73

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	0	4
2	MP2A	My	0	4
3	MP2A	Mz	0	4
4	MP3B	Y	0	4
5	MP3B	My	0	4
6	MP3B	Mz	0	4
7	MP2A	Y	0	.5
8	MP2A	My	0	.5
9	MP2A	Mz	0	.5
10	MP2A	Y	0	5.5
11	MP2A	My	0	5.5
12	MP2A	Mz	0	5.5
13	MP2A	Y	0	.5
14	MP2A	My	0	.5
15	MP2A	Mz	0	.5
16	MP2A	Y	0	5.5
17	MP2A	My	0	5.5
18	MP2A	Mz	0	5.5
19	MP3B	Y	0	.25
20	MP3B	My	0	.25
21	MP3B	Mz	0	.25
22	MP3B	Y	0	5.25
23	MP3B	My	0	5.25
24	MP3B	Mz	0	5.25
25	MP3C	Y	0	.25
26	MP3C	My	0	.25
27	MP3C	Mz	0	.25
28	MP3C	Y	0	5.25
29	MP3C	My	0	5.25
30	MP3C	Mz	0	5.25
31	MP3B	Y	0	.25
32	MP3B	My	0	.25
33	MP3B	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	Y	0	5.25
35	MP3B	My	0	5.25
36	MP3B	Mz	0	5.25
37	MP3C	Y	0	.25
38	MP3C	My	0	.25
39	MP3C	Mz	0	.25
40	MP3C	Y	0	5.25
41	MP3C	My	0	5.25
42	MP3C	Mz	0	5.25
43	MP4B	Y	0	1.42
44	MP4B	My	0	1.42
45	MP4B	Mz	0	1.42
46	MP4B	Y	0	3.42
47	MP4B	My	0	3.42
48	MP4B	Mz	0	3.42
49	MP4C	Y	0	1.42
50	MP4C	My	0	1.42
51	MP4C	Mz	0	1.42
52	MP4C	Y	0	3.42
53	MP4C	My	0	3.42
54	MP4C	Mz	0	3.42
55	MP5A	Y	0	1.42
56	MP5A	My	0	1.42
57	MP5A	Mz	0	1.42
58	MP5A	Y	0	3.42
59	MP5A	My	0	3.42
60	MP5A	Mz	0	3.42
61	MP2A	Y	0	1.6
62	MP2A	My	0	1.6
63	MP2A	Mz	0	1.6
64	MP3B	Y	0	1.6
65	MP3B	My	0	1.6
66	MP3B	Mz	0	1.6
67	MP3C	Y	0	1.6
68	MP3C	My	0	1.6
69	MP3C	Mz	0	1.6
70	MP2B	Y	0	1.5
71	MP2B	My	0	1.5
72	MP2B	Mz	0	1.5
73	MP2C	Y	0	1.5
74	MP2C	My	0	1.5
75	MP2C	Mz	0	1.5
76	MP3A	Y	0	1.5
77	MP3A	My	0	1.5
78	MP3A	Mz	0	1.5
79	MP4A	Y	0	1
80	MP4A	My	0	1
81	MP4A	Mz	0	1
82	MP2B	Y	0	.25
83	MP2B	My	0	.25
84	MP2B	Mz	0	.25
85	MP2B	Y	0	5.25
86	MP2B	My	0	5.25
87	MP2B	Mz	0	5.25
88	MP2C	Y	0	.25
89	MP2C	My	0	.25
90	MP2C	Mz	0	.25
91	MP2C	Y	0	5.25
92	MP2C	My	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP2C	Mz	0	5.25
94	MP3A	Y	0	.25
95	MP3A	My	0	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	0	5.25
98	MP3A	My	0	5.25
99	MP3A	Mz	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-.528	4
2	MP2A	Mx	.000264	4
3	MP3B	Z	-.528	4
4	MP3B	Mx	.000264	4
5	MP2A	Z	-.765	.5
6	MP2A	Mx	.00051	.5
7	MP2A	Z	-.765	5.5
8	MP2A	Mx	.00051	5.5
9	MP2A	Z	-.765	.5
10	MP2A	Mx	-.00051	.5
11	MP2A	Z	-.765	5.5
12	MP2A	Mx	-.00051	5.5
13	MP3B	Z	-.765	.25
14	MP3B	Mx	.000297	.25
15	MP3B	Z	-.765	5.25
16	MP3B	Mx	.000297	5.25
17	MP3C	Z	-.765	.25
18	MP3C	Mx	-.000816	.25
19	MP3C	Z	-.765	5.25
20	MP3C	Mx	-.000816	5.25
21	MP3B	Z	-.765	.25
22	MP3B	Mx	.000807	.25
23	MP3B	Z	-.765	5.25
24	MP3B	Mx	.000807	5.25
25	MP3C	Z	-.765	.25
26	MP3C	Mx	-.000161	.25
27	MP3C	Z	-.765	5.25
28	MP3C	Mx	-.000161	5.25
29	MP4B	Z	-1.306	1.42
30	MP4B	Mx	.000471	1.42
31	MP4B	Z	-1.306	3.42
32	MP4B	Mx	.000471	3.42
33	MP4C	Z	-1.306	1.42
34	MP4C	Mx	-.000417	1.42
35	MP4C	Z	-1.306	3.42
36	MP4C	Mx	-.000417	3.42
37	MP5A	Z	-1.306	1.42
38	MP5A	Mx	0	1.42
39	MP5A	Z	-1.306	3.42
40	MP5A	Mx	0	3.42
41	MP2A	Z	-2.532	1.6
42	MP2A	Mx	0	1.6
43	MP3B	Z	-2.532	1.6
44	MP3B	Mx	-.001	1.6
45	MP3C	Z	-2.532	1.6
46	MP3C	Mx	.001	1.6
47	MP2B	Z	-2.109	1.5
48	MP2B	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2C	Z	-2.109	1.5
50	MP2C	Mx	.001	1.5
51	MP3A	Z	-2.109	1.5
52	MP3A	Mx	0	1.5
53	MP4A	Z	-.96	1
54	MP4A	Mx	0	1
55	MP2B	Z	-.6	.25
56	MP2B	Mx	.000217	.25
57	MP2B	Z	-.6	5.25
58	MP2B	Mx	.000217	5.25
59	MP2C	Z	-.6	.25
60	MP2C	Mx	-.000217	.25
61	MP2C	Z	-.6	5.25
62	MP2C	Mx	-.000217	5.25
63	MP3A	Z	-.6	.25
64	MP3A	Mx	0	.25
65	MP3A	Z	-.6	5.25
66	MP3A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.528	4
2	MP2A	Mx	0	4
3	MP3B	X	.528	4
4	MP3B	Mx	0	4
5	MP2A	X	.765	.5
6	MP2A	Mx	-.000638	.5
7	MP2A	X	.765	5.5
8	MP2A	Mx	-.000638	5.5
9	MP2A	X	.765	.5
10	MP2A	Mx	-.000638	.5
11	MP2A	X	.765	5.5
12	MP2A	Mx	-.000638	5.5
13	MP3B	X	.765	.25
14	MP3B	Mx	.00076	.25
15	MP3B	X	.765	5.25
16	MP3B	Mx	.00076	5.25
17	MP3C	X	.765	.25
18	MP3C	Mx	1.9e-5	.25
19	MP3C	X	.765	5.25
20	MP3C	Mx	1.9e-5	5.25
21	MP3B	X	.765	.25
22	MP3B	Mx	-.000123	.25
23	MP3B	X	.765	5.25
24	MP3B	Mx	-.000123	5.25
25	MP3C	X	.765	.25
26	MP3C	Mx	.0008	.25
27	MP3C	X	.765	5.25
28	MP3C	Mx	.0008	5.25
29	MP4B	X	1.306	1.42
30	MP4B	Mx	.000272	1.42
31	MP4B	X	1.306	3.42
32	MP4B	Mx	.000272	3.42
33	MP4C	X	1.306	1.42
34	MP4C	Mx	.00035	1.42
35	MP4C	X	1.306	3.42
36	MP4C	Mx	.00035	3.42
37	MP5A	X	1.306	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP5A	Mx	-.000544	1.42
39	MP5A	X	1.306	3.42
40	MP5A	Mx	-.000544	3.42
41	MP2A	X	2.532	1.6
42	MP2A	Mx	.002	1.6
43	MP3B	X	2.532	1.6
44	MP3B	Mx	-.000844	1.6
45	MP3C	X	2.532	1.6
46	MP3C	Mx	-.001	1.6
47	MP2B	X	2.109	1.5
48	MP2B	Mx	-.000703	1.5
49	MP2C	X	2.109	1.5
50	MP2C	Mx	-.000703	1.5
51	MP3A	X	2.109	1.5
52	MP3A	Mx	.001	1.5
53	MP4A	X	.96	1
54	MP4A	Mx	.00096	1
55	MP2B	X	.6	.25
56	MP2B	Mx	.000125	.25
57	MP2B	X	.6	5.25
58	MP2B	Mx	.000125	5.25
59	MP2C	X	.6	.25
60	MP2C	Mx	.000125	.25
61	MP2C	X	.6	5.25
62	MP2C	Mx	.000125	5.25
63	MP3A	X	.6	.25
64	MP3A	Mx	-.00025	.25
65	MP3A	X	.6	5.25
66	MP3A	Mx	-.00025	5.25

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	M73	Y	-9.338	-9.338	0	%100
2	M74	Y	-9.338	-9.338	0	%100
3	M75	Y	-9.338	-9.338	0	%100
4	M76	Y	-9.857	-9.857	0	%100
5	M77	Y	-9.857	-9.857	0	%100
6	M78	Y	-6.06	-6.06	0	%100
7	M79	Y	-6.06	-6.06	0	%100
8	M84	Y	-14.696	-14.696	0	%100
9	M85	Y	-9.857	-9.857	0	%100
10	M86	Y	-9.857	-9.857	0	%100
11	M87	Y	-6.06	-6.06	0	%100
12	M88	Y	-6.06	-6.06	0	%100
13	M93	Y	-14.696	-14.696	0	%100
14	M94	Y	-9.857	-9.857	0	%100
15	M95	Y	-9.857	-9.857	0	%100
16	M96	Y	-6.06	-6.06	0	%100
17	M97	Y	-6.06	-6.06	0	%100
18	M102	Y	-14.696	-14.696	0	%100
19	M103	Y	-7.818	-7.818	0	%100
20	M104	Y	-7.818	-7.818	0	%100
21	M105	Y	-7.818	-7.818	0	%100
22	M106	Y	-10.381	-10.381	0	%100
23	M107	Y	-10.381	-10.381	0	%100
24	M108	Y	-10.381	-10.381	0	%100
25	MP5A	Y	-5.125	-5.125	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,%]
26	MP3A	Y	-5.846	-5.846	0	%100
27	MP2A	Y	-5.125	-5.125	0	%100
28	MP1A	Y	-5.125	-5.125	0	%100
29	MP4C	Y	-5.125	-5.125	0	%100
30	MP3C	Y	-5.846	-5.846	0	%100
31	MP2C	Y	-5.125	-5.125	0	%100
32	MP1C	Y	-5.125	-5.125	0	%100
33	MP4B	Y	-5.125	-5.125	0	%100
34	MP3B	Y	-5.846	-5.846	0	%100
35	MP2B	Y	-5.125	-5.125	0	%100
36	MP1B	Y	-5.125	-5.125	0	%100
37	M73A	Y	-7.818	-7.818	0	%100
38	M74A	Y	-7.818	-7.818	0	%100
39	M75A	Y	-7.818	-7.818	0	%100
40	MP4A	Y	-5.125	-5.125	0	%100
41	M97B	Y	-10.892	-10.892	0	%100
42	M98B	Y	-10.892	-10.892	0	%100
43	M99B	Y	-10.892	-10.892	0	%100
44	M100B	Y	-5.846	-5.846	0	%100
45	M108A	Y	-5.846	-5.846	0	%100
46	M116	Y	-5.846	-5.846	0	%100
47	M124A	Y	-7.818	-7.818	0	%100
48	M125A	Y	-7.818	-7.818	0	%100
49	M126	Y	-7.818	-7.818	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	M73	X	0	0	0	%100
2	M73	Z	-29.797	-29.797	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	-7.449	-7.449	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-7.449	-7.449	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	-20.796	-20.796	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-10.727	-10.727	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-10.727	-10.727	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	-1.788	-1.788	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-10.088	-10.088	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	-5.199	-5.199	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	-2.682	-2.682	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	-2.682	-2.682	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	-.447	-.447	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	-10.088	-10.088	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	-5.199	-5.199	0	%100
31	M96	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,%]
32	M96	Z	-2.682	-2.682	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	-2.682	-2.682	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	-.447	-.447	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	-17.878	-17.878	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	-4.47	-4.47	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	-4.47	-4.47	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	-1.788	-1.788	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	-.447	-.447	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	-.447	-.447	0	%100
49	MP5A	X	0	0	0	%100
50	MP5A	Z	-8.492	-8.492	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-10.28	-10.28	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	-8.492	-8.492	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-8.492	-8.492	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-8.492	-8.492	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	-10.28	-10.28	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	-8.492	-8.492	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-8.492	-8.492	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-8.492	-8.492	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-10.28	-10.28	0	%100
69	MP2B	X	0	0	0	%100
70	MP2B	Z	-8.492	-8.492	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-8.492	-8.492	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-17.878	-17.878	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-4.47	-4.47	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	-4.47	-4.47	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-8.492	-8.492	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	-11.42	-11.42	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	-15.644	-15.644	0	%100
85	M99B	X	0	0	0	%100
86	M99B	Z	-15.644	-15.644	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	-10.28	-10.28	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	-2.57	-2.57	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,%]
91	M116	X	0	0	0	%100
92	M116	Z	-2.57	-2.57	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	-3.139	-3.139	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	-12.555	-12.555	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	-3.139	-3.139	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	M73	X	11.174	11.174	0	%100
2	M73	Z	-19.354	-19.354	0	%100
3	M74	X	11.174	11.174	0	%100
4	M74	Z	-19.354	-19.354	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	1.681	1.681	0	%100
8	M76	Z	-2.912	-2.912	0	%100
9	M77	X	7.799	7.799	0	%100
10	M77	Z	-13.507	-13.507	0	%100
11	M78	X	4.023	4.023	0	%100
12	M78	Z	-6.967	-6.967	0	%100
13	M79	X	4.023	4.023	0	%100
14	M79	Z	-6.967	-6.967	0	%100
15	M84	X	.67	.67	0	%100
16	M84	Z	-1.161	-1.161	0	%100
17	M85	X	1.681	1.681	0	%100
18	M85	Z	-2.912	-2.912	0	%100
19	M86	X	7.799	7.799	0	%100
20	M86	Z	-13.507	-13.507	0	%100
21	M87	X	4.023	4.023	0	%100
22	M87	Z	-6.967	-6.967	0	%100
23	M88	X	4.023	4.023	0	%100
24	M88	Z	-6.967	-6.967	0	%100
25	M93	X	.67	.67	0	%100
26	M93	Z	-1.161	-1.161	0	%100
27	M94	X	6.725	6.725	0	%100
28	M94	Z	-11.648	-11.648	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	6.704	6.704	0	%100
38	M103	Z	-11.612	-11.612	0	%100
39	M104	X	6.704	6.704	0	%100
40	M104	Z	-11.612	-11.612	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	.67	.67	0	%100
44	M106	Z	-1.161	-1.161	0	%100
45	M107	X	.67	.67	0	%100
46	M107	Z	-1.161	-1.161	0	%100
47	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
48	M108	Z	0	0	0	%100
49	MP5A	X	4.246	4.246	0	%100
50	MP5A	Z	-7.355	-7.355	0	%100
51	MP3A	X	5.14	5.14	0	%100
52	MP3A	Z	-8.903	-8.903	0	%100
53	MP2A	X	4.246	4.246	0	%100
54	MP2A	Z	-7.355	-7.355	0	%100
55	MP1A	X	4.246	4.246	0	%100
56	MP1A	Z	-7.355	-7.355	0	%100
57	MP4C	X	4.246	4.246	0	%100
58	MP4C	Z	-7.355	-7.355	0	%100
59	MP3C	X	5.14	5.14	0	%100
60	MP3C	Z	-8.903	-8.903	0	%100
61	MP2C	X	4.246	4.246	0	%100
62	MP2C	Z	-7.355	-7.355	0	%100
63	MP1C	X	4.246	4.246	0	%100
64	MP1C	Z	-7.355	-7.355	0	%100
65	MP4B	X	4.246	4.246	0	%100
66	MP4B	Z	-7.355	-7.355	0	%100
67	MP3B	X	5.14	5.14	0	%100
68	MP3B	Z	-8.903	-8.903	0	%100
69	MP2B	X	4.246	4.246	0	%100
70	MP2B	Z	-7.355	-7.355	0	%100
71	MP1B	X	4.246	4.246	0	%100
72	MP1B	Z	-7.355	-7.355	0	%100
73	M73A	X	6.704	6.704	0	%100
74	M73A	Z	-11.612	-11.612	0	%100
75	M74A	X	6.704	6.704	0	%100
76	M74A	Z	-11.612	-11.612	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	4.246	4.246	0	%100
80	MP4A	Z	-7.355	-7.355	0	%100
81	M97B	X	6.414	6.414	0	%100
82	M97B	Z	-11.11	-11.11	0	%100
83	M98B	X	6.414	6.414	0	%100
84	M98B	Z	-11.11	-11.11	0	%100
85	M99B	X	8.526	8.526	0	%100
86	M99B	Z	-14.768	-14.768	0	%100
87	M100B	X	3.855	3.855	0	%100
88	M100B	Z	-6.677	-6.677	0	%100
89	M108A	X	3.855	3.855	0	%100
90	M108A	Z	-6.677	-6.677	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	4.708	4.708	0	%100
94	M124A	Z	-8.155	-8.155	0	%100
95	M125A	X	4.708	4.708	0	%100
96	M125A	Z	-8.155	-8.155	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	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	M73	X	6.451	6.451	0	%100
2	M73	Z	-3.725	-3.725	0	%100
3	M74	X	25.805	25.805	0	%100
4	M74	Z	-14.899	-14.899	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,%]
5	M75	X	6.451	6.451	0	%100
6	M75	Z	-3.725	-3.725	0	%100
7	M76	X	8.736	8.736	0	%100
8	M76	Z	-5.044	-5.044	0	%100
9	M77	X	4.502	4.502	0	%100
10	M77	Z	-2.6	-2.6	0	%100
11	M78	X	2.322	2.322	0	%100
12	M78	Z	-1.341	-1.341	0	%100
13	M79	X	2.322	2.322	0	%100
14	M79	Z	-1.341	-1.341	0	%100
15	M84	X	.387	.387	0	%100
16	M84	Z	-.223	-.223	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	18.01	18.01	0	%100
20	M86	Z	-10.398	-10.398	0	%100
21	M87	X	9.29	9.29	0	%100
22	M87	Z	-5.364	-5.364	0	%100
23	M88	X	9.29	9.29	0	%100
24	M88	Z	-5.364	-5.364	0	%100
25	M93	X	1.548	1.548	0	%100
26	M93	Z	-.894	-.894	0	%100
27	M94	X	8.736	8.736	0	%100
28	M94	Z	-5.044	-5.044	0	%100
29	M95	X	4.503	4.503	0	%100
30	M95	Z	-2.6	-2.6	0	%100
31	M96	X	2.322	2.322	0	%100
32	M96	Z	-1.341	-1.341	0	%100
33	M97	X	2.322	2.322	0	%100
34	M97	Z	-1.341	-1.341	0	%100
35	M102	X	.387	.387	0	%100
36	M102	Z	-.223	-.223	0	%100
37	M103	X	3.871	3.871	0	%100
38	M103	Z	-2.235	-2.235	0	%100
39	M104	X	15.483	15.483	0	%100
40	M104	Z	-8.939	-8.939	0	%100
41	M105	X	3.871	3.871	0	%100
42	M105	Z	-2.235	-2.235	0	%100
43	M106	X	.387	.387	0	%100
44	M106	Z	-.223	-.223	0	%100
45	M107	X	1.548	1.548	0	%100
46	M107	Z	-.894	-.894	0	%100
47	M108	X	.387	.387	0	%100
48	M108	Z	-.223	-.223	0	%100
49	MP5A	X	7.355	7.355	0	%100
50	MP5A	Z	-4.246	-4.246	0	%100
51	MP3A	X	8.903	8.903	0	%100
52	MP3A	Z	-5.14	-5.14	0	%100
53	MP2A	X	7.355	7.355	0	%100
54	MP2A	Z	-4.246	-4.246	0	%100
55	MP1A	X	7.355	7.355	0	%100
56	MP1A	Z	-4.246	-4.246	0	%100
57	MP4C	X	7.355	7.355	0	%100
58	MP4C	Z	-4.246	-4.246	0	%100
59	MP3C	X	8.903	8.903	0	%100
60	MP3C	Z	-5.14	-5.14	0	%100
61	MP2C	X	7.355	7.355	0	%100
62	MP2C	Z	-4.246	-4.246	0	%100
63	MP1C	X	7.355	7.355	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,%]
64	MP1C	Z	-4.246	-4.246	0	%100
65	MP4B	X	7.355	7.355	0	%100
66	MP4B	Z	-4.246	-4.246	0	%100
67	MP3B	X	8.903	8.903	0	%100
68	MP3B	Z	-5.14	-5.14	0	%100
69	MP2B	X	7.355	7.355	0	%100
70	MP2B	Z	-4.246	-4.246	0	%100
71	MP1B	X	7.355	7.355	0	%100
72	MP1B	Z	-4.246	-4.246	0	%100
73	M73A	X	3.871	3.871	0	%100
74	M73A	Z	-2.235	-2.235	0	%100
75	M74A	X	15.483	15.483	0	%100
76	M74A	Z	-8.939	-8.939	0	%100
77	M75A	X	3.871	3.871	0	%100
78	M75A	Z	-2.235	-2.235	0	%100
79	MP4A	X	7.355	7.355	0	%100
80	MP4A	Z	-4.246	-4.246	0	%100
81	M97B	X	13.548	13.548	0	%100
82	M97B	Z	-7.822	-7.822	0	%100
83	M98B	X	9.89	9.89	0	%100
84	M98B	Z	-5.71	-5.71	0	%100
85	M99B	X	13.548	13.548	0	%100
86	M99B	Z	-7.822	-7.822	0	%100
87	M100B	X	2.226	2.226	0	%100
88	M100B	Z	-1.285	-1.285	0	%100
89	M108A	X	8.903	8.903	0	%100
90	M108A	Z	-5.14	-5.14	0	%100
91	M116	X	2.226	2.226	0	%100
92	M116	Z	-1.285	-1.285	0	%100
93	M124A	X	10.873	10.873	0	%100
94	M124A	Z	-6.277	-6.277	0	%100
95	M125A	X	2.718	2.718	0	%100
96	M125A	Z	-1.569	-1.569	0	%100
97	M126	X	2.718	2.718	0	%100
98	M126	Z	-1.569	-1.569	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	22.348	22.348	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	22.348	22.348	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	13.45	13.45	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	3.363	3.363	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	15.597	15.597	0	%100
20	M86	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,%]
21	M87	X	8.045	8.045	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	8.045	8.045	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	1.341	1.341	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	3.363	3.363	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	15.597	15.597	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	8.045	8.045	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	8.045	8.045	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	1.341	1.341	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	0	0	0	%100
39	M104	X	13.409	13.409	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	13.409	13.409	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	1.341	1.341	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	1.341	1.341	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	8.492	8.492	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	10.28	10.28	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	8.492	8.492	0	%100
54	MP2A	Z	0	0	0	%100
55	MP1A	X	8.492	8.492	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	8.492	8.492	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	10.28	10.28	0	%100
60	MP3C	Z	0	0	0	%100
61	MP2C	X	8.492	8.492	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	8.492	8.492	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	8.492	8.492	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	10.28	10.28	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	8.492	8.492	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	8.492	8.492	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	13.409	13.409	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	13.409	13.409	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	8.492	8.492	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,%]
80	MP4A	Z	0	0	0	%100
81	M97B	X	17.052	17.052	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	12.828	12.828	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	12.828	12.828	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	7.71	7.71	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	7.71	7.71	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	9.416	9.416	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	0	0	0	%100
97	M126	X	9.416	9.416	0	%100
98	M126	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	M73	X	6.451	6.451	0	%100
2	M73	Z	3.725	3.725	0	%100
3	M74	X	6.451	6.451	0	%100
4	M74	Z	3.725	3.725	0	%100
5	M75	X	25.805	25.805	0	%100
6	M75	Z	14.899	14.899	0	%100
7	M76	X	8.736	8.736	0	%100
8	M76	Z	5.044	5.044	0	%100
9	M77	X	4.503	4.503	0	%100
10	M77	Z	2.6	2.6	0	%100
11	M78	X	2.322	2.322	0	%100
12	M78	Z	1.341	1.341	0	%100
13	M79	X	2.322	2.322	0	%100
14	M79	Z	1.341	1.341	0	%100
15	M84	X	.387	.387	0	%100
16	M84	Z	.223	.223	0	%100
17	M85	X	8.736	8.736	0	%100
18	M85	Z	5.044	5.044	0	%100
19	M86	X	4.502	4.502	0	%100
20	M86	Z	2.6	2.6	0	%100
21	M87	X	2.322	2.322	0	%100
22	M87	Z	1.341	1.341	0	%100
23	M88	X	2.322	2.322	0	%100
24	M88	Z	1.341	1.341	0	%100
25	M93	X	.387	.387	0	%100
26	M93	Z	.223	.223	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	18.01	18.01	0	%100
30	M95	Z	10.398	10.398	0	%100
31	M96	X	9.29	9.29	0	%100
32	M96	Z	5.364	5.364	0	%100
33	M97	X	9.29	9.29	0	%100
34	M97	Z	5.364	5.364	0	%100
35	M102	X	1.548	1.548	0	%100
36	M102	Z	.894	.894	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,%]
37	M103	X	3.871	3.871	0	%100
38	M103	Z	2.235	2.235	0	%100
39	M104	X	3.871	3.871	0	%100
40	M104	Z	2.235	2.235	0	%100
41	M105	X	15.483	15.483	0	%100
42	M105	Z	8.939	8.939	0	%100
43	M106	X	.387	.387	0	%100
44	M106	Z	.223	.223	0	%100
45	M107	X	.387	.387	0	%100
46	M107	Z	.223	.223	0	%100
47	M108	X	1.548	1.548	0	%100
48	M108	Z	.894	.894	0	%100
49	MP5A	X	7.355	7.355	0	%100
50	MP5A	Z	4.246	4.246	0	%100
51	MP3A	X	8.903	8.903	0	%100
52	MP3A	Z	5.14	5.14	0	%100
53	MP2A	X	7.355	7.355	0	%100
54	MP2A	Z	4.246	4.246	0	%100
55	MP1A	X	7.355	7.355	0	%100
56	MP1A	Z	4.246	4.246	0	%100
57	MP4C	X	7.355	7.355	0	%100
58	MP4C	Z	4.246	4.246	0	%100
59	MP3C	X	8.903	8.903	0	%100
60	MP3C	Z	5.14	5.14	0	%100
61	MP2C	X	7.355	7.355	0	%100
62	MP2C	Z	4.246	4.246	0	%100
63	MP1C	X	7.355	7.355	0	%100
64	MP1C	Z	4.246	4.246	0	%100
65	MP4B	X	7.355	7.355	0	%100
66	MP4B	Z	4.246	4.246	0	%100
67	MP3B	X	8.903	8.903	0	%100
68	MP3B	Z	5.14	5.14	0	%100
69	MP2B	X	7.355	7.355	0	%100
70	MP2B	Z	4.246	4.246	0	%100
71	MP1B	X	7.355	7.355	0	%100
72	MP1B	Z	4.246	4.246	0	%100
73	M73A	X	3.871	3.871	0	%100
74	M73A	Z	2.235	2.235	0	%100
75	M74A	X	3.871	3.871	0	%100
76	M74A	Z	2.235	2.235	0	%100
77	M75A	X	15.483	15.483	0	%100
78	M75A	Z	8.939	8.939	0	%100
79	MP4A	X	7.355	7.355	0	%100
80	MP4A	Z	4.246	4.246	0	%100
81	M97B	X	13.548	13.548	0	%100
82	M97B	Z	7.822	7.822	0	%100
83	M98B	X	13.548	13.548	0	%100
84	M98B	Z	7.822	7.822	0	%100
85	M99B	X	9.89	9.89	0	%100
86	M99B	Z	5.71	5.71	0	%100
87	M100B	X	2.226	2.226	0	%100
88	M100B	Z	1.285	1.285	0	%100
89	M108A	X	2.226	2.226	0	%100
90	M108A	Z	1.285	1.285	0	%100
91	M116	X	8.903	8.903	0	%100
92	M116	Z	5.14	5.14	0	%100
93	M124A	X	2.718	2.718	0	%100
94	M124A	Z	1.569	1.569	0	%100
95	M125A	X	2.718	2.718	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,%]
96	M125A	Z	1.569	1.569	0	%100
97	M126	X	10.873	10.873	0	%100
98	M126	Z	6.277	6.277	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	M73	X	11.174	11.174	0	%100
2	M73	Z	19.354	19.354	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	11.174	11.174	0	%100
6	M75	Z	19.354	19.354	0	%100
7	M76	X	1.681	1.681	0	%100
8	M76	Z	2.912	2.912	0	%100
9	M77	X	7.799	7.799	0	%100
10	M77	Z	13.507	13.507	0	%100
11	M78	X	4.023	4.023	0	%100
12	M78	Z	6.967	6.967	0	%100
13	M79	X	4.023	4.023	0	%100
14	M79	Z	6.967	6.967	0	%100
15	M84	X	.67	.67	0	%100
16	M84	Z	1.161	1.161	0	%100
17	M85	X	6.725	6.725	0	%100
18	M85	Z	11.648	11.648	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	1.681	1.681	0	%100
28	M94	Z	2.912	2.912	0	%100
29	M95	X	7.799	7.799	0	%100
30	M95	Z	13.507	13.507	0	%100
31	M96	X	4.023	4.023	0	%100
32	M96	Z	6.967	6.967	0	%100
33	M97	X	4.023	4.023	0	%100
34	M97	Z	6.967	6.967	0	%100
35	M102	X	.67	.67	0	%100
36	M102	Z	1.161	1.161	0	%100
37	M103	X	6.704	6.704	0	%100
38	M103	Z	11.612	11.612	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	6.704	6.704	0	%100
42	M105	Z	11.612	11.612	0	%100
43	M106	X	.67	.67	0	%100
44	M106	Z	1.161	1.161	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	.67	.67	0	%100
48	M108	Z	1.161	1.161	0	%100
49	MP5A	X	4.246	4.246	0	%100
50	MP5A	Z	7.355	7.355	0	%100
51	MP3A	X	5.14	5.14	0	%100
52	MP3A	Z	8.903	8.903	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,%]
53	MP2A	X	4.246	4.246	0	%100
54	MP2A	Z	7.355	7.355	0	%100
55	MP1A	X	4.246	4.246	0	%100
56	MP1A	Z	7.355	7.355	0	%100
57	MP4C	X	4.246	4.246	0	%100
58	MP4C	Z	7.355	7.355	0	%100
59	MP3C	X	5.14	5.14	0	%100
60	MP3C	Z	8.903	8.903	0	%100
61	MP2C	X	4.246	4.246	0	%100
62	MP2C	Z	7.355	7.355	0	%100
63	MP1C	X	4.246	4.246	0	%100
64	MP1C	Z	7.355	7.355	0	%100
65	MP4B	X	4.246	4.246	0	%100
66	MP4B	Z	7.355	7.355	0	%100
67	MP3B	X	5.14	5.14	0	%100
68	MP3B	Z	8.903	8.903	0	%100
69	MP2B	X	4.246	4.246	0	%100
70	MP2B	Z	7.355	7.355	0	%100
71	MP1B	X	4.246	4.246	0	%100
72	MP1B	Z	7.355	7.355	0	%100
73	M73A	X	6.704	6.704	0	%100
74	M73A	Z	11.612	11.612	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	6.704	6.704	0	%100
78	M75A	Z	11.612	11.612	0	%100
79	MP4A	X	4.246	4.246	0	%100
80	MP4A	Z	7.355	7.355	0	%100
81	M97B	X	6.414	6.414	0	%100
82	M97B	Z	11.11	11.11	0	%100
83	M98B	X	8.526	8.526	0	%100
84	M98B	Z	14.768	14.768	0	%100
85	M99B	X	6.414	6.414	0	%100
86	M99B	Z	11.11	11.11	0	%100
87	M100B	X	3.855	3.855	0	%100
88	M100B	Z	6.677	6.677	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	3.855	3.855	0	%100
92	M116	Z	6.677	6.677	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	4.708	4.708	0	%100
96	M125A	Z	8.155	8.155	0	%100
97	M126	X	4.708	4.708	0	%100
98	M126	Z	8.155	8.155	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	M73	X	0	0	0	%100
2	M73	Z	29.797	29.797	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	7.449	7.449	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	7.449	7.449	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	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,%]
10	M77	Z	20.796	20.796	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	10.727	10.727	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	10.727	10.727	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	1.788	1.788	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	10.088	10.088	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	5.199	5.199	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	2.682	2.682	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	2.682	2.682	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	.447	.447	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	10.088	10.088	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	5.199	5.199	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	2.682	2.682	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	2.682	2.682	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	.447	.447	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	17.878	17.878	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	4.47	4.47	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	4.47	4.47	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	1.788	1.788	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	.447	.447	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	.447	.447	0	%100
49	MP5A	X	0	0	0	%100
50	MP5A	Z	8.492	8.492	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	10.28	10.28	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	8.492	8.492	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	8.492	8.492	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	8.492	8.492	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	10.28	10.28	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	8.492	8.492	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	8.492	8.492	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	8.492	8.492	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	10.28	10.28	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,%]
69	MP2B	X	0	0	0	%100
70	MP2B	Z	8.492	8.492	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	8.492	8.492	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	17.878	17.878	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	4.47	4.47	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	4.47	4.47	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	8.492	8.492	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	11.42	11.42	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	15.644	15.644	0	%100
85	M99B	X	0	0	0	%100
86	M99B	Z	15.644	15.644	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	10.28	10.28	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	2.57	2.57	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	2.57	2.57	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	3.139	3.139	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	12.555	12.555	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	3.139	3.139	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	M73	X	-11.174	-11.174	0	%100
2	M73	Z	19.354	19.354	0	%100
3	M74	X	-11.174	-11.174	0	%100
4	M74	Z	19.354	19.354	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-1.681	-1.681	0	%100
8	M76	Z	2.912	2.912	0	%100
9	M77	X	-7.799	-7.799	0	%100
10	M77	Z	13.507	13.507	0	%100
11	M78	X	-4.023	-4.023	0	%100
12	M78	Z	6.967	6.967	0	%100
13	M79	X	-4.023	-4.023	0	%100
14	M79	Z	6.967	6.967	0	%100
15	M84	X	-.67	-.67	0	%100
16	M84	Z	1.161	1.161	0	%100
17	M85	X	-1.681	-1.681	0	%100
18	M85	Z	2.912	2.912	0	%100
19	M86	X	-7.799	-7.799	0	%100
20	M86	Z	13.507	13.507	0	%100
21	M87	X	-4.023	-4.023	0	%100
22	M87	Z	6.967	6.967	0	%100
23	M88	X	-4.023	-4.023	0	%100
24	M88	Z	6.967	6.967	0	%100
25	M93	X	-.67	-.67	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,%]
26	M93	Z	1.161	1.161	0	%100
27	M94	X	-6.725	-6.725	0	%100
28	M94	Z	11.648	11.648	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	-6.704	-6.704	0	%100
38	M103	Z	11.612	11.612	0	%100
39	M104	X	-6.704	-6.704	0	%100
40	M104	Z	11.612	11.612	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	-.67	-.67	0	%100
44	M106	Z	1.161	1.161	0	%100
45	M107	X	-.67	-.67	0	%100
46	M107	Z	1.161	1.161	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-4.246	-4.246	0	%100
50	MP5A	Z	7.355	7.355	0	%100
51	MP3A	X	-5.14	-5.14	0	%100
52	MP3A	Z	8.903	8.903	0	%100
53	MP2A	X	-4.246	-4.246	0	%100
54	MP2A	Z	7.355	7.355	0	%100
55	MP1A	X	-4.246	-4.246	0	%100
56	MP1A	Z	7.355	7.355	0	%100
57	MP4C	X	-4.246	-4.246	0	%100
58	MP4C	Z	7.355	7.355	0	%100
59	MP3C	X	-5.14	-5.14	0	%100
60	MP3C	Z	8.903	8.903	0	%100
61	MP2C	X	-4.246	-4.246	0	%100
62	MP2C	Z	7.355	7.355	0	%100
63	MP1C	X	-4.246	-4.246	0	%100
64	MP1C	Z	7.355	7.355	0	%100
65	MP4B	X	-4.246	-4.246	0	%100
66	MP4B	Z	7.355	7.355	0	%100
67	MP3B	X	-5.14	-5.14	0	%100
68	MP3B	Z	8.903	8.903	0	%100
69	MP2B	X	-4.246	-4.246	0	%100
70	MP2B	Z	7.355	7.355	0	%100
71	MP1B	X	-4.246	-4.246	0	%100
72	MP1B	Z	7.355	7.355	0	%100
73	M73A	X	-6.704	-6.704	0	%100
74	M73A	Z	11.612	11.612	0	%100
75	M74A	X	-6.704	-6.704	0	%100
76	M74A	Z	11.612	11.612	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-4.246	-4.246	0	%100
80	MP4A	Z	7.355	7.355	0	%100
81	M97B	X	-6.414	-6.414	0	%100
82	M97B	Z	11.11	11.11	0	%100
83	M98B	X	-6.414	-6.414	0	%100
84	M98B	Z	11.11	11.11	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,%]
85	M99B	X	-8.526	-8.526	0	%100
86	M99B	Z	14.768	14.768	0	%100
87	M100B	X	-3.855	-3.855	0	%100
88	M100B	Z	6.677	6.677	0	%100
89	M108A	X	-3.855	-3.855	0	%100
90	M108A	Z	6.677	6.677	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	-4.708	-4.708	0	%100
94	M124A	Z	8.155	8.155	0	%100
95	M125A	X	-4.708	-4.708	0	%100
96	M125A	Z	8.155	8.155	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	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	M73	X	-6.451	-6.451	0	%100
2	M73	Z	3.725	3.725	0	%100
3	M74	X	-25.805	-25.805	0	%100
4	M74	Z	14.899	14.899	0	%100
5	M75	X	-6.451	-6.451	0	%100
6	M75	Z	3.725	3.725	0	%100
7	M76	X	-8.736	-8.736	0	%100
8	M76	Z	5.044	5.044	0	%100
9	M77	X	-4.502	-4.502	0	%100
10	M77	Z	2.6	2.6	0	%100
11	M78	X	-2.322	-2.322	0	%100
12	M78	Z	1.341	1.341	0	%100
13	M79	X	-2.322	-2.322	0	%100
14	M79	Z	1.341	1.341	0	%100
15	M84	X	-.387	-.387	0	%100
16	M84	Z	.223	.223	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-18.01	-18.01	0	%100
20	M86	Z	10.398	10.398	0	%100
21	M87	X	-9.29	-9.29	0	%100
22	M87	Z	5.364	5.364	0	%100
23	M88	X	-9.29	-9.29	0	%100
24	M88	Z	5.364	5.364	0	%100
25	M93	X	-1.548	-1.548	0	%100
26	M93	Z	.894	.894	0	%100
27	M94	X	-8.736	-8.736	0	%100
28	M94	Z	5.044	5.044	0	%100
29	M95	X	-4.503	-4.503	0	%100
30	M95	Z	2.6	2.6	0	%100
31	M96	X	-2.322	-2.322	0	%100
32	M96	Z	1.341	1.341	0	%100
33	M97	X	-2.322	-2.322	0	%100
34	M97	Z	1.341	1.341	0	%100
35	M102	X	-.387	-.387	0	%100
36	M102	Z	.223	.223	0	%100
37	M103	X	-3.871	-3.871	0	%100
38	M103	Z	2.235	2.235	0	%100
39	M104	X	-15.483	-15.483	0	%100
40	M104	Z	8.939	8.939	0	%100
41	M105	X	-3.871	-3.871	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,%]
42	M105	Z	2.235	2.235	0	%100
43	M106	X	-.387	-.387	0	%100
44	M106	Z	.223	.223	0	%100
45	M107	X	-1.548	-1.548	0	%100
46	M107	Z	.894	.894	0	%100
47	M108	X	-.387	-.387	0	%100
48	M108	Z	.223	.223	0	%100
49	MP5A	X	-7.355	-7.355	0	%100
50	MP5A	Z	4.246	4.246	0	%100
51	MP3A	X	-8.903	-8.903	0	%100
52	MP3A	Z	5.14	5.14	0	%100
53	MP2A	X	-7.355	-7.355	0	%100
54	MP2A	Z	4.246	4.246	0	%100
55	MP1A	X	-7.355	-7.355	0	%100
56	MP1A	Z	4.246	4.246	0	%100
57	MP4C	X	-7.355	-7.355	0	%100
58	MP4C	Z	4.246	4.246	0	%100
59	MP3C	X	-8.903	-8.903	0	%100
60	MP3C	Z	5.14	5.14	0	%100
61	MP2C	X	-7.355	-7.355	0	%100
62	MP2C	Z	4.246	4.246	0	%100
63	MP1C	X	-7.355	-7.355	0	%100
64	MP1C	Z	4.246	4.246	0	%100
65	MP4B	X	-7.355	-7.355	0	%100
66	MP4B	Z	4.246	4.246	0	%100
67	MP3B	X	-8.903	-8.903	0	%100
68	MP3B	Z	5.14	5.14	0	%100
69	MP2B	X	-7.355	-7.355	0	%100
70	MP2B	Z	4.246	4.246	0	%100
71	MP1B	X	-7.355	-7.355	0	%100
72	MP1B	Z	4.246	4.246	0	%100
73	M73A	X	-3.871	-3.871	0	%100
74	M73A	Z	2.235	2.235	0	%100
75	M74A	X	-15.483	-15.483	0	%100
76	M74A	Z	8.939	8.939	0	%100
77	M75A	X	-3.871	-3.871	0	%100
78	M75A	Z	2.235	2.235	0	%100
79	MP4A	X	-7.355	-7.355	0	%100
80	MP4A	Z	4.246	4.246	0	%100
81	M97B	X	-13.548	-13.548	0	%100
82	M97B	Z	7.822	7.822	0	%100
83	M98B	X	-9.89	-9.89	0	%100
84	M98B	Z	5.71	5.71	0	%100
85	M99B	X	-13.548	-13.548	0	%100
86	M99B	Z	7.822	7.822	0	%100
87	M100B	X	-2.226	-2.226	0	%100
88	M100B	Z	1.285	1.285	0	%100
89	M108A	X	-8.903	-8.903	0	%100
90	M108A	Z	5.14	5.14	0	%100
91	M116	X	-2.226	-2.226	0	%100
92	M116	Z	1.285	1.285	0	%100
93	M124A	X	-10.873	-10.873	0	%100
94	M124A	Z	6.277	6.277	0	%100
95	M125A	X	-2.718	-2.718	0	%100
96	M125A	Z	1.569	1.569	0	%100
97	M126	X	-2.718	-2.718	0	%100
98	M126	Z	1.569	1.569	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	-22.348	-22.348	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-22.348	-22.348	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-13.45	-13.45	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-3.363	-3.363	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-15.597	-15.597	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	-8.045	-8.045	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	-8.045	-8.045	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	-1.341	-1.341	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-3.363	-3.363	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-15.597	-15.597	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	-8.045	-8.045	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	-8.045	-8.045	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	-1.341	-1.341	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	0	0	0	%100
39	M104	X	-13.409	-13.409	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-13.409	-13.409	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	-1.341	-1.341	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-1.341	-1.341	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-8.492	-8.492	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	-10.28	-10.28	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	-8.492	-8.492	0	%100
54	MP2A	Z	0	0	0	%100
55	MP1A	X	-8.492	-8.492	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	-8.492	-8.492	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	-10.28	-10.28	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP3C	Z	0	0	0	%100
61	MP2C	X	-8.492	-8.492	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	-8.492	-8.492	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	-8.492	-8.492	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	-10.28	-10.28	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	-8.492	-8.492	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	-8.492	-8.492	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-13.409	-13.409	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	-13.409	-13.409	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-8.492	-8.492	0	%100
80	MP4A	Z	0	0	0	%100
81	M97B	X	-17.052	-17.052	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	-12.828	-12.828	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	-12.828	-12.828	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	-7.71	-7.71	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-7.71	-7.71	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	-9.416	-9.416	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	0	0	0	%100
97	M126	X	-9.416	-9.416	0	%100
98	M126	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	M73	X	-6.451	-6.451	0	%100
2	M73	Z	-3.725	-3.725	0	%100
3	M74	X	-6.451	-6.451	0	%100
4	M74	Z	-3.725	-3.725	0	%100
5	M75	X	-25.805	-25.805	0	%100
6	M75	Z	-14.899	-14.899	0	%100
7	M76	X	-8.736	-8.736	0	%100
8	M76	Z	-5.044	-5.044	0	%100
9	M77	X	-4.503	-4.503	0	%100
10	M77	Z	-2.6	-2.6	0	%100
11	M78	X	-2.322	-2.322	0	%100
12	M78	Z	-1.341	-1.341	0	%100
13	M79	X	-2.322	-2.322	0	%100
14	M79	Z	-1.341	-1.341	0	%100
15	M84	X	-.387	-.387	0	%100
16	M84	Z	-.223	-.223	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,%]
17	M85	X	-8.736	-8.736	0	%100
18	M85	Z	-5.044	-5.044	0	%100
19	M86	X	-4.502	-4.502	0	%100
20	M86	Z	-2.6	-2.6	0	%100
21	M87	X	-2.322	-2.322	0	%100
22	M87	Z	-1.341	-1.341	0	%100
23	M88	X	-2.322	-2.322	0	%100
24	M88	Z	-1.341	-1.341	0	%100
25	M93	X	-.387	-.387	0	%100
26	M93	Z	-.223	-.223	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-18.01	-18.01	0	%100
30	M95	Z	-10.398	-10.398	0	%100
31	M96	X	-9.29	-9.29	0	%100
32	M96	Z	-5.364	-5.364	0	%100
33	M97	X	-9.29	-9.29	0	%100
34	M97	Z	-5.364	-5.364	0	%100
35	M102	X	-1.548	-1.548	0	%100
36	M102	Z	-.894	-.894	0	%100
37	M103	X	-3.871	-3.871	0	%100
38	M103	Z	-2.235	-2.235	0	%100
39	M104	X	-3.871	-3.871	0	%100
40	M104	Z	-2.235	-2.235	0	%100
41	M105	X	-15.483	-15.483	0	%100
42	M105	Z	-8.939	-8.939	0	%100
43	M106	X	-.387	-.387	0	%100
44	M106	Z	-.223	-.223	0	%100
45	M107	X	-.387	-.387	0	%100
46	M107	Z	-.223	-.223	0	%100
47	M108	X	-1.548	-1.548	0	%100
48	M108	Z	-.894	-.894	0	%100
49	MP5A	X	-7.355	-7.355	0	%100
50	MP5A	Z	-4.246	-4.246	0	%100
51	MP3A	X	-8.903	-8.903	0	%100
52	MP3A	Z	-5.14	-5.14	0	%100
53	MP2A	X	-7.355	-7.355	0	%100
54	MP2A	Z	-4.246	-4.246	0	%100
55	MP1A	X	-7.355	-7.355	0	%100
56	MP1A	Z	-4.246	-4.246	0	%100
57	MP4C	X	-7.355	-7.355	0	%100
58	MP4C	Z	-4.246	-4.246	0	%100
59	MP3C	X	-8.903	-8.903	0	%100
60	MP3C	Z	-5.14	-5.14	0	%100
61	MP2C	X	-7.355	-7.355	0	%100
62	MP2C	Z	-4.246	-4.246	0	%100
63	MP1C	X	-7.355	-7.355	0	%100
64	MP1C	Z	-4.246	-4.246	0	%100
65	MP4B	X	-7.355	-7.355	0	%100
66	MP4B	Z	-4.246	-4.246	0	%100
67	MP3B	X	-8.903	-8.903	0	%100
68	MP3B	Z	-5.14	-5.14	0	%100
69	MP2B	X	-7.355	-7.355	0	%100
70	MP2B	Z	-4.246	-4.246	0	%100
71	MP1B	X	-7.355	-7.355	0	%100
72	MP1B	Z	-4.246	-4.246	0	%100
73	M73A	X	-3.871	-3.871	0	%100
74	M73A	Z	-2.235	-2.235	0	%100
75	M74A	X	-3.871	-3.871	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,%]
76	M74A	Z	-2.235	-2.235	0	%100
77	M75A	X	-15.483	-15.483	0	%100
78	M75A	Z	-8.939	-8.939	0	%100
79	MP4A	X	-7.355	-7.355	0	%100
80	MP4A	Z	-4.246	-4.246	0	%100
81	M97B	X	-13.548	-13.548	0	%100
82	M97B	Z	-7.822	-7.822	0	%100
83	M98B	X	-13.548	-13.548	0	%100
84	M98B	Z	-7.822	-7.822	0	%100
85	M99B	X	-9.89	-9.89	0	%100
86	M99B	Z	-5.71	-5.71	0	%100
87	M100B	X	-2.226	-2.226	0	%100
88	M100B	Z	-1.285	-1.285	0	%100
89	M108A	X	-2.226	-2.226	0	%100
90	M108A	Z	-1.285	-1.285	0	%100
91	M116	X	-8.903	-8.903	0	%100
92	M116	Z	-5.14	-5.14	0	%100
93	M124A	X	-2.718	-2.718	0	%100
94	M124A	Z	-1.569	-1.569	0	%100
95	M125A	X	-2.718	-2.718	0	%100
96	M125A	Z	-1.569	-1.569	0	%100
97	M126	X	-10.873	-10.873	0	%100
98	M126	Z	-6.277	-6.277	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	M73	X	-11.174	-11.174	0	%100
2	M73	Z	-19.354	-19.354	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-11.174	-11.174	0	%100
6	M75	Z	-19.354	-19.354	0	%100
7	M76	X	-1.681	-1.681	0	%100
8	M76	Z	-2.912	-2.912	0	%100
9	M77	X	-7.799	-7.799	0	%100
10	M77	Z	-13.507	-13.507	0	%100
11	M78	X	-4.023	-4.023	0	%100
12	M78	Z	-6.967	-6.967	0	%100
13	M79	X	-4.023	-4.023	0	%100
14	M79	Z	-6.967	-6.967	0	%100
15	M84	X	-.67	-.67	0	%100
16	M84	Z	-1.161	-1.161	0	%100
17	M85	X	-6.725	-6.725	0	%100
18	M85	Z	-11.648	-11.648	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-1.681	-1.681	0	%100
28	M94	Z	-2.912	-2.912	0	%100
29	M95	X	-7.799	-7.799	0	%100
30	M95	Z	-13.507	-13.507	0	%100
31	M96	X	-4.023	-4.023	0	%100
32	M96	Z	-6.967	-6.967	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,%]
33	M97	X	-4.023	-4.023	0	%100
34	M97	Z	-6.967	-6.967	0	%100
35	M102	X	-.67	-.67	0	%100
36	M102	Z	-1.161	-1.161	0	%100
37	M103	X	-6.704	-6.704	0	%100
38	M103	Z	-11.612	-11.612	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-6.704	-6.704	0	%100
42	M105	Z	-11.612	-11.612	0	%100
43	M106	X	-.67	-.67	0	%100
44	M106	Z	-1.161	-1.161	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-.67	-.67	0	%100
48	M108	Z	-1.161	-1.161	0	%100
49	MP5A	X	-4.246	-4.246	0	%100
50	MP5A	Z	-7.355	-7.355	0	%100
51	MP3A	X	-5.14	-5.14	0	%100
52	MP3A	Z	-8.903	-8.903	0	%100
53	MP2A	X	-4.246	-4.246	0	%100
54	MP2A	Z	-7.355	-7.355	0	%100
55	MP1A	X	-4.246	-4.246	0	%100
56	MP1A	Z	-7.355	-7.355	0	%100
57	MP4C	X	-4.246	-4.246	0	%100
58	MP4C	Z	-7.355	-7.355	0	%100
59	MP3C	X	-5.14	-5.14	0	%100
60	MP3C	Z	-8.903	-8.903	0	%100
61	MP2C	X	-4.246	-4.246	0	%100
62	MP2C	Z	-7.355	-7.355	0	%100
63	MP1C	X	-4.246	-4.246	0	%100
64	MP1C	Z	-7.355	-7.355	0	%100
65	MP4B	X	-4.246	-4.246	0	%100
66	MP4B	Z	-7.355	-7.355	0	%100
67	MP3B	X	-5.14	-5.14	0	%100
68	MP3B	Z	-8.903	-8.903	0	%100
69	MP2B	X	-4.246	-4.246	0	%100
70	MP2B	Z	-7.355	-7.355	0	%100
71	MP1B	X	-4.246	-4.246	0	%100
72	MP1B	Z	-7.355	-7.355	0	%100
73	M73A	X	-6.704	-6.704	0	%100
74	M73A	Z	-11.612	-11.612	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	-6.704	-6.704	0	%100
78	M75A	Z	-11.612	-11.612	0	%100
79	MP4A	X	-4.246	-4.246	0	%100
80	MP4A	Z	-7.355	-7.355	0	%100
81	M97B	X	-6.414	-6.414	0	%100
82	M97B	Z	-11.11	-11.11	0	%100
83	M98B	X	-8.526	-8.526	0	%100
84	M98B	Z	-14.768	-14.768	0	%100
85	M99B	X	-6.414	-6.414	0	%100
86	M99B	Z	-11.11	-11.11	0	%100
87	M100B	X	-3.855	-3.855	0	%100
88	M100B	Z	-6.677	-6.677	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-3.855	-3.855	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,%]
92	M116	Z	-6.677	-6.677	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	-4.708	-4.708	0	%100
96	M125A	Z	-8.155	-8.155	0	%100
97	M126	X	-4.708	-4.708	0	%100
98	M126	Z	-8.155	-8.155	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	M73	X	0	0	0	%100
2	M73	Z	-6.638	-6.638	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	-1.66	-1.66	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-1.66	-1.66	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	-5.076	-5.076	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-2.717	-2.717	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-2.717	-2.717	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	-1.27	-1.27	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-2.85	-2.85	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	-1.269	-1.269	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	-.679	-.679	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	-.679	-.679	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	-.317	-.317	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	-2.85	-2.85	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	-1.269	-1.269	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	-.679	-.679	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	-.679	-.679	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	-.317	-.317	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	-4.569	-4.569	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	-1.142	-1.142	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	-1.142	-1.142	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	-1.247	-1.247	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	-.312	-.312	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	-.312	-.312	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,%]
49	MP5A	X	0	0	0	%100
50	MP5A	Z	-2.939	-2.939	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-3.25	-3.25	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	-2.939	-2.939	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-2.939	-2.939	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-2.939	-2.939	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	-3.25	-3.25	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	-2.939	-2.939	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-2.939	-2.939	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-2.939	-2.939	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-3.25	-3.25	0	%100
69	MP2B	X	0	0	0	%100
70	MP2B	Z	-2.939	-2.939	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-2.939	-2.939	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-4.569	-4.569	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-1.142	-1.142	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	-1.142	-1.142	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-2.939	-2.939	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	-2.564	-2.564	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	-3.96	-3.96	0	%100
85	M99B	X	0	0	0	%100
86	M99B	Z	-3.96	-3.96	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	-3.25	-3.25	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	-.812	-.812	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	-.812	-.812	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	-.803	-.803	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	-3.212	-3.212	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	-.803	-.803	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	M73	X	2.489	2.489	0	%100
2	M73	Z	-4.312	-4.312	0	%100
3	M74	X	2.489	2.489	0	%100
4	M74	Z	-4.312	-4.312	0	%100
5	M75	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
6	M75	Z	0	0	0	%100
7	M76	X	.475	.475	0	%100
8	M76	Z	-.823	-.823	0	%100
9	M77	X	1.903	1.903	0	%100
10	M77	Z	-3.297	-3.297	0	%100
11	M78	X	1.019	1.019	0	%100
12	M78	Z	-1.765	-1.765	0	%100
13	M79	X	1.019	1.019	0	%100
14	M79	Z	-1.765	-1.765	0	%100
15	M84	X	.476	.476	0	%100
16	M84	Z	-.825	-.825	0	%100
17	M85	X	.475	.475	0	%100
18	M85	Z	-.823	-.823	0	%100
19	M86	X	1.903	1.903	0	%100
20	M86	Z	-3.297	-3.297	0	%100
21	M87	X	1.019	1.019	0	%100
22	M87	Z	-1.765	-1.765	0	%100
23	M88	X	1.019	1.019	0	%100
24	M88	Z	-1.765	-1.765	0	%100
25	M93	X	.476	.476	0	%100
26	M93	Z	-.825	-.825	0	%100
27	M94	X	1.9	1.9	0	%100
28	M94	Z	-3.291	-3.291	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	1.713	1.713	0	%100
38	M103	Z	-2.968	-2.968	0	%100
39	M104	X	1.713	1.713	0	%100
40	M104	Z	-2.968	-2.968	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	.467	.467	0	%100
44	M106	Z	-.81	-.81	0	%100
45	M107	X	.467	.467	0	%100
46	M107	Z	-.81	-.81	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	1.47	1.47	0	%100
50	MP5A	Z	-2.546	-2.546	0	%100
51	MP3A	X	1.625	1.625	0	%100
52	MP3A	Z	-2.814	-2.814	0	%100
53	MP2A	X	1.47	1.47	0	%100
54	MP2A	Z	-2.546	-2.546	0	%100
55	MP1A	X	1.47	1.47	0	%100
56	MP1A	Z	-2.546	-2.546	0	%100
57	MP4C	X	1.47	1.47	0	%100
58	MP4C	Z	-2.546	-2.546	0	%100
59	MP3C	X	1.625	1.625	0	%100
60	MP3C	Z	-2.814	-2.814	0	%100
61	MP2C	X	1.47	1.47	0	%100
62	MP2C	Z	-2.546	-2.546	0	%100
63	MP1C	X	1.47	1.47	0	%100
64	MP1C	Z	-2.546	-2.546	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,%]
65	MP4B	X	1.47	1.47	0	%100
66	MP4B	Z	-2.546	-2.546	0	%100
67	MP3B	X	1.625	1.625	0	%100
68	MP3B	Z	-2.814	-2.814	0	%100
69	MP2B	X	1.47	1.47	0	%100
70	MP2B	Z	-2.546	-2.546	0	%100
71	MP1B	X	1.47	1.47	0	%100
72	MP1B	Z	-2.546	-2.546	0	%100
73	M73A	X	1.713	1.713	0	%100
74	M73A	Z	-2.968	-2.968	0	%100
75	M74A	X	1.713	1.713	0	%100
76	M74A	Z	-2.968	-2.968	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	1.47	1.47	0	%100
80	MP4A	Z	-2.546	-2.546	0	%100
81	M97B	X	1.515	1.515	0	%100
82	M97B	Z	-2.623	-2.623	0	%100
83	M98B	X	1.515	1.515	0	%100
84	M98B	Z	-2.623	-2.623	0	%100
85	M99B	X	2.213	2.213	0	%100
86	M99B	Z	-3.833	-3.833	0	%100
87	M100B	X	1.219	1.219	0	%100
88	M100B	Z	-2.111	-2.111	0	%100
89	M108A	X	1.219	1.219	0	%100
90	M108A	Z	-2.111	-2.111	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	1.205	1.205	0	%100
94	M124A	Z	-2.087	-2.087	0	%100
95	M125A	X	1.205	1.205	0	%100
96	M125A	Z	-2.087	-2.087	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M73	X	1.437	1.437	0	%100
2	M73	Z	-.83	-.83	0	%100
3	M74	X	5.749	5.749	0	%100
4	M74	Z	-3.319	-3.319	0	%100
5	M75	X	1.437	1.437	0	%100
6	M75	Z	-.83	-.83	0	%100
7	M76	X	2.468	2.468	0	%100
8	M76	Z	-1.425	-1.425	0	%100
9	M77	X	1.099	1.099	0	%100
10	M77	Z	-.634	-.634	0	%100
11	M78	X	.588	.588	0	%100
12	M78	Z	-.34	-.34	0	%100
13	M79	X	.588	.588	0	%100
14	M79	Z	-.34	-.34	0	%100
15	M84	X	.275	.275	0	%100
16	M84	Z	-.159	-.159	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	4.396	4.396	0	%100
20	M86	Z	-2.538	-2.538	0	%100
21	M87	X	2.353	2.353	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,%]
22	M87	Z	-1.358	-1.358	0	%100
23	M88	X	2.353	2.353	0	%100
24	M88	Z	-1.358	-1.358	0	%100
25	M93	X	1.1	1.1	0	%100
26	M93	Z	-.635	-.635	0	%100
27	M94	X	2.468	2.468	0	%100
28	M94	Z	-1.425	-1.425	0	%100
29	M95	X	1.099	1.099	0	%100
30	M95	Z	-.634	-.634	0	%100
31	M96	X	.588	.588	0	%100
32	M96	Z	-.34	-.34	0	%100
33	M97	X	.588	.588	0	%100
34	M97	Z	-.34	-.34	0	%100
35	M102	X	.275	.275	0	%100
36	M102	Z	-.159	-.159	0	%100
37	M103	X	.989	.989	0	%100
38	M103	Z	-.571	-.571	0	%100
39	M104	X	3.957	3.957	0	%100
40	M104	Z	-2.284	-2.284	0	%100
41	M105	X	.989	.989	0	%100
42	M105	Z	-.571	-.571	0	%100
43	M106	X	.27	.27	0	%100
44	M106	Z	-.156	-.156	0	%100
45	M107	X	1.08	1.08	0	%100
46	M107	Z	-.623	-.623	0	%100
47	M108	X	.27	.27	0	%100
48	M108	Z	-.156	-.156	0	%100
49	MP5A	X	2.546	2.546	0	%100
50	MP5A	Z	-1.47	-1.47	0	%100
51	MP3A	X	2.814	2.814	0	%100
52	MP3A	Z	-1.625	-1.625	0	%100
53	MP2A	X	2.546	2.546	0	%100
54	MP2A	Z	-1.47	-1.47	0	%100
55	MP1A	X	2.546	2.546	0	%100
56	MP1A	Z	-1.47	-1.47	0	%100
57	MP4C	X	2.546	2.546	0	%100
58	MP4C	Z	-1.47	-1.47	0	%100
59	MP3C	X	2.814	2.814	0	%100
60	MP3C	Z	-1.625	-1.625	0	%100
61	MP2C	X	2.546	2.546	0	%100
62	MP2C	Z	-1.47	-1.47	0	%100
63	MP1C	X	2.546	2.546	0	%100
64	MP1C	Z	-1.47	-1.47	0	%100
65	MP4B	X	2.546	2.546	0	%100
66	MP4B	Z	-1.47	-1.47	0	%100
67	MP3B	X	2.814	2.814	0	%100
68	MP3B	Z	-1.625	-1.625	0	%100
69	MP2B	X	2.546	2.546	0	%100
70	MP2B	Z	-1.47	-1.47	0	%100
71	MP1B	X	2.546	2.546	0	%100
72	MP1B	Z	-1.47	-1.47	0	%100
73	M73A	X	.989	.989	0	%100
74	M73A	Z	-.571	-.571	0	%100
75	M74A	X	3.957	3.957	0	%100
76	M74A	Z	-2.284	-2.284	0	%100
77	M75A	X	.989	.989	0	%100
78	M75A	Z	-.571	-.571	0	%100
79	MP4A	X	2.546	2.546	0	%100
80	MP4A	Z	-1.47	-1.47	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,%]
81	M97B	X	3.43	3.43	0	%100
82	M97B	Z	-1.98	-1.98	0	%100
83	M98B	X	2.22	2.22	0	%100
84	M98B	Z	-1.282	-1.282	0	%100
85	M99B	X	3.43	3.43	0	%100
86	M99B	Z	-1.98	-1.98	0	%100
87	M100B	X	.704	.704	0	%100
88	M100B	Z	-.406	-.406	0	%100
89	M108A	X	2.814	2.814	0	%100
90	M108A	Z	-1.625	-1.625	0	%100
91	M116	X	.704	.704	0	%100
92	M116	Z	-.406	-.406	0	%100
93	M124A	X	2.782	2.782	0	%100
94	M124A	Z	-1.606	-1.606	0	%100
95	M125A	X	.696	.696	0	%100
96	M125A	Z	-.402	-.402	0	%100
97	M126	X	.696	.696	0	%100
98	M126	Z	-.402	-.402	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	4.979	4.979	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	4.979	4.979	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	3.8	3.8	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	.95	.95	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	3.807	3.807	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	2.038	2.038	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	2.038	2.038	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	.952	.952	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	.95	.95	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	3.807	3.807	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	2.038	2.038	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	2.038	2.038	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	.952	.952	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
38	M103	Z	0	0	0	%100
39	M104	X	3.427	3.427	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	3.427	3.427	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	.935	.935	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	.935	.935	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	2.939	2.939	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	3.25	3.25	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	2.939	2.939	0	%100
54	MP2A	Z	0	0	0	%100
55	MP1A	X	2.939	2.939	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	2.939	2.939	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	3.25	3.25	0	%100
60	MP3C	Z	0	0	0	%100
61	MP2C	X	2.939	2.939	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	2.939	2.939	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	2.939	2.939	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	3.25	3.25	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	2.939	2.939	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	2.939	2.939	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	3.427	3.427	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	3.427	3.427	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	2.939	2.939	0	%100
80	MP4A	Z	0	0	0	%100
81	M97B	X	4.426	4.426	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	3.029	3.029	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	3.029	3.029	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	2.437	2.437	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	2.437	2.437	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	2.409	2.409	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	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,%]
97	M126	X	2.409	2.409	0	%100
98	M126	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	M73	X	1.437	1.437	0	%100
2	M73	Z	.83	.83	0	%100
3	M74	X	1.437	1.437	0	%100
4	M74	Z	.83	.83	0	%100
5	M75	X	5.749	5.749	0	%100
6	M75	Z	3.319	3.319	0	%100
7	M76	X	2.468	2.468	0	%100
8	M76	Z	1.425	1.425	0	%100
9	M77	X	1.099	1.099	0	%100
10	M77	Z	.634	.634	0	%100
11	M78	X	.588	.588	0	%100
12	M78	Z	.34	.34	0	%100
13	M79	X	.588	.588	0	%100
14	M79	Z	.34	.34	0	%100
15	M84	X	.275	.275	0	%100
16	M84	Z	.159	.159	0	%100
17	M85	X	2.468	2.468	0	%100
18	M85	Z	1.425	1.425	0	%100
19	M86	X	1.099	1.099	0	%100
20	M86	Z	.634	.634	0	%100
21	M87	X	.588	.588	0	%100
22	M87	Z	.34	.34	0	%100
23	M88	X	.588	.588	0	%100
24	M88	Z	.34	.34	0	%100
25	M93	X	.275	.275	0	%100
26	M93	Z	.159	.159	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	4.396	4.396	0	%100
30	M95	Z	2.538	2.538	0	%100
31	M96	X	2.353	2.353	0	%100
32	M96	Z	1.358	1.358	0	%100
33	M97	X	2.353	2.353	0	%100
34	M97	Z	1.358	1.358	0	%100
35	M102	X	1.1	1.1	0	%100
36	M102	Z	.635	.635	0	%100
37	M103	X	.989	.989	0	%100
38	M103	Z	.571	.571	0	%100
39	M104	X	.989	.989	0	%100
40	M104	Z	.571	.571	0	%100
41	M105	X	3.957	3.957	0	%100
42	M105	Z	2.284	2.284	0	%100
43	M106	X	.27	.27	0	%100
44	M106	Z	.156	.156	0	%100
45	M107	X	.27	.27	0	%100
46	M107	Z	.156	.156	0	%100
47	M108	X	1.08	1.08	0	%100
48	M108	Z	.623	.623	0	%100
49	MP5A	X	2.546	2.546	0	%100
50	MP5A	Z	1.47	1.47	0	%100
51	MP3A	X	2.814	2.814	0	%100
52	MP3A	Z	1.625	1.625	0	%100
53	MP2A	X	2.546	2.546	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,%]
54	MP2A	Z	1.47	1.47	0	%100
55	MP1A	X	2.546	2.546	0	%100
56	MP1A	Z	1.47	1.47	0	%100
57	MP4C	X	2.546	2.546	0	%100
58	MP4C	Z	1.47	1.47	0	%100
59	MP3C	X	2.814	2.814	0	%100
60	MP3C	Z	1.625	1.625	0	%100
61	MP2C	X	2.546	2.546	0	%100
62	MP2C	Z	1.47	1.47	0	%100
63	MP1C	X	2.546	2.546	0	%100
64	MP1C	Z	1.47	1.47	0	%100
65	MP4B	X	2.546	2.546	0	%100
66	MP4B	Z	1.47	1.47	0	%100
67	MP3B	X	2.814	2.814	0	%100
68	MP3B	Z	1.625	1.625	0	%100
69	MP2B	X	2.546	2.546	0	%100
70	MP2B	Z	1.47	1.47	0	%100
71	MP1B	X	2.546	2.546	0	%100
72	MP1B	Z	1.47	1.47	0	%100
73	M73A	X	.989	.989	0	%100
74	M73A	Z	.571	.571	0	%100
75	M74A	X	.989	.989	0	%100
76	M74A	Z	.571	.571	0	%100
77	M75A	X	3.957	3.957	0	%100
78	M75A	Z	2.284	2.284	0	%100
79	MP4A	X	2.546	2.546	0	%100
80	MP4A	Z	1.47	1.47	0	%100
81	M97B	X	3.43	3.43	0	%100
82	M97B	Z	1.98	1.98	0	%100
83	M98B	X	3.43	3.43	0	%100
84	M98B	Z	1.98	1.98	0	%100
85	M99B	X	2.22	2.22	0	%100
86	M99B	Z	1.282	1.282	0	%100
87	M100B	X	.704	.704	0	%100
88	M100B	Z	.406	.406	0	%100
89	M108A	X	.704	.704	0	%100
90	M108A	Z	.406	.406	0	%100
91	M116	X	2.814	2.814	0	%100
92	M116	Z	1.625	1.625	0	%100
93	M124A	X	.696	.696	0	%100
94	M124A	Z	.402	.402	0	%100
95	M125A	X	.696	.696	0	%100
96	M125A	Z	.402	.402	0	%100
97	M126	X	2.782	2.782	0	%100
98	M126	Z	1.606	1.606	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	M73	X	2.489	2.489	0	%100
2	M73	Z	4.312	4.312	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	2.489	2.489	0	%100
6	M75	Z	4.312	4.312	0	%100
7	M76	X	.475	.475	0	%100
8	M76	Z	.823	.823	0	%100
9	M77	X	1.903	1.903	0	%100
10	M77	Z	3.297	3.297	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,%]
11	M78	X	1.019	1.019	0	%100
12	M78	Z	1.765	1.765	0	%100
13	M79	X	1.019	1.019	0	%100
14	M79	Z	1.765	1.765	0	%100
15	M84	X	.476	.476	0	%100
16	M84	Z	.825	.825	0	%100
17	M85	X	1.9	1.9	0	%100
18	M85	Z	3.291	3.291	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	.475	.475	0	%100
28	M94	Z	.823	.823	0	%100
29	M95	X	1.903	1.903	0	%100
30	M95	Z	3.297	3.297	0	%100
31	M96	X	1.019	1.019	0	%100
32	M96	Z	1.765	1.765	0	%100
33	M97	X	1.019	1.019	0	%100
34	M97	Z	1.765	1.765	0	%100
35	M102	X	.476	.476	0	%100
36	M102	Z	.825	.825	0	%100
37	M103	X	1.713	1.713	0	%100
38	M103	Z	2.968	2.968	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	1.713	1.713	0	%100
42	M105	Z	2.968	2.968	0	%100
43	M106	X	.467	.467	0	%100
44	M106	Z	.81	.81	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	.467	.467	0	%100
48	M108	Z	.81	.81	0	%100
49	MP5A	X	1.47	1.47	0	%100
50	MP5A	Z	2.546	2.546	0	%100
51	MP3A	X	1.625	1.625	0	%100
52	MP3A	Z	2.814	2.814	0	%100
53	MP2A	X	1.47	1.47	0	%100
54	MP2A	Z	2.546	2.546	0	%100
55	MP1A	X	1.47	1.47	0	%100
56	MP1A	Z	2.546	2.546	0	%100
57	MP4C	X	1.47	1.47	0	%100
58	MP4C	Z	2.546	2.546	0	%100
59	MP3C	X	1.625	1.625	0	%100
60	MP3C	Z	2.814	2.814	0	%100
61	MP2C	X	1.47	1.47	0	%100
62	MP2C	Z	2.546	2.546	0	%100
63	MP1C	X	1.47	1.47	0	%100
64	MP1C	Z	2.546	2.546	0	%100
65	MP4B	X	1.47	1.47	0	%100
66	MP4B	Z	2.546	2.546	0	%100
67	MP3B	X	1.625	1.625	0	%100
68	MP3B	Z	2.814	2.814	0	%100
69	MP2B	X	1.47	1.47	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,%]
70	MP2B	Z	2.546	2.546	0	%100
71	MP1B	X	1.47	1.47	0	%100
72	MP1B	Z	2.546	2.546	0	%100
73	M73A	X	1.713	1.713	0	%100
74	M73A	Z	2.968	2.968	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	1.713	1.713	0	%100
78	M75A	Z	2.968	2.968	0	%100
79	MP4A	X	1.47	1.47	0	%100
80	MP4A	Z	2.546	2.546	0	%100
81	M97B	X	1.515	1.515	0	%100
82	M97B	Z	2.623	2.623	0	%100
83	M98B	X	2.213	2.213	0	%100
84	M98B	Z	3.833	3.833	0	%100
85	M99B	X	1.515	1.515	0	%100
86	M99B	Z	2.623	2.623	0	%100
87	M100B	X	1.219	1.219	0	%100
88	M100B	Z	2.111	2.111	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	1.219	1.219	0	%100
92	M116	Z	2.111	2.111	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	1.205	1.205	0	%100
96	M125A	Z	2.087	2.087	0	%100
97	M126	X	1.205	1.205	0	%100
98	M126	Z	2.087	2.087	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	M73	X	0	0	0	%100
2	M73	Z	6.638	6.638	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	1.66	1.66	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	1.66	1.66	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	5.076	5.076	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	2.717	2.717	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	2.717	2.717	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	1.27	1.27	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	2.85	2.85	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	1.269	1.269	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	.679	.679	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	.679	.679	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	.317	.317	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,%]
27	M94	X	0	0	0	%100
28	M94	Z	2.85	2.85	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	1.269	1.269	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	.679	.679	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	.679	.679	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	.317	.317	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	4.569	4.569	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	1.142	1.142	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	1.142	1.142	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	1.247	1.247	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	.312	.312	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	.312	.312	0	%100
49	MP5A	X	0	0	0	%100
50	MP5A	Z	2.939	2.939	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	3.25	3.25	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	2.939	2.939	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	2.939	2.939	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	2.939	2.939	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	3.25	3.25	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	2.939	2.939	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	2.939	2.939	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	2.939	2.939	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	3.25	3.25	0	%100
69	MP2B	X	0	0	0	%100
70	MP2B	Z	2.939	2.939	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	2.939	2.939	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	4.569	4.569	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	1.142	1.142	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	1.142	1.142	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	2.939	2.939	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	2.564	2.564	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	3.96	3.96	0	%100
85	M99B	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,%]
86	M99B	Z	3.96	3.96	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	3.25	3.25	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	.812	.812	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	.812	.812	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	.803	.803	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	3.212	3.212	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	.803	.803	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	M73	X	-2.489	-2.489	0	%100
2	M73	Z	4.312	4.312	0	%100
3	M74	X	-2.489	-2.489	0	%100
4	M74	Z	4.312	4.312	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-.475	-.475	0	%100
8	M76	Z	.823	.823	0	%100
9	M77	X	-1.903	-1.903	0	%100
10	M77	Z	3.297	3.297	0	%100
11	M78	X	-1.019	-1.019	0	%100
12	M78	Z	1.765	1.765	0	%100
13	M79	X	-1.019	-1.019	0	%100
14	M79	Z	1.765	1.765	0	%100
15	M84	X	-.476	-.476	0	%100
16	M84	Z	.825	.825	0	%100
17	M85	X	-.475	-.475	0	%100
18	M85	Z	.823	.823	0	%100
19	M86	X	-1.903	-1.903	0	%100
20	M86	Z	3.297	3.297	0	%100
21	M87	X	-1.019	-1.019	0	%100
22	M87	Z	1.765	1.765	0	%100
23	M88	X	-1.019	-1.019	0	%100
24	M88	Z	1.765	1.765	0	%100
25	M93	X	-.476	-.476	0	%100
26	M93	Z	.825	.825	0	%100
27	M94	X	-1.9	-1.9	0	%100
28	M94	Z	3.291	3.291	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	-1.713	-1.713	0	%100
38	M103	Z	2.968	2.968	0	%100
39	M104	X	-1.713	-1.713	0	%100
40	M104	Z	2.968	2.968	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	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,%]
43	M106	X	-.467	-.467	0	%100
44	M106	Z	.81	.81	0	%100
45	M107	X	-.467	-.467	0	%100
46	M107	Z	.81	.81	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-1.47	-1.47	0	%100
50	MP5A	Z	2.546	2.546	0	%100
51	MP3A	X	-1.625	-1.625	0	%100
52	MP3A	Z	2.814	2.814	0	%100
53	MP2A	X	-1.47	-1.47	0	%100
54	MP2A	Z	2.546	2.546	0	%100
55	MP1A	X	-1.47	-1.47	0	%100
56	MP1A	Z	2.546	2.546	0	%100
57	MP4C	X	-1.47	-1.47	0	%100
58	MP4C	Z	2.546	2.546	0	%100
59	MP3C	X	-1.625	-1.625	0	%100
60	MP3C	Z	2.814	2.814	0	%100
61	MP2C	X	-1.47	-1.47	0	%100
62	MP2C	Z	2.546	2.546	0	%100
63	MP1C	X	-1.47	-1.47	0	%100
64	MP1C	Z	2.546	2.546	0	%100
65	MP4B	X	-1.47	-1.47	0	%100
66	MP4B	Z	2.546	2.546	0	%100
67	MP3B	X	-1.625	-1.625	0	%100
68	MP3B	Z	2.814	2.814	0	%100
69	MP2B	X	-1.47	-1.47	0	%100
70	MP2B	Z	2.546	2.546	0	%100
71	MP1B	X	-1.47	-1.47	0	%100
72	MP1B	Z	2.546	2.546	0	%100
73	M73A	X	-1.713	-1.713	0	%100
74	M73A	Z	2.968	2.968	0	%100
75	M74A	X	-1.713	-1.713	0	%100
76	M74A	Z	2.968	2.968	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-1.47	-1.47	0	%100
80	MP4A	Z	2.546	2.546	0	%100
81	M97B	X	-1.515	-1.515	0	%100
82	M97B	Z	2.623	2.623	0	%100
83	M98B	X	-1.515	-1.515	0	%100
84	M98B	Z	2.623	2.623	0	%100
85	M99B	X	-2.213	-2.213	0	%100
86	M99B	Z	3.833	3.833	0	%100
87	M100B	X	-1.219	-1.219	0	%100
88	M100B	Z	2.111	2.111	0	%100
89	M108A	X	-1.219	-1.219	0	%100
90	M108A	Z	2.111	2.111	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	-1.205	-1.205	0	%100
94	M124A	Z	2.087	2.087	0	%100
95	M125A	X	-1.205	-1.205	0	%100
96	M125A	Z	2.087	2.087	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	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,%]

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,%]
1	M73	X	-1.437	-1.437	0	%100
2	M73	Z	.83	.83	0	%100
3	M74	X	-5.749	-5.749	0	%100
4	M74	Z	3.319	3.319	0	%100
5	M75	X	-1.437	-1.437	0	%100
6	M75	Z	.83	.83	0	%100
7	M76	X	-2.468	-2.468	0	%100
8	M76	Z	1.425	1.425	0	%100
9	M77	X	-1.099	-1.099	0	%100
10	M77	Z	.634	.634	0	%100
11	M78	X	-.588	-.588	0	%100
12	M78	Z	.34	.34	0	%100
13	M79	X	-.588	-.588	0	%100
14	M79	Z	.34	.34	0	%100
15	M84	X	-.275	-.275	0	%100
16	M84	Z	.159	.159	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-4.396	-4.396	0	%100
20	M86	Z	2.538	2.538	0	%100
21	M87	X	-2.353	-2.353	0	%100
22	M87	Z	1.358	1.358	0	%100
23	M88	X	-2.353	-2.353	0	%100
24	M88	Z	1.358	1.358	0	%100
25	M93	X	-1.1	-1.1	0	%100
26	M93	Z	.635	.635	0	%100
27	M94	X	-2.468	-2.468	0	%100
28	M94	Z	1.425	1.425	0	%100
29	M95	X	-1.099	-1.099	0	%100
30	M95	Z	.634	.634	0	%100
31	M96	X	-.588	-.588	0	%100
32	M96	Z	.34	.34	0	%100
33	M97	X	-.588	-.588	0	%100
34	M97	Z	.34	.34	0	%100
35	M102	X	-.275	-.275	0	%100
36	M102	Z	.159	.159	0	%100
37	M103	X	-.989	-.989	0	%100
38	M103	Z	.571	.571	0	%100
39	M104	X	-3.957	-3.957	0	%100
40	M104	Z	2.284	2.284	0	%100
41	M105	X	-.989	-.989	0	%100
42	M105	Z	.571	.571	0	%100
43	M106	X	-.27	-.27	0	%100
44	M106	Z	.156	.156	0	%100
45	M107	X	-1.08	-1.08	0	%100
46	M107	Z	.623	.623	0	%100
47	M108	X	-.27	-.27	0	%100
48	M108	Z	.156	.156	0	%100
49	MP5A	X	-2.546	-2.546	0	%100
50	MP5A	Z	1.47	1.47	0	%100
51	MP3A	X	-2.814	-2.814	0	%100
52	MP3A	Z	1.625	1.625	0	%100
53	MP2A	X	-2.546	-2.546	0	%100
54	MP2A	Z	1.47	1.47	0	%100
55	MP1A	X	-2.546	-2.546	0	%100
56	MP1A	Z	1.47	1.47	0	%100
57	MP4C	X	-2.546	-2.546	0	%100
58	MP4C	Z	1.47	1.47	0	%100
59	MP3C	X	-2.814	-2.814	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP3C	Z	1.625	1.625	0	%100
61	MP2C	X	-2.546	-2.546	0	%100
62	MP2C	Z	1.47	1.47	0	%100
63	MP1C	X	-2.546	-2.546	0	%100
64	MP1C	Z	1.47	1.47	0	%100
65	MP4B	X	-2.546	-2.546	0	%100
66	MP4B	Z	1.47	1.47	0	%100
67	MP3B	X	-2.814	-2.814	0	%100
68	MP3B	Z	1.625	1.625	0	%100
69	MP2B	X	-2.546	-2.546	0	%100
70	MP2B	Z	1.47	1.47	0	%100
71	MP1B	X	-2.546	-2.546	0	%100
72	MP1B	Z	1.47	1.47	0	%100
73	M73A	X	-.989	-.989	0	%100
74	M73A	Z	.571	.571	0	%100
75	M74A	X	-3.957	-3.957	0	%100
76	M74A	Z	2.284	2.284	0	%100
77	M75A	X	-.989	-.989	0	%100
78	M75A	Z	.571	.571	0	%100
79	MP4A	X	-2.546	-2.546	0	%100
80	MP4A	Z	1.47	1.47	0	%100
81	M97B	X	-3.43	-3.43	0	%100
82	M97B	Z	1.98	1.98	0	%100
83	M98B	X	-2.22	-2.22	0	%100
84	M98B	Z	1.282	1.282	0	%100
85	M99B	X	-3.43	-3.43	0	%100
86	M99B	Z	1.98	1.98	0	%100
87	M100B	X	-.704	-.704	0	%100
88	M100B	Z	.406	.406	0	%100
89	M108A	X	-2.814	-2.814	0	%100
90	M108A	Z	1.625	1.625	0	%100
91	M116	X	-.704	-.704	0	%100
92	M116	Z	.406	.406	0	%100
93	M124A	X	-2.782	-2.782	0	%100
94	M124A	Z	1.606	1.606	0	%100
95	M125A	X	-.696	-.696	0	%100
96	M125A	Z	.402	.402	0	%100
97	M126	X	-.696	-.696	0	%100
98	M126	Z	.402	.402	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	-4.979	-4.979	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-4.979	-4.979	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-3.8	-3.8	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	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,%]
17	M85	X	-.95	-.95	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-3.807	-3.807	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	-2.038	-2.038	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	-2.038	-2.038	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	-.952	-.952	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-.95	-.95	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-3.807	-3.807	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	-2.038	-2.038	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	-2.038	-2.038	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	-.952	-.952	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	0	0	0	%100
39	M104	X	-3.427	-3.427	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-3.427	-3.427	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	-.935	-.935	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-.935	-.935	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-2.939	-2.939	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	-3.25	-3.25	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	-2.939	-2.939	0	%100
54	MP2A	Z	0	0	0	%100
55	MP1A	X	-2.939	-2.939	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	-2.939	-2.939	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	-3.25	-3.25	0	%100
60	MP3C	Z	0	0	0	%100
61	MP2C	X	-2.939	-2.939	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	-2.939	-2.939	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	-2.939	-2.939	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	-3.25	-3.25	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	-2.939	-2.939	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	-2.939	-2.939	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-3.427	-3.427	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,%]
76	M74A	Z	0	0	0	%100
77	M75A	X	-3.427	-3.427	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-2.939	-2.939	0	%100
80	MP4A	Z	0	0	0	%100
81	M97B	X	-4.426	-4.426	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	-3.029	-3.029	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	-3.029	-3.029	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	-2.437	-2.437	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-2.437	-2.437	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	-2.409	-2.409	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	0	0	0	%100
97	M126	X	-2.409	-2.409	0	%100
98	M126	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	M73	X	-1.437	-1.437	0	%100
2	M73	Z	-.83	-.83	0	%100
3	M74	X	-1.437	-1.437	0	%100
4	M74	Z	-.83	-.83	0	%100
5	M75	X	-5.749	-5.749	0	%100
6	M75	Z	-3.319	-3.319	0	%100
7	M76	X	-2.468	-2.468	0	%100
8	M76	Z	-1.425	-1.425	0	%100
9	M77	X	-1.099	-1.099	0	%100
10	M77	Z	-.634	-.634	0	%100
11	M78	X	-.588	-.588	0	%100
12	M78	Z	-.34	-.34	0	%100
13	M79	X	-.588	-.588	0	%100
14	M79	Z	-.34	-.34	0	%100
15	M84	X	-.275	-.275	0	%100
16	M84	Z	-.159	-.159	0	%100
17	M85	X	-2.468	-2.468	0	%100
18	M85	Z	-1.425	-1.425	0	%100
19	M86	X	-1.099	-1.099	0	%100
20	M86	Z	-.634	-.634	0	%100
21	M87	X	-.588	-.588	0	%100
22	M87	Z	-.34	-.34	0	%100
23	M88	X	-.588	-.588	0	%100
24	M88	Z	-.34	-.34	0	%100
25	M93	X	-.275	-.275	0	%100
26	M93	Z	-.159	-.159	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-4.396	-4.396	0	%100
30	M95	Z	-2.538	-2.538	0	%100
31	M96	X	-2.353	-2.353	0	%100
32	M96	Z	-1.358	-1.358	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,%]
33	M97	X	-2.353	-2.353	0	%100
34	M97	Z	-1.358	-1.358	0	%100
35	M102	X	-1.1	-1.1	0	%100
36	M102	Z	-.635	-.635	0	%100
37	M103	X	-.989	-.989	0	%100
38	M103	Z	-.571	-.571	0	%100
39	M104	X	-.989	-.989	0	%100
40	M104	Z	-.571	-.571	0	%100
41	M105	X	-3.957	-3.957	0	%100
42	M105	Z	-2.284	-2.284	0	%100
43	M106	X	-.27	-.27	0	%100
44	M106	Z	-.156	-.156	0	%100
45	M107	X	-.27	-.27	0	%100
46	M107	Z	-.156	-.156	0	%100
47	M108	X	-1.08	-1.08	0	%100
48	M108	Z	-.623	-.623	0	%100
49	MP5A	X	-2.546	-2.546	0	%100
50	MP5A	Z	-1.47	-1.47	0	%100
51	MP3A	X	-2.814	-2.814	0	%100
52	MP3A	Z	-1.625	-1.625	0	%100
53	MP2A	X	-2.546	-2.546	0	%100
54	MP2A	Z	-1.47	-1.47	0	%100
55	MP1A	X	-2.546	-2.546	0	%100
56	MP1A	Z	-1.47	-1.47	0	%100
57	MP4C	X	-2.546	-2.546	0	%100
58	MP4C	Z	-1.47	-1.47	0	%100
59	MP3C	X	-2.814	-2.814	0	%100
60	MP3C	Z	-1.625	-1.625	0	%100
61	MP2C	X	-2.546	-2.546	0	%100
62	MP2C	Z	-1.47	-1.47	0	%100
63	MP1C	X	-2.546	-2.546	0	%100
64	MP1C	Z	-1.47	-1.47	0	%100
65	MP4B	X	-2.546	-2.546	0	%100
66	MP4B	Z	-1.47	-1.47	0	%100
67	MP3B	X	-2.814	-2.814	0	%100
68	MP3B	Z	-1.625	-1.625	0	%100
69	MP2B	X	-2.546	-2.546	0	%100
70	MP2B	Z	-1.47	-1.47	0	%100
71	MP1B	X	-2.546	-2.546	0	%100
72	MP1B	Z	-1.47	-1.47	0	%100
73	M73A	X	-.989	-.989	0	%100
74	M73A	Z	-.571	-.571	0	%100
75	M74A	X	-.989	-.989	0	%100
76	M74A	Z	-.571	-.571	0	%100
77	M75A	X	-3.957	-3.957	0	%100
78	M75A	Z	-2.284	-2.284	0	%100
79	MP4A	X	-2.546	-2.546	0	%100
80	MP4A	Z	-1.47	-1.47	0	%100
81	M97B	X	-3.43	-3.43	0	%100
82	M97B	Z	-1.98	-1.98	0	%100
83	M98B	X	-3.43	-3.43	0	%100
84	M98B	Z	-1.98	-1.98	0	%100
85	M99B	X	-2.22	-2.22	0	%100
86	M99B	Z	-1.282	-1.282	0	%100
87	M100B	X	-.704	-.704	0	%100
88	M100B	Z	-.406	-.406	0	%100
89	M108A	X	-.704	-.704	0	%100
90	M108A	Z	-.406	-.406	0	%100
91	M116	X	-2.814	-2.814	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,%]
92	M116	Z	-1.625	-1.625	0	%100
93	M124A	X	-.696	-.696	0	%100
94	M124A	Z	-.402	-.402	0	%100
95	M125A	X	-.696	-.696	0	%100
96	M125A	Z	-.402	-.402	0	%100
97	M126	X	-2.782	-2.782	0	%100
98	M126	Z	-1.606	-1.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M73	X	-2.489	-2.489	0	%100
2	M73	Z	-4.312	-4.312	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-2.489	-2.489	0	%100
6	M75	Z	-4.312	-4.312	0	%100
7	M76	X	-.475	-.475	0	%100
8	M76	Z	-.823	-.823	0	%100
9	M77	X	-1.903	-1.903	0	%100
10	M77	Z	-3.297	-3.297	0	%100
11	M78	X	-1.019	-1.019	0	%100
12	M78	Z	-1.765	-1.765	0	%100
13	M79	X	-1.019	-1.019	0	%100
14	M79	Z	-1.765	-1.765	0	%100
15	M84	X	-.476	-.476	0	%100
16	M84	Z	-.825	-.825	0	%100
17	M85	X	-1.9	-1.9	0	%100
18	M85	Z	-3.291	-3.291	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-.475	-.475	0	%100
28	M94	Z	-.823	-.823	0	%100
29	M95	X	-1.903	-1.903	0	%100
30	M95	Z	-3.297	-3.297	0	%100
31	M96	X	-1.019	-1.019	0	%100
32	M96	Z	-1.765	-1.765	0	%100
33	M97	X	-1.019	-1.019	0	%100
34	M97	Z	-1.765	-1.765	0	%100
35	M102	X	-.476	-.476	0	%100
36	M102	Z	-.825	-.825	0	%100
37	M103	X	-1.713	-1.713	0	%100
38	M103	Z	-2.968	-2.968	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-1.713	-1.713	0	%100
42	M105	Z	-2.968	-2.968	0	%100
43	M106	X	-.467	-.467	0	%100
44	M106	Z	-.81	-.81	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-.467	-.467	0	%100
48	M108	Z	-.81	-.81	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,%]
49	MP5A	X	-1.47	-1.47	0	%100
50	MP5A	Z	-2.546	-2.546	0	%100
51	MP3A	X	-1.625	-1.625	0	%100
52	MP3A	Z	-2.814	-2.814	0	%100
53	MP2A	X	-1.47	-1.47	0	%100
54	MP2A	Z	-2.546	-2.546	0	%100
55	MP1A	X	-1.47	-1.47	0	%100
56	MP1A	Z	-2.546	-2.546	0	%100
57	MP4C	X	-1.47	-1.47	0	%100
58	MP4C	Z	-2.546	-2.546	0	%100
59	MP3C	X	-1.625	-1.625	0	%100
60	MP3C	Z	-2.814	-2.814	0	%100
61	MP2C	X	-1.47	-1.47	0	%100
62	MP2C	Z	-2.546	-2.546	0	%100
63	MP1C	X	-1.47	-1.47	0	%100
64	MP1C	Z	-2.546	-2.546	0	%100
65	MP4B	X	-1.47	-1.47	0	%100
66	MP4B	Z	-2.546	-2.546	0	%100
67	MP3B	X	-1.625	-1.625	0	%100
68	MP3B	Z	-2.814	-2.814	0	%100
69	MP2B	X	-1.47	-1.47	0	%100
70	MP2B	Z	-2.546	-2.546	0	%100
71	MP1B	X	-1.47	-1.47	0	%100
72	MP1B	Z	-2.546	-2.546	0	%100
73	M73A	X	-1.713	-1.713	0	%100
74	M73A	Z	-2.968	-2.968	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	-1.713	-1.713	0	%100
78	M75A	Z	-2.968	-2.968	0	%100
79	MP4A	X	-1.47	-1.47	0	%100
80	MP4A	Z	-2.546	-2.546	0	%100
81	M97B	X	-1.515	-1.515	0	%100
82	M97B	Z	-2.623	-2.623	0	%100
83	M98B	X	-2.213	-2.213	0	%100
84	M98B	Z	-3.833	-3.833	0	%100
85	M99B	X	-1.515	-1.515	0	%100
86	M99B	Z	-2.623	-2.623	0	%100
87	M100B	X	-1.219	-1.219	0	%100
88	M100B	Z	-2.111	-2.111	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-1.219	-1.219	0	%100
92	M116	Z	-2.111	-2.111	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	-1.205	-1.205	0	%100
96	M125A	Z	-2.087	-2.087	0	%100
97	M126	X	-1.205	-1.205	0	%100
98	M126	Z	-2.087	-2.087	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	M73	X	0	0	0	%100
2	M73	Z	-1.862	-1.862	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	-.466	-.466	0	%100
5	M75	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,%]
6	M75	Z	-.466	-.466	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	-1.3	-1.3	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	-.67	-.67	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	-.67	-.67	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	-.112	-.112	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	-.63	-.63	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	-.325	-.325	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	-.168	-.168	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	-.168	-.168	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	-.028	-.028	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	-.63	-.63	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	-.325	-.325	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	-.168	-.168	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	-.168	-.168	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	-.028	-.028	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	-1.117	-1.117	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	-.279	-.279	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	-.279	-.279	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	-.112	-.112	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	-.028	-.028	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	-.028	-.028	0	%100
49	MP5A	X	0	0	0	%100
50	MP5A	Z	-.531	-.531	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-.643	-.643	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	-.531	-.531	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-.531	-.531	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-.531	-.531	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	-.643	-.643	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	-.531	-.531	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-.531	-.531	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,%]
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-.531	-.531	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-.643	-.643	0	%100
69	MP2B	X	0	0	0	%100
70	MP2B	Z	-.531	-.531	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-.531	-.531	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-1.117	-1.117	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-.279	-.279	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	-.279	-.279	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.531	-.531	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	-.714	-.714	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	-.978	-.978	0	%100
85	M99B	X	0	0	0	%100
86	M99B	Z	-.978	-.978	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	-.643	-.643	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	-.161	-.161	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	-.161	-.161	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	-.196	-.196	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	-.785	-.785	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	-.196	-.196	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	M73	X	.698	.698	0	%100
2	M73	Z	-1.21	-1.21	0	%100
3	M74	X	.698	.698	0	%100
4	M74	Z	-1.21	-1.21	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	.105	.105	0	%100
8	M76	Z	-.182	-.182	0	%100
9	M77	X	.487	.487	0	%100
10	M77	Z	-.844	-.844	0	%100
11	M78	X	.251	.251	0	%100
12	M78	Z	-.435	-.435	0	%100
13	M79	X	.251	.251	0	%100
14	M79	Z	-.435	-.435	0	%100
15	M84	X	.042	.042	0	%100
16	M84	Z	-.073	-.073	0	%100
17	M85	X	.105	.105	0	%100
18	M85	Z	-.182	-.182	0	%100
19	M86	X	.487	.487	0	%100
20	M86	Z	-.844	-.844	0	%100
21	M87	X	.251	.251	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	M87	Z	-.435	-.435	0	%100
23	M88	X	.251	.251	0	%100
24	M88	Z	-.435	-.435	0	%100
25	M93	X	.042	.042	0	%100
26	M93	Z	-.073	-.073	0	%100
27	M94	X	.42	.42	0	%100
28	M94	Z	-.728	-.728	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	.419	.419	0	%100
38	M103	Z	-.726	-.726	0	%100
39	M104	X	.419	.419	0	%100
40	M104	Z	-.726	-.726	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	.042	.042	0	%100
44	M106	Z	-.073	-.073	0	%100
45	M107	X	.042	.042	0	%100
46	M107	Z	-.073	-.073	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	.265	.265	0	%100
50	MP5A	Z	-.46	-.46	0	%100
51	MP3A	X	.321	.321	0	%100
52	MP3A	Z	-.556	-.556	0	%100
53	MP2A	X	.265	.265	0	%100
54	MP2A	Z	-.46	-.46	0	%100
55	MP1A	X	.265	.265	0	%100
56	MP1A	Z	-.46	-.46	0	%100
57	MP4C	X	.265	.265	0	%100
58	MP4C	Z	-.46	-.46	0	%100
59	MP3C	X	.321	.321	0	%100
60	MP3C	Z	-.556	-.556	0	%100
61	MP2C	X	.265	.265	0	%100
62	MP2C	Z	-.46	-.46	0	%100
63	MP1C	X	.265	.265	0	%100
64	MP1C	Z	-.46	-.46	0	%100
65	MP4B	X	.265	.265	0	%100
66	MP4B	Z	-.46	-.46	0	%100
67	MP3B	X	.321	.321	0	%100
68	MP3B	Z	-.556	-.556	0	%100
69	MP2B	X	.265	.265	0	%100
70	MP2B	Z	-.46	-.46	0	%100
71	MP1B	X	.265	.265	0	%100
72	MP1B	Z	-.46	-.46	0	%100
73	M73A	X	.419	.419	0	%100
74	M73A	Z	-.726	-.726	0	%100
75	M74A	X	.419	.419	0	%100
76	M74A	Z	-.726	-.726	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	.265	.265	0	%100
80	MP4A	Z	-.46	-.46	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	M97B	X	.401	.401	0	%100
82	M97B	Z	-.694	-.694	0	%100
83	M98B	X	.401	.401	0	%100
84	M98B	Z	-.694	-.694	0	%100
85	M99B	X	.533	.533	0	%100
86	M99B	Z	-.923	-.923	0	%100
87	M100B	X	.241	.241	0	%100
88	M100B	Z	-.417	-.417	0	%100
89	M108A	X	.241	.241	0	%100
90	M108A	Z	-.417	-.417	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	.294	.294	0	%100
94	M124A	Z	-.51	-.51	0	%100
95	M125A	X	.294	.294	0	%100
96	M125A	Z	-.51	-.51	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	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	M73	X	.403	.403	0	%100
2	M73	Z	-.233	-.233	0	%100
3	M74	X	1.613	1.613	0	%100
4	M74	Z	-.931	-.931	0	%100
5	M75	X	.403	.403	0	%100
6	M75	Z	-.233	-.233	0	%100
7	M76	X	.546	.546	0	%100
8	M76	Z	-.315	-.315	0	%100
9	M77	X	.281	.281	0	%100
10	M77	Z	-.162	-.162	0	%100
11	M78	X	.145	.145	0	%100
12	M78	Z	-.084	-.084	0	%100
13	M79	X	.145	.145	0	%100
14	M79	Z	-.084	-.084	0	%100
15	M84	X	.024	.024	0	%100
16	M84	Z	-.014	-.014	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	1.126	1.126	0	%100
20	M86	Z	-.65	-.65	0	%100
21	M87	X	.581	.581	0	%100
22	M87	Z	-.335	-.335	0	%100
23	M88	X	.581	.581	0	%100
24	M88	Z	-.335	-.335	0	%100
25	M93	X	.097	.097	0	%100
26	M93	Z	-.056	-.056	0	%100
27	M94	X	.546	.546	0	%100
28	M94	Z	-.315	-.315	0	%100
29	M95	X	.281	.281	0	%100
30	M95	Z	-.162	-.162	0	%100
31	M96	X	.145	.145	0	%100
32	M96	Z	-.084	-.084	0	%100
33	M97	X	.145	.145	0	%100
34	M97	Z	-.084	-.084	0	%100
35	M102	X	.024	.024	0	%100
36	M102	Z	-.014	-.014	0	%100
37	M103	X	.242	.242	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,%]
38	M103	Z	-.14	-.14	0	%100
39	M104	X	.968	.968	0	%100
40	M104	Z	-.559	-.559	0	%100
41	M105	X	.242	.242	0	%100
42	M105	Z	-.14	-.14	0	%100
43	M106	X	.024	.024	0	%100
44	M106	Z	-.014	-.014	0	%100
45	M107	X	.097	.097	0	%100
46	M107	Z	-.056	-.056	0	%100
47	M108	X	.024	.024	0	%100
48	M108	Z	-.014	-.014	0	%100
49	MP5A	X	.46	.46	0	%100
50	MP5A	Z	-.265	-.265	0	%100
51	MP3A	X	.556	.556	0	%100
52	MP3A	Z	-.321	-.321	0	%100
53	MP2A	X	.46	.46	0	%100
54	MP2A	Z	-.265	-.265	0	%100
55	MP1A	X	.46	.46	0	%100
56	MP1A	Z	-.265	-.265	0	%100
57	MP4C	X	.46	.46	0	%100
58	MP4C	Z	-.265	-.265	0	%100
59	MP3C	X	.556	.556	0	%100
60	MP3C	Z	-.321	-.321	0	%100
61	MP2C	X	.46	.46	0	%100
62	MP2C	Z	-.265	-.265	0	%100
63	MP1C	X	.46	.46	0	%100
64	MP1C	Z	-.265	-.265	0	%100
65	MP4B	X	.46	.46	0	%100
66	MP4B	Z	-.265	-.265	0	%100
67	MP3B	X	.556	.556	0	%100
68	MP3B	Z	-.321	-.321	0	%100
69	MP2B	X	.46	.46	0	%100
70	MP2B	Z	-.265	-.265	0	%100
71	MP1B	X	.46	.46	0	%100
72	MP1B	Z	-.265	-.265	0	%100
73	M73A	X	.242	.242	0	%100
74	M73A	Z	-.14	-.14	0	%100
75	M74A	X	.968	.968	0	%100
76	M74A	Z	-.559	-.559	0	%100
77	M75A	X	.242	.242	0	%100
78	M75A	Z	-.14	-.14	0	%100
79	MP4A	X	.46	.46	0	%100
80	MP4A	Z	-.265	-.265	0	%100
81	M97B	X	.847	.847	0	%100
82	M97B	Z	-.489	-.489	0	%100
83	M98B	X	.618	.618	0	%100
84	M98B	Z	-.357	-.357	0	%100
85	M99B	X	.847	.847	0	%100
86	M99B	Z	-.489	-.489	0	%100
87	M100B	X	.139	.139	0	%100
88	M100B	Z	-.08	-.08	0	%100
89	M108A	X	.556	.556	0	%100
90	M108A	Z	-.321	-.321	0	%100
91	M116	X	.139	.139	0	%100
92	M116	Z	-.08	-.08	0	%100
93	M124A	X	.68	.68	0	%100
94	M124A	Z	-.392	-.392	0	%100
95	M125A	X	.17	.17	0	%100
96	M125A	Z	-.098	-.098	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,%]
97	M126	X	.17	.17	0	%100
98	M126	Z	-.098	-.098	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	1.397	1.397	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	1.397	1.397	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	.841	.841	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	.21	.21	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	.975	.975	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	.503	.503	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	.503	.503	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	.084	.084	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	.21	.21	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	.975	.975	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	.503	.503	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	.503	.503	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	.084	.084	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	0	0	0	%100
39	M104	X	.838	.838	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	.838	.838	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	.084	.084	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	.084	.084	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	.531	.531	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	.643	.643	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	.531	.531	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,%]
54	MP2A	Z	0	0	0	%100
55	MP1A	X	.531	.531	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	.531	.531	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	.643	.643	0	%100
60	MP3C	Z	0	0	0	%100
61	MP2C	X	.531	.531	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	.531	.531	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	.531	.531	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	.643	.643	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	.531	.531	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	.531	.531	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	.838	.838	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	.838	.838	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	.531	.531	0	%100
80	MP4A	Z	0	0	0	%100
81	M97B	X	1.066	1.066	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	.802	.802	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	.802	.802	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	.482	.482	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	.482	.482	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	.589	.589	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	0	0	0	%100
97	M126	X	.589	.589	0	%100
98	M126	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	M73	X	.403	.403	0	%100
2	M73	Z	.233	.233	0	%100
3	M74	X	.403	.403	0	%100
4	M74	Z	.233	.233	0	%100
5	M75	X	1.613	1.613	0	%100
6	M75	Z	.931	.931	0	%100
7	M76	X	.546	.546	0	%100
8	M76	Z	.315	.315	0	%100
9	M77	X	.281	.281	0	%100
10	M77	Z	.162	.162	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,%]
11	M78	X	.145	.145	0	%100
12	M78	Z	.084	.084	0	%100
13	M79	X	.145	.145	0	%100
14	M79	Z	.084	.084	0	%100
15	M84	X	.024	.024	0	%100
16	M84	Z	.014	.014	0	%100
17	M85	X	.546	.546	0	%100
18	M85	Z	.315	.315	0	%100
19	M86	X	.281	.281	0	%100
20	M86	Z	.162	.162	0	%100
21	M87	X	.145	.145	0	%100
22	M87	Z	.084	.084	0	%100
23	M88	X	.145	.145	0	%100
24	M88	Z	.084	.084	0	%100
25	M93	X	.024	.024	0	%100
26	M93	Z	.014	.014	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	1.126	1.126	0	%100
30	M95	Z	.65	.65	0	%100
31	M96	X	.581	.581	0	%100
32	M96	Z	.335	.335	0	%100
33	M97	X	.581	.581	0	%100
34	M97	Z	.335	.335	0	%100
35	M102	X	.097	.097	0	%100
36	M102	Z	.056	.056	0	%100
37	M103	X	.242	.242	0	%100
38	M103	Z	.14	.14	0	%100
39	M104	X	.242	.242	0	%100
40	M104	Z	.14	.14	0	%100
41	M105	X	.968	.968	0	%100
42	M105	Z	.559	.559	0	%100
43	M106	X	.024	.024	0	%100
44	M106	Z	.014	.014	0	%100
45	M107	X	.024	.024	0	%100
46	M107	Z	.014	.014	0	%100
47	M108	X	.097	.097	0	%100
48	M108	Z	.056	.056	0	%100
49	MP5A	X	.46	.46	0	%100
50	MP5A	Z	.265	.265	0	%100
51	MP3A	X	.556	.556	0	%100
52	MP3A	Z	.321	.321	0	%100
53	MP2A	X	.46	.46	0	%100
54	MP2A	Z	.265	.265	0	%100
55	MP1A	X	.46	.46	0	%100
56	MP1A	Z	.265	.265	0	%100
57	MP4C	X	.46	.46	0	%100
58	MP4C	Z	.265	.265	0	%100
59	MP3C	X	.556	.556	0	%100
60	MP3C	Z	.321	.321	0	%100
61	MP2C	X	.46	.46	0	%100
62	MP2C	Z	.265	.265	0	%100
63	MP1C	X	.46	.46	0	%100
64	MP1C	Z	.265	.265	0	%100
65	MP4B	X	.46	.46	0	%100
66	MP4B	Z	.265	.265	0	%100
67	MP3B	X	.556	.556	0	%100
68	MP3B	Z	.321	.321	0	%100
69	MP2B	X	.46	.46	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,%]
70	MP2B	Z	.265	.265	0	%100
71	MP1B	X	.46	.46	0	%100
72	MP1B	Z	.265	.265	0	%100
73	M73A	X	.242	.242	0	%100
74	M73A	Z	.14	.14	0	%100
75	M74A	X	.242	.242	0	%100
76	M74A	Z	.14	.14	0	%100
77	M75A	X	.968	.968	0	%100
78	M75A	Z	.559	.559	0	%100
79	MP4A	X	.46	.46	0	%100
80	MP4A	Z	.265	.265	0	%100
81	M97B	X	.847	.847	0	%100
82	M97B	Z	.489	.489	0	%100
83	M98B	X	.847	.847	0	%100
84	M98B	Z	.489	.489	0	%100
85	M99B	X	.618	.618	0	%100
86	M99B	Z	.357	.357	0	%100
87	M100B	X	.139	.139	0	%100
88	M100B	Z	.08	.08	0	%100
89	M108A	X	.139	.139	0	%100
90	M108A	Z	.08	.08	0	%100
91	M116	X	.556	.556	0	%100
92	M116	Z	.321	.321	0	%100
93	M124A	X	.17	.17	0	%100
94	M124A	Z	.098	.098	0	%100
95	M125A	X	.17	.17	0	%100
96	M125A	Z	.098	.098	0	%100
97	M126	X	.68	.68	0	%100
98	M126	Z	.392	.392	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	M73	X	.698	.698	0	%100
2	M73	Z	1.21	1.21	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	.698	.698	0	%100
6	M75	Z	1.21	1.21	0	%100
7	M76	X	.105	.105	0	%100
8	M76	Z	.182	.182	0	%100
9	M77	X	.487	.487	0	%100
10	M77	Z	.844	.844	0	%100
11	M78	X	.251	.251	0	%100
12	M78	Z	.435	.435	0	%100
13	M79	X	.251	.251	0	%100
14	M79	Z	.435	.435	0	%100
15	M84	X	.042	.042	0	%100
16	M84	Z	.073	.073	0	%100
17	M85	X	.42	.42	0	%100
18	M85	Z	.728	.728	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	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,%]
27	M94	X	.105	.105	0	%100
28	M94	Z	.182	.182	0	%100
29	M95	X	.487	.487	0	%100
30	M95	Z	.844	.844	0	%100
31	M96	X	.251	.251	0	%100
32	M96	Z	.435	.435	0	%100
33	M97	X	.251	.251	0	%100
34	M97	Z	.435	.435	0	%100
35	M102	X	.042	.042	0	%100
36	M102	Z	.073	.073	0	%100
37	M103	X	.419	.419	0	%100
38	M103	Z	.726	.726	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	.419	.419	0	%100
42	M105	Z	.726	.726	0	%100
43	M106	X	.042	.042	0	%100
44	M106	Z	.073	.073	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	.042	.042	0	%100
48	M108	Z	.073	.073	0	%100
49	MP5A	X	.265	.265	0	%100
50	MP5A	Z	.46	.46	0	%100
51	MP3A	X	.321	.321	0	%100
52	MP3A	Z	.556	.556	0	%100
53	MP2A	X	.265	.265	0	%100
54	MP2A	Z	.46	.46	0	%100
55	MP1A	X	.265	.265	0	%100
56	MP1A	Z	.46	.46	0	%100
57	MP4C	X	.265	.265	0	%100
58	MP4C	Z	.46	.46	0	%100
59	MP3C	X	.321	.321	0	%100
60	MP3C	Z	.556	.556	0	%100
61	MP2C	X	.265	.265	0	%100
62	MP2C	Z	.46	.46	0	%100
63	MP1C	X	.265	.265	0	%100
64	MP1C	Z	.46	.46	0	%100
65	MP4B	X	.265	.265	0	%100
66	MP4B	Z	.46	.46	0	%100
67	MP3B	X	.321	.321	0	%100
68	MP3B	Z	.556	.556	0	%100
69	MP2B	X	.265	.265	0	%100
70	MP2B	Z	.46	.46	0	%100
71	MP1B	X	.265	.265	0	%100
72	MP1B	Z	.46	.46	0	%100
73	M73A	X	.419	.419	0	%100
74	M73A	Z	.726	.726	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	.419	.419	0	%100
78	M75A	Z	.726	.726	0	%100
79	MP4A	X	.265	.265	0	%100
80	MP4A	Z	.46	.46	0	%100
81	M97B	X	.401	.401	0	%100
82	M97B	Z	.694	.694	0	%100
83	M98B	X	.533	.533	0	%100
84	M98B	Z	.923	.923	0	%100
85	M99B	X	.401	.401	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,%]
86	M99B	Z	.694	.694	0	%100
87	M100B	X	.241	.241	0	%100
88	M100B	Z	.417	.417	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	.241	.241	0	%100
92	M116	Z	.417	.417	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	.294	.294	0	%100
96	M125A	Z	.51	.51	0	%100
97	M126	X	.294	.294	0	%100
98	M126	Z	.51	.51	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	M73	X	0	0	0	%100
2	M73	Z	1.862	1.862	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	.466	.466	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	.466	.466	0	%100
7	M76	X	0	0	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	1.3	1.3	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	.67	.67	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	.67	.67	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	.112	.112	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	.63	.63	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	.325	.325	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	.168	.168	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	.168	.168	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	.028	.028	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	.63	.63	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	.325	.325	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	.168	.168	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	.168	.168	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	.028	.028	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	1.117	1.117	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	.279	.279	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	.279	.279	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,%]
43	M106	X	0	0	0	%100
44	M106	Z	.112	.112	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	.028	.028	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	.028	.028	0	%100
49	MP5A	X	0	0	0	%100
50	MP5A	Z	.531	.531	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	.643	.643	0	%100
53	MP2A	X	0	0	0	%100
54	MP2A	Z	.531	.531	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	.531	.531	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	.531	.531	0	%100
59	MP3C	X	0	0	0	%100
60	MP3C	Z	.643	.643	0	%100
61	MP2C	X	0	0	0	%100
62	MP2C	Z	.531	.531	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	.531	.531	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	.531	.531	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	.643	.643	0	%100
69	MP2B	X	0	0	0	%100
70	MP2B	Z	.531	.531	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	.531	.531	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	1.117	1.117	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	.279	.279	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	.279	.279	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.531	.531	0	%100
81	M97B	X	0	0	0	%100
82	M97B	Z	.714	.714	0	%100
83	M98B	X	0	0	0	%100
84	M98B	Z	.978	.978	0	%100
85	M99B	X	0	0	0	%100
86	M99B	Z	.978	.978	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	.643	.643	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	.161	.161	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	.161	.161	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	.196	.196	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	.785	.785	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	.196	.196	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,%]

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,%]
1	M73	X	-.698	-.698	0	%100
2	M73	Z	1.21	1.21	0	%100
3	M74	X	-.698	-.698	0	%100
4	M74	Z	1.21	1.21	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-.105	-.105	0	%100
8	M76	Z	.182	.182	0	%100
9	M77	X	-.487	-.487	0	%100
10	M77	Z	.844	.844	0	%100
11	M78	X	-.251	-.251	0	%100
12	M78	Z	.435	.435	0	%100
13	M79	X	-.251	-.251	0	%100
14	M79	Z	.435	.435	0	%100
15	M84	X	-.042	-.042	0	%100
16	M84	Z	.073	.073	0	%100
17	M85	X	-.105	-.105	0	%100
18	M85	Z	.182	.182	0	%100
19	M86	X	-.487	-.487	0	%100
20	M86	Z	.844	.844	0	%100
21	M87	X	-.251	-.251	0	%100
22	M87	Z	.435	.435	0	%100
23	M88	X	-.251	-.251	0	%100
24	M88	Z	.435	.435	0	%100
25	M93	X	-.042	-.042	0	%100
26	M93	Z	.073	.073	0	%100
27	M94	X	-.42	-.42	0	%100
28	M94	Z	.728	.728	0	%100
29	M95	X	0	0	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	0	0	0	%100
32	M96	Z	0	0	0	%100
33	M97	X	0	0	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	0	0	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	-.419	-.419	0	%100
38	M103	Z	.726	.726	0	%100
39	M104	X	-.419	-.419	0	%100
40	M104	Z	.726	.726	0	%100
41	M105	X	0	0	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	-.042	-.042	0	%100
44	M106	Z	.073	.073	0	%100
45	M107	X	-.042	-.042	0	%100
46	M107	Z	.073	.073	0	%100
47	M108	X	0	0	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-.265	-.265	0	%100
50	MP5A	Z	.46	.46	0	%100
51	MP3A	X	-.321	-.321	0	%100
52	MP3A	Z	.556	.556	0	%100
53	MP2A	X	-.265	-.265	0	%100
54	MP2A	Z	.46	.46	0	%100
55	MP1A	X	-.265	-.265	0	%100
56	MP1A	Z	.46	.46	0	%100
57	MP4C	X	-.265	-.265	0	%100
58	MP4C	Z	.46	.46	0	%100
59	MP3C	X	-.321	-.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP3C	Z	.556	.556	0	%100
61	MP2C	X	-.265	-.265	0	%100
62	MP2C	Z	.46	.46	0	%100
63	MP1C	X	-.265	-.265	0	%100
64	MP1C	Z	.46	.46	0	%100
65	MP4B	X	-.265	-.265	0	%100
66	MP4B	Z	.46	.46	0	%100
67	MP3B	X	-.321	-.321	0	%100
68	MP3B	Z	.556	.556	0	%100
69	MP2B	X	-.265	-.265	0	%100
70	MP2B	Z	.46	.46	0	%100
71	MP1B	X	-.265	-.265	0	%100
72	MP1B	Z	.46	.46	0	%100
73	M73A	X	-.419	-.419	0	%100
74	M73A	Z	.726	.726	0	%100
75	M74A	X	-.419	-.419	0	%100
76	M74A	Z	.726	.726	0	%100
77	M75A	X	0	0	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-.265	-.265	0	%100
80	MP4A	Z	.46	.46	0	%100
81	M97B	X	-.401	-.401	0	%100
82	M97B	Z	.694	.694	0	%100
83	M98B	X	-.401	-.401	0	%100
84	M98B	Z	.694	.694	0	%100
85	M99B	X	-.533	-.533	0	%100
86	M99B	Z	.923	.923	0	%100
87	M100B	X	-.241	-.241	0	%100
88	M100B	Z	.417	.417	0	%100
89	M108A	X	-.241	-.241	0	%100
90	M108A	Z	.417	.417	0	%100
91	M116	X	0	0	0	%100
92	M116	Z	0	0	0	%100
93	M124A	X	-.294	-.294	0	%100
94	M124A	Z	.51	.51	0	%100
95	M125A	X	-.294	-.294	0	%100
96	M125A	Z	.51	.51	0	%100
97	M126	X	0	0	0	%100
98	M126	Z	0	0	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	M73	X	-.403	-.403	0	%100
2	M73	Z	.233	.233	0	%100
3	M74	X	-1.613	-1.613	0	%100
4	M74	Z	.931	.931	0	%100
5	M75	X	-.403	-.403	0	%100
6	M75	Z	.233	.233	0	%100
7	M76	X	-.546	-.546	0	%100
8	M76	Z	.315	.315	0	%100
9	M77	X	-.281	-.281	0	%100
10	M77	Z	.162	.162	0	%100
11	M78	X	-.145	-.145	0	%100
12	M78	Z	.084	.084	0	%100
13	M79	X	-.145	-.145	0	%100
14	M79	Z	.084	.084	0	%100
15	M84	X	-.024	-.024	0	%100
16	M84	Z	.014	.014	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	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-1.126	-1.126	0	%100
20	M86	Z	.65	.65	0	%100
21	M87	X	-.581	-.581	0	%100
22	M87	Z	.335	.335	0	%100
23	M88	X	-.581	-.581	0	%100
24	M88	Z	.335	.335	0	%100
25	M93	X	-.097	-.097	0	%100
26	M93	Z	.056	.056	0	%100
27	M94	X	-.546	-.546	0	%100
28	M94	Z	.315	.315	0	%100
29	M95	X	-.281	-.281	0	%100
30	M95	Z	.162	.162	0	%100
31	M96	X	-.145	-.145	0	%100
32	M96	Z	.084	.084	0	%100
33	M97	X	-.145	-.145	0	%100
34	M97	Z	.084	.084	0	%100
35	M102	X	-.024	-.024	0	%100
36	M102	Z	.014	.014	0	%100
37	M103	X	-.242	-.242	0	%100
38	M103	Z	.14	.14	0	%100
39	M104	X	-.968	-.968	0	%100
40	M104	Z	.559	.559	0	%100
41	M105	X	-.242	-.242	0	%100
42	M105	Z	.14	.14	0	%100
43	M106	X	-.024	-.024	0	%100
44	M106	Z	.014	.014	0	%100
45	M107	X	-.097	-.097	0	%100
46	M107	Z	.056	.056	0	%100
47	M108	X	-.024	-.024	0	%100
48	M108	Z	.014	.014	0	%100
49	MP5A	X	-.46	-.46	0	%100
50	MP5A	Z	.265	.265	0	%100
51	MP3A	X	-.556	-.556	0	%100
52	MP3A	Z	.321	.321	0	%100
53	MP2A	X	-.46	-.46	0	%100
54	MP2A	Z	.265	.265	0	%100
55	MP1A	X	-.46	-.46	0	%100
56	MP1A	Z	.265	.265	0	%100
57	MP4C	X	-.46	-.46	0	%100
58	MP4C	Z	.265	.265	0	%100
59	MP3C	X	-.556	-.556	0	%100
60	MP3C	Z	.321	.321	0	%100
61	MP2C	X	-.46	-.46	0	%100
62	MP2C	Z	.265	.265	0	%100
63	MP1C	X	-.46	-.46	0	%100
64	MP1C	Z	.265	.265	0	%100
65	MP4B	X	-.46	-.46	0	%100
66	MP4B	Z	.265	.265	0	%100
67	MP3B	X	-.556	-.556	0	%100
68	MP3B	Z	.321	.321	0	%100
69	MP2B	X	-.46	-.46	0	%100
70	MP2B	Z	.265	.265	0	%100
71	MP1B	X	-.46	-.46	0	%100
72	MP1B	Z	.265	.265	0	%100
73	M73A	X	-.242	-.242	0	%100
74	M73A	Z	.14	.14	0	%100
75	M74A	X	-.968	-.968	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	M74A	Z	.559	.559	0	%100
77	M75A	X	-.242	-.242	0	%100
78	M75A	Z	.14	.14	0	%100
79	MP4A	X	-.46	-.46	0	%100
80	MP4A	Z	.265	.265	0	%100
81	M97B	X	-.847	-.847	0	%100
82	M97B	Z	.489	.489	0	%100
83	M98B	X	-.618	-.618	0	%100
84	M98B	Z	.357	.357	0	%100
85	M99B	X	-.847	-.847	0	%100
86	M99B	Z	.489	.489	0	%100
87	M100B	X	-.139	-.139	0	%100
88	M100B	Z	.08	.08	0	%100
89	M108A	X	-.556	-.556	0	%100
90	M108A	Z	.321	.321	0	%100
91	M116	X	-.139	-.139	0	%100
92	M116	Z	.08	.08	0	%100
93	M124A	X	-.68	-.68	0	%100
94	M124A	Z	.392	.392	0	%100
95	M125A	X	-.17	-.17	0	%100
96	M125A	Z	.098	.098	0	%100
97	M126	X	-.17	-.17	0	%100
98	M126	Z	.098	.098	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	M73	X	0	0	0	%100
2	M73	Z	0	0	0	%100
3	M74	X	-1.397	-1.397	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-1.397	-1.397	0	%100
6	M75	Z	0	0	0	%100
7	M76	X	-.841	-.841	0	%100
8	M76	Z	0	0	0	%100
9	M77	X	0	0	0	%100
10	M77	Z	0	0	0	%100
11	M78	X	0	0	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	0	0	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-.21	-.21	0	%100
18	M85	Z	0	0	0	%100
19	M86	X	-.975	-.975	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	-.503	-.503	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	-.503	-.503	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	-.084	-.084	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-.21	-.21	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-.975	-.975	0	%100
30	M95	Z	0	0	0	%100
31	M96	X	-.503	-.503	0	%100
32	M96	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,%]
33	M97	X	-.503	-.503	0	%100
34	M97	Z	0	0	0	%100
35	M102	X	-.084	-.084	0	%100
36	M102	Z	0	0	0	%100
37	M103	X	0	0	0	%100
38	M103	Z	0	0	0	%100
39	M104	X	-.838	-.838	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-.838	-.838	0	%100
42	M105	Z	0	0	0	%100
43	M106	X	0	0	0	%100
44	M106	Z	0	0	0	%100
45	M107	X	-.084	-.084	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-.084	-.084	0	%100
48	M108	Z	0	0	0	%100
49	MP5A	X	-.531	-.531	0	%100
50	MP5A	Z	0	0	0	%100
51	MP3A	X	-.643	-.643	0	%100
52	MP3A	Z	0	0	0	%100
53	MP2A	X	-.531	-.531	0	%100
54	MP2A	Z	0	0	0	%100
55	MP1A	X	-.531	-.531	0	%100
56	MP1A	Z	0	0	0	%100
57	MP4C	X	-.531	-.531	0	%100
58	MP4C	Z	0	0	0	%100
59	MP3C	X	-.643	-.643	0	%100
60	MP3C	Z	0	0	0	%100
61	MP2C	X	-.531	-.531	0	%100
62	MP2C	Z	0	0	0	%100
63	MP1C	X	-.531	-.531	0	%100
64	MP1C	Z	0	0	0	%100
65	MP4B	X	-.531	-.531	0	%100
66	MP4B	Z	0	0	0	%100
67	MP3B	X	-.643	-.643	0	%100
68	MP3B	Z	0	0	0	%100
69	MP2B	X	-.531	-.531	0	%100
70	MP2B	Z	0	0	0	%100
71	MP1B	X	-.531	-.531	0	%100
72	MP1B	Z	0	0	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-.838	-.838	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	-.838	-.838	0	%100
78	M75A	Z	0	0	0	%100
79	MP4A	X	-.531	-.531	0	%100
80	MP4A	Z	0	0	0	%100
81	M97B	X	-1.066	-1.066	0	%100
82	M97B	Z	0	0	0	%100
83	M98B	X	-.802	-.802	0	%100
84	M98B	Z	0	0	0	%100
85	M99B	X	-.802	-.802	0	%100
86	M99B	Z	0	0	0	%100
87	M100B	X	0	0	0	%100
88	M100B	Z	0	0	0	%100
89	M108A	X	-.482	-.482	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-.482	-.482	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,%]
92	M116	Z	0	0	0	%100
93	M124A	X	-.589	-.589	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	0	0	0	%100
96	M125A	Z	0	0	0	%100
97	M126	X	-.589	-.589	0	%100
98	M126	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	M73	X	-.403	-.403	0	%100
2	M73	Z	-.233	-.233	0	%100
3	M74	X	-.403	-.403	0	%100
4	M74	Z	-.233	-.233	0	%100
5	M75	X	-1.613	-1.613	0	%100
6	M75	Z	-.931	-.931	0	%100
7	M76	X	-.546	-.546	0	%100
8	M76	Z	-.315	-.315	0	%100
9	M77	X	-.281	-.281	0	%100
10	M77	Z	-.162	-.162	0	%100
11	M78	X	-.145	-.145	0	%100
12	M78	Z	-.084	-.084	0	%100
13	M79	X	-.145	-.145	0	%100
14	M79	Z	-.084	-.084	0	%100
15	M84	X	-.024	-.024	0	%100
16	M84	Z	-.014	-.014	0	%100
17	M85	X	-.546	-.546	0	%100
18	M85	Z	-.315	-.315	0	%100
19	M86	X	-.281	-.281	0	%100
20	M86	Z	-.162	-.162	0	%100
21	M87	X	-.145	-.145	0	%100
22	M87	Z	-.084	-.084	0	%100
23	M88	X	-.145	-.145	0	%100
24	M88	Z	-.084	-.084	0	%100
25	M93	X	-.024	-.024	0	%100
26	M93	Z	-.014	-.014	0	%100
27	M94	X	0	0	0	%100
28	M94	Z	0	0	0	%100
29	M95	X	-1.126	-1.126	0	%100
30	M95	Z	-.65	-.65	0	%100
31	M96	X	-.581	-.581	0	%100
32	M96	Z	-.335	-.335	0	%100
33	M97	X	-.581	-.581	0	%100
34	M97	Z	-.335	-.335	0	%100
35	M102	X	-.097	-.097	0	%100
36	M102	Z	-.056	-.056	0	%100
37	M103	X	-.242	-.242	0	%100
38	M103	Z	-.14	-.14	0	%100
39	M104	X	-.242	-.242	0	%100
40	M104	Z	-.14	-.14	0	%100
41	M105	X	-.968	-.968	0	%100
42	M105	Z	-.559	-.559	0	%100
43	M106	X	-.024	-.024	0	%100
44	M106	Z	-.014	-.014	0	%100
45	M107	X	-.024	-.024	0	%100
46	M107	Z	-.014	-.014	0	%100
47	M108	X	-.097	-.097	0	%100
48	M108	Z	-.056	-.056	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,%]
49	MP5A	X	-.46	-.46	0	%100
50	MP5A	Z	-.265	-.265	0	%100
51	MP3A	X	-.556	-.556	0	%100
52	MP3A	Z	-.321	-.321	0	%100
53	MP2A	X	-.46	-.46	0	%100
54	MP2A	Z	-.265	-.265	0	%100
55	MP1A	X	-.46	-.46	0	%100
56	MP1A	Z	-.265	-.265	0	%100
57	MP4C	X	-.46	-.46	0	%100
58	MP4C	Z	-.265	-.265	0	%100
59	MP3C	X	-.556	-.556	0	%100
60	MP3C	Z	-.321	-.321	0	%100
61	MP2C	X	-.46	-.46	0	%100
62	MP2C	Z	-.265	-.265	0	%100
63	MP1C	X	-.46	-.46	0	%100
64	MP1C	Z	-.265	-.265	0	%100
65	MP4B	X	-.46	-.46	0	%100
66	MP4B	Z	-.265	-.265	0	%100
67	MP3B	X	-.556	-.556	0	%100
68	MP3B	Z	-.321	-.321	0	%100
69	MP2B	X	-.46	-.46	0	%100
70	MP2B	Z	-.265	-.265	0	%100
71	MP1B	X	-.46	-.46	0	%100
72	MP1B	Z	-.265	-.265	0	%100
73	M73A	X	-.242	-.242	0	%100
74	M73A	Z	-.14	-.14	0	%100
75	M74A	X	-.242	-.242	0	%100
76	M74A	Z	-.14	-.14	0	%100
77	M75A	X	-.968	-.968	0	%100
78	M75A	Z	-.559	-.559	0	%100
79	MP4A	X	-.46	-.46	0	%100
80	MP4A	Z	-.265	-.265	0	%100
81	M97B	X	-.847	-.847	0	%100
82	M97B	Z	-.489	-.489	0	%100
83	M98B	X	-.847	-.847	0	%100
84	M98B	Z	-.489	-.489	0	%100
85	M99B	X	-.618	-.618	0	%100
86	M99B	Z	-.357	-.357	0	%100
87	M100B	X	-.139	-.139	0	%100
88	M100B	Z	-.08	-.08	0	%100
89	M108A	X	-.139	-.139	0	%100
90	M108A	Z	-.08	-.08	0	%100
91	M116	X	-.556	-.556	0	%100
92	M116	Z	-.321	-.321	0	%100
93	M124A	X	-.17	-.17	0	%100
94	M124A	Z	-.098	-.098	0	%100
95	M125A	X	-.17	-.17	0	%100
96	M125A	Z	-.098	-.098	0	%100
97	M126	X	-.68	-.68	0	%100
98	M126	Z	-.392	-.392	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	M73	X	-.698	-.698	0	%100
2	M73	Z	-1.21	-1.21	0	%100
3	M74	X	0	0	0	%100
4	M74	Z	0	0	0	%100
5	M75	X	-.698	-.698	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,%]
6	M75	Z	-1.21	-1.21	0	%100
7	M76	X	-.105	-.105	0	%100
8	M76	Z	-.182	-.182	0	%100
9	M77	X	-.487	-.487	0	%100
10	M77	Z	-.844	-.844	0	%100
11	M78	X	-.251	-.251	0	%100
12	M78	Z	-.435	-.435	0	%100
13	M79	X	-.251	-.251	0	%100
14	M79	Z	-.435	-.435	0	%100
15	M84	X	-.042	-.042	0	%100
16	M84	Z	-.073	-.073	0	%100
17	M85	X	-.42	-.42	0	%100
18	M85	Z	-.728	-.728	0	%100
19	M86	X	0	0	0	%100
20	M86	Z	0	0	0	%100
21	M87	X	0	0	0	%100
22	M87	Z	0	0	0	%100
23	M88	X	0	0	0	%100
24	M88	Z	0	0	0	%100
25	M93	X	0	0	0	%100
26	M93	Z	0	0	0	%100
27	M94	X	-.105	-.105	0	%100
28	M94	Z	-.182	-.182	0	%100
29	M95	X	-.487	-.487	0	%100
30	M95	Z	-.844	-.844	0	%100
31	M96	X	-.251	-.251	0	%100
32	M96	Z	-.435	-.435	0	%100
33	M97	X	-.251	-.251	0	%100
34	M97	Z	-.435	-.435	0	%100
35	M102	X	-.042	-.042	0	%100
36	M102	Z	-.073	-.073	0	%100
37	M103	X	-.419	-.419	0	%100
38	M103	Z	-.726	-.726	0	%100
39	M104	X	0	0	0	%100
40	M104	Z	0	0	0	%100
41	M105	X	-.419	-.419	0	%100
42	M105	Z	-.726	-.726	0	%100
43	M106	X	-.042	-.042	0	%100
44	M106	Z	-.073	-.073	0	%100
45	M107	X	0	0	0	%100
46	M107	Z	0	0	0	%100
47	M108	X	-.042	-.042	0	%100
48	M108	Z	-.073	-.073	0	%100
49	MP5A	X	-.265	-.265	0	%100
50	MP5A	Z	-.46	-.46	0	%100
51	MP3A	X	-.321	-.321	0	%100
52	MP3A	Z	-.556	-.556	0	%100
53	MP2A	X	-.265	-.265	0	%100
54	MP2A	Z	-.46	-.46	0	%100
55	MP1A	X	-.265	-.265	0	%100
56	MP1A	Z	-.46	-.46	0	%100
57	MP4C	X	-.265	-.265	0	%100
58	MP4C	Z	-.46	-.46	0	%100
59	MP3C	X	-.321	-.321	0	%100
60	MP3C	Z	-.556	-.556	0	%100
61	MP2C	X	-.265	-.265	0	%100
62	MP2C	Z	-.46	-.46	0	%100
63	MP1C	X	-.265	-.265	0	%100
64	MP1C	Z	-.46	-.46	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,%]
65	MP4B	X	-.265	-.265	0	%100
66	MP4B	Z	-.46	-.46	0	%100
67	MP3B	X	-.321	-.321	0	%100
68	MP3B	Z	-.556	-.556	0	%100
69	MP2B	X	-.265	-.265	0	%100
70	MP2B	Z	-.46	-.46	0	%100
71	MP1B	X	-.265	-.265	0	%100
72	MP1B	Z	-.46	-.46	0	%100
73	M73A	X	-.419	-.419	0	%100
74	M73A	Z	-.726	-.726	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	0	0	0	%100
77	M75A	X	-.419	-.419	0	%100
78	M75A	Z	-.726	-.726	0	%100
79	MP4A	X	-.265	-.265	0	%100
80	MP4A	Z	-.46	-.46	0	%100
81	M97B	X	-.401	-.401	0	%100
82	M97B	Z	-.694	-.694	0	%100
83	M98B	X	-.533	-.533	0	%100
84	M98B	Z	-.923	-.923	0	%100
85	M99B	X	-.401	-.401	0	%100
86	M99B	Z	-.694	-.694	0	%100
87	M100B	X	-.241	-.241	0	%100
88	M100B	Z	-.417	-.417	0	%100
89	M108A	X	0	0	0	%100
90	M108A	Z	0	0	0	%100
91	M116	X	-.241	-.241	0	%100
92	M116	Z	-.417	-.417	0	%100
93	M124A	X	0	0	0	%100
94	M124A	Z	0	0	0	%100
95	M125A	X	-.294	-.294	0	%100
96	M125A	Z	-.51	-.51	0	%100
97	M126	X	-.294	-.294	0	%100
98	M126	Z	-.51	-.51	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	M73	Y	-.153	-6.068	0	1.545
2	M73	Y	-6.068	-9.035	1.545	3.09
3	M73	Y	-9.035	-5.292	3.09	4.635
4	M73	Y	-5.292	-1.56	4.635	6.18
5	M73	Y	-1.56	-.153	6.18	7.725
6	M75	Y	-.149	-1.553	5.15	6.695
7	M75	Y	-1.553	-5.5	6.695	8.24
8	M75	Y	-5.5	-7.014	8.24	9.785
9	M75	Y	-7.014	-4.493	9.785	11.33
10	M75	Y	-4.493	-1.509	11.33	12.875
11	M86	Y	-.328	-4.533	0	1.156
12	M86	Y	-4.533	-8.351	1.156	2.312
13	M86	Y	-8.351	-7.91	2.312	3.469
14	M86	Y	-7.91	-4.572	3.469	4.625
15	M86	Y	-4.572	-1.502	4.625	5.781
16	M87	Y	-.793	-.793	.05	.367
17	M88	Y	-.725	-.725	.037	.37
18	M73	Y	-.149	-1.553	5.15	6.695
19	M73	Y	-1.553	-5.5	6.695	8.24
20	M73	Y	-5.5	-7.014	8.24	9.785
21	M73	Y	-7.014	-4.493	9.785	11.33

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,%]
22	M73	Y	-4.493	-1.509	11.33	12.875
23	M74	Y	-.153	-1.56	5.15	6.695
24	M74	Y	-1.56	-5.292	6.695	8.24
25	M74	Y	-5.292	-9.035	8.24	9.785
26	M74	Y	-9.035	-6.068	9.785	11.33
27	M74	Y	-6.068	-.153	11.33	12.875
28	M95	Y	-.328	-4.533	0	1.156
29	M95	Y	-4.533	-8.351	1.156	2.312
30	M95	Y	-8.351	-7.91	2.312	3.469
31	M95	Y	-7.91	-4.572	3.469	4.625
32	M95	Y	-4.572	-1.502	4.625	5.781
33	M96	Y	-.793	-.793	.05	.367
34	M97	Y	-.725	-.725	.037	.37
35	M74	Y	-.152	-5.275	0	1.545
36	M74	Y	-5.275	-8.399	1.545	3.09
37	M74	Y	-8.399	-5.625	3.09	4.635
38	M74	Y	-5.625	-1.74	4.635	6.18
39	M74	Y	-1.74	-.152	6.18	7.725
40	M75	Y	-1.364	-4.73	0	1.545
41	M75	Y	-4.73	-7.689	1.545	3.09
42	M75	Y	-7.689	-5.86	3.09	4.635
43	M75	Y	-5.86	-1.462	4.635	6.18
44	M75	Y	-1.462	-.168	6.18	7.725
45	M77	Y	-2.996	-4.531	0	1.156
46	M77	Y	-4.531	-6.496	1.156	2.312
47	M77	Y	-6.496	-8.086	2.312	3.469
48	M77	Y	-8.086	-5.258	3.469	4.625
49	M77	Y	-5.258	-.255	4.625	5.781
50	M78	Y	-.803	-.803	.049	.373
51	M79	Y	-.793	-.793	.05	.367

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M73	Y	-.299	-11.871	0	1.545
2	M73	Y	-11.871	-17.675	1.545	3.09
3	M73	Y	-17.675	-10.353	3.09	4.635
4	M73	Y	-10.353	-3.052	4.635	6.18
5	M73	Y	-3.052	-.299	6.18	7.725
6	M75	Y	-.292	-3.039	5.15	6.695
7	M75	Y	-3.039	-10.76	6.695	8.24
8	M75	Y	-10.76	-13.722	8.24	9.785
9	M75	Y	-13.722	-8.79	9.785	11.33
10	M75	Y	-8.79	-2.952	11.33	12.875
11	M86	Y	-.642	-8.868	0	1.156
12	M86	Y	-8.868	-16.338	1.156	2.312
13	M86	Y	-16.338	-15.475	2.312	3.469
14	M86	Y	-15.475	-8.945	3.469	4.625
15	M86	Y	-8.945	-2.939	4.625	5.781
16	M87	Y	-1.552	-1.552	.05	.367
17	M88	Y	-1.418	-1.418	.037	.37
18	M73	Y	-.292	-3.039	5.15	6.695
19	M73	Y	-3.039	-10.76	6.695	8.24
20	M73	Y	-10.76	-13.722	8.24	9.785
21	M73	Y	-13.722	-8.79	9.785	11.33
22	M73	Y	-8.79	-2.952	11.33	12.875
23	M74	Y	-.299	-3.052	5.15	6.695
24	M74	Y	-3.052	-10.353	6.695	8.24
25	M74	Y	-10.353	-17.675	8.24	9.785

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,%]
26	M74	Y	-17.675	-11.871	9.785	11.33
27	M74	Y	-11.871	-.299	11.33	12.875
28	M95	Y	-.642	-8.868	0	1.156
29	M95	Y	-8.868	-16.338	1.156	2.312
30	M95	Y	-16.338	-15.475	2.312	3.469
31	M95	Y	-15.475	-8.945	3.469	4.625
32	M95	Y	-8.945	-2.939	4.625	5.781
33	M96	Y	-1.552	-1.552	.05	.367
34	M97	Y	-1.418	-1.418	.037	.37
35	M74	Y	-.297	-10.32	0	1.545
36	M74	Y	-10.32	-16.432	1.545	3.09
37	M74	Y	-16.432	-11.004	3.09	4.635
38	M74	Y	-11.004	-3.405	4.635	6.18
39	M74	Y	-3.405	-.297	6.18	7.725
40	M75	Y	-2.667	-9.253	0	1.545
41	M75	Y	-9.253	-15.042	1.545	3.09
42	M75	Y	-15.042	-11.464	3.09	4.635
43	M75	Y	-11.464	-2.86	4.635	6.18
44	M75	Y	-2.86	-.329	6.18	7.725
45	M77	Y	-5.862	-8.865	0	1.156
46	M77	Y	-8.865	-12.708	1.156	2.312
47	M77	Y	-12.708	-15.819	2.312	3.469
48	M77	Y	-15.819	-10.286	3.469	4.625
49	M77	Y	-10.286	-.499	4.625	5.781
50	M78	Y	-1.572	-1.572	.049	.373
51	M79	Y	-1.552	-1.552	.05	.367

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	M73	Z	-.005	-.182	0	1.545
2	M73	Z	-.182	-.271	1.545	3.09
3	M73	Z	-.271	-.159	3.09	4.635
4	M73	Z	-.159	-.047	4.635	6.18
5	M73	Z	-.047	-.005	6.18	7.725
6	M75	Z	-.004	-.047	5.15	6.695
7	M75	Z	-.047	-.165	6.695	8.24
8	M75	Z	-.165	-.21	8.24	9.785
9	M75	Z	-.21	-.135	9.785	11.33
10	M75	Z	-.135	-.045	11.33	12.875
11	M86	Z	-.01	-.136	0	1.156
12	M86	Z	-.136	-.251	1.156	2.312
13	M86	Z	-.251	-.237	2.312	3.469
14	M86	Z	-.237	-.137	3.469	4.625
15	M86	Z	-.137	-.045	4.625	5.781
16	M87	Z	-.024	-.024	.05	.367
17	M88	Z	-.022	-.022	.037	.37
18	M73	Z	-.004	-.047	5.15	6.695
19	M73	Z	-.047	-.165	6.695	8.24
20	M73	Z	-.165	-.21	8.24	9.785
21	M73	Z	-.21	-.135	9.785	11.33
22	M73	Z	-.135	-.045	11.33	12.875
23	M74	Z	-.005	-.047	5.15	6.695
24	M74	Z	-.047	-.159	6.695	8.24
25	M74	Z	-.159	-.271	8.24	9.785
26	M74	Z	-.271	-.182	9.785	11.33
27	M74	Z	-.182	-.005	11.33	12.875
28	M95	Z	-.01	-.136	0	1.156
29	M95	Z	-.136	-.251	1.156	2.312

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,%]
30	M95	Z	-.251	-.237	2.312	3.469
31	M95	Z	-.237	-.137	3.469	4.625
32	M95	Z	-.137	-.045	4.625	5.781
33	M96	Z	-.024	-.024	.05	.367
34	M97	Z	-.022	-.022	.037	.37
35	M74	Z	-.005	-.158	0	1.545
36	M74	Z	-.158	-.252	1.545	3.09
37	M74	Z	-.252	-.169	3.09	4.635
38	M74	Z	-.169	-.052	4.635	6.18
39	M74	Z	-.052	-.005	6.18	7.725
40	M75	Z	-.041	-.142	0	1.545
41	M75	Z	-.142	-.231	1.545	3.09
42	M75	Z	-.231	-.176	3.09	4.635
43	M75	Z	-.176	-.044	4.635	6.18
44	M75	Z	-.044	-.005	6.18	7.725
45	M77	Z	-.09	-.136	0	1.156
46	M77	Z	-.136	-.195	1.156	2.312
47	M77	Z	-.195	-.243	2.312	3.469
48	M77	Z	-.243	-.158	3.469	4.625
49	M77	Z	-.158	-.008	4.625	5.781
50	M78	Z	-.024	-.024	.049	.373
51	M79	Z	-.024	-.024	.05	.367

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	M73	X	.005	.182	0	1.545
2	M73	X	.182	.271	1.545	3.09
3	M73	X	.271	.159	3.09	4.635
4	M73	X	.159	.047	4.635	6.18
5	M73	X	.047	.005	6.18	7.725
6	M75	X	.004	.047	5.15	6.695
7	M75	X	.047	.165	6.695	8.24
8	M75	X	.165	.21	8.24	9.785
9	M75	X	.21	.135	9.785	11.33
10	M75	X	.135	.045	11.33	12.875
11	M86	X	.01	.136	0	1.156
12	M86	X	.136	.251	1.156	2.312
13	M86	X	.251	.237	2.312	3.469
14	M86	X	.237	.137	3.469	4.625
15	M86	X	.137	.045	4.625	5.781
16	M87	X	.024	.024	.05	.367
17	M88	X	.022	.022	.037	.37
18	M73	X	.004	.047	5.15	6.695
19	M73	X	.047	.165	6.695	8.24
20	M73	X	.165	.21	8.24	9.785
21	M73	X	.21	.135	9.785	11.33
22	M73	X	.135	.045	11.33	12.875
23	M74	X	.005	.047	5.15	6.695
24	M74	X	.047	.159	6.695	8.24
25	M74	X	.159	.271	8.24	9.785
26	M74	X	.271	.182	9.785	11.33
27	M74	X	.182	.005	11.33	12.875
28	M95	X	.01	.136	0	1.156
29	M95	X	.136	.251	1.156	2.312
30	M95	X	.251	.237	2.312	3.469
31	M95	X	.237	.137	3.469	4.625
32	M95	X	.137	.045	4.625	5.781
33	M96	X	.024	.024	.05	.367

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,%]
34	M97	X	.022	.022	.037	.37
35	M74	X	.005	.158	0	1.545
36	M74	X	.158	.252	1.545	3.09
37	M74	X	.252	.169	3.09	4.635
38	M74	X	.169	.052	4.635	6.18
39	M74	X	.052	.005	6.18	7.725
40	M75	X	.041	.142	0	1.545
41	M75	X	.142	.231	1.545	3.09
42	M75	X	.231	.176	3.09	4.635
43	M75	X	.176	.044	4.635	6.18
44	M75	X	.044	.005	6.18	7.725
45	M77	X	.09	.136	0	1.156
46	M77	X	.136	.195	1.156	2.312
47	M77	X	.195	.243	2.312	3.469
48	M77	X	.243	.158	3.469	4.625
49	M77	X	.158	.008	4.625	5.781
50	M78	X	.024	.024	.049	.373
51	M79	X	.024	.024	.05	.367

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N156	N161	N179	N180	Y	Two Way	-.005
2	N155	N193	N194	N159	Y	Two Way	-.005
3	N162	N158	N168	N169	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N156	N161	N179	N180	Y	Two Way	-.01
2	N155	N193	N194	N159	Y	Two Way	-.01
3	N162	N158	N168	N169	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N156	N161	N179	N180	Y	Two Way	0
2	N155	N193	N194	N159	Y	Two Way	0
3	N162	N158	N168	N169	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	N156	N161	N179	N180	Z	Two Way	-.000156
2	N155	N193	N194	N159	Z	Two Way	-.000156
3	N162	N158	N168	N169	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	N156	N161	N179	N180	X	Two Way	.000156
2	N155	N193	N194	N159	X	Two Way	.000156
3	N162	N158	N168	N169	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	N153A	max	2829.466	10	953.344	7	3825.49	1	.86	7	2.261	4	1.006	4
2		min	-2863.1	4	-453.614	1	-2280.801	7	-.699	1	-2.234	10	-1.005	10
3	N171	max	3396.24	9	969.808	3	2083.641	12	.82	12	2.347	12	.707	7

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
4		min	-1999.675	3	-459.783	9	-2937.936	6	-.93	6	-2.363	6	-.826	1
5	N185	max	1997.175	10	879.199	11	2434.102	1	.957	2	2.544	8	.76	1
6		min	-3384.701	4	-389.025	5	-3239.049	7	-1.053	8	-2.555	2	-.651	7
7	N181B	max	46.761	10	2918.775	13	994.079	7	0	75	0	10	0	4
8		min	-46.794	4	-807.284	7	-3525.274	13	0	1	0	4	0	10
9	N183B	max	806.179	3	2941.764	21	1776.767	21	0	1	0	43	0	43
10		min	-3077.572	21	-756.056	3	-465.51	3	0	43	0	1	0	1
11	N185B	max	3241.203	17	3094.899	17	1871.244	17	0	1	0	1	0	1
12		min	-728.431	11	-683.21	11	-420.545	11	0	31	0	31	0	31
13	Totals:	max	4992.6	10	8948.45	22	5052.828	1						
14		min	-4992.606	4	2957.492	67	-5052.829	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M73	C5X6.7	.292	12.204	2	.368	11.936	y	2	18876.226	63828	1.604	7.597	1	H1-1b
2	M74	C5X6.7	.258	12.204	7	.357	11.936	y	8	18876.226	63828	1.604	9.585	3....	H1-1b
3	M75	C5X6.7	.274	12.204	7	.349	11.936	y	6	18876.226	63828	1.604	7.597	1	H1-1b
4	M94	HSS4X4X4	.168	0	8	.168	0	z	8	118476.3...	139518	16.181	16.181	1....	H1-1b
5	M85	HSS4X4X4	.166	4.297	9	.156	0	z	6	118476.3...	139518	16.181	16.181	1....	H1-1b
6	M76	HSS4X4X4	.166	4.297	1	.148	0	z	4	118476.3...	139518	16.181	16.181	1....	H1-1b
7	MP1A	PIPE_2.0	.473	5.615	4	.137	5.615		2	17855.085	32130	1.872	1.872	1....	H1-1b
8	MP3B	PIPE_2.5	.559	5.615	2	.127	5.615		7	33961.614	50715	3.596	3.596	1....	H1-1b
9	MP4C	PIPE_2.0	.536	5.615	6	.123	5.615		7	17855.085	32130	1.872	1.872	1....	H1-1b
10	MP3C	PIPE_2.5	.560	5.615	6	.121	5.615		11	33961.614	50715	3.596	3.596	1....	H1-1b
11	MP4B	PIPE_2.0	.545	5.615	2	.119	5.615		3	17855.085	32130	1.872	1.872	1....	H1-1b
12	MP2C	PIPE_2.0	.543	1.286	12	.115	1.49		1	19360.206	32130	1.872	1.872	2....	H1-1b
13	M100B	PIPE_2.5	.228	9.245	15	.113	10.938		6	14558.792	50715	3.596	3.596	1....	H1-1b
14	MP2B	PIPE_2.0	.539	1.286	8	.112	1.49		3	19360.206	32130	1.872	1.872	1....	H1-1b
15	MP5A	PIPE_2.0	.488	5.615	10	.112	5.615		11	17855.085	32130	1.872	1.872	1....	H1-1b
16	MP2A	PIPE_2.0	.453	1.286	4	.109	1.557		5	19360.206	32130	1.872	1.872	2....	H1-1b
17	MP3A	PIPE_2.5	.533	5.615	4	.107	5.615		3	33961.614	50715	3.596	3.596	1....	H1-1b
18	M102	PL1/2X9	.375	.625	17	.104	.625	y	12	82502.914	145800	1.519	27.338	1....	H1-1b
19	M84	PL1/2X9	.339	.625	13	.103	.625	y	8	82502.914	145800	1.519	27.338	1....	H1-1b
20	MP1B	PIPE_2.0	.462	5.615	8	.103	5.615		7	17855.085	32130	1.872	1.872	2....	H1-1b
21	M108A	PIPE_2.5	.231	1.563	12	.100	10.938		2	14558.792	50715	3.596	3.596	1....	H1-1b
22	M116	PIPE_2.5	.220	11.979	8	.099	10.938		10	14558.792	50715	3.596	3.596	1....	H1-1b
23	MP1C	PIPE_2.0	.463	5.615	12	.099	5.615		11	17855.085	32130	1.872	1.872	1....	H1-1b
24	M103	L3X3X4	.244	6.456	7	.098	12.121	z	24	4832.646	46656	1.688	2.558	1....	H2-1
25	M93	PL1/2X9	.342	.625	9	.096	.625	y	3	82502.914	145800	1.519	27.338	1....	H1-1b
26	MP4A	PIPE_2.0	.459	1.286	10	.094	2.234		2	19360.206	32130	1.872	1.872	2....	H1-1b
27	M104	L3X3X4	.257	6.456	3	.085	.527	z	19	4832.646	46656	1.688	2.619	1....	H2-1
28	M105	L3X3X4	.267	6.456	11	.085	12.121	z	15	4832.646	46656	1.688	2.614	1....	H2-1
29	M108	PL1/2X6	.049	1.083	7	.057	0	y	8	63408.179	97200	1.012	11.518	1....	H1-1b
30	M87	PL3/8X3	.372	.417	1	.049	.417	y	12	32526.243	36450	.284	2.279	1....	H1-1b
31	M106	PL1/2X6	.045	.937	15	.049	0	y	10	63408.179	97200	1.012	11.691	1....	H1-1b
32	M126	L3X3X4	.373	1.783	3	.047	0	y	2	43481.733	46656	1.688	3.756	2....	H2-1
33	M107	PL1/2X6	.043	.068	19	.047	0	y	6	63408.179	97200	1.012	12.15	1....	H1-1b
34	M124A	L3X3X4	.393	1.783	7	.046	0	y	6	43481.733	46656	1.688	3.756	2....	H2-1
35	M88	PL3/8X3	.362	.417	24	.046	0	y	12	32526.245	36450	.284	2.279	1....	H1-1b
36	M96	PL3/8X3	.355	0	15	.046	.417	y	8	32526.232	36450	.284	2.279	1....	H1-1b
37	M78	PL3/8X3	.354	.417	5	.045	.417	y	4	32526.245	36450	.284	2.279	1....	H1-1b
38	M97	PL3/8X3	.362	.417	7	.043	0	y	8	32526.243	36450	.284	2.279	2....	H1-1b
39	M79	PL3/8X3	.355	.417	15	.043	0	y	4	32526.232	36450	.284	2.279	1....	H1-1b
40	M125A	L3X3X4	.359	1.783	11	.041	0	y	10	43481.733	46656	1.688	3.756	2....	H2-1
41	M86	L4X4X4	.435	2.891	14	.038	2.891	z	24	40740.38	62532	3.138	6.086	1....	H2-1
42	M95	L4X4X4	.438	2.891	20	.035	2.891	z	14	40740.38	62532	3.138	6.088	1....	H2-1
43	M77	L4X4X4	.435	2.891	16	.035	2.891	z	16	40740.38	62532	3.138	6.088	1....	H2-1

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
44	M73A	L3X3X4	.261	9.223	12	.027	6.456	z	6	4832.646	46656	1.688	3.149	2.3	H2-1
45	M75A	L3X3X4	.173	9.223	14	.021	6.456	z	10	4832.646	46656	1.688	2.632	1....	H2-1
46	M74A	L3X3X4	.173	9.223	18	.021	6.456	z	2	4832.646	46656	1.688	2.636	1....	H2-1
47	M97B	LL3x3x3x3	.096	5.557	13	.003	0	z	10	47441.644	70632	5.543	3.751	1	H1-1b*
48	M99B	LL3x3x3x3	.102	5.557	17	.003	5.557	z	8	47441.644	70632	5.543	3.751	1	H1-1b*
49	M98B	LL3x3x3x3	.097	5.557	21	.003	5.557	z	6	47441.644	70632	5.543	3.751	1	H1-1b*

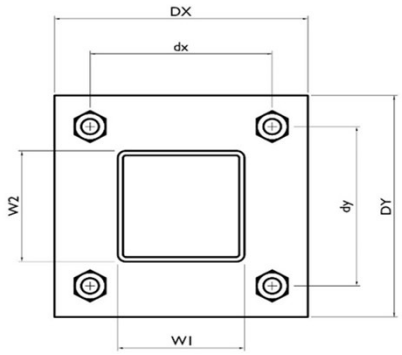
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/6/2023
Site Name:	BANKSVILLE CT		
MDG #:	5000381784		
Fuze ID #:	17123704	Page:	1

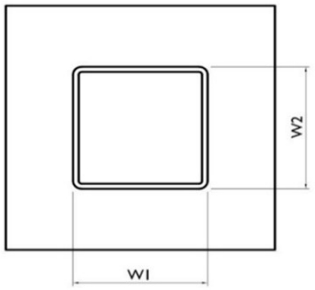
Version 1.01

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)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.9
Required Shear Strength / bolt (kips):	1.5
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**13.9%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	8
Plate Height, D_y (in):	8
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
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):	5.85
Bolt Eccentricity, e (in):	1.65
M_u (kip-in):	4.75
Phi*M_n (kip-in):	26.65
Plate Bending Utilization:	**17.8%**



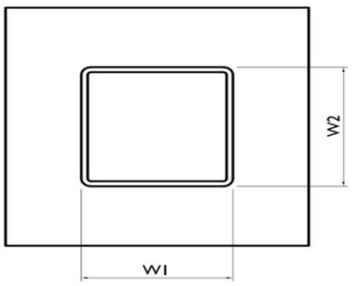
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/6/2023
Site Name:	BANKSVILLE CT		
MDG #:	5000381784		
Fuze ID #:	17123704	Page:	2

Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.26
Weld Capacity (kip/in):	5.57
Weld Utilization:	**22.7%**



Date: **August 01, 2023**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000381784
	Site Name:	BANKSVILLE CT
Crown Castle Designation:	**BU Number:**	807132
	Site Name:	BRG 133 943050
	JDE Job Number:	751337
	Work Order Number:	2247615
	Order Number:	654636 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	2247615
Site Data:	**1081 North Street, Greenwich, FAIRFIELD County, CT** **Latitude *41° 8' 21.5"*, Longitude *-73° 38' 30.54"*** **175 Foot - Monopole Tower**	

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

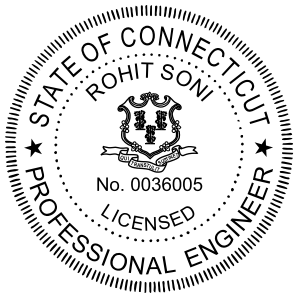
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity – 76.0%**

This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Kenneth Sukitch

Respectfully submitted by:



Rohit Soni, P.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 175 ft Monopole tower designed by VALMONT. 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:	115 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)
174.0	176.0	3	antel	ADA-85408580CF w/ Mount Pipe	6 1	1-1/4 1-5/8
		6	jma wireless	MX06FRO860-03 w/ Mount Pipe		
		2	kaelus	BSF0020F3V1		
		1	rfs celwave	DB-C1-12C-24AB-0Z		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	174.0	1	tower mounts	Miscellaneous [NA 507-2]		
		1	tower mounts	Platform Mount [LP 715-1_KCKR]		

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)
162.0	168.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe	4 4 2 1	1-5/8 1-1/4 5/8 3/8
		3	ericsson	RRUS 11		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS-32 B30		
		2	kaelus	DBC0061F1V51-2		
		1	kathrein	800 10121 w/ Mount Pipe		
		1	powerwave technologies	7770.00 w/ Mount Pipe		
		4	powerwave technologies	LGP2140X		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		1	raycap	DC6-48-60-18-8C		
		1	raycap	DC6-48-60-18-8F		
	162.0	1	tower mounts	Platform Mount [LP 303-1]		
154.0	154.0	3	fujitsu	TA08025-B604	1	1-3/4
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
144.0	144.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	ericsson	RADIO 4449 B71/B85A		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	rfs celwave	APXVAALL24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	Sector Mount [SM 502-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4837566	CCISITES
4-POST-MODIFICATION INSPECTION	5456964	CCISITES
4-POST-MODIFICATION INSPECTION	3279736	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1057735	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1057736	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4856181	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3279725	CCISITES
4-POST-MODIFICATION INSPECTION	5456964	CCISITES
4-POST-MODIFICATION INSPECTION	3279736	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
175 - 170	Pole	TP23.025x22.125x0.2188	Pole	7.3%	Pass
170 - 165	Pole	TP23.925x23.025x0.2188	Pole	13.5%	Pass
165 - 160	Pole	TP24.825x23.925x0.2188	Pole	22.9%	Pass
160 - 155	Pole	TP25.725x24.825x0.2188	Pole	30.7%	Pass
155 - 145.5	Pole	TP27.435x25.725x0.2188	Pole	40.2%	Pass
145.5 - 145	Pole	TP27.0875x26.1875x0.3125	Pole	30.9%	Pass
145 - 140	Pole	TP27.9874x27.0875x0.3125	Pole	37.3%	Pass
140 - 135	Pole	TP28.8874x27.9874x0.3125	Pole	43.1%	Pass
135 - 130	Pole	TP29.7873x28.8874x0.3125	Pole	48.6%	Pass
130 - 125	Pole	TP30.6873x29.7873x0.3125	Pole	53.6%	Pass
125 - 120	Pole	TP31.5872x30.6873x0.3125	Pole	58.3%	Pass
120 - 115	Pole	TP32.4872x31.5872x0.3125	Pole	62.8%	Pass
115 - 110	Pole	TP33.3871x32.4872x0.3125	Pole	66.9%	Pass
110 - 105	Pole	TP34.2871x33.3871x0.3125	Pole	70.8%	Pass
105 - 95.5	Pole	TP35.997x34.2871x0.3125	Pole	73.8%	Pass
95.5 - 94.5	Pole	TP35.552x34.3821x0.375	Pole	62.8%	Pass
94.5 - 89.5	Pole	TP36.4519x35.552x0.375	Pole	65.2%	Pass
89.5 - 84.5	Pole	TP37.3519x36.4519x0.375	Pole	67.6%	Pass
84.5 - 83.17	Pole	TP37.5912x37.3519x0.375	Pole	68.2%	Pass
83.17 - 82.92	Pole	TP37.6362x37.5912x0.375	Pole	68.3%	Pass
82.92 - 77.92	Pole	TP38.5362x37.6362x0.375	Pole	70.5%	Pass
77.92 - 72.92	Pole	TP39.4361x38.5362x0.375	Pole	72.6%	Pass
72.92 - 67.92	Pole	TP40.3361x39.4361x0.375	Pole	74.5%	Pass
67.92 - 65.5	Pole	TP40.7716x40.3361x0.375	Pole	75.5%	Pass
65.5 - 65.25	Pole	TP40.8166x40.7716x0.375	Pole	75.6%	Pass
65.25 - 64	Pole	TP41.0416x40.8166x0.375	Pole	76.0%	Pass
64 - 63.75	Pole + Reinf.	TP41.0866x41.0416x0.625	Reinf. 10 Tension Rupture	63.9%	Pass
63.75 - 58.75	Pole + Reinf.	TP41.9865x41.0866x0.625	Reinf. 10 Tension Rupture	65.5%	Pass
58.75 - 53.75	Pole + Reinf.	TP42.8865x41.9865x0.6125	Reinf. 10 Tension Rupture	66.9%	Pass
53.75 - 46.58	Pole + Reinf.	TP44.177x42.8865x0.6125	Reinf. 10 Tension Rupture	67.1%	Pass
46.58 - 45.58	Pole + Reinf.	TP43.6073x42.2715x0.6438	Reinf. 10 Tension Rupture	67.7%	Pass
45.58 - 43	Pole + Reinf.	TP44.0718x43.6073x0.6438	Reinf. 10 Tension Rupture	68.3%	Pass
43 - 42.75	Pole + Reinf.	TP44.1168x44.0718x0.6938	Reinf. 10 Tension Rupture	66.0%	Pass
42.75 - 42.5	Pole + Reinf.	TP44.1618x44.1168x0.6938	Reinf. 10 Tension Rupture	66.0%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
42.5 - 42.25	Pole + Reinf.	TP44.2068x44.1618x0.7813	Reinf. 10 Tension Rupture	56.9%	Pass
42.25 - 42	Pole + Reinf.	TP44.2518x44.2068x0.7813	Reinf. 10 Tension Rupture	57.0%	Pass
42 - 41.75	Pole + Reinf.	TP44.2968x44.2518x0.6813	Reinf. 10 Tension Rupture	64.9%	Pass
41.75 - 36.75	Pole + Reinf.	TP45.1969x44.2968x0.6813	Reinf. 10 Tension Rupture	66.0%	Pass
36.75 - 32	Pole + Reinf.	TP46.052x45.1969x0.6688	Reinf. 10 Tension Rupture	67.0%	Pass
32 - 31.75	Pole + Reinf.	TP46.097x46.052x0.7188	Reinf. 9 Tension Rupture	61.7%	Pass
31.75 - 26.75	Pole + Reinf.	TP46.9972x46.097x0.7063	Reinf. 9 Tension Rupture	62.7%	Pass
26.75 - 21.75	Pole + Reinf.	TP47.8973x46.9972x0.7063	Reinf. 9 Tension Rupture	63.6%	Pass
21.75 - 18	Pole + Reinf.	TP48.5724x47.8973x0.7063	Reinf. 9 Tension Rupture	64.3%	Pass
18 - 17.75	Pole + Reinf.	TP48.6174x48.5724x0.7063	Reinf. 9 Tension Rupture	64.3%	Pass
17.75 - 9.92	Pole + Reinf.	TP50.027x48.6174x0.7063	Reinf. 9 Tension Rupture	64.5%	Pass
9.92 - 8.92	Pole + Reinf.	TP49.3943x47.9398x0.6625	Reinf. 1 Compression	68.0%	Pass
8.92 - 3.92	Pole + Reinf.	TP50.2944x49.3943x0.6625	Reinf. 1 Compression	68.7%	Pass
3.92 - 2.75	Pole + Reinf.	TP50.505x50.2944x0.6625	Reinf. 1 Connection	68.8%	Pass
2.75 - 2.5	Pole + Reinf.	TP50.55x50.505x0.7125	Reinf. 12 Connection	66.7%	Pass
2.5 - 0	Pole + Reinf.	TP51x50.55x0.7125	Reinf. 12 Connection	67.1%	Pass
				Summary	
			Pole	76.0%	Pass
			Reinforcement	68.8%	Pass
			Overall	76.0%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	65.0	Pass
1	Base Plate		41.6	Pass
1	Base Foundation (Structure)		70.3	Pass
1	Base Foundation (Soil Interaction)		6.8	Pass

Structure Rating (max from all components) =	76.0%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	12	0.2188		22.1250	23.0250		0.3
2	5.00	12	0.2188		23.0250	23.9250		0.3
3	5.00	12	0.2188		23.9250	24.8250		0.3
4	5.00	12	0.2188		24.8250	25.7250		0.3
5	9.50	12	0.2188	4.50	25.7250	27.4350		0.6
6	[illegible]	12	[illegible]		[illegible]	[illegible]		0.5
7	5.00	12	0.3125		[illegible]	[illegible]		0.5
8	5.00	12	0.3125		27.9874	28.8874		0.5
9	5.00	12	0.3125		28.8874	29.7873		0.5
10	5.00	12	0.3125		29.7873	30.6873		0.5
11	5.00	12	0.3125		30.6873	31.5873		0.5
12	5.00	12	0.3125		31.5873	32.4873		0.5
13	5.00	12	0.3125		32.4873	33.3871		0.6
14	5.00	12	0.3125		33.3871	34.2871		0.6
15	9.50	12	0.3125	5.50	34.2871	35.9970		1.1
16	[illegible]	12	[illegible]		[illegible]	[illegible]		0.9
17	5.00	12	[illegible]		[illegible]	[illegible]		0.7
18	5.00	12	[illegible]		[illegible]	[illegible]		0.8
19	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
20	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
21	5.00	12	[illegible]		[illegible]	[illegible]		0.8
22	5.00	12	0.3750		38.5362	39.4361	A572-65	0.8
23	5.00	12	0.3750		39.4361	40.3361		0.8
24	[illegible]	12	[illegible]		[illegible]	[illegible]		0.4
25	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
26	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
27	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
28	5.00	12	[illegible]		[illegible]	[illegible]		1.4
29	5.00	12	0.6125		41.9865	42.8865		1.4
30	[illegible]	12	0.6125	6.42	42.8865	44.1770		2.0
31	[illegible]	12	[illegible]		[illegible]	[illegible]		2.2
32	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
33	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
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35	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
36	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
37	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
38	5.00	12	[illegible]		[illegible]	[illegible]		1.6
39	[illegible]	12	[illegible]		[illegible]	[illegible]		1.5
40	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
41	5.00	12	[illegible]		[illegible]	[illegible]		1.7
42	5.00	12	0.7063		46.9972	47.8973		1.7
43	[illegible]	12	[illegible]		[illegible]	[illegible]		1.3
44	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
45	[illegible]	12	[illegible]	7.08	[illegible]	[illegible]		2.8
46	[illegible]	12	[illegible]		[illegible]	[illegible]		3.0
47	5.00	12	[illegible]		[illegible]	[illegible]		1.9
48	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
49	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
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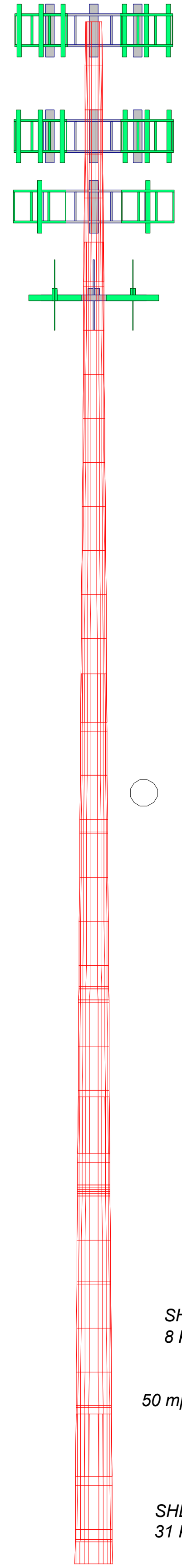
								38.5

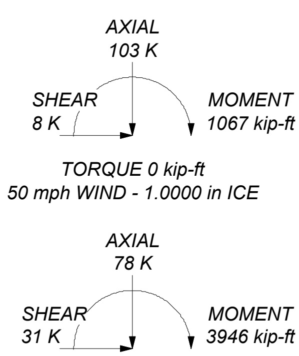


MATERIAL STRENGTH

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

TOWER DESIGN NOTES

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 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 76.0%



Crown Castle 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:	Job: **807132**	
The Pathway to Possible	Project:	
	Client: Crown Castle	Drawn by: KSukitch · App'd:
	Code: TIA-222-H	Date: 08/01/23 · Scale: NTS
	Path: C:\Work Area\807132\WO 2247615 - SA\Prod\807132_mod.eri	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: 503.00 ft.
- Basic wind speed of 115 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- TOWER RATING: 76.0%.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	175.00-170.00	5.00	0.00	12	22.1250	23.0250	0.2188	0.8750	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L2	170.00-165.00	5.00	0.00	12	23.0250	23.9250	0.2188	0.8750	A572-65 (65 ksi)
L3	165.00-160.00	5.00	0.00	12	23.9250	24.8250	0.2188	0.8750	A572-65 (65 ksi)
L4	160.00-155.00	5.00	0.00	12	24.8250	25.7250	0.2188	0.8750	A572-65 (65 ksi)
L5	155.00-145.50	9.50	4.50	12	25.7250	27.4350	0.2188	0.8750	A572-65 (65 ksi)
L6	145.50-145.00	5.00	0.00	12	26.1875	27.0875	0.3125	1.2500	A572-65 (65 ksi)
L7	145.00-140.00	5.00	0.00	12	27.0875	27.9874	0.3125	1.2500	A572-65 (65 ksi)
L8	140.00-135.00	5.00	0.00	12	27.9874	28.8874	0.3125	1.2500	A572-65 (65 ksi)
L9	135.00-130.00	5.00	0.00	12	28.8874	29.7873	0.3125	1.2500	A572-65 (65 ksi)
L10	130.00-125.00	5.00	0.00	12	29.7873	30.6873	0.3125	1.2500	A572-65 (65 ksi)
L11	125.00-120.00	5.00	0.00	12	30.6873	31.5872	0.3125	1.2500	A572-65 (65 ksi)
L12	120.00-115.00	5.00	0.00	12	31.5872	32.4872	0.3125	1.2500	A572-65 (65 ksi)
L13	115.00-110.00	5.00	0.00	12	32.4872	33.3871	0.3125	1.2500	A572-65 (65 ksi)
L14	110.00-105.00	5.00	0.00	12	33.3871	34.2871	0.3125	1.2500	A572-65 (65 ksi)
L15	105.00-95.50	9.50	5.50	12	34.2871	35.9970	0.3125	1.2500	A572-65 (65 ksi)
L16	95.50-94.50	6.50	0.00	12	34.3821	35.5520	0.3750	1.5000	A572-65 (65 ksi)
L17	94.50-89.50	5.00	0.00	12	35.5520	36.4519	0.3750	1.5000	A572-65 (65 ksi)
L18	89.50-84.50	5.00	0.00	12	36.4519	37.3519	0.3750	1.5000	A572-65 (65 ksi)
L19	84.50-83.17	1.33	0.00	12	37.3519	37.5912	0.3750	1.5000	A572-65 (65 ksi)
L20	83.17-82.92	0.25	0.00	12	37.5912	37.6362	0.3750	1.5000	A572-65 (65 ksi)
L21	82.92-77.92	5.00	0.00	12	37.6362	38.5362	0.3750	1.5000	A572-65 (65 ksi)
L22	77.92-72.92	5.00	0.00	12	38.5362	39.4361	0.3750	1.5000	A572-65 (65 ksi)
L23	72.92-67.92	5.00	0.00	12	39.4361	40.3361	0.3750	1.5000	A572-65 (65 ksi)
L24	67.92-65.50	2.42	0.00	12	40.3361	40.7716	0.3750	1.5000	A572-65 (65 ksi)
L25	65.50-65.25	0.25	0.00	12	40.7716	40.8166	0.3750	1.5000	A572-65 (65 ksi)
L26	65.25-64.00	1.25	0.00	12	40.8166	41.0416	0.3750	1.5000	A572-65 (65 ksi)
L27	64.00-63.75	0.25	0.00	12	41.0416	41.0866	0.6250	2.5000	A572-65 (65 ksi)
L28	63.75-58.75	5.00	0.00	12	41.0866	41.9865	0.6250	2.5000	A572-65 (65 ksi)
L29	58.75-53.75	5.00	0.00	12	41.9865	42.8865	0.6125	2.4500	A572-65 (65 ksi)
L30	53.75-46.58	7.17	6.42	12	42.8865	44.1770	0.6125	2.4500	A572-65 (65 ksi)
L31	46.58-45.58	7.42	0.00	12	42.2715	43.6073	0.6438	2.5752	A572-65 (65 ksi)
L32	45.58-43.00	2.58	0.00	12	43.6073	44.0718	0.6438	2.5752	A572-65 (65 ksi)
L33	43.00-42.75	0.25	0.00	12	44.0718	44.1168	0.6938	2.7752	A572-65 (65 ksi)
L34	42.75-42.50	0.25	0.00	12	44.1168	44.1618	0.6938	2.7752	A572-65 (65 ksi)
L35	42.50-42.25	0.25	0.00	12	44.1618	44.2068	0.7813	3.1252	A572-65 (65 ksi)
L36	42.25-42.00	0.25	0.00	12	44.2068	44.2518	0.7813	3.1252	A572-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L37	42.00-41.75	0.25	0.00	12	44.2518	44.2968	0.6813	2.7252	(65 ksi) A572-65 (65 ksi)
L38	41.75-36.75	5.00	0.00	12	44.2968	45.1969	0.6813	2.7252	A572-65 (65 ksi)
L39	36.75-32.00	4.75	0.00	12	45.1969	46.0520	0.6688	2.6752	A572-65 (65 ksi)
L40	32.00-31.75	0.25	0.00	12	46.0520	46.0970	0.7188	2.8752	A572-65 (65 ksi)
L41	31.75-26.75	5.00	0.00	12	46.0970	46.9972	0.7063	2.8252	A572-65 (65 ksi)
L42	26.75-21.75	5.00	0.00	12	46.9972	47.8973	0.7063	2.8252	A572-65 (65 ksi)
L43	21.75-18.00	3.75	0.00	12	47.8973	48.5724	0.7063	2.8252	A572-65 (65 ksi)
L44	18.00-17.75	0.25	0.00	12	48.5724	48.6174	0.7063	2.8252	A572-65 (65 ksi)
L45	17.75-9.92	7.83	7.08	12	48.6174	50.0270	0.7063	2.8252	A572-65 (65 ksi)
L46	9.92-8.92	8.08	0.00	12	47.9398	49.3943	0.6625	2.6500	A572-65 (65 ksi)
L47	8.92-3.92	5.00	0.00	12	49.3943	50.2944	0.6625	2.6500	A572-65 (65 ksi)
L48	3.92-2.75	1.17	0.00	12	50.2944	50.5050	0.6625	2.6500	A572-65 (65 ksi)
L49	2.75-2.50	0.25	0.00	12	50.5050	50.5500	0.7125	2.8500	A572-65 (65 ksi)
L50	2.50-0.00	2.50		12	50.5500	51.0000	0.7125	2.8500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	22.8283	15.4302	945.1353	7.8424	11.4608	82.4671	1915.1004	7.5943	5.3433	24.426
	23.7601	16.0642	1066.4771	8.1646	11.9270	89.4174	2160.9717	7.9063	5.5845	25.529
L2	23.7601	16.0642	1066.4771	8.1646	11.9270	89.4174	2160.9717	7.9063	5.5845	25.529
	24.6918	16.6981	1197.7839	8.4868	12.3932	96.6489	2427.0349	8.2183	5.8257	26.632
L3	24.6918	16.6981	1197.7839	8.4868	12.3932	96.6489	2427.0349	8.2183	5.8257	26.632
	25.6236	17.3320	1339.4490	8.8090	12.8594	104.1615	2714.0868	8.5303	6.0669	27.734
L4	25.6236	17.3320	1339.4490	8.8090	12.8594	104.1615	2714.0868	8.5303	6.0669	27.734
	26.5553	17.9660	1491.8657	9.1312	13.3256	111.9553	3022.9243	8.8423	6.3080	28.837
L5	26.5553	17.9660	1491.8657	9.1312	13.3256	111.9553	3022.9243	8.8423	6.3080	28.837
	28.3256	19.1704	1812.4863	9.7434	14.2113	127.5381	3672.5887	9.4351	6.7663	30.932
L6	27.8396	26.0367	2225.0149	9.2632	13.5651	164.0246	4508.4834	12.8145	6.1807	19.778
	27.9328	26.9423	2465.3470	9.5854	14.0313	175.7034	4995.4613	13.2602	6.4219	20.55
L7	27.9328	26.9423	2465.3470	9.5854	14.0313	175.7034	4995.4613	13.2602	6.4219	20.55
	28.8645	27.8479	2722.3905	9.9076	14.4975	187.7837	5516.3011	13.7059	6.6631	21.322
L8	28.8645	27.8479	2722.3905	9.9076	14.4975	187.7837	5516.3011	13.7059	6.6631	21.322
	29.7962	28.7535	2996.7070	10.2298	14.9637	200.2657	6072.1409	14.1516	6.9043	22.094
L9	29.7962	28.7535	2996.7070	10.2298	14.9637	200.2657	6072.1409	14.1516	6.9043	22.094
	30.7279	29.6590	3288.8584	10.5520	15.4298	213.1494	6664.1188	14.5973	7.1455	22.866
L10	30.7279	29.6590	3288.8584	10.5520	15.4298	213.1494	6664.1188	14.5973	7.1455	22.866
	31.6596	30.5646	3599.4062	10.8742	15.8960	226.4346	7293.3729	15.0430	7.3867	23.637
L11	31.6596	30.5646	3599.4062	10.8742	15.8960	226.4346	7293.3729	15.0430	7.3867	23.637
	32.5913	31.4702	3928.9123	11.1964	16.3622	240.1215	7961.0415	15.4887	7.6279	24.409
L12	32.5913	31.4702	3928.9123	11.1964	16.3622	240.1215	7961.0415	15.4887	7.6279	24.409
	33.5230	32.3758	4277.9382	11.5185	16.8284	254.2101	8668.2626	15.9344	7.8691	25.181
L13	33.5230	32.3758	4277.9382	11.5185	16.8284	254.2101	8668.2626	15.9344	7.8691	25.181
	34.4547	33.2813	4647.0457	11.8407	17.2945	268.7002	9416.1745	16.3801	8.1103	25.953
L14	34.4547	33.2813	4647.0457	11.8407	17.2945	268.7002	9416.1745	16.3801	8.1103	25.953
	35.3864	34.1869	5036.7965	12.1629	17.7607	283.5921	10205.9153	16.8258	8.3514	26.725
L15	35.3864	34.1869	5036.7965	12.1629	17.7607	283.5921	10205.9153	16.8258	8.3514	26.725

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	37.1566	35.9075	5836.2071	12.7751	18.6464	312.9930	11825.7378	17.6726	8.8097	28.191
L16	36.4875	41.0635	6061.4983	12.1745	17.8099	340.3443	12282.2389	20.2102	8.2094	21.892
	36.6738	42.4762	6708.8561	12.5934	18.4159	364.2965	13593.9613	20.9055	8.5229	22.728
L17	36.6738	42.4762	6708.8561	12.5934	18.4159	364.2965	13593.9613	20.9055	8.5229	22.728
	37.6055	43.5629	7237.0437	12.9155	18.8821	383.2755	14664.2127	21.4403	8.7641	23.371
L18	37.6055	43.5629	7237.0437	12.9155	18.8821	383.2755	14664.2127	21.4403	8.7641	23.371
	38.5372	44.6496	7792.2511	13.2377	19.3483	402.7365	15789.2133	21.9752	9.0053	24.014
L19	38.5372	44.6496	7792.2511	13.2377	19.3483	402.7365	15789.2133	21.9752	9.0053	24.014
	38.7850	44.9386	7944.5715	13.3234	19.4723	407.9943	16097.8557	22.1174	9.0695	24.185
L20	38.7850	44.9386	7944.5715	13.3234	19.4723	407.9943	16097.8557	22.1174	9.0695	24.185
	38.8316	44.9929	7973.4230	13.3395	19.4956	408.9864	16156.3166	22.1442	9.0815	24.217
L21	38.8316	44.9929	7973.4230	13.3395	19.4956	408.9864	16156.3166	22.1442	9.0815	24.217
	39.7633	46.0796	8565.2154	13.6617	19.9617	429.0816	17355.4486	22.6790	9.3227	24.861
L22	39.7633	46.0796	8565.2154	13.6617	19.9617	429.0816	17355.4486	22.6790	9.3227	24.861
	40.6950	47.1663	9185.5886	13.9839	20.4279	449.6588	18612.4929	23.2138	9.5639	25.504
L23	40.6950	47.1663	9185.5886	13.9839	20.4279	449.6588	18612.4929	23.2138	9.5639	25.504
	41.6267	48.2530	9835.2166	14.3061	20.8941	470.7179	19928.8153	23.7486	9.8051	26.147
L24	41.6267	48.2530	9835.2166	14.3061	20.8941	470.7179	19928.8153	23.7486	9.8051	26.147
	42.0776	48.7789	10160.3431	14.4620	21.1197	481.0836	20587.6098	24.0075	9.9218	26.458
L25	42.0776	48.7789	10160.3431	14.4620	21.1197	481.0836	20587.6098	24.0075	9.9218	26.458
	42.1242	48.8333	10194.3332	14.4781	21.1430	482.1609	20656.4829	24.0342	9.9339	26.49
L26	42.1242	48.8333	10194.3332	14.4781	21.1430	482.1609	20656.4829	24.0342	9.9339	26.49
	42.3571	49.1049	10365.4210	14.5586	21.2596	487.5653	21003.1531	24.1680	9.9942	26.651
L27	42.2689	81.3384	16959.0466	14.4691	21.2596	797.7142	34363.6262	40.0323	9.3242	14.919
	42.3155	81.4290	17015.7527	14.4853	21.2829	799.5049	34478.5281	40.0769	9.3362	14.938
L28	42.3155	81.4290	17015.7527	14.4853	21.2829	799.5049	34478.5281	40.0769	9.3362	14.938
	43.2472	83.2401	18176.5775	14.8074	21.7490	835.7420	36830.6739	40.9683	9.5774	15.324
L29	43.2516	81.6000	17829.2008	14.8119	21.7490	819.7699	36126.7946	40.1610	9.6109	15.691
	44.1833	83.3749	19018.1165	15.1341	22.2152	856.0858	38535.8601	41.0346	9.8521	16.085
L30	44.1833	83.3749	19018.1165	15.1341	22.2152	856.0858	38535.8601	41.0346	9.8521	16.085
	45.5193	85.9201	20813.5479	15.5961	22.8837	909.5365	42173.8909	42.2873	10.1979	16.65
L31	44.7321	86.2957	19087.1041	14.9027	21.8966	871.6911	38675.6477	42.4721	9.6034	14.917
	44.9185	89.0649	20984.1526	15.3809	22.5886	928.9719	42519.5822	43.8350	9.9614	15.473
L32	44.9185	89.0649	20984.1526	15.3809	22.5886	928.9719	42519.5822	43.8350	9.9614	15.473
	45.3993	90.0277	21672.0973	15.5472	22.8292	949.3161	43913.5447	44.3089	10.0858	15.666

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L33	45.3817	96.9079	23274.6602	15.5293	22.8292	1019.5141	47160.7716	47.6951	9.9518	14.344
	45.4283	97.0085	23347.1806	15.5454	22.8525	1021.6475	47307.7176	47.7446	9.9639	14.361
L34	45.4283	97.0085	23347.1806	15.5454	22.8525	1021.6475	47307.7176	47.7446	9.9639	14.361
	45.4749	97.1090	23419.8515	15.5615	22.8758	1023.7830	47454.9685	47.7941	9.9760	14.379
L35	45.4440	109.1360	26214.5465	15.5302	22.8758	1145.9512	53117.7782	53.7134	9.7415	12.468
	45.4906	109.2492	26296.2224	15.5463	22.8991	1148.3513	53283.2758	53.7691	9.7535	12.484
L36	45.4906	109.2492	26296.2224	15.5463	22.8991	1148.3513	53283.2758	53.7691	9.7535	12.484
	45.5372	109.3624	26378.0678	15.5624	22.9224	1150.7539	53449.1167	53.8249	9.7656	12.499
L37	45.5725	95.5843	23160.9981	15.5982	22.9224	1010.4080	46930.4613	47.0437	10.0336	14.727
	45.6191	95.6830	23232.8451	15.6143	22.9457	1012.5125	47076.0429	47.0923	10.0457	14.745
L38	45.6191	95.6830	23232.8451	15.6143	22.9457	1012.5125	47076.0429	47.0923	10.0457	14.745
	46.5510	97.6577	24701.1596	15.9366	23.4120	1055.0640	50051.2462	48.0642	10.2869	15.099
L39	46.5554	95.8929	24268.3928	15.9411	23.4120	1036.5791	49174.3433	47.1956	10.3204	15.431
	47.4406	97.7344	25693.5711	16.2472	23.8550	1077.0748	52062.1410	48.1019	10.5496	15.774
L40	47.4230	104.9254	27523.2719	16.2293	23.8550	1153.7759	55769.6107	51.6411	10.4156	14.49
	47.4696	105.0296	27605.3278	16.2454	23.8783	1156.0858	55935.8782	51.6924	10.4276	14.507
L41	47.4740	103.2315	27147.6907	16.2499	23.8783	1136.9204	55008.5814	50.8074	10.4611	14.811
	48.4059	105.2787	28794.9988	16.5721	24.3445	1182.8117	58346.4743	51.8150	10.7024	15.153
L42	48.4059	105.2787	28794.9988	16.5721	24.3445	1182.8117	58346.4743	51.8150	10.7024	15.153
	49.3378	107.3258	30507.6329	16.8944	24.8108	1229.6110	61816.7353	52.8225	10.9436	15.494
L43	49.3378	107.3258	30507.6329	16.8944	24.8108	1229.6110	61816.7353	52.8225	10.9436	15.494
	50.0367	108.8612	31835.7428	17.1361	25.1605	1265.3064	64507.8460	53.5782	11.1245	15.75
L44	50.0367	108.8612	31835.7428	17.1361	25.1605	1265.3064	64507.8460	53.5782	11.1245	15.75
	50.0833	108.9635	31925.6285	17.1522	25.1838	1267.7043	64689.9789	53.6285	11.1366	15.767
L45	50.0833	108.9635	31925.6285	17.1522	25.1838	1267.7043	64689.9789	53.6285	11.1366	15.767
	51.5426	112.1694	34827.2131	17.6568	25.9140	1343.9543	70569.3759	55.2064	11.5144	16.302
L46	50.7167	100.8543	28773.0720	16.9253	24.8328	1158.6708	58302.0446	49.6374	11.0724	16.713
	50.9030	103.9571	31511.2188	17.4460	25.5863	1231.5685	63850.2724	51.1645	11.4622	17.301
L47	50.9030	103.9571	31511.2188	17.4460	25.5863	1231.5685	63850.2724	51.1645	11.4622	17.301
	51.8348	105.8772	33289.6565	17.7682	26.0525	1277.7923	67453.8693	52.1095	11.7034	17.665
L48	51.8348	105.8772	33289.6565	17.7682	26.0525	1277.7923	67453.8693	52.1095	11.7034	17.665
	52.0529	106.3265	33715.2506	17.8436	26.1616	1288.7317	68316.2385	52.3306	11.7598	17.751
L49	52.0353	114.2364	36150.7841	17.8257	26.1616	1381.8275	73251.2896	56.2237	11.6258	16.317
	52.0818	114.3396	36248.8924	17.8418	26.1849	1384.3441	73450.0837	56.2745	11.6379	16.334
L50	52.0818	114.3396	36248.8924	17.8418	26.1849	1384.3441	73450.0837	56.2745	11.6379	16.334

Section	Tip Dia.	Area	I	r	C	I/C	J	It/Q	w	w/t
	in	in^2	in^4	in	in	in^3	in^4	in^2	in	
	52.5477	115.3721	37239.7560	18.0029	26.4180	1409.6357	75457.8419	56.7826	11.7585	16.503

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft^2	in					in	in	in
L1 175.00-170.00				1	1	1			
L2 170.00-165.00				1	1	1			
L3 165.00-160.00				1	1	1			
L4 160.00-155.00				1	1	1			
L5 155.00-145.50				1	1	1			
L6 145.50-145.00				1	1	1			
L7 145.00-140.00				1	1	1			
L8 140.00-135.00				1	1	1			
L9 135.00-130.00				1	1	1			
L10 130.00-125.00				1	1	1			
L11 125.00-120.00				1	1	1			
L12 120.00-115.00				1	1	1			
L13 115.00-110.00				1	1	1			
L14 110.00-105.00				1	1	1			
L15 105.00-95.50				1	1	1			
L16 95.50-94.50				1	1	1			
L17 94.50-89.50				1	1	1			
L18 89.50-84.50				1	1	1			
L19 84.50-83.17				1	1	1			
L20 83.17-82.92				1	1	1			
L21 82.92-77.92				1	1	1			
L22 77.92-72.92				1	1	1			
L23 72.92-67.92				1	1	1			
L24 67.92-65.50				1	1	1			
L25 65.50-65.25				1	1	1			
L26 65.25-64.00				1	1	1			
L27 64.00-63.75				1	1	0.976145			
L28 63.75-58.75				1	1	0.967961			
L29 58.75-53.75				1	1	0.97943			
L30 53.75-46.58				1	1	0.978261			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L31 46.58-45.58				1	1	0.975092			
L32 45.58-43.00				1	1	0.971413			
L33 43.00-42.75				1	1	1.01877			
L34 42.75-42.50				1	1	1.01832			
L35 42.50-42.25				1	1	0.95749			
L36 42.25-42.00				1	1	0.957038			
L37 42.00-41.75				1	1	0.965912			
L38 41.75-36.75				1	1	0.95844			
L39 36.75-32.00				1	1	0.969134			
L40 32.00-31.75				1	1	0.963165			
L41 31.75-26.75				1	1	0.972072			
L42 26.75-21.75				1	1	0.964503			
L43 21.75-18.00				1	1	0.959013			
L44 18.00-17.75				1	1	0.958652			
L45 17.75-9.92				1	1	0.957575			
L46 9.92-8.92				1	1	1.06152			
L47 8.92-3.92				1	1	1.05424			
L48 3.92-2.75				1	1	1.05258			
L49 2.75-2.50				1	1	0.954075			
L50 2.50-0.00				1	1	0.951032			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
LDF7-50A(1-5/8) **********	A	No	Surface Ar (CaAa)	162.00 - 0.00	4	3	-0.192 -0.108	1.9800		0.82
CU12PSM6P4XXX(1-3/4) ********** **********	A	No	Surface Ar (CaAa)	154.00 - 0.00	1	1	0.167 0.167	1.7500		2.72
MP3-05 Reinforcement	B	No	Surface Af (CaAa)	20.50 - 0.00	1	1	0.358 0.358	5.3300	14.8400	19.22
MP3-05 Reinforcement	A	No	Surface Af (CaAa)	20.50 - 0.00	1	1	0.358 0.358	5.3300	14.8400	19.22
MP3-05 Reinforcement	C	No	Surface Af (CaAa)	20.50 - 0.00	1	1	0.358 0.358	5.3300	14.8400	19.22
MP3-05 Reinforcement	C	No	Surface Af (CaAa)	45.50 - 15.50	1	1	-0.142 -0.142	5.3300	14.8400	19.22
MP3-05 Reinforcement	B	No	Surface Af (CaAa)	45.50 - 15.50	1	1	-0.142 -0.142	5.3300	14.8400	19.22
MP3-05 Reinforcement	A	No	Surface Af (CaAa)	44.83 - 15.50	1	1	-0.142 -0.142	5.3300	14.8400	19.22
MP3-04 Reinforcement	B	No	Surface Af (CaAa)	65.50 - 40.50	1	1	0.358 0.358	4.7800	12.7800	13.78

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
MP3-04 Reinforcement	A	No	Surface Af (CaAa)	65.50 - 40.50	1	1	0.358 0.358	4.7800	12.7800	13.78
MP3-04 Reinforcement	C	No	Surface Af (CaAa)	65.50 - 40.50	1	1	0.358 0.358	4.7800	12.7800	13.78
**********										
CCI-065125 Reinforcement	B	No	Surface Af (CaAa)	15.50 - 0.00	1	1	-0.142 -0.142	6.5000	15.5000	25.52
CCI-065125 Reinforcement	B	No	Surface Af (CaAa)	35.50 - 10.50	1	1	0.108 0.108	6.5000	15.5000	25.52
CCI-065125 Reinforcement	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.108 0.108	6.5000	15.5000	25.52
CCI-065125 Reinforcement	C	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.108 0.108	6.5000	15.5000	25.52
CCI-060100 Reinforcement	B	No	Surface Af (CaAa)	85.67 - 35.50	1	1	0.108 0.108	6.0000	14.0000	20.42
CCI-060100 Reinforcement	A	No	Surface Af (CaAa)	85.67 - 35.50	1	1	0.108 0.108	6.0000	14.0000	20.42
CCI-060100 Reinforcement	C	No	Surface Af (CaAa)	85.67 - 35.50	1	1	0.108 0.108	6.0000	14.0000	20.42
****** ***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
**********									
LDF6-50A(1-1/4)	C	No	No	Inside Pole	174.00 - 0.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.60 0.60 0.60
LDF7-50A(1-5/8)	C	No	No	Inside Pole	174.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82
**********									
2" (Nominal) Conduit	C	No	No	Inside Pole	162.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.72 0.72 0.72
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	162.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
WR-VG82ST-BRDA(5/8)	C	No	No	Inside Pole	162.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.31 0.31 0.31
LDF6-50A(1-1/4)	C	No	No	Inside Pole	162.00 - 0.00	4	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.60 0.60 0.60
**********									
HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	144.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.50 2.50 2.50
********** ****** ***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	175.00-170.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L2	170.00-165.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L3	165.00-160.00	A	0.000	0.000	1.188	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.03
L4	160.00-155.00	A	0.000	0.000	2.970	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L5	155.00-145.50	A	0.000	0.000	7.130	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L6	145.50-145.00	A	0.000	0.000	0.385	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L7	145.00-140.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.07
L8	140.00-135.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L9	135.00-130.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L10	130.00-125.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L11	125.00-120.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L12	120.00-115.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L13	115.00-110.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L14	110.00-105.00	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L15	105.00-95.50	A	0.000	0.000	7.305	0.000	0.06
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.15
L16	95.50-94.50	A	0.000	0.000	0.769	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L17	94.50-89.50	A	0.000	0.000	3.845	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L18	89.50-84.50	A	0.000	0.000	5.015	0.000	0.05
		B	0.000	0.000	1.170	0.000	0.02
		C	0.000	0.000	1.170	0.000	0.10
L19	84.50-83.17	A	0.000	0.000	2.353	0.000	0.04
		B	0.000	0.000	1.330	0.000	0.03
		C	0.000	0.000	1.330	0.000	0.05
L20	83.17-82.92	A	0.000	0.000	0.442	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.250	0.000	0.01
L21	82.92-77.92	A	0.000	0.000	8.845	0.000	0.13
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.000	0.000	0.18
L22	77.92-72.92	A	0.000	0.000	8.845	0.000	0.13
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.000	0.000	0.18
L23	72.92-67.92	A	0.000	0.000	8.845	0.000	0.13
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.000	0.000	0.18

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L24	67.92-65.50	A	0.000	0.000	4.281	0.000	0.06
		B	0.000	0.000	2.420	0.000	0.05
		C	0.000	0.000	2.420	0.000	0.09
L25	65.50-65.25	A	0.000	0.000	0.641	0.000	0.01
		B	0.000	0.000	0.449	0.000	0.01
		C	0.000	0.000	0.449	0.000	0.01
L26	65.25-64.00	A	0.000	0.000	3.207	0.000	0.05
		B	0.000	0.000	2.246	0.000	0.04
		C	0.000	0.000	2.246	0.000	0.06
L27	64.00-63.75	A	0.000	0.000	0.641	0.000	0.01
		B	0.000	0.000	0.449	0.000	0.01
		C	0.000	0.000	0.449	0.000	0.01
L28	63.75-58.75	A	0.000	0.000	12.828	0.000	0.20
		B	0.000	0.000	8.983	0.000	0.17
		C	0.000	0.000	8.983	0.000	0.25
L29	58.75-53.75	A	0.000	0.000	12.828	0.000	0.20
		B	0.000	0.000	8.983	0.000	0.17
		C	0.000	0.000	8.983	0.000	0.25
L30	53.75-46.58	A	0.000	0.000	18.396	0.000	0.29
		B	0.000	0.000	12.882	0.000	0.25
		C	0.000	0.000	12.882	0.000	0.36
L31	46.58-45.58	A	0.000	0.000	2.566	0.000	0.04
		B	0.000	0.000	1.797	0.000	0.03
		C	0.000	0.000	1.797	0.000	0.05
L32	45.58-43.00	A	0.000	0.000	8.245	0.000	0.14
		B	0.000	0.000	6.856	0.000	0.14
		C	0.000	0.000	6.856	0.000	0.18
L33	43.00-42.75	A	0.000	0.000	0.863	0.000	0.01
		B	0.000	0.000	0.671	0.000	0.01
		C	0.000	0.000	0.671	0.000	0.02
L34	42.75-42.50	A	0.000	0.000	0.863	0.000	0.01
		B	0.000	0.000	0.671	0.000	0.01
		C	0.000	0.000	0.671	0.000	0.02
L35	42.50-42.25	A	0.000	0.000	0.863	0.000	0.01
		B	0.000	0.000	0.671	0.000	0.01
		C	0.000	0.000	0.671	0.000	0.02
L36	42.25-42.00	A	0.000	0.000	0.863	0.000	0.01
		B	0.000	0.000	0.671	0.000	0.01
		C	0.000	0.000	0.671	0.000	0.02
L37	42.00-41.75	A	0.000	0.000	0.863	0.000	0.01
		B	0.000	0.000	0.671	0.000	0.01
		C	0.000	0.000	0.671	0.000	0.02
L38	41.75-36.75	A	0.000	0.000	14.283	0.000	0.25
		B	0.000	0.000	10.438	0.000	0.22
		C	0.000	0.000	10.438	0.000	0.29
L39	36.75-32.00	A	0.000	0.000	12.914	0.000	0.23
		B	0.000	0.000	9.261	0.000	0.21
		C	0.000	0.000	9.261	0.000	0.28
L40	32.00-31.75	A	0.000	0.000	0.685	0.000	0.01
		B	0.000	0.000	0.493	0.000	0.01
		C	0.000	0.000	0.493	0.000	0.02
L41	31.75-26.75	A	0.000	0.000	13.703	0.000	0.25
		B	0.000	0.000	9.858	0.000	0.22
		C	0.000	0.000	9.858	0.000	0.30
L42	26.75-21.75	A	0.000	0.000	13.703	0.000	0.25
		B	0.000	0.000	9.858	0.000	0.22
		C	0.000	0.000	9.858	0.000	0.30
L43	21.75-18.00	A	0.000	0.000	12.498	0.000	0.24
		B	0.000	0.000	9.615	0.000	0.22
		C	0.000	0.000	9.615	0.000	0.27
L44	18.00-17.75	A	0.000	0.000	0.907	0.000	0.02
		B	0.000	0.000	0.715	0.000	0.02
		C	0.000	0.000	0.715	0.000	0.02
L45	17.75-9.92	A	0.000	0.000	23.458	0.000	0.44
		B	0.000	0.000	22.854	0.000	0.52
		C	0.000	0.000	17.437	0.000	0.52
L46	9.92-8.92	A	0.000	0.000	2.741	0.000	0.05
		B	0.000	0.000	1.972	0.000	0.04
		C	0.000	0.000	1.972	0.000	0.06

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L47	8.92-3.92	A	0.000	0.000	13.703	0.000	0.25
		B	0.000	0.000	9.858	0.000	0.22
		C	0.000	0.000	9.858	0.000	0.30
L48	3.92-2.75	A	0.000	0.000	3.207	0.000	0.06
		B	0.000	0.000	2.307	0.000	0.05
		C	0.000	0.000	2.307	0.000	0.07
L49	2.75-2.50	A	0.000	0.000	0.685	0.000	0.01
		B	0.000	0.000	0.493	0.000	0.01
		C	0.000	0.000	0.493	0.000	0.02
L50	2.50-0.00	A	0.000	0.000	6.852	0.000	0.13
		B	0.000	0.000	4.929	0.000	0.11
		C	0.000	0.000	4.929	0.000	0.15

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	175.00-170.00	A	1.003	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L2	170.00-165.00	A	1.000	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L3	165.00-160.00	A	0.997	0.000	0.000	1.983	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.03
L4	160.00-155.00	A	0.994	0.000	0.000	4.955	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L5	155.00-145.50	A	0.989	0.000	0.000	12.572	0.000	0.17
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L6	145.50-145.00	A	0.986	0.000	0.000	0.681	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L7	145.00-140.00	A	0.984	0.000	0.000	6.801	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.07
L8	140.00-135.00	A	0.980	0.000	0.000	6.793	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L9	135.00-130.00	A	0.977	0.000	0.000	6.785	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L10	130.00-125.00	A	0.973	0.000	0.000	6.777	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L11	125.00-120.00	A	0.969	0.000	0.000	6.768	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L12	120.00-115.00	A	0.965	0.000	0.000	6.759	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L13	115.00-110.00	A	0.961	0.000	0.000	6.750	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L14	110.00-105.00	A	0.957	0.000	0.000	6.740	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L15	105.00-95.50	A	0.950	0.000	0.000	12.777	0.000	0.17
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.15
L16	95.50-94.50	A	0.945	0.000	0.000	1.345	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L17	94.50-89.50	A	0.942	0.000	0.000	6.706	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L18	89.50-84.50	A	0.937	0.000	0.000	8.084	0.000	0.12
		B		0.000	0.000	1.389	0.000	0.03
		C		0.000	0.000	1.389	0.000	0.11
L19	84.50-83.17	A	0.933	0.000	0.000	3.357	0.000	0.06
		B		0.000	0.000	1.578	0.000	0.04
		C		0.000	0.000	1.578	0.000	0.06
L20	83.17-82.92	A	0.932	0.000	0.000	0.631	0.000	0.01
		B		0.000	0.000	0.297	0.000	0.01
		C		0.000	0.000	0.297	0.000	0.01
L21	82.92-77.92	A	0.929	0.000	0.000	12.607	0.000	0.22
		B		0.000	0.000	5.929	0.000	0.13
		C		0.000	0.000	5.929	0.000	0.21
L22	77.92-72.92	A	0.923	0.000	0.000	12.588	0.000	0.22
		B		0.000	0.000	5.923	0.000	0.13
		C		0.000	0.000	5.923	0.000	0.21
L23	72.92-67.92	A	0.917	0.000	0.000	12.567	0.000	0.22
		B		0.000	0.000	5.917	0.000	0.13
		C		0.000	0.000	5.917	0.000	0.21
L24	67.92-65.50	A	0.912	0.000	0.000	6.075	0.000	0.11
		B		0.000	0.000	2.861	0.000	0.06
		C		0.000	0.000	2.861	0.000	0.10
L25	65.50-65.25	A	0.910	0.000	0.000	0.872	0.000	0.02
		B		0.000	0.000	0.540	0.000	0.01
		C		0.000	0.000	0.540	0.000	0.02
L26	65.25-64.00	A	0.909	0.000	0.000	4.359	0.000	0.08
		B		0.000	0.000	2.700	0.000	0.06
		C		0.000	0.000	2.700	0.000	0.08
L27	64.00-63.75	A	0.908	0.000	0.000	0.871	0.000	0.02
		B		0.000	0.000	0.540	0.000	0.01
		C		0.000	0.000	0.540	0.000	0.02
L28	63.75-58.75	A	0.904	0.000	0.000	17.414	0.000	0.31
		B		0.000	0.000	10.792	0.000	0.23
		C		0.000	0.000	10.792	0.000	0.31
L29	58.75-53.75	A	0.897	0.000	0.000	17.381	0.000	0.31
		B		0.000	0.000	10.776	0.000	0.23
		C		0.000	0.000	10.776	0.000	0.31
L30	53.75-46.58	A	0.886	0.000	0.000	24.862	0.000	0.45
		B		0.000	0.000	15.424	0.000	0.33
		C		0.000	0.000	15.424	0.000	0.44
L31	46.58-45.58	A	0.879	0.000	0.000	3.468	0.000	0.06
		B		0.000	0.000	2.151	0.000	0.05
		C		0.000	0.000	2.151	0.000	0.06
L32	45.58-43.00	A	0.875	0.000	0.000	10.868	0.000	0.21
		B		0.000	0.000	8.197	0.000	0.18
		C		0.000	0.000	8.197	0.000	0.22
L33	43.00-42.75	A	0.873	0.000	0.000	1.130	0.000	0.02
		B		0.000	0.000	0.802	0.000	0.02
		C		0.000	0.000	0.802	0.000	0.02
L34	42.75-42.50	A	0.872	0.000	0.000	1.130	0.000	0.02
		B		0.000	0.000	0.802	0.000	0.02
		C		0.000	0.000	0.802	0.000	0.02
L35	42.50-42.25	A	0.872	0.000	0.000	1.129	0.000	0.02
		B		0.000	0.000	0.802	0.000	0.02
		C		0.000	0.000	0.802	0.000	0.02
L36	42.25-42.00	A	0.871	0.000	0.000	1.129	0.000	0.02
		B		0.000	0.000	0.802	0.000	0.02
		C		0.000	0.000	0.802	0.000	0.02
L37	42.00-41.75	A	0.870	0.000	0.000	1.129	0.000	0.02
		B		0.000	0.000	0.802	0.000	0.02
		C		0.000	0.000	0.802	0.000	0.02
L38	41.75-36.75	A	0.865	0.000	0.000	18.917	0.000	0.36
		B		0.000	0.000	12.383	0.000	0.28
		C		0.000	0.000	12.383	0.000	0.36
L39	36.75-32.00	A	0.853	0.000	0.000	17.065	0.000	0.34
		B		0.000	0.000	10.883	0.000	0.26
		C		0.000	0.000	10.883	0.000	0.34

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L40	32.00-31.75	A	0.847	0.000	0.000	0.902	0.000	0.02
		B		0.000	0.000	0.578	0.000	0.01
		C		0.000	0.000	0.578	0.000	0.02
L41	31.75-26.75	A	0.840	0.000	0.000	18.015	0.000	0.36
		B		0.000	0.000	11.538	0.000	0.28
		C		0.000	0.000	11.538	0.000	0.36
L42	26.75-21.75	A	0.824	0.000	0.000	17.949	0.000	0.36
		B		0.000	0.000	11.507	0.000	0.28
		C		0.000	0.000	11.507	0.000	0.36
L43	21.75-18.00	A	0.808	0.000	0.000	16.035	0.000	0.33
		B		0.000	0.000	11.230	0.000	0.27
		C		0.000	0.000	11.230	0.000	0.33
L44	18.00-17.75	A	0.799	0.000	0.000	1.154	0.000	0.02
		B		0.000	0.000	0.835	0.000	0.02
		C		0.000	0.000	0.835	0.000	0.02
L45	17.75-9.92	A	0.779	0.000	0.000	30.157	0.000	0.61
		B		0.000	0.000	26.332	0.000	0.65
		C		0.000	0.000	20.228	0.000	0.61
L46	9.92-8.92	A	0.750	0.000	0.000	3.551	0.000	0.07
		B		0.000	0.000	2.270	0.000	0.06
		C		0.000	0.000	2.283	0.000	0.07
L47	8.92-3.92	A	0.722	0.000	0.000	17.512	0.000	0.35
		B		0.000	0.000	11.247	0.000	0.27
		C		0.000	0.000	11.301	0.000	0.35
L48	3.92-2.75	A	0.676	0.000	0.000	4.052	0.000	0.08
		B		0.000	0.000	2.616	0.000	0.06
		C		0.000	0.000	2.623	0.000	0.08
L49	2.75-2.50	A	0.660	0.000	0.000	0.863	0.000	0.02
		B		0.000	0.000	0.558	0.000	0.01
		C		0.000	0.000	0.559	0.000	0.02
L50	2.50-0.00	A	0.613	0.000	0.000	8.525	0.000	0.17
		B		0.000	0.000	5.535	0.000	0.13
		C		0.000	0.000	5.542	0.000	0.17

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	175.00-170.00	0.0000	0.0000	0.0000	0.0000
L2	170.00-165.00	0.0000	0.0000	0.0000	0.0000
L3	165.00-160.00	-1.4911	-0.3169	-1.6764	-0.3563
L4	160.00-155.00	-2.8891	-0.6141	-3.2992	-0.7013
L5	155.00-145.50	-3.2487	-1.1322	-3.7458	-1.4230
L6	145.50-145.00	-3.3058	-1.1960	-3.8110	-1.5076
L7	145.00-140.00	-3.3298	-1.2052	-3.8292	-1.5147
L8	140.00-135.00	-3.3723	-1.2215	-3.8648	-1.5294
L9	135.00-130.00	-3.4136	-1.2373	-3.8988	-1.5434
L10	130.00-125.00	-3.4535	-1.2526	-3.9313	-1.5567
L11	125.00-120.00	-3.4923	-1.2675	-3.9625	-1.5694
L12	120.00-115.00	-3.5299	-1.2819	-3.9922	-1.5815
L13	115.00-110.00	-3.5665	-1.2959	-4.0206	-1.5930
L14	110.00-105.00	-3.6020	-1.3095	-4.0478	-1.6039
L15	105.00-95.50	-3.6517	-1.3285	-4.0849	-1.6187
L16	95.50-94.50	-3.6647	-1.3335	-4.0970	-1.6238
L17	94.50-89.50	-3.6845	-1.3411	-4.1074	-1.6270
L18	89.50-84.50	-3.1315	-1.1403	-3.6125	-1.4308
L19	84.50-83.17	-2.0853	-0.7596	-2.5799	-1.0217
L20	83.17-82.92	-2.0890	-0.7609	-2.5844	-1.0235
L21	82.92-77.92	-2.1010	-0.7655	-2.5994	-1.0293
L22	77.92-72.92	-2.1236	-0.7740	-2.6274	-1.0402
L23	72.92-67.92	-2.1457	-0.7824	-2.6545	-1.0506
L24	67.92-65.50	-2.1618	-0.7885	-2.6741	-1.0580
L25	65.50-65.25	-1.5961	-0.5822	-2.0600	-0.8150
L26	65.25-64.00	-1.5997	-0.5836	-2.0637	-0.8164

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L27	64.00-63.75	-1.6041	-0.5852	-2.0688	-0.8184
L28	63.75-58.75	-1.6165	-0.5898	-2.0815	-0.8232
L29	58.75-53.75	-1.6400	-0.5986	-2.1051	-0.8321
L30	53.75-46.58	-1.6682	-0.6092	-2.1330	-0.8425
L31	46.58-45.58	-1.6679	-0.6091	-2.1330	-0.8425
L32	45.58-43.00	-0.8852	-0.5005	-1.3393	-0.7081
L33	43.00-42.75	-1.2885	-0.4706	-1.7204	-0.6786
L34	42.75-42.50	-1.2895	-0.4710	-1.7214	-0.6790
L35	42.50-42.25	-1.2906	-0.4714	-1.7227	-0.6794
L36	42.25-42.00	-1.2916	-0.4717	-1.7237	-0.6798
L37	42.00-41.75	-1.2923	-0.4720	-1.7243	-0.6800
L38	41.75-36.75	-1.5382	-0.5619	-2.0053	-0.7904
L39	36.75-32.00	-1.6264	-0.5943	-2.1059	-0.8293
L40	32.00-31.75	-1.6262	-0.5943	-2.1057	-0.8287
L41	31.75-26.75	-1.6374	-0.5985	-2.1155	-0.8319
L42	26.75-21.75	-1.6588	-0.6065	-2.1333	-0.8376
L43	21.75-18.00	-1.4137	-0.5170	-1.8628	-0.7301
L44	18.00-17.75	-1.3179	-0.4820	-1.7529	-0.6864
L45	17.75-9.92	-0.8959	-1.9930	-1.3976	-2.0547
L46	9.92-8.92	-3.0828	-2.7421	-3.4018	-2.7089
L47	8.92-3.92	-3.1062	-2.7635	-3.3957	-2.7139
L48	3.92-2.75	-3.1294	-2.7848	-3.3936	-2.7255
L49	2.75-2.50	-3.1343	-2.7894	-3.3906	-2.7276
L50	2.50-0.00	-3.1431	-2.7975	-3.3774	-2.7251

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
L3	10	LDF7-50A(1-5/8)	160.00 - 162.00	1.0000	1.0000
L4	10	LDF7-50A(1-5/8)	155.00 - 160.00	1.0000	1.0000
L5	10	LDF7-50A(1-5/8)	145.50 - 155.00	1.0000	1.0000
L5	13	CU12PSM6P4XXX(1-3/4)	145.50 - 154.00	1.0000	1.0000
L6	10	LDF7-50A(1-5/8)	145.00 - 145.50	1.0000	1.0000
L6	13	CU12PSM6P4XXX(1-3/4)	145.00 - 145.50	1.0000	1.0000
L7	10	LDF7-50A(1-5/8)	140.00 - 145.00	1.0000	1.0000
L7	13	CU12PSM6P4XXX(1-3/4)	140.00 - 145.00	1.0000	1.0000
L8	10	LDF7-50A(1-5/8)	135.00 - 140.00	1.0000	1.0000
L8	13	CU12PSM6P4XXX(1-3/4)	135.00 - 140.00	1.0000	1.0000
L9	10	LDF7-50A(1-5/8)	130.00 - 135.00	1.0000	1.0000
L9	13	CU12PSM6P4XXX(1-3/4)	130.00 - 135.00	1.0000	1.0000
L10	10	LDF7-50A(1-5/8)	125.00 - 130.00	1.0000	1.0000
L10	13	CU12PSM6P4XXX(1-3/4)	125.00 - 130.00	1.0000	1.0000
L11	10	LDF7-50A(1-5/8)	120.00 - 125.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L11	13	CU12PSM6P4XXX(1-3/4)	120.00 - 125.00	1.0000	1.0000
L12	10	LDF7-50A(1-5/8)	115.00 - 120.00	1.0000	1.0000
L12	13	CU12PSM6P4XXX(1-3/4)	115.00 - 120.00	1.0000	1.0000
L13	10	LDF7-50A(1-5/8)	110.00 - 115.00	1.0000	1.0000
L13	13	CU12PSM6P4XXX(1-3/4)	110.00 - 115.00	1.0000	1.0000
L14	10	LDF7-50A(1-5/8)	105.00 - 110.00	1.0000	1.0000
L14	13	CU12PSM6P4XXX(1-3/4)	105.00 - 110.00	1.0000	1.0000
L15	10	LDF7-50A(1-5/8)	95.50 - 105.00	1.0000	1.0000
L15	13	CU12PSM6P4XXX(1-3/4)	95.50 - 105.00	1.0000	1.0000
L16	10	LDF7-50A(1-5/8)	94.50 - 95.50	1.0000	1.0000
L16	13	CU12PSM6P4XXX(1-3/4)	94.50 - 95.50	1.0000	1.0000
L17	10	LDF7-50A(1-5/8)	89.50 - 94.50	1.0000	1.0000
L17	13	CU12PSM6P4XXX(1-3/4)	89.50 - 94.50	1.0000	1.0000
L18	10	LDF7-50A(1-5/8)	84.50 - 89.50	1.0000	1.0000
L18	13	CU12PSM6P4XXX(1-3/4)	84.50 - 89.50	1.0000	1.0000
L18	34	CCI-060100 Reinforcement	84.50 - 85.67	1.0000	1.0000
L18	35	CCI-060100 Reinforcement	84.50 - 85.67	1.0000	1.0000
L18	36	CCI-060100 Reinforcement	84.50 - 85.67	1.0000	1.0000
L19	10	LDF7-50A(1-5/8)	83.17 - 84.50	1.0000	1.0000
L19	13	CU12PSM6P4XXX(1-3/4)	83.17 - 84.50	1.0000	1.0000
L19	34	CCI-060100 Reinforcement	83.17 - 84.50	1.0000	1.0000
L19	35	CCI-060100 Reinforcement	83.17 - 84.50	1.0000	1.0000
L19	36	CCI-060100 Reinforcement	83.17 - 84.50	1.0000	1.0000
L20	10	LDF7-50A(1-5/8)	82.92 - 83.17	1.0000	1.0000
L20	13	CU12PSM6P4XXX(1-3/4)	82.92 - 83.17	1.0000	1.0000
L20	34	CCI-060100 Reinforcement	82.92 - 83.17	1.0000	1.0000
L20	35	CCI-060100 Reinforcement	82.92 - 83.17	1.0000	1.0000
L20	36	CCI-060100 Reinforcement	82.92 - 83.17	1.0000	1.0000
L21	10	LDF7-50A(1-5/8)	77.92 - 82.92	1.0000	1.0000
L21	13	CU12PSM6P4XXX(1-3/4)	77.92 - 82.92	1.0000	1.0000
L21	34	CCI-060100 Reinforcement	77.92 - 82.92	1.0000	1.0000
L21	35	CCI-060100 Reinforcement	77.92 - 82.92	1.0000	1.0000
L21	36	CCI-060100 Reinforcement	77.92 - 82.92	1.0000	1.0000
L22	10	LDF7-50A(1-5/8)	72.92 - 77.92	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	13	CU12PSM6P4XXX(1-3/4)	72.92 - 77.92	1.0000	1.0000
L22	34	CCI-060100 Reinforcement	72.92 - 77.92	1.0000	1.0000
L22	35	CCI-060100 Reinforcement	72.92 - 77.92	1.0000	1.0000
L22	36	CCI-060100 Reinforcement	72.92 - 77.92	1.0000	1.0000
L23	10	LDF7-50A(1-5/8)	67.92 - 72.92	1.0000	1.0000
L23	13	CU12PSM6P4XXX(1-3/4)	67.92 - 72.92	1.0000	1.0000
L23	34	CCI-060100 Reinforcement	67.92 - 72.92	1.0000	1.0000
L23	35	CCI-060100 Reinforcement	67.92 - 72.92	1.0000	1.0000
L23	36	CCI-060100 Reinforcement	67.92 - 72.92	1.0000	1.0000
L24	10	LDF7-50A(1-5/8)	65.50 - 67.92	1.0000	1.0000
L24	13	CU12PSM6P4XXX(1-3/4)	65.50 - 67.92	1.0000	1.0000
L24	34	CCI-060100 Reinforcement	65.50 - 67.92	1.0000	1.0000
L24	35	CCI-060100 Reinforcement	65.50 - 67.92	1.0000	1.0000
L24	36	CCI-060100 Reinforcement	65.50 - 67.92	1.0000	1.0000
L25	10	LDF7-50A(1-5/8)	65.25 - 65.50	1.0000	1.0000
L25	13	CU12PSM6P4XXX(1-3/4)	65.25 - 65.50	1.0000	1.0000
L25	26	MP3-04 Reinforcement	65.25 - 65.50	1.0000	1.0000
L25	27	MP3-04 Reinforcement	65.25 - 65.50	1.0000	1.0000
L25	28	MP3-04 Reinforcement	65.25 - 65.50	1.0000	1.0000
L25	34	CCI-060100 Reinforcement	65.25 - 65.50	1.0000	1.0000
L25	35	CCI-060100 Reinforcement	65.25 - 65.50	1.0000	1.0000
L25	36	CCI-060100 Reinforcement	65.25 - 65.50	1.0000	1.0000
L26	10	LDF7-50A(1-5/8)	64.00 - 65.25	1.0000	1.0000
L26	13	CU12PSM6P4XXX(1-3/4)	64.00 - 65.25	1.0000	1.0000
L26	26	MP3-04 Reinforcement	64.00 - 65.25	1.0000	1.0000
L26	27	MP3-04 Reinforcement	64.00 - 65.25	1.0000	1.0000
L26	28	MP3-04 Reinforcement	64.00 - 65.25	1.0000	1.0000
L26	34	CCI-060100 Reinforcement	64.00 - 65.25	1.0000	1.0000
L26	35	CCI-060100 Reinforcement	64.00 - 65.25	1.0000	1.0000
L26	36	CCI-060100 Reinforcement	64.00 - 65.25	1.0000	1.0000
L27	10	LDF7-50A(1-5/8)	63.75 - 64.00	1.0000	1.0000
L27	13	CU12PSM6P4XXX(1-3/4)	63.75 - 64.00	1.0000	1.0000
L27	26	MP3-04 Reinforcement	63.75 - 64.00	1.0000	1.0000
L27	27	MP3-04 Reinforcement	63.75 - 64.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	28	MP3-04 Reinforcement	63.75 - 64.00	1.0000	1.0000
L27	34	CCI-060100 Reinforcement	63.75 - 64.00	1.0000	1.0000
L27	35	CCI-060100 Reinforcement	63.75 - 64.00	1.0000	1.0000
L27	36	CCI-060100 Reinforcement	63.75 - 64.00	1.0000	1.0000
L28	10	LDF7-50A(1-5/8)	58.75 - 63.75	1.0000	1.0000
L28	13	CU12PSM6P4XXX(1-3/4)	58.75 - 63.75	1.0000	1.0000
L28	26	MP3-04 Reinforcement	58.75 - 63.75	1.0000	1.0000
L28	27	MP3-04 Reinforcement	58.75 - 63.75	1.0000	1.0000
L28	28	MP3-04 Reinforcement	58.75 - 63.75	1.0000	1.0000
L28	34	CCI-060100 Reinforcement	58.75 - 63.75	1.0000	1.0000
L28	35	CCI-060100 Reinforcement	58.75 - 63.75	1.0000	1.0000
L28	36	CCI-060100 Reinforcement	58.75 - 63.75	1.0000	1.0000
L29	10	LDF7-50A(1-5/8)	53.75 - 58.75	1.0000	1.0000
L29	13	CU12PSM6P4XXX(1-3/4)	53.75 - 58.75	1.0000	1.0000
L29	26	MP3-04 Reinforcement	53.75 - 58.75	1.0000	1.0000
L29	27	MP3-04 Reinforcement	53.75 - 58.75	1.0000	1.0000
L29	28	MP3-04 Reinforcement	53.75 - 58.75	1.0000	1.0000
L29	34	CCI-060100 Reinforcement	53.75 - 58.75	1.0000	1.0000
L29	35	CCI-060100 Reinforcement	53.75 - 58.75	1.0000	1.0000
L29	36	CCI-060100 Reinforcement	53.75 - 58.75	1.0000	1.0000
L30	10	LDF7-50A(1-5/8)	46.58 - 53.75	1.0000	1.0000
L30	13	CU12PSM6P4XXX(1-3/4)	46.58 - 53.75	1.0000	1.0000
L30	26	MP3-04 Reinforcement	46.58 - 53.75	1.0000	1.0000
L30	27	MP3-04 Reinforcement	46.58 - 53.75	1.0000	1.0000
L30	28	MP3-04 Reinforcement	46.58 - 53.75	1.0000	1.0000
L30	34	CCI-060100 Reinforcement	46.58 - 53.75	1.0000	1.0000
L30	35	CCI-060100 Reinforcement	46.58 - 53.75	1.0000	1.0000
L30	36	CCI-060100 Reinforcement	46.58 - 53.75	1.0000	1.0000
L31	10	LDF7-50A(1-5/8)	45.58 - 46.58	1.0000	1.0000
L31	13	CU12PSM6P4XXX(1-3/4)	45.58 - 46.58	1.0000	1.0000
L31	26	MP3-04 Reinforcement	45.58 - 46.58	1.0000	1.0000
L31	27	MP3-04 Reinforcement	45.58 - 46.58	1.0000	1.0000
L31	28	MP3-04 Reinforcement	45.58 - 46.58	1.0000	1.0000
L31	34	CCI-060100 Reinforcement	45.58 - 46.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L31	35	CCI-060100 Reinforcement	45.58 - 46.58	1.0000	1.0000
L31	36	CCI-060100 Reinforcement	45.58 - 46.58	1.0000	1.0000
L32	10	LDF7-50A(1-5/8)	43.00 - 45.58	1.0000	1.0000
L32	13	CU12PSM6P4XXX(1-3/4)	43.00 - 45.58	1.0000	1.0000
L32	23	MP3-05 Reinforcement	43.00 - 45.50	1.0000	1.0000
L32	24	MP3-05 Reinforcement	43.00 - 45.50	1.0000	1.0000
L32	25	MP3-05 Reinforcement	43.00 - 44.83	1.0000	1.0000
L32	26	MP3-04 Reinforcement	43.00 - 45.58	1.0000	1.0000
L32	27	MP3-04 Reinforcement	43.00 - 45.58	1.0000	1.0000
L32	28	MP3-04 Reinforcement	43.00 - 45.58	1.0000	1.0000
L32	34	CCI-060100 Reinforcement	43.00 - 45.58	1.0000	1.0000
L32	35	CCI-060100 Reinforcement	43.00 - 45.58	1.0000	1.0000
L32	36	CCI-060100 Reinforcement	43.00 - 45.58	1.0000	1.0000
L33	10	LDF7-50A(1-5/8)	42.75 - 43.00	1.0000	1.0000
L33	13	CU12PSM6P4XXX(1-3/4)	42.75 - 43.00	1.0000	1.0000
L33	23	MP3-05 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	24	MP3-05 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	25	MP3-05 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	26	MP3-04 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	27	MP3-04 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	28	MP3-04 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	34	CCI-060100 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	35	CCI-060100 Reinforcement	42.75 - 43.00	1.0000	1.0000
L33	36	CCI-060100 Reinforcement	42.75 - 43.00	1.0000	1.0000
L34	10	LDF7-50A(1-5/8)	42.50 - 42.75	1.0000	1.0000
L34	13	CU12PSM6P4XXX(1-3/4)	42.50 - 42.75	1.0000	1.0000
L34	23	MP3-05 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	24	MP3-05 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	25	MP3-05 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	26	MP3-04 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	27	MP3-04 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	28	MP3-04 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	34	CCI-060100 Reinforcement	42.50 - 42.75	1.0000	1.0000
L34	35	CCI-060100 Reinforcement	42.50 - 42.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L34	36	CCI-060100 Reinforcement	42.50 - 42.75	1.0000	1.0000
L35	10	LDF7-50A(1-5/8)	42.25 - 42.50	1.0000	1.0000
L35	13	CU12PSM6P4XXX(1-3/4)	42.25 - 42.50	1.0000	1.0000
L35	23	MP3-05 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	24	MP3-05 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	25	MP3-05 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	26	MP3-04 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	27	MP3-04 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	28	MP3-04 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	34	CCI-060100 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	35	CCI-060100 Reinforcement	42.25 - 42.50	1.0000	1.0000
L35	36	CCI-060100 Reinforcement	42.25 - 42.50	1.0000	1.0000
L36	10	LDF7-50A(1-5/8)	42.00 - 42.25	1.0000	1.0000
L36	13	CU12PSM6P4XXX(1-3/4)	42.00 - 42.25	1.0000	1.0000
L36	23	MP3-05 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	24	MP3-05 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	25	MP3-05 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	26	MP3-04 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	27	MP3-04 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	28	MP3-04 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	34	CCI-060100 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	35	CCI-060100 Reinforcement	42.00 - 42.25	1.0000	1.0000
L36	36	CCI-060100 Reinforcement	42.00 - 42.25	1.0000	1.0000
L37	10	LDF7-50A(1-5/8)	41.75 - 42.00	1.0000	1.0000
L37	13	CU12PSM6P4XXX(1-3/4)	41.75 - 42.00	1.0000	1.0000
L37	23	MP3-05 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	24	MP3-05 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	25	MP3-05 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	26	MP3-04 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	27	MP3-04 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	28	MP3-04 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	34	CCI-060100 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	35	CCI-060100 Reinforcement	41.75 - 42.00	1.0000	1.0000
L37	36	CCI-060100 Reinforcement	41.75 - 42.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L38	10	LDF7-50A(1-5/8)	36.75 - 41.75	1.0000	1.0000
L38	13	CU12PSM6P4XXX(1-3/4)	36.75 - 41.75	1.0000	1.0000
L38	23	MP3-05 Reinforcement	36.75 - 41.75	1.0000	1.0000
L38	24	MP3-05 Reinforcement	36.75 - 41.75	1.0000	1.0000
L38	25	MP3-05 Reinforcement	36.75 - 41.75	1.0000	1.0000
L38	26	MP3-04 Reinforcement	40.50 - 41.75	1.0000	1.0000
L38	27	MP3-04 Reinforcement	40.50 - 41.75	1.0000	1.0000
L38	28	MP3-04 Reinforcement	40.50 - 41.75	1.0000	1.0000
L38	34	CCI-060100 Reinforcement	36.75 - 41.75	1.0000	1.0000
L38	35	CCI-060100 Reinforcement	36.75 - 41.75	1.0000	1.0000
L38	36	CCI-060100 Reinforcement	36.75 - 41.75	1.0000	1.0000
L39	10	LDF7-50A(1-5/8)	32.00 - 36.75	1.0000	1.0000
L39	13	CU12PSM6P4XXX(1-3/4)	32.00 - 36.75	1.0000	1.0000
L39	23	MP3-05 Reinforcement	32.00 - 36.75	1.0000	1.0000
L39	24	MP3-05 Reinforcement	32.00 - 36.75	1.0000	1.0000
L39	25	MP3-05 Reinforcement	32.00 - 36.75	1.0000	1.0000
L39	31	CCI-065125 Reinforcement	32.00 - 35.50	1.0000	1.0000
L39	32	CCI-065125 Reinforcement	32.00 - 35.50	1.0000	1.0000
L39	33	CCI-065125 Reinforcement	32.00 - 35.50	1.0000	1.0000
L39	34	CCI-060100 Reinforcement	35.50 - 36.75	1.0000	1.0000
L39	35	CCI-060100 Reinforcement	35.50 - 36.75	1.0000	1.0000
L39	36	CCI-060100 Reinforcement	35.50 - 36.75	1.0000	1.0000
L40	10	LDF7-50A(1-5/8)	31.75 - 32.00	1.0000	1.0000
L40	13	CU12PSM6P4XXX(1-3/4)	31.75 - 32.00	1.0000	1.0000
L40	23	MP3-05 Reinforcement	31.75 - 32.00	1.0000	1.0000
L40	24	MP3-05 Reinforcement	31.75 - 32.00	1.0000	1.0000
L40	25	MP3-05 Reinforcement	31.75 - 32.00	1.0000	1.0000
L40	31	CCI-065125 Reinforcement	31.75 - 32.00	1.0000	1.0000
L40	32	CCI-065125 Reinforcement	31.75 - 32.00	1.0000	1.0000
L40	33	CCI-065125 Reinforcement	31.75 - 32.00	1.0000	1.0000
L41	10	LDF7-50A(1-5/8)	26.75 - 31.75	1.0000	1.0000
L41	13	CU12PSM6P4XXX(1-3/4)	26.75 - 31.75	1.0000	1.0000
L41	23	MP3-05 Reinforcement	26.75 - 31.75	1.0000	1.0000
L41	24	MP3-05 Reinforcement	26.75 - 31.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L41	25	MP3-05 Reinforcement	26.75 - 31.75	1.0000	1.0000
L41	31	CCI-065125 Reinforcement	26.75 - 31.75	1.0000	1.0000
L41	32	CCI-065125 Reinforcement	26.75 - 31.75	1.0000	1.0000
L41	33	CCI-065125 Reinforcement	26.75 - 31.75	1.0000	1.0000
L42	10	LDF7-50A(1-5/8)	21.75 - 26.75	1.0000	1.0000
L42	13	CU12PSM6P4XXX(1-3/4)	21.75 - 26.75	1.0000	1.0000
L42	23	MP3-05 Reinforcement	21.75 - 26.75	1.0000	1.0000
L42	24	MP3-05 Reinforcement	21.75 - 26.75	1.0000	1.0000
L42	25	MP3-05 Reinforcement	21.75 - 26.75	1.0000	1.0000
L42	31	CCI-065125 Reinforcement	21.75 - 26.75	1.0000	1.0000
L42	32	CCI-065125 Reinforcement	21.75 - 26.75	1.0000	1.0000
L42	33	CCI-065125 Reinforcement	21.75 - 26.75	1.0000	1.0000
L43	10	LDF7-50A(1-5/8)	18.00 - 21.75	1.0000	1.0000
L43	13	CU12PSM6P4XXX(1-3/4)	18.00 - 21.75	1.0000	1.0000
L43	20	MP3-05 Reinforcement	18.00 - 20.50	1.0000	1.0000
L43	21	MP3-05 Reinforcement	18.00 - 20.50	1.0000	1.0000
L43	22	MP3-05 Reinforcement	18.00 - 20.50	1.0000	1.0000
L43	23	MP3-05 Reinforcement	18.00 - 21.75	1.0000	1.0000
L43	24	MP3-05 Reinforcement	18.00 - 21.75	1.0000	1.0000
L43	25	MP3-05 Reinforcement	18.00 - 21.75	1.0000	1.0000
L43	31	CCI-065125 Reinforcement	18.00 - 21.75	1.0000	1.0000
L43	32	CCI-065125 Reinforcement	18.00 - 21.75	1.0000	1.0000
L43	33	CCI-065125 Reinforcement	18.00 - 21.75	1.0000	1.0000
L44	10	LDF7-50A(1-5/8)	17.75 - 18.00	1.0000	1.0000
L44	13	CU12PSM6P4XXX(1-3/4)	17.75 - 18.00	1.0000	1.0000
L44	20	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	21	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	22	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	23	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	24	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	25	MP3-05 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	31	CCI-065125 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	32	CCI-065125 Reinforcement	17.75 - 18.00	1.0000	1.0000
L44	33	CCI-065125 Reinforcement	17.75 - 18.00	1.0000	1.0000
L45	10	LDF7-50A(1-5/8)	9.92 - 17.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L45	13	CU12PSM6P4XXX(1-3/4)	9.92 - 17.75	1.0000	1.0000
L45	20	MP3-05 Reinforcement	9.92 - 17.75	1.0000	1.0000
L45	21	MP3-05 Reinforcement	9.92 - 17.75	1.0000	1.0000
L45	22	MP3-05 Reinforcement	9.92 - 17.75	1.0000	1.0000
L45	23	MP3-05 Reinforcement	15.50 - 17.75	1.0000	1.0000
L45	24	MP3-05 Reinforcement	15.50 - 17.75	1.0000	1.0000
L45	25	MP3-05 Reinforcement	15.50 - 17.75	1.0000	1.0000
L45	30	CCI-065125 Reinforcement	9.92 - 15.50	1.0000	1.0000
L45	31	CCI-065125 Reinforcement	10.50 - 17.75	1.0000	1.0000
L45	32	CCI-065125 Reinforcement	9.92 - 17.75	1.0000	1.0000
L45	33	CCI-065125 Reinforcement	9.92 - 17.75	1.0000	1.0000
L46	10	LDF7-50A(1-5/8)	8.92 - 9.92	1.0000	1.0000
L46	13	CU12PSM6P4XXX(1-3/4)	8.92 - 9.92	1.0000	1.0000
L46	20	MP3-05 Reinforcement	8.92 - 9.92	1.0000	1.0000
L46	21	MP3-05 Reinforcement	8.92 - 9.92	1.0000	1.0000
L46	22	MP3-05 Reinforcement	8.92 - 9.92	1.0000	1.0000
L46	30	CCI-065125 Reinforcement	8.92 - 9.92	1.0000	1.0000
L46	32	CCI-065125 Reinforcement	8.92 - 9.92	1.0000	1.0000
L46	33	CCI-065125 Reinforcement	8.92 - 9.92	1.0000	1.0000
L47	10	LDF7-50A(1-5/8)	3.92 - 8.92	1.0000	1.0000
L47	13	CU12PSM6P4XXX(1-3/4)	3.92 - 8.92	1.0000	1.0000
L47	20	MP3-05 Reinforcement	3.92 - 8.92	1.0000	1.0000
L47	21	MP3-05 Reinforcement	3.92 - 8.92	1.0000	1.0000
L47	22	MP3-05 Reinforcement	3.92 - 8.92	1.0000	1.0000
L47	30	CCI-065125 Reinforcement	3.92 - 8.92	1.0000	1.0000
L47	32	CCI-065125 Reinforcement	3.92 - 8.92	1.0000	1.0000
L47	33	CCI-065125 Reinforcement	3.92 - 8.92	1.0000	1.0000
L48	10	LDF7-50A(1-5/8)	2.75 - 3.92	1.0000	1.0000
L48	13	CU12PSM6P4XXX(1-3/4)	2.75 - 3.92	1.0000	1.0000
L48	20	MP3-05 Reinforcement	2.75 - 3.92	1.0000	1.0000
L48	21	MP3-05 Reinforcement	2.75 - 3.92	1.0000	1.0000
L48	22	MP3-05 Reinforcement	2.75 - 3.92	1.0000	1.0000
L48	30	CCI-065125 Reinforcement	2.75 - 3.92	1.0000	1.0000
L48	32	CCI-065125 Reinforcement	2.75 - 3.92	1.0000	1.0000
L48	33	CCI-065125 Reinforcement	2.75 - 3.92	1.0000	1.0000
L49	10	LDF7-50A(1-5/8)	2.50 - 2.75	1.0000	1.0000
L49	13	CU12PSM6P4XXX(1-3/4)	2.50 - 2.75	1.0000	1.0000
L49	20	MP3-05 Reinforcement	2.50 - 2.75	1.0000	1.0000
L49	21	MP3-05 Reinforcement	2.50 - 2.75	1.0000	1.0000
L49	22	MP3-05 Reinforcement	2.50 - 2.75	1.0000	1.0000
L49	30	CCI-065125 Reinforcement	2.50 - 2.75	1.0000	1.0000
L49	32	CCI-065125 Reinforcement	2.50 - 2.75	1.0000	1.0000
L49	33	CCI-065125 Reinforcement	2.50 - 2.75	1.0000	1.0000
L50	10	LDF7-50A(1-5/8)	0.00 - 2.50	1.0000	1.0000
L50	13	CU12PSM6P4XXX(1-3/4)	0.00 - 2.50	1.0000	1.0000
L50	20	MP3-05 Reinforcement	0.00 - 2.50	1.0000	1.0000
L50	21	MP3-05 Reinforcement	0.00 - 2.50	1.0000	1.0000
L50	22	MP3-05 Reinforcement	0.00 - 2.50	1.0000	1.0000
L50	30	CCI-065125 Reinforcement	0.00 - 2.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L50	32	CCI-065125 Reinforcement	0.00 - 2.50	1.0000	1.0000
L50	33	CCI-065125 Reinforcement	0.00 - 2.50	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
L18	34	CCI-060100 Reinforcement	84.50 - 85.67	Auto	0.0000
L18	35	CCI-060100 Reinforcement	84.50 - 85.67	Auto	0.0000
L18	36	CCI-060100 Reinforcement	84.50 - 85.67	Auto	0.0000
L19	34	CCI-060100 Reinforcement	83.17 - 84.50	Auto	0.0000
L19	35	CCI-060100 Reinforcement	83.17 - 84.50	Auto	0.0000
L19	36	CCI-060100 Reinforcement	83.17 - 84.50	Auto	0.0000
L20	34	CCI-060100 Reinforcement	82.92 - 83.17	Auto	0.0000
L20	35	CCI-060100 Reinforcement	82.92 - 83.17	Auto	0.0000
L20	36	CCI-060100 Reinforcement	82.92 - 83.17	Auto	0.0000
L21	34	CCI-060100 Reinforcement	77.92 - 82.92	Auto	0.0000
L21	35	CCI-060100 Reinforcement	77.92 - 82.92	Auto	0.0000
L21	36	CCI-060100 Reinforcement	77.92 - 82.92	Auto	0.0000
L22	34	CCI-060100 Reinforcement	72.92 - 77.92	Auto	0.0000
L22	35	CCI-060100 Reinforcement	72.92 - 77.92	Auto	0.0000
L22	36	CCI-060100 Reinforcement	72.92 - 77.92	Auto	0.0000
L23	34	CCI-060100 Reinforcement	67.92 - 72.92	Auto	0.0000
L23	35	CCI-060100 Reinforcement	67.92 - 72.92	Auto	0.0000
L23	36	CCI-060100 Reinforcement	67.92 - 72.92	Auto	0.0000
L24	34	CCI-060100 Reinforcement	65.50 - 67.92	Auto	0.0000
L24	35	CCI-060100 Reinforcement	65.50 - 67.92	Auto	0.0000
L24	36	CCI-060100 Reinforcement	65.50 - 67.92	Auto	0.0000
L25	26	MP3-04 Reinforcement	65.25 - 65.50	Auto	0.0000
L25	27	MP3-04 Reinforcement	65.25 - 65.50	Auto	0.0000
L25	28	MP3-04 Reinforcement	65.25 - 65.50	Auto	0.0000
L25	34	CCI-060100 Reinforcement	65.25 - 65.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L25	35	CCI-060100 Reinforcement	65.25 - 65.50	Auto	0.0000
L25	36	CCI-060100 Reinforcement	65.25 - 65.50	Auto	0.0000
L26	26	MP3-04 Reinforcement	64.00 - 65.25	Auto	0.0000
L26	27	MP3-04 Reinforcement	64.00 - 65.25	Auto	0.0000
L26	28	MP3-04 Reinforcement	64.00 - 65.25	Auto	0.0000
L26	34	CCI-060100 Reinforcement	64.00 - 65.25	Auto	0.0000
L26	35	CCI-060100 Reinforcement	64.00 - 65.25	Auto	0.0000
L26	36	CCI-060100 Reinforcement	64.00 - 65.25	Auto	0.0000
L27	26	MP3-04 Reinforcement	63.75 - 64.00	Auto	0.0000
L27	27	MP3-04 Reinforcement	63.75 - 64.00	Auto	0.0000
L27	28	MP3-04 Reinforcement	63.75 - 64.00	Auto	0.0000
L27	34	CCI-060100 Reinforcement	63.75 - 64.00	Auto	0.0000
L27	35	CCI-060100 Reinforcement	63.75 - 64.00	Auto	0.0000
L27	36	CCI-060100 Reinforcement	63.75 - 64.00	Auto	0.0000
L28	26	MP3-04 Reinforcement	58.75 - 63.75	Auto	0.0000
L28	27	MP3-04 Reinforcement	58.75 - 63.75	Auto	0.0000
L28	28	MP3-04 Reinforcement	58.75 - 63.75	Auto	0.0000
L28	34	CCI-060100 Reinforcement	58.75 - 63.75	Auto	0.0000
L28	35	CCI-060100 Reinforcement	58.75 - 63.75	Auto	0.0000
L28	36	CCI-060100 Reinforcement	58.75 - 63.75	Auto	0.0000
L29	26	MP3-04 Reinforcement	53.75 - 58.75	Auto	0.0000
L29	27	MP3-04 Reinforcement	53.75 - 58.75	Auto	0.0000
L29	28	MP3-04 Reinforcement	53.75 - 58.75	Auto	0.0000
L29	34	CCI-060100 Reinforcement	53.75 - 58.75	Auto	0.0000
L29	35	CCI-060100 Reinforcement	53.75 - 58.75	Auto	0.0000
L29	36	CCI-060100 Reinforcement	53.75 - 58.75	Auto	0.0000
L30	26	MP3-04 Reinforcement	46.58 - 53.75	Auto	0.0000
L30	27	MP3-04 Reinforcement	46.58 - 53.75	Auto	0.0000
L30	28	MP3-04 Reinforcement	46.58 - 53.75	Auto	0.0000
L30	34	CCI-060100 Reinforcement	46.58 - 53.75	Auto	0.0000
L30	35	CCI-060100 Reinforcement	46.58 - 53.75	Auto	0.0000
L30	36	CCI-060100 Reinforcement	46.58 - 53.75	Auto	0.0000
L31	26	MP3-04 Reinforcement	45.58 - 46.58	Auto	0.0000
L31	27	MP3-04 Reinforcement	45.58 - 46.58	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	28	MP3-04 Reinforcement	45.58 - 46.58	Auto	0.0000
L31	34	CCI-060100 Reinforcement	45.58 - 46.58	Auto	0.0000
L31	35	CCI-060100 Reinforcement	45.58 - 46.58	Auto	0.0000
L31	36	CCI-060100 Reinforcement	45.58 - 46.58	Auto	0.0000
L32	23	MP3-05 Reinforcement	43.00 - 45.50	Auto	0.0000
L32	24	MP3-05 Reinforcement	43.00 - 45.50	Auto	0.0000
L32	25	MP3-05 Reinforcement	43.00 - 44.83	Auto	0.0000
L32	26	MP3-04 Reinforcement	43.00 - 45.58	Auto	0.0000
L32	27	MP3-04 Reinforcement	43.00 - 45.58	Auto	0.0000
L32	28	MP3-04 Reinforcement	43.00 - 45.58	Auto	0.0000
L32	34	CCI-060100 Reinforcement	43.00 - 45.58	Auto	0.0000
L32	35	CCI-060100 Reinforcement	43.00 - 45.58	Auto	0.0000
L32	36	CCI-060100 Reinforcement	43.00 - 45.58	Auto	0.0000
L33	23	MP3-05 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	24	MP3-05 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	25	MP3-05 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	26	MP3-04 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	27	MP3-04 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	28	MP3-04 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	34	CCI-060100 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	35	CCI-060100 Reinforcement	42.75 - 43.00	Auto	0.0000
L33	36	CCI-060100 Reinforcement	42.75 - 43.00	Auto	0.0000
L34	23	MP3-05 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	24	MP3-05 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	25	MP3-05 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	26	MP3-04 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	27	MP3-04 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	28	MP3-04 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	34	CCI-060100 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	35	CCI-060100 Reinforcement	42.50 - 42.75	Auto	0.0000
L34	36	CCI-060100 Reinforcement	42.50 - 42.75	Auto	0.0000
L35	23	MP3-05 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	24	MP3-05 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	25	MP3-05 Reinforcement	42.25 - 42.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L35	26	MP3-04 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	27	MP3-04 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	28	MP3-04 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	34	CCI-060100 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	35	CCI-060100 Reinforcement	42.25 - 42.50	Auto	0.0000
L35	36	CCI-060100 Reinforcement	42.25 - 42.50	Auto	0.0000
L36	23	MP3-05 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	24	MP3-05 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	25	MP3-05 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	26	MP3-04 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	27	MP3-04 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	28	MP3-04 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	34	CCI-060100 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	35	CCI-060100 Reinforcement	42.00 - 42.25	Auto	0.0000
L36	36	CCI-060100 Reinforcement	42.00 - 42.25	Auto	0.0000
L37	23	MP3-05 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	24	MP3-05 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	25	MP3-05 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	26	MP3-04 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	27	MP3-04 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	28	MP3-04 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	34	CCI-060100 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	35	CCI-060100 Reinforcement	41.75 - 42.00	Auto	0.0000
L37	36	CCI-060100 Reinforcement	41.75 - 42.00	Auto	0.0000
L38	23	MP3-05 Reinforcement	36.75 - 41.75	Auto	0.0000
L38	24	MP3-05 Reinforcement	36.75 - 41.75	Auto	0.0000
L38	25	MP3-05 Reinforcement	36.75 - 41.75	Auto	0.0000
L38	26	MP3-04 Reinforcement	40.50 - 41.75	Auto	0.0000
L38	27	MP3-04 Reinforcement	40.50 - 41.75	Auto	0.0000
L38	28	MP3-04 Reinforcement	40.50 - 41.75	Auto	0.0000
L38	34	CCI-060100 Reinforcement	36.75 - 41.75	Auto	0.0000
L38	35	CCI-060100 Reinforcement	36.75 - 41.75	Auto	0.0000
L38	36	CCI-060100 Reinforcement	36.75 - 41.75	Auto	0.0000
L39	23	MP3-05 Reinforcement	32.00 - 36.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	24	MP3-05 Reinforcement	32.00 - 36.75	Auto	0.0000
L39	25	MP3-05 Reinforcement	32.00 - 36.75	Auto	0.0000
L39	31	CCI-065125 Reinforcement	32.00 - 35.50	Auto	0.0000
L39	32	CCI-065125 Reinforcement	32.00 - 35.50	Auto	0.0000
L39	33	CCI-065125 Reinforcement	32.00 - 35.50	Auto	0.0000
L39	34	CCI-060100 Reinforcement	35.50 - 36.75	Auto	0.0000
L39	35	CCI-060100 Reinforcement	35.50 - 36.75	Auto	0.0000
L39	36	CCI-060100 Reinforcement	35.50 - 36.75	Auto	0.0000
L40	23	MP3-05 Reinforcement	31.75 - 32.00	Auto	0.0000
L40	24	MP3-05 Reinforcement	31.75 - 32.00	Auto	0.0000
L40	25	MP3-05 Reinforcement	31.75 - 32.00	Auto	0.0000
L40	31	CCI-065125 Reinforcement	31.75 - 32.00	Auto	0.0000
L40	32	CCI-065125 Reinforcement	31.75 - 32.00	Auto	0.0000
L40	33	CCI-065125 Reinforcement	31.75 - 32.00	Auto	0.0000
L41	23	MP3-05 Reinforcement	26.75 - 31.75	Auto	0.0000
L41	24	MP3-05 Reinforcement	26.75 - 31.75	Auto	0.0000
L41	25	MP3-05 Reinforcement	26.75 - 31.75	Auto	0.0000
L41	31	CCI-065125 Reinforcement	26.75 - 31.75	Auto	0.0000
L41	32	CCI-065125 Reinforcement	26.75 - 31.75	Auto	0.0000
L41	33	CCI-065125 Reinforcement	26.75 - 31.75	Auto	0.0000
L42	23	MP3-05 Reinforcement	21.75 - 26.75	Auto	0.0000
L42	24	MP3-05 Reinforcement	21.75 - 26.75	Auto	0.0000
L42	25	MP3-05 Reinforcement	21.75 - 26.75	Auto	0.0000
L42	31	CCI-065125 Reinforcement	21.75 - 26.75	Auto	0.0000
L42	32	CCI-065125 Reinforcement	21.75 - 26.75	Auto	0.0000
L42	33	CCI-065125 Reinforcement	21.75 - 26.75	Auto	0.0000
L43	20	MP3-05 Reinforcement	18.00 - 20.50	Auto	0.0000
L43	21	MP3-05 Reinforcement	18.00 - 20.50	Auto	0.0000
L43	22	MP3-05 Reinforcement	18.00 - 20.50	Auto	0.0000
L43	23	MP3-05 Reinforcement	18.00 - 21.75	Auto	0.0000
L43	24	MP3-05 Reinforcement	18.00 - 21.75	Auto	0.0000
L43	25	MP3-05 Reinforcement	18.00 - 21.75	Auto	0.0000
L43	31	CCI-065125 Reinforcement	18.00 - 21.75	Auto	0.0000
L43	32	CCI-065125 Reinforcement	18.00 - 21.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	33	CCI-065125 Reinforcement	18.00 - 21.75	Auto	0.0000
L44	20	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	21	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	22	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	23	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	24	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	25	MP3-05 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	31	CCI-065125 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	32	CCI-065125 Reinforcement	17.75 - 18.00	Auto	0.0000
L44	33	CCI-065125 Reinforcement	17.75 - 18.00	Auto	0.0000
L45	20	MP3-05 Reinforcement	9.92 - 17.75	Auto	0.0000
L45	21	MP3-05 Reinforcement	9.92 - 17.75	Auto	0.0000
L45	22	MP3-05 Reinforcement	9.92 - 17.75	Auto	0.0000
L45	23	MP3-05 Reinforcement	15.50 - 17.75	Auto	0.0000
L45	24	MP3-05 Reinforcement	15.50 - 17.75	Auto	0.0000
L45	25	MP3-05 Reinforcement	15.50 - 17.75	Auto	0.0000
L45	30	CCI-065125 Reinforcement	9.92 - 15.50	Auto	0.0000
L45	31	CCI-065125 Reinforcement	10.50 - 17.75	Auto	0.0000
L45	32	CCI-065125 Reinforcement	9.92 - 17.75	Auto	0.0000
L45	33	CCI-065125 Reinforcement	9.92 - 17.75	Auto	0.0000
L46	20	MP3-05 Reinforcement	8.92 - 9.92	Auto	0.0000
L46	21	MP3-05 Reinforcement	8.92 - 9.92	Auto	0.0000
L46	22	MP3-05 Reinforcement	8.92 - 9.92	Auto	0.0000
L46	30	CCI-065125 Reinforcement	8.92 - 9.92	Auto	0.0000
L46	32	CCI-065125 Reinforcement	8.92 - 9.92	Auto	0.0000
L46	33	CCI-065125 Reinforcement	8.92 - 9.92	Auto	0.0000
L47	20	MP3-05 Reinforcement	3.92 - 8.92	Auto	0.0000
L47	21	MP3-05 Reinforcement	3.92 - 8.92	Auto	0.0000
L47	22	MP3-05 Reinforcement	3.92 - 8.92	Auto	0.0000
L47	30	CCI-065125 Reinforcement	3.92 - 8.92	Auto	0.0000
L47	32	CCI-065125 Reinforcement	3.92 - 8.92	Auto	0.0000
L47	33	CCI-065125 Reinforcement	3.92 - 8.92	Auto	0.0000
L48	20	MP3-05 Reinforcement	2.75 - 3.92	Auto	0.0000
L48	21	MP3-05 Reinforcement	2.75 - 3.92	Auto	0.0000
L48	22	MP3-05 Reinforcement	2.75 - 3.92	Auto	0.0000
L48	30	CCI-065125 Reinforcement	2.75 - 3.92	Auto	0.0000
L48	32	CCI-065125 Reinforcement	2.75 - 3.92	Auto	0.0000
L48	33	CCI-065125 Reinforcement	2.75 - 3.92	Auto	0.0000
L49	20	MP3-05 Reinforcement	2.50 - 2.75	Auto	0.0000
L49	21	MP3-05 Reinforcement	2.50 - 2.75	Auto	0.0000
L49	22	MP3-05 Reinforcement	2.50 - 2.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	30	CCI-065125 Reinforcement	2.50 - 2.75	Auto	0.0000
L49	32	CCI-065125 Reinforcement	2.50 - 2.75	Auto	0.0000
L49	33	CCI-065125 Reinforcement	2.50 - 2.75	Auto	0.0000
L50	20	MP3-05 Reinforcement	0.00 - 2.50	Auto	0.0000
L50	21	MP3-05 Reinforcement	0.00 - 2.50	Auto	0.0000
L50	22	MP3-05 Reinforcement	0.00 - 2.50	Auto	0.0000
L50	30	CCI-065125 Reinforcement	0.00 - 2.50	Auto	0.0000
L50	32	CCI-065125 Reinforcement	0.00 - 2.50	Auto	0.0000
L50	33	CCI-065125 Reinforcement	0.00 - 2.50	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
** 174 **					
ADA-85408580CF w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	174.00
ADA-85408580CF w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	174.00
ADA-85408580CF w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	174.00
(2) MX06FRO860-03 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	174.00
(2) MX06FRO860-03 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	174.00
(2) MX06FRO860-03 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	174.00
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	174.00
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	174.00
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	174.00
(2) RF4439D-25A	A	From Leg	4.00 0.00 2.00	0.0000	174.00
RF4439D-25A	B	From Leg	4.00 0.00 2.00	0.0000	174.00
BSF0020F3V1	A	From Leg	4.00 0.00 2.00	0.0000	174.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
BSF0020F3V1	B	From Leg	4.00 0.00 2.00	0.0000	174.00
RF4440D-13A	A	From Leg	4.00 0.00 2.00	0.0000	174.00
RF4440D-13A	B	From Leg	4.00 0.00 2.00	0.0000	174.00
RF4440D-13A	C	From Leg	4.00 0.00 2.00	0.0000	174.00
DB-C1-12C-24AB-0Z	C	From Leg	4.00 0.00 2.00	0.0000	174.00
Platform Mount [LP 715-1_KCKR]	C	None		0.0000	174.00
Miscellaneous [NA 507-2]	C	None		0.0000	174.00
Mount Modifications	C	None		0.0000	174.00
7' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	174.00
7' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	174.00
7' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	174.00
** 162 **					
800 10121 w/ Mount Pipe	A	From Leg	4.00 0.00 6.00	0.0000	162.00
QS66512-2 w/ Mount Pipe	A	From Leg	4.00 0.00 6.00	0.0000	162.00
QS66512-2 w/ Mount Pipe	B	From Leg	4.00 0.00 6.00	0.0000	162.00
QS66512-2 w/ Mount Pipe	C	From Leg	4.00 0.00 6.00	0.0000	162.00
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00 0.00 6.00	0.0000	162.00
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.00 0.00 6.00	0.0000	162.00
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.00 0.00 6.00	0.0000	162.00
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 6.00	0.0000	162.00
(2) LGP2140X	A	From Leg	4.00 0.00 6.00	0.0000	162.00
(2) LGP2140X	B	From Leg	4.00 0.00 6.00	0.0000	162.00
RRUS-32 B30	A	From Leg	4.00 0.00 6.00	0.0000	162.00
RRUS-32 B30	B	From Leg	4.00 0.00 6.00	0.0000	162.00
RRUS-32 B30	C	From Leg	4.00	0.0000	162.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00 6.00		
DBC0061F1V51-2	A	From Leg	4.00 0.00	0.0000	162.00
			6.00		
DBC0061F1V51-2	B	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 32 B2	A	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 32 B2	B	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 32 B2	C	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 11	A	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 11	B	From Leg	4.00 0.00	0.0000	162.00
			6.00		
RRUS 11	C	From Leg	4.00 0.00	0.0000	162.00
			6.00		
DC6-48-60-18-8C	C	From Leg	4.00 0.00	0.0000	162.00
			6.00		
DC6-48-60-18-8F	C	From Leg	4.00 0.00	0.0000	162.00
			6.00		
Platform Mount [LP 303-1]	C	None		0.0000	162.00
6' x 2" Mount Pipe	A	From Leg	4.00 0.00	0.0000	162.00
			0.00		
6' x 2" Mount Pipe	B	From Leg	4.00 0.00	0.0000	162.00
			0.00		
(2) 6' x 2" Mount Pipe	C	From Leg	4.00 0.00	0.0000	162.00
			0.00		
** 154 **					
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00	0.0000	154.00
			0.00		
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00	0.0000	154.00
			0.00		
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00	0.0000	154.00
			0.00		
TA08025-B605	A	From Leg	4.00 0.00	0.0000	154.00
			0.00		
TA08025-B605	B	From Leg	4.00 0.00	0.0000	154.00
			0.00		
TA08025-B605	C	From Leg	4.00 0.00	0.0000	154.00
			0.00		
TA08025-B604	A	From Leg	4.00 0.00	0.0000	154.00
			0.00		
TA08025-B604	B	From Leg	4.00	0.0000	154.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00 0.00		
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	154.00
RDIDC-9181-PF-48	C	From Leg	4.00 0.00 0.00	0.0000	154.00
Commscope MC-PK8-DSH	C	None		0.0000	154.00
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	154.00
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	154.00
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	154.00
** 144 **					
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	144.00
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	144.00
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	144.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	144.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	144.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4449 B71/B85A	A	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4449 B71/B85A	B	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4449 B71/B85A	C	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 0.00	0.0000	144.00
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 0.00	0.0000	144.00
Sector Mount [SM 502-3]	C	None		0.0000	144.00
8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	144.00
8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	144.00
8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	144.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
**					

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
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	175 - 170	Pole	Max Tension	3	0.00	-0.00	0.00
			Max. Compression	26	-10.85	-0.21	0.77
			Max. Mx	8	-4.50	-35.40	0.54
			Max. My	2	-4.48	-0.30	35.90
			Max. Vy	8	7.24	-35.40	0.54
			Max. Vx	2	-7.27	-0.30	35.90
			Max. Torque	4			0.27
L2	170 - 165	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.37	-0.21	0.78
			Max. Mx	8	-4.82	-72.57	0.52
			Max. My	2	-4.80	-0.26	73.26
			Max. Vy	8	7.63	-72.57	0.52
			Max. Vx	2	-7.67	-0.26	73.26
			Max. Torque	4			0.27
L3	165 - 160	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.80	-0.59	1.15
			Max. Mx	8	-8.21	-130.73	0.48
			Max. My	2	-8.18	-0.24	131.81
			Max. Vy	8	11.21	-130.73	0.48
			Max. Vx	2	-11.28	-0.24	131.81
			Max. Torque	18			-0.34
L4	160 - 155	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.44	-0.51	1.21
			Max. Mx	8	-8.62	-187.75	0.30
			Max. My	2	-8.58	-0.02	189.33
			Max. Vy	8	11.61	-187.75	0.30
			Max. Vx	2	-11.74	-0.02	189.33
			Max. Torque	18			-0.34
L5	155 - 145.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-24.05	-0.12	1.13
			Max. Mx	8	-12.00	-257.94	0.12
			Max. My	2	-11.96	0.26	260.32
			Max. Vy	8	14.84	-257.94	0.12
			Max. Vx	2	-14.99	0.26	260.32
			Max. Torque	5			0.41
L6	145.5 - 145	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-25.41	-0.01	1.21
			Max. Mx	8	-12.96	-333.28	0.00
			Max. My	2	-12.91	0.45	336.63
			Max. Vy	8	15.32	-333.28	0.00
			Max. Vx	2	-15.53	0.45	336.63
			Max. Torque	5			0.41
L7	145 - 140	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.01	0.11	1.29
			Max. Mx	8	-17.20	-423.77	-0.12
			Max. My	2	-17.14	0.65	428.35
			Max. Vy	20	-18.97	423.06	1.94
			Max. Vx	2	-19.22	0.65	428.35
			Max. Torque	5			0.41
L8	140 - 135	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.96	0.23	1.38
			Max. Mx	8	-17.94	-519.57	-0.24
			Max. My	2	-17.88	0.84	525.57
			Max. Vy	20	-19.38	518.94	2.12
			Max. Vx	2	-19.67	0.84	525.57
			Max. Torque	5			0.41
L9	135 - 130	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.93	0.36	1.47
			Max. Mx	8	-18.71	-617.43	-0.35
			Max. My	2	-18.65	1.04	625.02
			Max. Vy	20	-19.80	616.89	2.31
			Max. Vx	2	-20.12	1.04	625.02
			Max. Torque	5			0.41
L10	130 - 125	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.93	0.49	1.56
			Max. Mx	8	-19.50	-717.34	-0.47

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-19.44	1.24	726.69
			Max. Vy	20	-20.21	716.89	2.50
			Max. Vx	2	-20.56	1.24	726.69
			Max. Torque	5			0.41
L11	125 - 120	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.94	0.62	1.64
			Max. Mx	8	-20.33	-819.28	-0.59
			Max. My	2	-20.26	1.44	830.51
			Max. Vy	20	-20.61	818.92	2.68
			Max. Vx	2	-20.99	1.44	830.51
			Max. Torque	5			0.41
L12	120 - 115	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.98	0.76	1.73
			Max. Mx	8	-21.18	-923.25	-0.71
			Max. My	2	-21.12	1.64	936.47
			Max. Vy	20	-21.02	922.98	2.87
			Max. Vx	2	-21.41	1.64	936.47
			Max. Torque	5			0.41
L13	115 - 110	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.05	0.90	1.82
			Max. Mx	8	-22.05	-1029.22	-0.82
			Max. My	2	-21.99	1.84	1044.52
			Max. Vy	20	-21.42	1029.04	3.05
			Max. Vx	2	-21.83	1.84	1044.52
			Max. Torque	5			0.41
L14	110 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.13	1.04	1.91
			Max. Mx	8	-22.95	-1137.17	-0.94
			Max. My	2	-22.90	2.04	1154.61
			Max. Vy	20	-21.81	1137.09	3.24
			Max. Vx	2	-22.23	2.04	1154.61
			Max. Torque	5			0.41
L15	105 - 95.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.02	1.15	1.98
			Max. Mx	20	-23.69	1224.95	3.39
			Max. My	2	-23.64	2.20	1244.14
			Max. Vy	20	-22.12	1224.95	3.39
			Max. Vx	2	-22.55	2.20	1244.14
			Max. Torque	5			0.41
L16	95.5 - 94.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.68	1.33	2.10
			Max. Mx	20	-25.81	1370.90	3.63
			Max. My	2	-25.76	2.46	1392.84
			Max. Vy	20	-22.77	1370.90	3.63
			Max. Vx	2	-23.21	2.46	1392.84
			Max. Torque	5			0.40
L17	94.5 - 89.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.97	1.47	2.17
			Max. Mx	20	-26.91	1485.72	3.81
			Max. My	2	-26.86	2.66	1509.81
			Max. Vy	20	-23.17	1485.72	3.81
			Max. Vx	2	-23.60	2.66	1509.81
			Max. Torque	5			0.40
L18	89.5 - 84.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.39	1.60	2.24
			Max. Mx	20	-28.11	1602.52	4.00
			Max. My	2	-28.07	2.87	1628.76
			Max. Vy	20	-23.56	1602.52	4.00
			Max. Vx	2	-24.00	2.87	1628.76
			Max. Torque	5			0.40
L19	84.5 - 83.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.86	1.63	2.26
			Max. Mx	20	-28.51	1633.93	4.04
			Max. My	2	-28.47	2.92	1660.73
			Max. Vy	20	-23.67	1633.93	4.04
			Max. Vx	2	-24.11	2.92	1660.73
			Max. Torque	5			0.40
L20	83.17 - 82.92	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-46.95	1.65	2.28
			Max. Mx	20	-28.60	1639.85	4.05
			Max. My	2	-28.56	2.93	1666.76
			Max. Vy	20	-23.71	1639.85	4.05
			Max. Vx	2	-24.14	2.93	1666.76
			Max. Torque	5			0.40
L21	82.92 - 77.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.76	1.78	2.34
			Max. Mx	20	-30.11	1759.26	4.24
			Max. My	2	-30.07	3.13	1788.32
			Max. Vy	20	-24.09	1759.26	4.24
			Max. Vx	2	-24.52	3.13	1788.32
			Max. Torque	5			0.40
L22	77.92 - 72.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.59	1.91	2.42
			Max. Mx	20	-31.66	1880.63	4.42
			Max. My	2	-31.63	3.34	1911.82
			Max. Vy	20	-24.47	1880.63	4.42
			Max. Vx	2	-24.90	3.34	1911.82
			Max. Torque	5			0.40
L23	72.92 - 67.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.44	2.05	2.50
			Max. Mx	20	-33.24	2003.90	4.60
			Max. My	2	-33.21	3.54	2037.22
			Max. Vy	20	-24.85	2003.90	4.60
			Max. Vx	2	-25.28	3.54	2037.22
			Max. Torque	5			0.40
L24	67.92 - 65.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.35	2.12	2.54
			Max. Mx	20	-34.01	2064.23	4.69
			Max. My	2	-33.98	3.64	2098.57
			Max. Vy	20	-25.03	2064.23	4.69
			Max. Vx	2	-25.46	3.64	2098.57
			Max. Torque	5			0.40
L25	65.5 - 65.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.46	2.13	2.55
			Max. Mx	20	-34.12	2070.49	4.70
			Max. My	2	-34.09	3.65	2104.94
			Max. Vy	20	-25.05	2070.49	4.70
			Max. Vx	2	-25.48	3.65	2104.94
			Max. Torque	5			0.40
L26	65.25 - 64	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.02	2.17	2.56
			Max. Mx	20	-34.57	2101.84	4.74
			Max. My	2	-34.54	3.70	2136.82
			Max. Vy	20	-25.14	2101.84	4.74
			Max. Vx	2	-25.57	3.70	2136.82
			Max. Torque	5			0.40
L27	64 - 63.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.16	2.18	2.58
			Max. Mx	20	-34.70	2108.12	4.75
			Max. My	2	-34.67	3.71	2143.21
			Max. Vy	20	-25.17	2108.12	4.75
			Max. Vx	2	-25.60	3.71	2143.21
			Max. Torque	5			0.40
L28	63.75 - 58.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.00	2.32	2.65
			Max. Mx	20	-37.13	2234.98	4.93
			Max. My	2	-37.10	3.91	2272.26
			Max. Vy	20	-25.59	2234.98	4.93
			Max. Vx	2	-26.05	3.91	2272.26
			Max. Torque	5			0.40
L29	58.75 - 53.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.87	2.47	2.73

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-39.59	2364.01	5.12
			Max. My	2	-39.57	4.12	2403.58
			Max. Vy	20	-26.02	2364.01	5.12
			Max. Vx	2	-26.49	4.12	2403.58
			Max. Torque	5			0.40
L30	53.75 - 46.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.30	2.49	2.74
			Max. Mx	20	-39.97	2383.55	5.14
			Max. My	2	-39.94	4.15	2423.46
			Max. Vy	20	-26.08	2383.55	5.14
			Max. Vx	2	-26.55	4.15	2423.46
			Max. Torque	5			0.40
L31	46.58 - 45.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.19	2.71	2.87
			Max. Mx	20	-45.88	2579.89	5.41
			Max. My	2	-45.86	4.45	2623.33
			Max. Vy	20	-26.82	2579.89	5.41
			Max. Vx	2	-27.31	4.45	2623.33
			Max. Torque	5			0.40
L32	45.58 - 43	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.93	2.75	2.90
			Max. Mx	20	-47.38	2649.30	5.50
			Max. My	2	-47.36	4.53	2694.04
			Max. Vy	20	-27.02	2649.30	5.50
			Max. Vx	2	-27.53	4.53	2694.04
			Max. Torque	5			0.40
L33	43 - 42.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.12	2.76	2.91
			Max. Mx	20	-47.54	2656.06	5.51
			Max. My	2	-47.52	4.54	2700.92
			Max. Vy	20	-27.05	2656.06	5.51
			Max. Vx	2	-27.56	4.54	2700.92
			Max. Torque	5			0.40
L34	42.75 - 42.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.30	2.77	2.92
			Max. Mx	20	-47.70	2662.82	5.52
			Max. My	2	-47.68	4.55	2707.81
			Max. Vy	20	-27.07	2662.82	5.52
			Max. Vx	2	-27.59	4.55	2707.81
			Max. Torque	5			0.40
L35	42.5 - 42.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.49	2.78	2.92
			Max. Mx	20	-47.87	2669.59	5.53
			Max. My	2	-47.85	4.56	2714.71
			Max. Vy	20	-27.09	2669.59	5.53
			Max. Vx	2	-27.61	4.56	2714.71
			Max. Torque	5			0.40
L36	42.25 - 42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.68	2.78	2.93
			Max. Mx	20	-48.03	2676.36	5.54
			Max. My	2	-48.01	4.57	2721.61
			Max. Vy	20	-27.11	2676.36	5.54
			Max. Vx	2	-27.63	4.57	2721.61
			Max. Torque	5			0.40
L37	42 - 41.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.86	2.79	2.93
			Max. Mx	20	-48.18	2683.14	5.54
			Max. My	2	-48.16	4.58	2728.51
			Max. Vy	20	-27.13	2683.14	5.54
			Max. Vx	2	-27.65	4.58	2728.51
			Max. Torque	5			0.40
L38	41.75 - 36.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.15	2.94	3.01
			Max. Mx	20	-51.04	2819.63	5.73
			Max. My	2	-51.02	4.79	2867.66
			Max. Vy	20	-27.49	2819.63	5.73

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	-28.04	4.79	2867.66
			Max. Torque	5			0.40
L39	36.75 - 32	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.30	3.08	3.09
			Max. Mx	20	-53.79	2950.95	5.90
			Max. My	2	-53.78	4.99	3001.60
			Max. Vy	20	-27.82	2950.95	5.90
			Max. Vx	2	-28.38	4.99	3001.60
			Max. Torque	5			0.40
L40	32 - 31.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.47	3.09	3.10
			Max. Mx	20	-53.96	2957.91	5.91
			Max. My	2	-53.94	5.00	3008.69
			Max. Vy	20	-27.84	2957.91	5.91
			Max. Vx	2	-28.41	5.00	3008.69
			Max. Torque	5			0.40
L41	31.75 - 26.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.95	3.24	3.18
			Max. Mx	20	-57.02	3097.87	6.09
			Max. My	2	-57.01	5.20	3151.49
			Max. Vy	20	-28.16	3097.87	6.09
			Max. Vx	2	-28.74	5.20	3151.49
			Max. Torque	5			0.40
L42	26.75 - 21.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.46	3.40	3.26
			Max. Mx	20	-60.12	3239.48	6.27
			Max. My	2	-60.11	5.41	3296.00
			Max. Vy	20	-28.49	3239.48	6.27
			Max. Vx	2	-29.08	5.41	3296.00
			Max. Torque	5			0.40
L43	21.75 - 18	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.31	3.51	3.33
			Max. Mx	20	-62.64	3346.75	6.40
			Max. My	2	-62.63	5.57	3405.52
			Max. Vy	20	-28.73	3346.75	6.40
			Max. Vx	2	-29.35	5.57	3405.52
			Max. Torque	5			0.40
L44	18 - 17.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.51	3.52	3.34
			Max. Mx	20	-62.82	3353.94	6.41
			Max. My	2	-62.81	5.58	3412.86
			Max. Vy	20	-28.75	3353.94	6.41
			Max. Vx	2	-29.37	5.58	3412.86
			Max. Torque	5			0.40
L45	17.75 - 9.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.07	3.52	3.38
			Max. Mx	20	-63.31	3375.49	6.46
			Max. My	2	-63.31	5.59	3434.92
			Max. Vy	20	-28.79	3375.49	6.46
			Max. Vx	2	-29.41	5.59	3434.92
			Max. Torque	5			0.40
L46	9.92 - 8.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.64	3.54	3.82
			Max. Mx	20	-71.82	3610.60	7.01
			Max. My	2	-71.82	5.73	3675.57
			Max. Vy	20	-29.43	3610.60	7.01
			Max. Vx	2	-30.08	5.73	3675.57
			Max. Torque	5			0.40
L47	8.92 - 3.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-100.26	3.78	4.06
			Max. Mx	20	-75.10	3758.50	7.33
			Max. My	2	-75.09	6.02	3826.72
			Max. Vy	20	-29.71	3758.50	7.33
			Max. Vx	2	-30.35	6.02	3826.72
			Max. Torque	5			0.40
L48	3.92 - 2.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-101.10	3.84	4.12

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-75.87	3793.30	7.40
			Max. My	2	-75.87	6.09	3862.29
			Max. Vy	20	-29.77	3793.30	7.40
			Max. Vx	2	-30.42	6.09	3862.29
			Max. Torque	5			0.40
L49	2.75 - 2.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-101.28	3.85	4.13
			Max. Mx	20	-76.04	3800.75	7.42
			Max. My	2	-76.04	6.10	3869.89
			Max. Vy	20	-29.77	3800.75	7.42
			Max. Vx	2	-30.41	6.10	3869.89
			Max. Torque	5			0.40
L50	2.5 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.04	3.97	4.25
			Max. Mx	20	-77.65	3875.41	7.58
			Max. My	2	-77.65	6.24	3946.17
			Max. Vy	20	-29.93	3875.41	7.58
			Max. Vx	2	-30.57	6.24	3946.17
			Max. Torque	5			0.40

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	103.04	-0.00	-0.00
	Max. H_x	20	77.66	29.90	0.03
	Max. H_z	2	77.66	0.03	30.54
	Max. M_x	2	3946.17	0.03	30.54
	Max. M_z	8	3873.13	-29.90	-0.03
	Max. Torsion	5	0.40	-15.25	26.48
	Min. Vert	3	58.25	0.03	30.54
	Min. H_x	8	77.66	-29.90	-0.03
	Min. H_z	14	77.66	-0.03	-30.54
	Min. M_x	14	-3941.27	-0.03	-30.54
	Min. M_z	20	-3875.41	29.90	0.03
	Min. Torsion	17	-0.37	15.25	-26.48

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	64.72	-0.00	0.00	-1.91	0.93	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	77.66	-0.03	-30.54	-3946.17	6.24	-0.35
0.9 Dead+1.0 Wind 0 deg - No Ice	58.25	-0.03	-30.54	-3886.54	5.86	-0.37
1.2 Dead+1.0 Wind 30 deg - No Ice	77.66	15.25	-26.48	-3418.61	-1964.18	-0.40
0.9 Dead+1.0 Wind 30 deg - No Ice	58.25	15.25	-26.48	-3366.96	-1935.15	-0.40
1.2 Dead+1.0 Wind 60 deg - No Ice	77.66	25.89	-14.95	-1939.41	-3351.87	-0.33
0.9 Dead+1.0 Wind 60 deg - No Ice	58.25	25.89	-14.95	-1909.76	-3301.96	-0.32
1.2 Dead+1.0 Wind 90 deg - No Ice	77.66	29.90	0.03	2.65	-3873.13	-0.17
0.9 Dead+1.0 Wind 90 deg - No Ice	58.25	29.90	0.03	3.21	-3815.36	-0.15

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 120 deg - No Ice	77.66	25.91	15.00	1943.33	-3356.95	0.02
0.9 Dead+1.0 Wind 120 deg - No Ice	58.25	25.91	15.00	1914.82	-3306.95	0.05
1.2 Dead+1.0 Wind 150 deg - No Ice	77.66	14.98	25.95	3362.62	-1940.61	0.19
0.9 Dead+1.0 Wind 150 deg - No Ice	58.25	14.98	25.95	3312.85	-1911.81	0.22
1.2 Dead+1.0 Wind 180 deg - No Ice	77.66	0.03	30.54	3941.27	-3.98	0.31
0.9 Dead+1.0 Wind 180 deg - No Ice	58.25	0.03	30.54	3882.93	-4.18	0.33
1.2 Dead+1.0 Wind 210 deg - No Ice	77.66	-15.25	26.48	3413.71	1966.46	0.37
0.9 Dead+1.0 Wind 210 deg - No Ice	58.25	-15.25	26.48	3363.35	1936.84	0.37
1.2 Dead+1.0 Wind 240 deg - No Ice	77.66	-25.89	14.95	1934.50	3354.14	0.33
0.9 Dead+1.0 Wind 240 deg - No Ice	58.25	-25.89	14.95	1906.14	3303.65	0.32
1.2 Dead+1.0 Wind 270 deg - No Ice	77.66	-29.90	-0.03	-7.58	3875.41	0.21
0.9 Dead+1.0 Wind 270 deg - No Ice	58.25	-29.90	-0.03	-6.84	3817.05	0.19
1.2 Dead+1.0 Wind 300 deg - No Ice	77.66	-25.91	-15.00	-1948.25	3359.21	0.02
0.9 Dead+1.0 Wind 300 deg - No Ice	58.25	-25.91	-15.00	-1918.44	3308.64	-0.01
1.2 Dead+1.0 Wind 330 deg - No Ice	77.66	-14.98	-25.95	-3367.54	1942.86	-0.19
0.9 Dead+1.0 Wind 330 deg - No Ice	58.25	-14.98	-25.95	-3316.47	1913.49	-0.22
1.2 Dead+1.0 Ice+1.0 Temp	103.04	0.00	0.00	-4.25	3.97	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	103.04	-0.01	-7.77	-1064.59	5.33	-0.10
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	103.04	3.88	-6.73	-922.02	-523.95	-0.11
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	103.04	6.72	-3.88	-533.58	-911.72	-0.09
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	103.04	7.76	0.01	-3.39	-1054.06	-0.04
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	103.04	6.73	3.89	526.50	-912.87	0.01
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	103.04	3.89	6.74	914.10	-525.93	0.06
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	103.04	0.01	7.77	1055.54	3.04	0.10
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	103.04	-3.88	6.73	912.96	532.33	0.11
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	103.04	-6.72	3.88	524.52	920.10	0.09
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	103.04	-7.76	-0.01	-5.67	1062.43	0.04
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	103.04	-6.73	-3.89	-535.56	921.24	-0.01
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	103.04	-3.89	-6.74	-923.16	534.31	-0.06
Dead+Wind 0 deg - Service	64.72	-0.01	-7.83	-1005.09	2.24	-0.10
Dead+Wind 30 deg - Service	64.72	3.91	-6.79	-870.92	-498.93	-0.11
Dead+Wind 60 deg - Service	64.72	6.64	-3.83	-494.66	-851.83	-0.08
Dead+Wind 90 deg - Service	64.72	7.67	0.01	-0.73	-984.39	-0.04
Dead+Wind 120 deg - Service	64.72	6.64	3.85	492.84	-853.12	0.02
Dead+Wind 150 deg - Service	64.72	3.84	6.65	853.82	-492.90	0.07
Dead+Wind 180 deg - Service	64.72	0.01	7.83	1001.03	-0.35	0.10
Dead+Wind 210 deg - Service	64.72	-3.91	6.79	866.85	500.82	0.11

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 240 deg - Service	64.72	-6.64	3.83	490.59	853.72	0.08
Dead+Wind 270 deg - Service	64.72	-7.67	-0.01	-3.33	986.28	0.04
Dead+Wind 300 deg - Service	64.72	-6.64	-3.85	-496.91	855.01	-0.02
Dead+Wind 330 deg - Service	64.72	-3.84	-6.65	-857.88	494.79	-0.07

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-64.72	0.00	0.00	64.72	-0.00	0.000%
2	-0.03	-77.66	-30.55	0.03	77.66	30.54	0.003%
3	-0.03	-58.25	-30.55	0.03	58.25	30.54	0.005%
4	15.25	-77.66	-26.48	-15.25	77.66	26.48	0.000%
5	15.25	-58.25	-26.48	-15.25	58.25	26.48	0.000%
6	25.89	-77.66	-14.95	-25.89	77.66	14.95	0.000%
7	25.89	-58.25	-14.95	-25.89	58.25	14.95	0.000%
8	29.91	-77.66	0.03	-29.90	77.66	-0.03	0.003%
9	29.91	-58.25	0.03	-29.90	58.25	-0.03	0.005%
10	25.91	-77.66	15.00	-25.91	77.66	-15.00	0.000%
11	25.91	-58.25	15.00	-25.91	58.25	-15.00	0.000%
12	14.98	-77.66	25.95	-14.98	77.66	-25.95	0.000%
13	14.98	-58.25	25.95	-14.98	58.25	-25.95	0.000%
14	0.03	-77.66	30.55	-0.03	77.66	-30.54	0.003%
15	0.03	-58.25	30.55	-0.03	58.25	-30.54	0.005%
16	-15.25	-77.66	26.48	15.25	77.66	-26.48	0.000%
17	-15.25	-58.25	26.48	15.25	58.25	-26.48	0.000%
18	-25.89	-77.66	14.95	25.89	77.66	-14.95	0.000%
19	-25.89	-58.25	14.95	25.89	58.25	-14.95	0.000%
20	-29.91	-77.66	-0.03	29.90	77.66	0.03	0.003%
21	-29.91	-58.25	-0.03	29.90	58.25	0.03	0.005%
22	-25.91	-77.66	-15.00	25.91	77.66	15.00	0.000%
23	-25.91	-58.25	-15.00	25.91	58.25	15.00	0.000%
24	-14.98	-77.66	-25.95	14.98	77.66	25.95	0.000%
25	-14.98	-58.25	-25.95	14.98	58.25	25.95	0.000%
26	0.00	-103.04	0.00	-0.00	103.04	-0.00	0.001%
27	-0.01	-103.04	-7.77	0.01	103.04	7.77	0.000%
28	3.88	-103.04	-6.73	-3.88	103.04	6.73	0.000%
29	6.72	-103.04	-3.88	-6.72	103.04	3.88	0.000%
30	7.76	-103.04	0.01	-7.76	103.04	-0.01	0.000%
31	6.73	-103.04	3.89	-6.73	103.04	-3.89	0.000%
32	3.89	-103.04	6.74	-3.89	103.04	-6.74	0.000%
33	0.01	-103.04	7.77	-0.01	103.04	-7.77	0.000%
34	-3.88	-103.04	6.73	3.88	103.04	-6.73	0.000%
35	-6.72	-103.04	3.88	6.72	103.04	-3.88	0.000%
36	-7.76	-103.04	-0.01	7.76	103.04	0.01	0.000%
37	-6.73	-103.04	-3.89	6.73	103.04	3.89	0.000%
38	-3.89	-103.04	-6.74	3.89	103.04	6.74	0.000%
39	-0.01	-64.72	-7.83	0.01	64.72	7.83	0.003%
40	3.91	-64.72	-6.79	-3.91	64.72	6.79	0.002%
41	6.64	-64.72	-3.83	-6.64	64.72	3.83	0.001%
42	7.67	-64.72	0.01	-7.67	64.72	-0.01	0.003%
43	6.65	-64.72	3.85	-6.64	64.72	-3.85	0.001%
44	3.84	-64.72	6.66	-3.84	64.72	-6.65	0.001%
45	0.01	-64.72	7.83	-0.01	64.72	-7.83	0.003%
46	-3.91	-64.72	6.79	3.91	64.72	-6.79	0.002%
47	-6.64	-64.72	3.83	6.64	64.72	-3.83	0.001%
48	-7.67	-64.72	-0.01	7.67	64.72	0.01	0.003%
49	-6.65	-64.72	-3.85	6.64	64.72	3.85	0.001%
50	-3.84	-64.72	-6.66	3.84	64.72	6.65	0.001%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000221
2	Yes	20	0.00004427	0.00010985
3	Yes	19	0.00005022	0.00012334
4	Yes	26	0.00000001	0.00012982
5	Yes	26	0.00000001	0.00008977
6	Yes	26	0.00000001	0.00012684
7	Yes	26	0.00000001	0.00008794
8	Yes	20	0.00004439	0.00009755
9	Yes	19	0.00005035	0.00010146
10	Yes	26	0.00000001	0.00012695
11	Yes	26	0.00000001	0.00008810
12	Yes	26	0.00000001	0.00012673
13	Yes	26	0.00000001	0.00008785
14	Yes	20	0.00004427	0.00009981
15	Yes	19	0.00005022	0.00010595
16	Yes	26	0.00000001	0.00013081
17	Yes	26	0.00000001	0.00009057
18	Yes	26	0.00000001	0.00012531
19	Yes	26	0.00000001	0.00008694
20	Yes	20	0.00004438	0.00010485
21	Yes	19	0.00005034	0.00011215
22	Yes	26	0.00000001	0.00012743
23	Yes	26	0.00000001	0.00008827
24	Yes	26	0.00000001	0.00012786
25	Yes	26	0.00000001	0.00008864
26	Yes	11	0.00000001	0.00014815
27	Yes	24	0.00000001	0.00014628
28	Yes	25	0.00000001	0.00009275
29	Yes	25	0.00000001	0.00009254
30	Yes	24	0.00000001	0.00014469
31	Yes	25	0.00000001	0.00009210
32	Yes	25	0.00000001	0.00009212
33	Yes	24	0.00000001	0.00014472
34	Yes	25	0.00000001	0.00009237
35	Yes	25	0.00000001	0.00009241
36	Yes	24	0.00000001	0.00014569
37	Yes	25	0.00000001	0.00009336
38	Yes	25	0.00000001	0.00009351
39	Yes	18	0.00011048	0.00006907
40	Yes	19	0.00006299	0.00014137
41	Yes	19	0.00006303	0.00014030
42	Yes	18	0.00011053	0.00006730
43	Yes	19	0.00006302	0.00013866
44	Yes	19	0.00006302	0.00013717
45	Yes	18	0.00011043	0.00006849
46	Yes	19	0.00006296	0.00014470
47	Yes	19	0.00006300	0.00013558
48	Yes	18	0.00011049	0.00006743
49	Yes	19	0.00006302	0.00013966
50	Yes	19	0.00006303	0.00014150

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	175 - 170	32.263	39	1.8061	0.0013
L2	170 - 165	30.374	39	1.7996	0.0012
L3	165 - 160	28.498	39	1.7819	0.0011
L4	160 - 155	26.646	39	1.7533	0.0010

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L5	155 - 145.5	24.831	39	1.7118	0.0009
L6	150 - 145	23.065	39	1.6601	0.0008
L7	145 - 140	21.340	39	1.6315	0.0007
L8	140 - 135	19.659	39	1.5782	0.0007
L9	135 - 130	18.037	39	1.5178	0.0006
L10	130 - 125	16.482	39	1.4516	0.0005
L11	125 - 120	14.999	39	1.3807	0.0005
L12	120 - 115	13.592	39	1.3059	0.0004
L13	115 - 110	12.265	39	1.2281	0.0004
L14	110 - 105	11.021	39	1.1479	0.0003
L15	105 - 95.5	9.862	39	1.0659	0.0003
L16	101 - 94.5	8.997	39	0.9992	0.0003
L17	94.5 - 89.5	7.672	39	0.9407	0.0002
L18	89.5 - 84.5	6.726	39	0.8656	0.0002
L19	84.5 - 83.17	5.859	39	0.7901	0.0002
L20	83.17 - 82.92	5.642	39	0.7703	0.0002
L21	82.92 - 77.92	5.602	39	0.7665	0.0002
L22	77.92 - 72.92	4.839	39	0.6910	0.0001
L23	72.92 - 67.92	4.155	39	0.6157	0.0001
L24	67.92 - 65.5	3.549	39	0.5407	0.0001
L25	65.5 - 65.25	3.284	39	0.5045	0.0001
L26	65.25 - 64	3.258	39	0.5008	0.0001
L27	64 - 63.75	3.129	39	0.4823	0.0001
L28	63.75 - 58.75	3.104	39	0.4801	0.0001
L29	58.75 - 53.75	2.625	39	0.4347	0.0001
L30	53.75 - 46.58	2.194	39	0.3889	0.0001
L31	53 - 45.58	2.133	39	0.3820	0.0001
L32	45.58 - 43	1.566	39	0.3438	0.0001
L33	43 - 42.75	1.387	39	0.3205	0.0001
L34	42.75 - 42.5	1.370	39	0.3184	0.0001
L35	42.5 - 42.25	1.353	39	0.3164	0.0001
L36	42.25 - 42	1.337	39	0.3145	0.0001
L37	42 - 41.75	1.320	39	0.3126	0.0001
L38	41.75 - 36.75	1.304	39	0.3105	0.0001
L39	36.75 - 32	1.001	39	0.2683	0.0000
L40	32 - 31.75	0.754	39	0.2279	0.0000
L41	31.75 - 26.75	0.742	39	0.2259	0.0000
L42	26.75 - 21.75	0.527	39	0.1861	0.0000
L43	21.75 - 18	0.352	39	0.1468	0.0000
L44	18 - 17.75	0.249	39	0.1176	0.0000
L45	17.75 - 9.92	0.242	39	0.1157	0.0000
L46	17 - 8.92	0.225	39	0.1099	0.0000
L47	8.92 - 3.92	0.067	39	0.0728	0.0000
L48	3.92 - 2.75	0.012	39	0.0309	0.0000
L49	2.75 - 2.5	0.006	39	0.0212	0.0000
L50	2.5 - 0	0.005	39	0.0193	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
174.00	ADA-85408580CF w/ Mount Pipe	39	31.884	1.8053	0.0013	22999
162.00	800 10121 w/ Mount Pipe	39	27.383	1.7659	0.0011	9604
154.00	MX08FRO665-21 w/ Mount Pipe	39	24.474	1.7010	0.0009	6219
144.00	APXVAALL24_43-U-NA20 w/ Mount Pipe	39	21.000	1.6232	0.0007	6460

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	175 - 170	126.749	2	7.0974	0.0049
L2	170 - 165	119.344	2	7.0735	0.0046
L3	165 - 160	111.987	2	7.0054	0.0041
L4	160 - 155	104.722	2	6.8947	0.0037
L5	155 - 145.5	97.599	2	6.7338	0.0033
L6	150 - 145	90.665	2	6.5320	0.0029
L7	145 - 140	83.892	2	6.4200	0.0027
L8	140 - 135	77.289	2	6.2112	0.0024
L9	135 - 130	70.919	2	5.9741	0.0021
L10	130 - 125	64.808	2	5.7138	0.0019
L11	125 - 120	58.978	2	5.4347	0.0017
L12	120 - 115	53.448	2	5.1405	0.0015
L13	115 - 110	48.231	2	4.8342	0.0013
L14	110 - 105	43.339	2	4.5185	0.0012
L15	105 - 95.5	38.780	2	4.1954	0.0010
L16	101 - 94.5	35.378	2	3.9329	0.0009
L17	94.5 - 89.5	30.167	2	3.7025	0.0008
L18	89.5 - 84.5	26.447	2	3.4064	0.0007
L19	84.5 - 83.17	23.037	2	3.1092	0.0006
L20	83.17 - 82.92	22.182	2	3.0309	0.0006
L21	82.92 - 77.92	22.024	2	3.0161	0.0006
L22	77.92 - 72.92	19.023	2	2.7188	0.0005
L23	72.92 - 67.92	16.332	2	2.4222	0.0004
L24	67.92 - 65.5	13.951	2	2.1268	0.0004
L25	65.5 - 65.25	12.909	2	1.9844	0.0003
L26	65.25 - 64	12.806	2	1.9697	0.0003
L27	64 - 63.75	12.299	2	1.8970	0.0003
L28	63.75 - 58.75	12.200	2	1.8880	0.0003
L29	58.75 - 53.75	10.317	2	1.7095	0.0003
L30	53.75 - 46.58	8.622	2	1.5289	0.0002
L31	53 - 45.58	8.384	2	1.5020	0.0002
L32	45.58 - 43	6.154	2	1.3515	0.0002
L33	43 - 42.75	5.449	2	1.2600	0.0002
L34	42.75 - 42.5	5.383	2	1.2518	0.0002
L35	42.5 - 42.25	5.317	2	1.2436	0.0002
L36	42.25 - 42	5.253	2	1.2363	0.0002
L37	42 - 41.75	5.188	2	1.2289	0.0002
L38	41.75 - 36.75	5.124	2	1.2206	0.0002
L39	36.75 - 32	3.933	2	1.0545	0.0001
L40	32 - 31.75	2.963	2	0.8957	0.0001
L41	31.75 - 26.75	2.916	2	0.8879	0.0001
L42	26.75 - 21.75	2.069	2	0.7313	0.0001
L43	21.75 - 18	1.384	2	0.5766	0.0001
L44	18 - 17.75	0.976	2	0.4619	0.0001
L45	17.75 - 9.92	0.952	2	0.4543	0.0001
L46	17 - 8.92	0.883	2	0.4315	0.0001
L47	8.92 - 3.92	0.262	2	0.2859	0.0000
L48	3.92 - 2.75	0.049	2	0.1212	0.0000
L49	2.75 - 2.5	0.024	2	0.0832	0.0000
L50	2.5 - 0	0.020	2	0.0757	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
174.00	ADA-85408580CF w/ Mount Pipe	2	125.266	7.0944	0.0049	6271
162.00	800 10121 w/ Mount Pipe	2	107.614	6.9437	0.0039	2551
154.00	MX08FRO665-21 w/ Mount Pipe	2	96.198	6.6917	0.0032	1637
144.00	APXVAALL24_43-U-NA20 w/ Mount Pipe	2	82.556	6.3874	0.0026	1687

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L1	175 - 170 (1)	TP23.025x22.125x0.2188	5.00	0.00	0.0	16.0642	-4.48	939.75	0.005
L2	170 - 165 (2)	TP23.925x23.025x0.2188	5.00	0.00	0.0	16.6981	-4.80	976.84	0.005
L3	165 - 160 (3)	TP24.825x23.925x0.2188	5.00	0.00	0.0	17.3320	-8.18	1013.92	0.008
L4	160 - 155 (4)	TP25.725x24.825x0.2188	5.00	0.00	0.0	17.9660	-8.58	1051.01	0.008
L5	155 - 145.5 (5)	TP27.435x25.725x0.2188	9.50	0.00	0.0	18.5999	-11.96	1088.09	0.011
L6	145.5 - 145 (6)	TP27.0875x26.1875x0.3125	5.00	0.00	0.0	26.9423	-12.91	1576.12	0.008
L7	145 - 140 (7)	TP27.9874x27.0875x0.3125	5.00	0.00	0.0	27.8479	-17.14	1629.10	0.011
L8	140 - 135 (8)	TP28.8874x27.9874x0.3125	5.00	0.00	0.0	28.7535	-17.88	1682.08	0.011
L9	135 - 130 (9)	TP29.7873x28.8874x0.3125	5.00	0.00	0.0	29.6590	-18.65	1735.05	0.011
L10	130 - 125 (10)	TP30.6873x29.7873x0.3125	5.00	0.00	0.0	30.5646	-19.44	1788.03	0.011
L11	125 - 120 (11)	TP31.5872x30.6873x0.3125	5.00	0.00	0.0	31.4702	-20.26	1841.01	0.011
L12	120 - 115 (12)	TP32.4872x31.5872x0.3125	5.00	0.00	0.0	32.3758	-21.12	1893.98	0.011
L13	115 - 110 (13)	TP33.3871x32.4872x0.3125	5.00	0.00	0.0	33.2813	-21.99	1946.96	0.011
L14	110 - 105 (14)	TP34.2871x33.3871x0.3125	5.00	0.00	0.0	34.1869	-22.90	1999.94	0.011
L15	105 - 95.5 (15)	TP35.997x34.2871x0.3125	9.50	0.00	0.0	34.9114	-23.64	2042.32	0.012
L16	95.5 - 94.5 (16)	TP35.552x34.3821x0.375	6.50	0.00	0.0	42.4762	-25.76	2484.86	0.010
L17	94.5 - 89.5 (17)	TP36.4519x35.552x0.375	5.00	0.00	0.0	43.5629	-26.86	2548.43	0.011
L18	89.5 - 84.5 (18)	TP37.3519x36.4519x0.375	5.00	0.00	0.0	44.6496	-28.07	2612.00	0.011
L19	84.5 - 83.17 (19)	TP37.5912x37.3519x0.375	1.33	0.00	0.0	44.9386	-28.47	2628.91	0.011
L20	83.17 - 82.92 (20)	TP37.6362x37.5912x0.375	0.25	0.00	0.0	44.9929	-28.56	2632.09	0.011
L21	82.92 - 77.92 (21)	TP38.5362x37.6362x0.375	5.00	0.00	0.0	46.0796	-30.07	2695.66	0.011
L22	77.92 - 72.92 (22)	TP39.4361x38.5362x0.375	5.00	0.00	0.0	47.1663	-31.63	2759.23	0.011
L23	72.92 - 67.92 (23)	TP40.3361x39.4361x0.375	5.00	0.00	0.0	48.2530	-33.21	2822.80	0.012
L24	67.92 - 65.5 (24)	TP40.7716x40.3361x0.375	2.42	0.00	0.0	48.7789	-33.98	2853.57	0.012
L25	65.5 - 65.25 (25)	TP40.8166x40.7716x0.375	0.25	0.00	0.0	48.8333	-34.09	2856.75	0.012
L26	65.25 - 64 (26)	TP41.0416x40.8166x0.375	1.25	0.00	0.0	49.1049	-34.54	2872.64	0.012
L27	64 - 63.75 (27)	TP41.0866x41.0416x0.625	0.25	0.00	0.0	81.4290	-34.67	4763.60	0.007
L28	63.75 - 58.75 (28)	TP41.9865x41.0866x0.625	5.00	0.00	0.0	83.2401	-37.10	4869.55	0.008
L29	58.75 - 53.75 (29)	TP42.8865x41.9865x0.6125	5.00	0.00	0.0	83.3749	-39.57	4877.43	0.008
L30	53.75 - 46.58 (30)	TP44.177x42.8865x0.6125	7.17	0.00	0.0	83.6411	-39.94	4893.00	0.008
L31	46.58 - 45.58 (31)	TP43.6073x42.2715x0.6438	7.42	0.00	0.0	89.0649	-45.86	5210.29	0.009

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L32	45.58 - 43 (32)	TP44.0718x43.6073x0.6438	2.58	0.00	0.0	90.0277	-47.35	5266.62	0.009
L33	43 - 42.75 (33)	TP44.1168x44.0718x0.6938	0.25	0.00	0.0	97.0085	-47.52	5675.00	0.008
L34	42.75 - 42.5 (34)	TP44.1618x44.1168x0.6938	0.25	0.00	0.0	97.1090	-47.68	5680.88	0.008
L35	42.5 - 42.25 (35)	TP44.2068x44.1618x0.7813	0.25	0.00	0.0	109.2490	-47.85	6391.08	0.007
L36	42.25 - 42 (36)	TP44.2518x44.2068x0.7813	0.25	0.00	0.0	109.3620	-48.01	6397.70	0.008
L37	42 - 41.75 (37)	TP44.2968x44.2518x0.6813	0.25	0.00	0.0	95.6830	-48.16	5597.46	0.009
L38	41.75 - 36.75 (38)	TP45.1969x44.2968x0.6813	5.00	0.00	0.0	97.6577	-51.02	5712.98	0.009
L39	36.75 - 32 (39)	TP46.052x45.1969x0.6688	4.75	0.00	0.0	97.7344	-53.78	5717.46	0.009
L40	32 - 31.75 (40)	TP46.097x46.052x0.7188	0.25	0.00	0.0	105.0300	-53.94	6144.23	0.009
L41	31.75 - 26.75 (41)	TP46.9972x46.097x0.7063	5.00	0.00	0.0	105.2790	-57.01	6158.80	0.009
L42	26.75 - 21.75 (42)	TP47.8973x46.9972x0.7063	5.00	0.00	0.0	107.3260	-60.11	6278.56	0.010
L43	21.75 - 18 (43)	TP48.5724x47.8973x0.7063	3.75	0.00	0.0	108.8610	-62.63	6368.38	0.010
L44	18 - 17.75 (44)	TP48.6174x48.5724x0.7063	0.25	0.00	0.0	108.9640	-62.81	6374.37	0.010
L45	17.75 - 9.92 (45)	TP50.027x48.6174x0.7063	7.83	0.00	0.0	109.2710	-63.31	6392.33	0.010
L46	9.92 - 8.92 (46)	TP49.3943x47.9398x0.6625	8.08	0.00	0.0	103.9570	-71.82	6081.49	0.012
L47	8.92 - 3.92 (47)	TP50.2944x49.3943x0.6625	5.00	0.00	0.0	105.8770	-75.09	6193.81	0.012
L48	3.92 - 2.75 (48)	TP50.505x50.2944x0.6625	1.17	0.00	0.0	106.3260	-75.87	6220.10	0.012
L49	2.75 - 2.5 (49)	TP50.55x50.505x0.7125	0.25	0.00	0.0	114.3400	-76.04	6688.87	0.011
L50	2.5 - 0 (50)	TP51x50.55x0.7125	2.50	0.00	0.0	115.3720	-77.65	6749.27	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	175 - 170 (1)	TP23.025x22.125x0.2188	35.90	505.72	0.071	0.00	505.72	0.000
L2	170 - 165 (2)	TP23.925x23.025x0.2188	73.26	537.91	0.136	0.00	537.91	0.000
L3	165 - 160 (3)	TP24.825x23.925x0.2188	131.81	570.32	0.231	0.00	570.32	0.000
L4	160 - 155 (4)	TP25.725x24.825x0.2188	189.33	602.90	0.314	0.00	602.90	0.000
L5	155 - 145.5 (5)	TP27.435x25.725x0.2188	260.32	635.56	0.410	0.00	635.56	0.000
L6	145.5 - 145 (6)	TP27.0875x26.1875x0.3125	336.63	1065.29	0.316	0.00	1065.29	0.000
L7	145 - 140 (7)	TP27.9874x27.0875x0.3125	428.35	1126.68	0.380	0.00	1126.68	0.000
L8	140 - 135 (8)	TP28.8874x27.9874x0.3125	525.57	1188.93	0.442	0.00	1188.93	0.000
L9	135 - 130 (9)	TP29.7873x28.8874x0.3125	625.02	1251.96	0.499	0.00	1251.96	0.000
L10	130 - 125 (10)	TP30.6873x29.7873x0.3125	726.69	1315.69	0.552	0.00	1315.69	0.000
L11	125 - 120 (11)	TP31.5872x30.6873x0.3125	830.51	1380.07	0.602	0.00	1380.07	0.000
L12	120 - 115 (12)	TP32.4872x31.5872x0.3125	936.47	1444.98	0.648	0.00	1444.98	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 $\frac{M_{uy}}{\phi M_{ny}}$
L13	115 - 110 (13)	TP33.3871x32.4872x0.3125	1044.52	1510.39	0.692	0.00	1510.39	0.000
L14	110 - 105 (14)	TP34.2871x33.3871x0.3125	1154.62	1576.19	0.733	0.00	1576.19	0.000
L15	105 - 95.5 (15)	TP35.997x34.2871x0.3125	1244.13	1629.08	0.764	0.00	1629.08	0.000
L16	95.5 - 94.5 (16)	TP35.552x34.3821x0.375	1392.84	2143.84	0.650	0.00	2143.84	0.000
L17	94.5 - 89.5 (17)	TP36.4519x35.552x0.375	1509.82	2235.37	0.675	0.00	2235.37	0.000
L18	89.5 - 84.5 (18)	TP37.3519x36.4519x0.375	1628.77	2327.68	0.700	0.00	2327.68	0.000
L19	84.5 - 83.17 (19)	TP37.5912x37.3519x0.375	1660.73	2352.37	0.706	0.00	2352.37	0.000
L20	83.17 - 82.92 (20)	TP37.6362x37.5912x0.375	1666.77	2357.01	0.707	0.00	2357.01	0.000
L21	82.92 - 77.92 (21)	TP38.5362x37.6362x0.375	1788.32	2450.24	0.730	0.00	2450.24	0.000
L22	77.92 - 72.92 (22)	TP39.4361x38.5362x0.375	1911.83	2544.09	0.751	0.00	2544.09	0.000
L23	72.92 - 67.92 (23)	TP40.3361x39.4361x0.375	2037.22	2638.47	0.772	0.00	2638.47	0.000
L24	67.92 - 65.5 (24)	TP40.7716x40.3361x0.375	2098.57	2684.32	0.782	0.00	2684.32	0.000
L25	65.5 - 65.25 (25)	TP40.8166x40.7716x0.375	2104.94	2689.07	0.783	0.00	2689.07	0.000
L26	65.25 - 64 (26)	TP41.0416x40.8166x0.375	2136.82	2712.80	0.788	0.00	2712.80	0.000
L27	64 - 63.75 (27)	TP41.0866x41.0416x0.625	2143.22	4910.96	0.436	0.00	4910.96	0.000
L28	63.75 - 58.75 (28)	TP41.9865x41.0866x0.625	2272.27	5133.54	0.443	0.00	5133.54	0.000
L29	58.75 - 53.75 (29)	TP42.8865x41.9865x0.6125	2403.58	5258.51	0.457	0.00	5258.51	0.000
L30	53.75 - 46.58 (30)	TP44.177x42.8865x0.6125	2423.47	5292.38	0.458	0.00	5292.38	0.000
L31	46.58 - 45.58 (31)	TP43.6073x42.2715x0.6438	2623.33	5706.21	0.460	0.00	5706.21	0.000
L32	45.58 - 43 (32)	TP44.0718x43.6073x0.6438	2694.04	5831.17	0.462	0.00	5831.17	0.000
L33	43 - 42.75 (33)	TP44.1168x44.0718x0.6938	2700.93	6275.47	0.430	0.00	6275.47	0.000
L34	42.75 - 42.5 (34)	TP44.1618x44.1168x0.6938	2707.82	6288.58	0.431	0.00	6288.58	0.000
L35	42.5 - 42.25 (35)	TP44.2068x44.1618x0.7813	2714.71	7053.75	0.385	0.00	7053.75	0.000
L36	42.25 - 42 (36)	TP44.2518x44.2068x0.7813	2721.61	7068.51	0.385	0.00	7068.51	0.000
L37	42 - 41.75 (37)	TP44.2968x44.2518x0.6813	2728.52	6219.36	0.439	0.00	6219.36	0.000
L38	41.75 - 36.75 (38)	TP45.1969x44.2968x0.6813	2867.66	6480.73	0.442	0.00	6480.73	0.000
L39	36.75 - 32 (39)	TP46.052x45.1969x0.6688	3001.60	6615.93	0.454	0.00	6615.93	0.000
L40	32 - 31.75 (40)	TP46.097x46.052x0.7188	3008.70	7101.26	0.424	0.00	7101.26	0.000
L41	31.75 - 26.75 (41)	TP46.9972x46.097x0.7063	3151.50	7265.42	0.434	0.00	7265.42	0.000
L42	26.75 - 21.75 (42)	TP47.8973x46.9972x0.7063	3296.01	7552.88	0.436	0.00	7552.88	0.000
L43	21.75 - 18 (43)	TP48.5724x47.8973x0.7063	3405.53	7772.14	0.438	0.00	7772.14	0.000
L44	18 - 17.75 (44)	TP48.6174x48.5724x0.7063	3412.87	7786.87	0.438	0.00	7786.87	0.000
L45	17.75 - 9.92 (45)	TP50.027x48.6174x0.7063	3434.93	7831.14	0.439	0.00	7831.14	0.000
L46	9.92 - 8.92 (46)	TP49.3943x47.9398x0.6625	3675.57	7564.91	0.486	0.00	7564.91	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 $\frac{M_{uy}}{\phi M_{ny}}$
L47	8.92 - 3.92 (47)	TP50.2944x49.3943x0.6625	3826.72	7848.84	0.488	0.00	7848.84	0.000
L48	3.92 - 2.75 (48)	TP50.505x50.2944x0.6625	3862.29	7916.03	0.488	0.00	7916.03	0.000
L49	2.75 - 2.5 (49)	TP50.55x50.505x0.7125	3869.90	8503.33	0.455	0.00	8503.33	0.000
L50	2.5 - 0 (50)	TP51x50.55x0.7125	3946.18	8658.67	0.456	0.00	8658.67	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	175 - 170 (1)	TP23.025x22.125x0.2188	7.27	281.93	0.026	0.27	565.57	0.000
L2	170 - 165 (2)	TP23.925x23.025x0.2188	7.67	293.05	0.026	0.22	611.09	0.000
L3	165 - 160 (3)	TP24.825x23.925x0.2188	11.28	304.18	0.037	0.19	658.37	0.000
L4	160 - 155 (4)	TP25.725x24.825x0.2188	11.74	315.30	0.037	0.19	707.41	0.000
L5	155 - 145.5 (5)	TP27.435x25.725x0.2188	14.99	326.43	0.046	0.36	758.22	0.000
L6	145.5 - 145 (6)	TP27.0875x26.1875x0.3125	15.53	472.84	0.033	0.36	1113.63	0.000
L7	145 - 140 (7)	TP27.9874x27.0875x0.3125	19.22	488.73	0.039	0.36	1189.75	0.000
L8	140 - 135 (8)	TP28.8874x27.9874x0.3125	19.67	504.62	0.039	0.36	1268.38	0.000
L9	135 - 130 (9)	TP29.7873x28.8874x0.3125	20.12	520.52	0.039	0.35	1349.54	0.000
L10	130 - 125 (10)	TP30.6873x29.7873x0.3125	20.56	536.41	0.038	0.35	1433.21	0.000
L11	125 - 120 (11)	TP31.5872x30.6873x0.3125	20.99	552.30	0.038	0.35	1519.39	0.000
L12	120 - 115 (12)	TP32.4872x31.5872x0.3125	21.41	568.20	0.038	0.35	1608.09	0.000
L13	115 - 110 (13)	TP33.3871x32.4872x0.3125	21.83	584.09	0.037	0.35	1699.31	0.000
L14	110 - 105 (14)	TP34.2871x33.3871x0.3125	22.23	599.98	0.037	0.35	1793.04	0.000
L15	105 - 95.5 (15)	TP35.997x34.2871x0.3125	22.55	612.70	0.037	0.35	1869.84	0.000
L16	95.5 - 94.5 (16)	TP35.552x34.3821x0.375	23.21	745.46	0.031	0.35	2306.65	0.000
L17	94.5 - 89.5 (17)	TP36.4519x35.552x0.375	23.60	764.53	0.031	0.35	2426.18	0.000
L18	89.5 - 84.5 (18)	TP37.3519x36.4519x0.375	24.00	783.60	0.031	0.35	2548.73	0.000
L19	84.5 - 83.17 (19)	TP37.5912x37.3519x0.375	24.11	788.67	0.031	0.35	2581.84	0.000
L20	83.17 - 82.92 (20)	TP37.6362x37.5912x0.375	24.14	789.63	0.031	0.35	2588.08	0.000
L21	82.92 - 77.92 (21)	TP38.5362x37.6362x0.375	24.52	808.70	0.030	0.35	2714.61	0.000
L22	77.92 - 72.92 (22)	TP39.4361x38.5362x0.375	24.90	827.77	0.030	0.35	2844.16	0.000
L23	72.92 - 67.92 (23)	TP40.3361x39.4361x0.375	25.28	846.84	0.030	0.35	2976.72	0.000
L24	67.92 - 65.5 (24)	TP40.7716x40.3361x0.375	25.46	856.07	0.030	0.35	3041.97	0.000
L25	65.5 - 65.25 (25)	TP40.8166x40.7716x0.375	25.48	857.02	0.030	0.35	3048.75	0.000
L26	65.25 - 64 (26)	TP41.0416x40.8166x0.375	25.57	861.79	0.030	0.35	3082.76	0.000
L27	64 - 63.75 (27)	TP41.0866x41.0416x0.625	25.60	1429.08	0.018	0.35	5086.27	0.000
L28	63.75 - 58.75 (28)	TP41.9865x41.0866x0.625	26.05	1460.86	0.018	0.35	5315.04	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L29	58.75 - 53.75 (29)	TP42.8865x41.9865x0.6125	26.49	1463.23	0.018	0.35	5441.08	0.000
L30	53.75 - 46.58 (30)	TP44.177x42.8865x0.6125	26.55	1467.90	0.018	0.35	5475.89	0.000
L31	46.58 - 45.58 (31)	TP43.6073x42.2715x0.6438	27.31	1563.09	0.017	0.35	5907.22	0.000
L32	45.58 - 43 (32)	TP44.0718x43.6073x0.6438	27.53	1579.99	0.017	0.35	6035.63	0.000
L33	43 - 42.75 (33)	TP44.1168x44.0718x0.6938	27.56	1702.50	0.016	0.35	6502.88	0.000
L34	42.75 - 42.5 (34)	TP44.1618x44.1168x0.6938	27.59	1704.26	0.016	0.35	6516.37	0.000
L35	42.5 - 42.25 (35)	TP44.2068x44.1618x0.7813	27.61	1917.32	0.014	0.35	7323.86	0.000
L36	42.25 - 42 (36)	TP44.2518x44.2068x0.7813	27.63	1919.31	0.014	0.35	7339.04	0.000
L37	42 - 41.75 (37)	TP44.2968x44.2518x0.6813	27.65	1679.24	0.016	0.35	6442.47	0.000
L38	41.75 - 36.75 (38)	TP45.1969x44.2968x0.6813	28.04	1713.89	0.016	0.35	6711.13	0.000
L39	36.75 - 32 (39)	TP46.052x45.1969x0.6688	28.38	1715.24	0.017	0.35	6847.31	0.000
L40	32 - 31.75 (40)	TP46.097x46.052x0.7188	28.41	1843.27	0.015	0.35	7357.60	0.000
L41	31.75 - 26.75 (41)	TP46.9972x46.097x0.7063	28.74	1847.64	0.016	0.35	7523.37	0.000
L42	26.75 - 21.75 (42)	TP47.8973x46.9972x0.7063	29.08	1883.57	0.015	0.35	7818.81	0.000
L43	21.75 - 18 (43)	TP48.5724x47.8973x0.7063	29.35	1910.51	0.015	0.35	8044.11	0.000
L44	18 - 17.75 (44)	TP48.6174x48.5724x0.7063	29.37	1912.31	0.015	0.35	8059.24	0.000
L45	17.75 - 9.92 (45)	TP50.027x48.6174x0.7063	29.41	1917.70	0.015	0.35	8104.73	0.000
L46	9.92 - 8.92 (46)	TP49.3943x47.9398x0.6625	30.08	1824.45	0.016	0.35	7820.67	0.000
L47	8.92 - 3.92 (47)	TP50.2944x49.3943x0.6625	30.35	1858.14	0.016	0.35	8112.22	0.000
L48	3.92 - 2.75 (48)	TP50.505x50.2944x0.6625	30.42	1866.03	0.016	0.35	8181.22	0.000
L49	2.75 - 2.5 (49)	TP50.55x50.505x0.7125	30.41	2006.66	0.015	0.35	8796.92	0.000
L50	2.5 - 0 (50)	TP51x50.55x0.7125	30.57	2024.78	0.015	0.35	8956.50	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	175 - 170 (1)	0.005	0.071	0.000	0.026	0.000	0.076	1.050	4.8.2
L2	170 - 165 (2)	0.005	0.136	0.000	0.026	0.000	0.142	1.050	4.8.2
L3	165 - 160 (3)	0.008	0.231	0.000	0.037	0.000	0.241	1.050	4.8.2
L4	160 - 155 (4)	0.008	0.314	0.000	0.037	0.000	0.324	1.050	4.8.2
L5	155 - 145.5 (5)	0.011	0.410	0.000	0.046	0.000	0.423	1.050	4.8.2
L6	145.5 - 145 (6)	0.008	0.316	0.000	0.033	0.000	0.325	1.050	4.8.2
L7	145 - 140 (7)	0.011	0.380	0.000	0.039	0.000	0.392	1.050	4.8.2
L8	140 - 135 (8)	0.011	0.442	0.000	0.039	0.000	0.454	1.050	4.8.2
L9	135 - 130 (9)	0.011	0.499	0.000	0.039	0.000	0.511	1.050	4.8.2
L10	130 - 125 (10)	0.011	0.552	0.000	0.038	0.000	0.565	1.050	4.8.2
L11	125 - 120 (11)	0.011	0.602	0.000	0.038	0.000	0.614	1.050	4.8.2
L12	120 - 115 (12)	0.011	0.648	0.000	0.038	0.000	0.661	1.050	4.8.2
L13	115 - 110 (13)	0.011	0.692	0.000	0.037	0.000	0.704	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
L14	110 - 105 (14)	0.011	0.733	0.000	0.037	0.000	0.745	1.050	4.8.2
L15	105 - 95.5 (15)	0.012	0.764	0.000	0.037	0.000	0.777	1.050	4.8.2
L16	95.5 - 94.5 (16)	0.010	0.650	0.000	0.031	0.000	0.661	1.050	4.8.2
L17	94.5 - 89.5 (17)	0.011	0.675	0.000	0.031	0.000	0.687	1.050	4.8.2
L18	89.5 - 84.5 (18)	0.011	0.700	0.000	0.031	0.000	0.711	1.050	4.8.2
L19	84.5 - 83.17 (19)	0.011	0.706	0.000	0.031	0.000	0.718	1.050	4.8.2
L20	83.17 - 82.92 (20)	0.011	0.707	0.000	0.031	0.000	0.719	1.050	4.8.2
L21	82.92 - 77.92 (21)	0.011	0.730	0.000	0.030	0.000	0.742	1.050	4.8.2
L22	77.92 - 72.92 (22)	0.011	0.751	0.000	0.030	0.000	0.764	1.050	4.8.2
L23	72.92 - 67.92 (23)	0.012	0.772	0.000	0.030	0.000	0.785	1.050	4.8.2
L24	67.92 - 65.5 (24)	0.012	0.782	0.000	0.030	0.000	0.795	1.050	4.8.2
L25	65.5 - 65.25 (25)	0.012	0.783	0.000	0.030	0.000	0.796	1.050	4.8.2
L26	65.25 - 64 (26)	0.012	0.788	0.000	0.030	0.000	0.801	1.050	4.8.2
L27	64 - 63.75 (27)	0.007	0.436	0.000	0.018	0.000	0.444	1.050	4.8.2
L28	63.75 - 58.75 (28)	0.008	0.443	0.000	0.018	0.000	0.451	1.050	4.8.2
L29	58.75 - 53.75 (29)	0.008	0.457	0.000	0.018	0.000	0.466	1.050	4.8.2
L30	53.75 - 46.58 (30)	0.008	0.458	0.000	0.018	0.000	0.466	1.050	4.8.2
L31	46.58 - 45.58 (31)	0.009	0.460	0.000	0.017	0.000	0.469	1.050	4.8.2
L32	45.58 - 43 (32)	0.009	0.462	0.000	0.017	0.000	0.471	1.050	4.8.2
L33	43 - 42.75 (33)	0.008	0.430	0.000	0.016	0.000	0.439	1.050	4.8.2
L34	42.75 - 42.5 (34)	0.008	0.431	0.000	0.016	0.000	0.439	1.050	4.8.2
L35	42.5 - 42.25 (35)	0.007	0.385	0.000	0.014	0.000	0.393	1.050	4.8.2
L36	42.25 - 42 (36)	0.008	0.385	0.000	0.014	0.000	0.393	1.050	4.8.2
L37	42 - 41.75 (37)	0.009	0.439	0.000	0.016	0.000	0.448	1.050	4.8.2
L38	41.75 - 36.75 (38)	0.009	0.442	0.000	0.016	0.000	0.452	1.050	4.8.2
L39	36.75 - 32 (39)	0.009	0.454	0.000	0.017	0.000	0.463	1.050	4.8.2
L40	32 - 31.75 (40)	0.009	0.424	0.000	0.015	0.000	0.433	1.050	4.8.2
L41	31.75 - 26.75 (41)	0.009	0.434	0.000	0.016	0.000	0.443	1.050	4.8.2
L42	26.75 - 21.75 (42)	0.010	0.436	0.000	0.015	0.000	0.446	1.050	4.8.2
L43	21.75 - 18 (43)	0.010	0.438	0.000	0.015	0.000	0.448	1.050	4.8.2
L44	18 - 17.75 (44)	0.010	0.438	0.000	0.015	0.000	0.448	1.050	4.8.2
L45	17.75 - 9.92 (45)	0.010	0.439	0.000	0.015	0.000	0.449	1.050	4.8.2
L46	9.92 - 8.92 (46)	0.012	0.486	0.000	0.016	0.000	0.498	1.050	4.8.2
L47	8.92 - 3.92 (47)	0.012	0.488	0.000	0.016	0.000	0.500	1.050	4.8.2
L48	3.92 - 2.75 (48)	0.012	0.488	0.000	0.016	0.000	0.500	1.050	4.8.2

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L49	2.75 - 2.5 (49)	0.011	0.455	0.000	0.015	0.000	0.467	1.050	4.8.2
L50	2.5 - 0 (50)	0.012	0.456	0.000	0.015	0.000	0.467	1.050	4.8.2

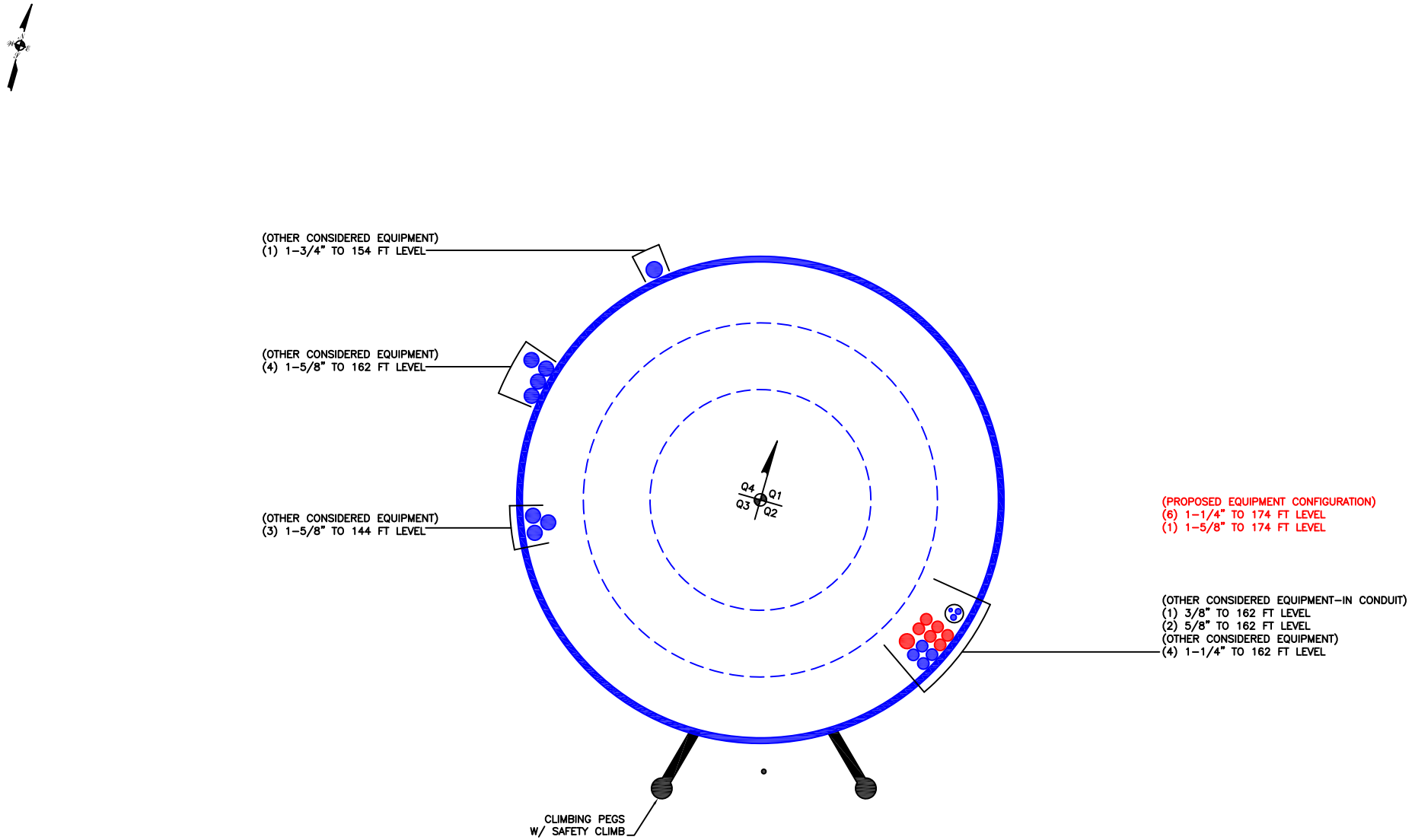
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	175 - 170	Pole	TP23.025x22.125x0.2188	1	-4.48	986.74	7.3	Pass
L2	170 - 165	Pole	TP23.925x23.025x0.2188	2	-4.80	1025.68	13.5	Pass
L3	165 - 160	Pole	TP24.825x23.925x0.2188	3	-8.18	1064.62	22.9	Pass
L4	160 - 155	Pole	TP25.725x24.825x0.2188	4	-8.58	1103.56	30.8	Pass
L5	155 - 145.5	Pole	TP27.435x25.725x0.2188	5	-11.96	1142.49	40.3	Pass
L6	145.5 - 145	Pole	TP27.0875x26.1875x0.3125	6	-12.91	1654.93	31.0	Pass
L7	145 - 140	Pole	TP27.9874x27.0875x0.3125	7	-17.14	1710.55	37.4	Pass
L8	140 - 135	Pole	TP28.8874x27.9874x0.3125	8	-17.88	1766.18	43.3	Pass
L9	135 - 130	Pole	TP29.7873x28.8874x0.3125	9	-18.65	1821.80	48.7	Pass
L10	130 - 125	Pole	TP30.6873x29.7873x0.3125	10	-19.44	1877.43	53.8	Pass
L11	125 - 120	Pole	TP31.5872x30.6873x0.3125	11	-20.26	1933.06	58.5	Pass
L12	120 - 115	Pole	TP32.4872x31.5872x0.3125	12	-21.12	1988.68	62.9	Pass
L13	115 - 110	Pole	TP33.3871x32.4872x0.3125	13	-21.99	2044.31	67.1	Pass
L14	110 - 105	Pole	TP34.2871x33.3871x0.3125	14	-22.90	2099.94	71.0	Pass
L15	105 - 95.5	Pole	TP35.997x34.2871x0.3125	15	-23.64	2144.44	74.0	Pass
L16	95.5 - 94.5	Pole	TP35.552x34.3821x0.375	16	-25.76	2609.10	63.0	Pass
L17	94.5 - 89.5	Pole	TP36.4519x35.552x0.375	17	-26.86	2675.85	65.4	Pass
L18	89.5 - 84.5	Pole	TP37.3519x36.4519x0.375	18	-28.07	2742.60	67.8	Pass
L19	84.5 - 83.17	Pole	TP37.5912x37.3519x0.375	19	-28.47	2760.36	68.4	Pass
L20	83.17 - 82.92	Pole	TP37.6362x37.5912x0.375	20	-28.56	2763.69	68.5	Pass
L21	82.92 - 77.92	Pole	TP38.5362x37.6362x0.375	21	-30.07	2830.44	70.7	Pass
L22	77.92 - 72.92	Pole	TP39.4361x38.5362x0.375	22	-31.63	2897.19	72.7	Pass
L23	72.92 - 67.92	Pole	TP40.3361x39.4361x0.375	23	-33.21	2963.94	74.7	Pass
L24	67.92 - 65.5	Pole	TP40.7716x40.3361x0.375	24	-33.98	2996.25	75.7	Pass
L25	65.5 - 65.25	Pole	TP40.8166x40.7716x0.375	25	-34.09	2999.59	75.8	Pass
L26	65.25 - 64	Pole	TP41.0416x40.8166x0.375	26	-34.54	3016.27	76.2	Pass
L27	64 - 63.75	Pole	TP41.0866x41.0416x0.625	27	-34.67	5001.78	42.3	Pass
L28	63.75 - 58.75	Pole	TP41.9865x41.0866x0.625	28	-37.10	5113.03	42.9	Pass
L29	58.75 - 53.75	Pole	TP42.8865x41.9865x0.6125	29	-39.57	5121.30	44.3	Pass
L30	53.75 - 46.58	Pole	TP44.177x42.8865x0.6125	30	-39.94	5137.65	44.4	Pass
L31	46.58 - 45.58	Pole	TP43.6073x42.2715x0.6438	31	-45.86	5470.80	44.7	Pass
L32	45.58 - 43	Pole	TP44.0718x43.6073x0.6438	32	-47.35	5529.95	44.9	Pass
L33	43 - 42.75	Pole	TP44.1168x44.0718x0.6938	33	-47.52	5958.75	41.8	Pass
L34	42.75 - 42.5	Pole	TP44.1618x44.1168x0.6938	34	-47.68	5964.92	41.8	Pass
L35	42.5 - 42.25	Pole	TP44.2068x44.1618x0.7813	35	-47.85	6710.63	37.4	Pass
L36	42.25 - 42	Pole	TP44.2518x44.2068x0.7813	36	-48.01	6717.58	37.4	Pass
L37	42 - 41.75	Pole	TP44.2968x44.2518x0.6813	37	-48.16	5877.33	42.6	Pass
L38	41.75 - 36.75	Pole	TP45.1969x44.2968x0.6813	38	-51.02	5998.63	43.0	Pass
L39	36.75 - 32	Pole	TP46.052x45.1969x0.6688	39	-53.78	6003.33	44.1	Pass
L40	32 - 31.75	Pole	TP46.097x46.052x0.7188	40	-53.94	6451.44	41.2	Pass
L41	31.75 - 26.75	Pole	TP46.9972x46.097x0.7063	41	-57.01	6466.74	42.2	Pass
L42	26.75 - 21.75	Pole	TP47.8973x46.9972x0.7063	42	-60.11	6592.49	42.5	Pass
L43	21.75 - 18	Pole	TP48.5724x47.8973x0.7063	43	-62.63	6686.80	42.7	Pass
L44	18 - 17.75	Pole	TP48.6174x48.5724x0.7063	44	-62.81	6693.09	42.7	Pass
L45	17.75 - 9.92	Pole	TP50.027x48.6174x0.7063	45	-63.31	6711.95	42.7	Pass
L46	9.92 - 8.92	Pole	TP49.3943x47.9398x0.6625	46	-71.82	6385.56	47.4	Pass
L47	8.92 - 3.92	Pole	TP50.2944x49.3943x0.6625	47	-75.09	6503.50	47.6	Pass
L48	3.92 - 2.75	Pole	TP50.505x50.2944x0.6625	48	-75.87	6531.10	47.7	Pass
L49	2.75 - 2.5	Pole	TP50.55x50.505x0.7125	49	-76.04	7023.31	44.4	Pass
L50	2.5 - 0	Pole	TP51x50.55x0.7125	50	-77.65	7086.73	44.5	Pass
							Summary	
						Pole (L26)	76.2	Pass
						RATING =	**76.2**	**Pass**

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

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1-3/4" TO 154 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1-5/8" TO 162 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 144 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
Q4
Q1
Q3
Q2
(PROPOSED EQUIPMENT CONFIGURATION)
(6) 1-1/4" TO 174 FT LEVEL
(1) 1-5/8" TO 174 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 3/8" TO 162 FT LEVEL
(2) 5/8" TO 162 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 162 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 807132

Work Order: 2247615

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Pole Geometry

	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	175	29.5	4.5	12	22.125	27.435	0.21875	Auto	A572-65
2	150	54.5	5.5	12	26.19	35.997	0.3125	Auto	A572-65
3	101	54.42	6.42	12	34.38	44.177	0.375	Auto	A572-65
4	53	43.08	7.08	12	42.27	50.027	0.4063	Auto	A572-65
5	17	17	0	12	47.94	51	0.4375	Auto	A572-65

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
1	2.75	18	channel	MP3-05; (1) (1.1875)_1	1			o									
2	2.75	18	channel	MP3-05; (1) (1.1875)_2	2							o				o	
3	18	43	channel	MP3-05; (1) (1.1875)_2	1									o			
4	18	43	channel	MP3-05; (1) (1.1875)_1	1					o							
5	18	42.5	channel	MP3-05; (1) (1.1875)_2	1	o											
6	42	64	channel	MP3-04; (1) (1.21875)_1	3			o				o				o	
7	2.75	32	plate	CCI-AFP-065125	2								o				o
8	2.75	12	plate	CCI-AFP-065125	1					o							
9	14	32	plate	CCI-AFP-065125	1				o								
10	32	65.5	plate	CCI-AFP-060100	3				o				o				o
11	65.5	83.17	plate	CCI-AFP-060100	3				o				o				o
12	0	2.75	plate	FP 1.25 x 6.5_1	3	c					o				o		
13	0	2.75	plate	FP 1.25 x 3.75_1	3			o				o				o	
14																	

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 (in2)	Bolt Hole Size (in)	Reinforcement Material
1	5.33	2.09	5.65	0.79	Capacity Input	n/a	Capacity Input	n/a	18.000	5.025	1.1875	A572-65
2	5.33	2.09	5.65	0.79	Capacity Input	n/a	Capacity Input	n/a	18.000	5.025	1.1875	A572-65
3	5.33	2.09	5.65	0.79	Capacity Input	n/a	Capacity Input	n/a	18.000	5.025	1.1875	A572-65
4	5.33	2.09	5.65	0.79	Capacity Input	n/a	Capacity Input	n/a	18.000	5.025	1.1875	A572-65
5	5.33	2.09	5.65	0.79	Capacity Input	n/a	Capacity Input	n/a	18.000	5.025	1.1875	A572-65
6	4.7756	1.6142	4.0946	0.6054	Capacity Input	n/a	Capacity Input	n/a	18.000	3.550	1.2188	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	PC 8.8 - M20 (100)	42.000	19.000	6.563	1.1875	A572-65
8	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	PC 8.8 - M20 (100)	42.000	19.000	6.563	1.1875	A572-65
9	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	PC 8.8 - M20 (100)	42.000	19.000	6.563	1.1875	A572-65
10	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
11	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
12	1.25	6.5	8.125	3.25	Capacity Input	n/a	Capacity Input	n/a	0.000	8.125	0.0000	A572-65
13	1.25	3.75	4.6875	1.875	Capacity Input	n/a	Capacity Input	n/a	0.000	4.688	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
MP3-05; (1) (1.1875)_1	Top					-	-	-	-	-	-	-	-	291.58
	Bottom	-	-	-	-				-	-		-	-	291.58
MP3-05; (1) (1.1875)_2	Top					-	-	-	-	-	-	-	-	291.58
	Bottom	-	-	-	-				-	-		-	-	291.58
MP3-04; (1) (1.21875)_1	Top					-	-	-	-	-	-	-	-	204.39
	Bottom	-	-	-	-				-	-		-	-	204.39
FP 1.25 x 6.5_1	Top					-	-	-	-	-	-	-	-	420.47
	Bottom	-	-	-	-				-	-		-	-	420.47
FP 1.25 x 3.75_1	Top					-	-	-	-	-	-	-	-	267.33
	Bottom	-	-	-	-				-	-		-	-	267.33

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	175 - 170	5		12	22.125	23.025	0.21875	A572-65	1.000
2	170 - 165	5		12	23.025	23.925	0.21875	A572-65	1.000
3	165 - 160	5		12	23.925	24.825	0.21875	A572-65	1.000
4	160 - 155	5		12	24.825	25.725	0.21875	A572-65	1.000
5	155 - 150	9.5	4.5	12	25.725	27.435	0.21875	A572-65	1.000
6	150 - 145	5		12	26.188	27.087	0.3125	A572-65	1.000
7	145 - 140	5		12	27.087	27.987	0.3125	A572-65	1.000
8	140 - 135	5		12	27.987	28.887	0.3125	A572-65	1.000
9	135 - 130	5		12	28.887	29.787	0.3125	A572-65	1.000
10	130 - 125	5		12	29.787	30.687	0.3125	A572-65	1.000
11	125 - 120	5		12	30.687	31.587	0.3125	A572-65	1.000
12	120 - 115	5		12	31.587	32.487	0.3125	A572-65	1.000
13	115 - 110	5		12	32.487	33.387	0.3125	A572-65	1.000
14	110 - 105	5		12	33.387	34.287	0.3125	A572-65	1.000
15	105 - 101	9.5	5.5	12	34.287	35.997	0.3125	A572-65	1.000
16	101 - 94.5	6.5		12	34.382	35.552	0.375	A572-65	1.000
17	94.5 - 89.5	5		12	35.552	36.452	0.375	A572-65	1.000
18	89.5 - 84.5	5		12	36.452	37.352	0.375	A572-65	1.000
19	84.5 - 83.17	1.33		12	37.352	37.591	0.375	A572-65	1.000
20	83.17 - 82.92	0.25		12	37.591	37.636	0.375	A572-65	1.000
21	82.92 - 77.92	5		12	37.636	38.536	0.375	A572-65	1.000
22	77.92 - 72.92	5		12	38.536	39.436	0.375	A572-65	1.000
23	72.92 - 67.92	5		12	39.436	40.336	0.375	A572-65	1.000
24	67.92 - 65.5	2.42		12	40.336	40.772	0.375	A572-65	1.000
25	65.5 - 65.25	0.25		12	40.772	40.817	0.375	A572-65	1.000
26	65.25 - 64	1.25		12	40.817	41.042	0.375	A572-65	1.000
27	64 - 63.75	0.25		12	41.042	41.087	0.625	A572-65	0.976
28	63.75 - 58.75	5		12	41.087	41.987	0.625	A572-65	0.968
29	58.75 - 53.75	5		12	41.987	42.886	0.6125	A572-65	0.979
30	53.75 - 53	7.17	6.42	12	42.886	44.177	0.6125	A572-65	0.978
31	53 - 45.58	7.42		12	42.272	43.607	0.6438	A572-65	0.975
32	45.58 - 43	2.58		12	43.607	44.072	0.6438	A572-65	0.971
33	43 - 42.75	0.25		12	44.072	44.117	0.6938	A572-65	1.019
34	42.75 - 42.5	0.25		12	44.117	44.162	0.6938	A572-65	1.018
35	42.5 - 42.25	0.25		12	44.162	44.207	0.7813	A572-65	0.957
36	42.25 - 42	0.25		12	44.207	44.252	0.7813	A572-65	0.957
37	42 - 41.75	0.25		12	44.252	44.297	0.6813	A572-65	0.966
38	41.75 - 36.75	5		12	44.297	45.197	0.6813	A572-65	0.958
39	36.75 - 32	4.75		12	45.197	46.052	0.6688	A572-65	0.969
40	32 - 31.75	0.25		12	46.052	46.097	0.7188	A572-65	0.963
41	31.75 - 26.75	5		12	46.097	46.997	0.7063	A572-65	0.972
42	26.75 - 21.75	5		12	46.997	47.897	0.7063	A572-65	0.965
43	21.75 - 18	3.75		12	47.897	48.572	0.7063	A572-65	0.959
44	18 - 17.75	0.25		12	48.572	48.617	0.7063	A572-65	0.959
45	17.75 - 17	7.83	7.08	12	48.617	50.027	0.7063	A572-65	0.958
46	17 - 8.92	8.08		12	47.940	49.394	0.6625	A572-65	1.062
47	8.92 - 3.92	5		12	49.394	50.294	0.6625	A572-65	1.054
48	3.92 - 2.75	1.17		12	50.294	50.505	0.6625	A572-65	1.053
49	2.75 - 2.5	0.25		12	50.505	50.550	0.7125	A572-65	0.954
50	2.5 - 0	2.5		12	50.550	51.000	0.7125	A572-65	0.951

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	175 - 170	4.48	35.90	7.27
2	170 - 165	4.80	73.26	7.67
3	165 - 160	8.18	131.81	11.28
4	160 - 155	8.58	189.33	11.74
5	155 - 150	11.96	260.32	14.99
6	150 - 145	12.91	336.63	15.53
7	145 - 140	17.14	428.35	19.22
8	140 - 135	17.88	525.57	19.67
9	135 - 130	18.65	625.03	20.12
10	130 - 125	19.44	726.69	20.56
11	125 - 120	20.26	830.51	20.99
12	120 - 115	21.12	936.47	21.41
13	115 - 110	21.99	1044.52	21.83
14	110 - 105	22.90	1154.62	22.23
15	105 - 101	23.64	1244.14	22.55
16	101 - 94.5	25.76	1392.84	23.21
17	94.5 - 89.5	26.86	1509.82	23.60
18	89.5 - 84.5	28.07	1628.76	24.00
19	84.5 - 83.17	28.47	1660.74	24.11
20	83.17 - 82.92	28.56	1666.77	24.14
21	82.92 - 77.92	30.07	1788.32	24.52
22	77.92 - 72.92	31.63	1911.83	24.90
23	72.92 - 67.92	33.21	2037.22	25.28
24	67.92 - 65.5	33.98	2098.57	25.46
25	65.5 - 65.25	34.09	2104.94	25.48
26	65.25 - 64	34.54	2136.82	25.57
27	64 - 63.75	34.67	2143.22	25.60
28	63.75 - 58.75	37.10	2272.27	26.05
29	58.75 - 53.75	39.57	2403.58	26.49
30	53.75 - 53	39.94	2423.47	26.55
31	53 - 45.58	45.86	2623.33	27.31
32	45.58 - 43	47.36	2694.04	27.53
33	43 - 42.75	47.52	2700.93	27.56
34	42.75 - 42.5	47.68	2707.82	27.59
35	42.5 - 42.25	47.85	2714.71	27.61
36	42.25 - 42	48.01	2721.61	27.63
37	42 - 41.75	48.16	2728.52	27.65
38	41.75 - 36.75	51.02	2867.66	28.04
39	36.75 - 32	53.78	3001.60	28.38
40	32 - 31.75	53.94	3008.70	28.41
41	31.75 - 26.75	57.01	3151.50	28.74
42	26.75 - 21.75	60.11	3296.01	29.08
43	21.75 - 18	62.63	3405.52	29.35
44	18 - 17.75	62.81	3412.86	29.37
45	17.75 - 17	63.31	3434.92	29.41
46	17 - 8.92	71.82	3675.58	30.08
47	8.92 - 3.92	75.09	3826.73	30.35
48	3.92 - 2.75	75.87	3862.29	30.42
49	2.75 - 2.5	76.04	3869.90	30.41
50	2.5 - 0	77.65	3946.18	30.57

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
175 - 170	Pole	TP23.025x22.125x0.2188	Pole	7.3%	Pass
170 - 165	Pole	TP23.925x23.025x0.2188	Pole	13.5%	Pass
165 - 160	Pole	TP24.825x23.925x0.2188	Pole	22.9%	Pass
160 - 155	Pole	TP25.725x24.825x0.2188	Pole	30.7%	Pass
155 - 150	Pole	TP27.435x25.725x0.2188	Pole	40.2%	Pass
150 - 145	Pole	TP27.087x26.188x0.3125	Pole	30.9%	Pass
145 - 140	Pole	TP27.987x27.087x0.3125	Pole	37.3%	Pass
140 - 135	Pole	TP28.887x27.987x0.3125	Pole	43.1%	Pass
135 - 130	Pole	TP29.787x28.887x0.3125	Pole	48.6%	Pass
130 - 125	Pole	TP30.687x29.787x0.3125	Pole	53.6%	Pass
125 - 120	Pole	TP31.587x30.687x0.3125	Pole	58.3%	Pass
120 - 115	Pole	TP32.487x31.587x0.3125	Pole	62.8%	Pass
115 - 110	Pole	TP33.387x32.487x0.3125	Pole	66.9%	Pass
110 - 105	Pole	TP34.287x33.387x0.3125	Pole	70.8%	Pass
105 - 101	Pole	TP35.997x34.287x0.3125	Pole	73.8%	Pass
101 - 94.5	Pole	TP35.552x34.382x0.375	Pole	62.8%	Pass
94.5 - 89.5	Pole	TP36.452x35.552x0.375	Pole	65.2%	Pass
89.5 - 84.5	Pole	TP37.352x36.452x0.375	Pole	67.6%	Pass
84.5 - 83.17	Pole	TP37.591x37.352x0.375	Pole	68.2%	Pass
83.17 - 82.92	Pole	TP37.636x37.591x0.375	Pole	68.3%	Pass
82.92 - 77.92	Pole	TP38.536x37.636x0.375	Pole	70.5%	Pass
77.92 - 72.92	Pole	TP39.436x38.536x0.375	Pole	72.6%	Pass
72.92 - 67.92	Pole	TP40.336x39.436x0.375	Pole	74.5%	Pass
67.92 - 65.5	Pole	TP40.772x40.336x0.375	Pole	75.5%	Pass
65.5 - 65.25	Pole	TP40.817x40.772x0.375	Pole	75.6%	Pass
65.25 - 64	Pole	TP41.042x40.817x0.375	Pole	76.0%	Pass
64 - 63.75	Pole + Reinf.	TP41.087x41.042x0.625	Reinf. 10 Tension Rupture	63.9%	Pass
63.75 - 58.75	Pole + Reinf.	TP41.987x41.087x0.625	Reinf. 10 Tension Rupture	65.5%	Pass
58.75 - 53.75	Pole + Reinf.	TP42.886x41.987x0.6125	Reinf. 10 Tension Rupture	66.9%	Pass
53.75 - 53	Pole + Reinf.	TP44.177x42.886x0.6125	Reinf. 10 Tension Rupture	67.1%	Pass
53 - 45.58	Pole + Reinf.	TP43.607x42.272x0.6438	Reinf. 10 Tension Rupture	67.7%	Pass
45.58 - 43	Pole + Reinf.	TP44.072x43.607x0.6438	Reinf. 10 Tension Rupture	68.3%	Pass
43 - 42.75	Pole + Reinf.	TP44.117x44.072x0.6938	Reinf. 10 Tension Rupture	66.0%	Pass
42.75 - 42.5	Pole + Reinf.	TP44.162x44.117x0.6938	Reinf. 10 Tension Rupture	66.0%	Pass
42.5 - 42.25	Pole + Reinf.	TP44.207x44.162x0.7813	Reinf. 10 Tension Rupture	56.9%	Pass
42.25 - 42	Pole + Reinf.	TP44.252x44.207x0.7813	Reinf. 10 Tension Rupture	57.0%	Pass
42 - 41.75	Pole + Reinf.	TP44.297x44.252x0.6813	Reinf. 10 Tension Rupture	64.9%	Pass
41.75 - 36.75	Pole + Reinf.	TP45.197x44.297x0.6813	Reinf. 10 Tension Rupture	66.0%	Pass
36.75 - 32	Pole + Reinf.	TP46.052x45.197x0.6688	Reinf. 10 Tension Rupture	67.0%	Pass
32 - 31.75	Pole + Reinf.	TP46.097x46.052x0.7188	Reinf. 9 Tension Rupture	61.7%	Pass
31.75 - 26.75	Pole + Reinf.	TP46.997x46.097x0.7063	Reinf. 9 Tension Rupture	62.7%	Pass
26.75 - 21.75	Pole + Reinf.	TP47.897x46.997x0.7063	Reinf. 9 Tension Rupture	63.6%	Pass
21.75 - 18	Pole + Reinf.	TP48.572x47.897x0.7063	Reinf. 9 Tension Rupture	64.3%	Pass
18 - 17.75	Pole + Reinf.	TP48.617x48.572x0.7063	Reinf. 9 Tension Rupture	64.3%	Pass
17.75 - 17	Pole + Reinf.	TP50.027x48.617x0.7063	Reinf. 9 Tension Rupture	64.5%	Pass
17 - 8.92	Pole + Reinf.	TP49.394x47.94x0.6625	Reinf. 1 Compression	68.0%	Pass
8.92 - 3.92	Pole + Reinf.	TP50.294x49.394x0.6625	Reinf. 1 Compression	68.7%	Pass
3.92 - 2.75	Pole + Reinf.	TP50.505x50.294x0.6625	Reinf. 1 Connection	68.8%	Pass
2.75 - 2.5	Pole + Reinf.	TP50.55x50.505x0.7125	Reinf. 12 Connection	66.7%	Pass
2.5 - 0	Pole + Reinf.	TP51x50.55x0.7125	Reinf. 12 Connection	67.1%	Pass
				Summary	
			Pole	76.0%	Pass
			Reinforcement	68.8%	Pass
			Overall	76.0%	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	R7	R8	R9	R10	R11	R12	R13
175 - 170	1068	n/a	1068	16.04	n/a	16.04	7.3%													
170 - 165	1199	n/a	1199	16.67	n/a	16.67	13.5%													
165 - 160	1341	n/a	1341	17.31	n/a	17.31	22.9%													
160 - 155	1494	n/a	1494	17.94	n/a	17.94	30.7%													
155 - 150	1658	n/a	1658	18.57	n/a	18.57	40.2%													
150 - 145	2469	n/a	2469	26.90	n/a	26.90	30.9%													
145 - 140	2726	n/a	2726	27.81	n/a	27.81	37.3%													
140 - 135	3001	n/a	3001	28.71	n/a	28.71	43.1%													
135 - 130	3293	n/a	3293	29.62	n/a	29.62	48.6%													
130 - 125	3604	n/a	3604	30.52	n/a	30.52	53.6%													
125 - 120	3934	n/a	3934	31.43	n/a	31.43	58.3%													
120 - 115	4284	n/a	4284	32.33	n/a	32.33	62.8%													
115 - 110	4653	n/a	4653	33.23	n/a	33.23	66.9%													
110 - 105	5044	n/a	5044	34.14	n/a	34.14	70.8%													
105 - 101	5371	n/a	5371	34.86	n/a	34.86	73.8%													
101 - 94.5	6718	n/a	6718	42.42	n/a	42.42	62.8%													
94.5 - 89.5	7247	n/a	7247	43.50	n/a	43.50	65.2%													
89.5 - 84.5	7803	n/a	7803	44.59	n/a	44.59	67.6%													
84.5 - 83.17	7955	n/a	7955	44.87	n/a	44.87	68.2%													
83.17 - 82.92	7984	n/a	7984	44.93	n/a	44.93	68.3%													
82.92 - 77.92	8577	n/a	8577	46.01	n/a	46.01	70.5%													
77.92 - 72.92	9198	n/a	9198	47.10	n/a	47.10	72.6%													
72.92 - 67.92	9848	n/a	9848	48.18	n/a	48.18	74.5%													
67.92 - 65.5	10174	n/a	10174	48.71	n/a	48.71	75.5%													
65.5 - 65.25	10208	n/a	10208	48.76	n/a	48.76	75.6%													
65.25 - 64	10379	n/a	10379	49.03	n/a	49.03	76.0%													
64 - 63.75	10414	6767	17181	49.09	30.28	79.37	44.7%						61.2%				63.9%			
63.75 - 58.75	11120	7057	18177	50.17	30.28	80.46	46.2%						62.6%				65.5%			
58.75 - 53.75	11857	7354	19211	51.26	30.28	81.54	47.7%						64.0%				66.9%			
53.75 - 53	11970	7399	19369	51.42	30.28	81.71	47.9%						64.2%				67.1%			
53 - 45.58	13482	7596	21078	56.44	30.28	86.72	47.0%						64.8%				67.7%			
45.58 - 43	13922	7754	21675	57.05	30.28	87.33	47.7%						65.4%				68.3%			
43 - 42.75	14045	9560	23605	57.10	41.58	98.69	47.0%			53.2%	53.2%		58.4%				66.0%			
42.75 - 42.5	14088	9579	23668	57.16	41.58	98.75	47.1%			53.3%	53.3%		58.5%				66.0%			
42.5 - 42.25	14051	12252	26304	57.22	47.23	104.46	39.8%			53.1%	53.1%	53.1%	54.5%				56.9%			
42.25 - 42	14094	12277	26371	57.28	47.23	104.51	39.8%			53.2%	53.2%	53.2%	54.5%				57.0%			
42 - 41.75	14138	9114	23252	57.34	34.95	92.29	45.3%			60.5%	60.5%	60.5%					64.9%			
41.75 - 36.75	15026	9476	24502	58.52	34.95	93.47	46.5%			61.6%	61.6%	61.6%					66.0%			
36.75 - 32	15903	9827	25730	59.63	34.95	94.58	47.7%			62.5%	62.5%	62.5%					67.0%			
32 - 31.75	15950	11702	27652	59.69	41.33	101.02	44.5%			58.4%	58.4%	58.4%		61.7%		61.7%				
31.75 - 26.75	16911	12147	29059	60.87	41.33	102.19	45.7%			59.3%	59.3%	59.3%		62.7%		62.7%				
26.75 - 21.75	17910	12602	30512	62.04	41.33	103.37	46.8%			60.2%	60.2%	60.2%		63.6%		63.6%				
21.75 - 18	18685	12948	31633	62.92	41.33	104.25	47.7%			60.8%	60.8%	60.8%		64.3%		64.3%				
18 - 17.75	18738	12971	31708	62.98	41.33	104.31	47.7%	60.9%	60.9%					64.3%		64.3%				
17.75 - 17	18895	13041	31936	63.16	41.33	104.49	47.9%	61.0%	61.0%					64.5%		64.5%				
17 - 8.92	21159	10701	31860	68.87	41.33	110.19	51.9%	68.0%	59.9%					65.5%	62.8%					
8.92 - 3.92	22347	11081	33429	70.14	41.33	111.46	52.9%	68.7%	60.6%					66.2%	63.5%					
3.92 - 2.75	22631	11171	33803	70.43	41.33	111.76	53.1%	68.8%	60.8%					66.4%	63.7%					
2.75 - 2.5	22675	13755	36430	70.49	38.44	108.93	50.1%												66.7%	59.7%
2.5 - 0	23291	13977	37267	71.13	38.44	109.57	50.6%												67.1%	60.0%

Note: Section capacity checked using 5 degree increments.

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

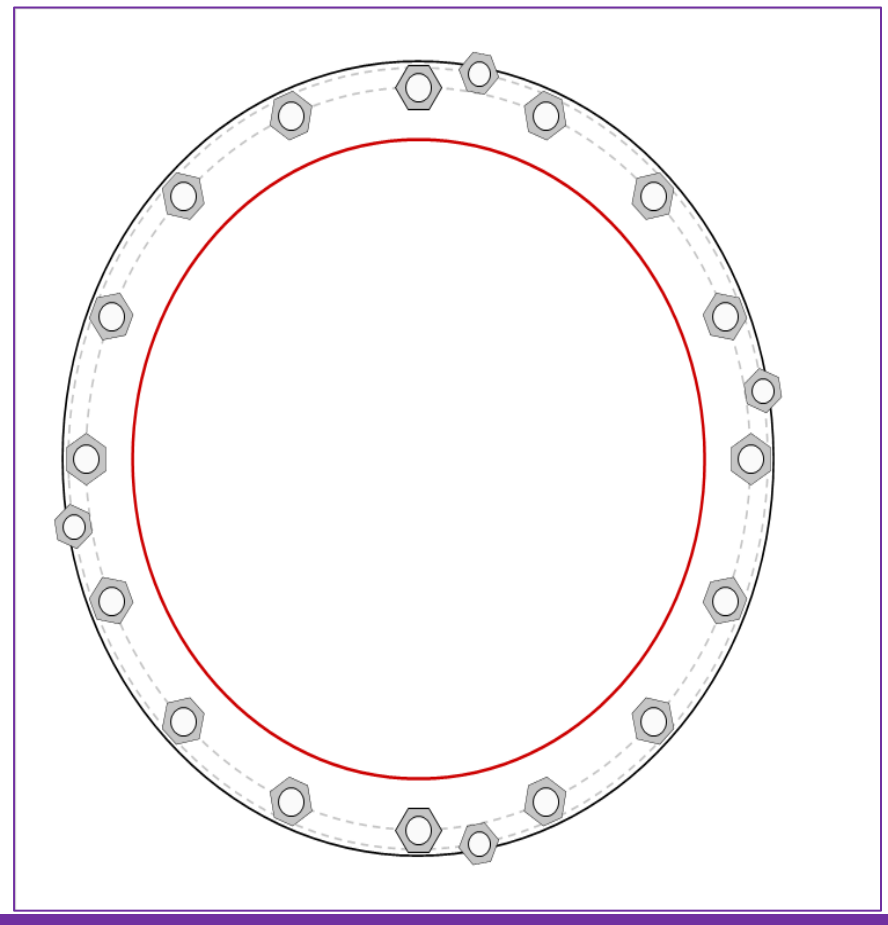
Monopole Base Plate Connection

Site Info	
BU #	807132
Site Name	BRG 133 943050
Order #	654636 - Rev. 0

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

Applied Loads	
Moment (kip-ft)	3946.18
Axial Force (kips)	77.65
Shear Force (kips)	30.57

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 59.3" BC
GROUP 2: (4) 2" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 62.5" BC
pos. (deg): 10, 80, 190, 280

Base Plate Data

63.5" OD x 2.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

51" x 0.4375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 166.46	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.91	ϕVn = 149.1	**65.0%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 134.35	ϕPn_t = 234.38	**Stress Rating**
Vu = 0	ϕVn = 147.26	**54.6%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	23.59	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**41.6%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

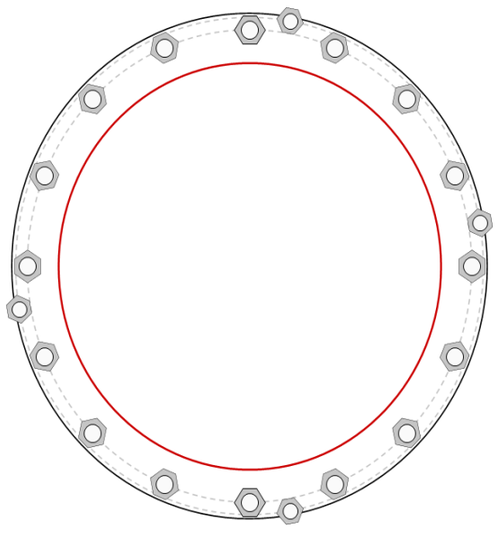
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	59.3	0.5	1.5	N-Included		No
2	1	22.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
3	1	45	2.25	A615-75	59.3	0.5	1.5	N-Included		No
4	1	67.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
5	1	90	2.25	A615-75	59.3	0.5	1.5	N-Included		No
6	1	112.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
7	1	135	2.25	A615-75	59.3	0.5	1.5	N-Included		No
8	1	157.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
9	1	180	2.25	A615-75	59.3	0.5	1.5	N-Included		No
10	1	202.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
11	1	225	2.25	A615-75	59.3	0.5	1.5	N-Included		No
12	1	247.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
13	1	270	2.25	A615-75	59.3	0.5	1.5	N-Included		No
14	1	292.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
15	1	315	2.25	A615-75	59.3	0.5	1.5	N-Included		No
16	1	337.5	2.25	A615-75	59.3	0.5	1.5	N-Included		No
17	2	10	2	A193 Gr. B7	62.5	0.5	1.5	N-Included		No
18	2	80	2	A193 Gr. B7	62.5	0.5	1.5	N-Included		No
19	2	190	2	A193 Gr. B7	62.5	0.5	1.5	N-Included		No
20	2	280	2	A193 Gr. B7	62.5	0.5	1.5	N-Included		No

Plot Graphic



Drilled Pier Foundation

BU # :	807132
Site Name:	BRG 133 943050
Order Number:	654636 - Rev. 0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	3946.17	
Axial Force (kips)	77.66	
Shear Force (kips)	30.54	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	30	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 10' below grade		
Pier Diameter	7	ft
Rebar Quantity	24	
Rebar Size	14	
Clear Cover to Ties	3	in
Tie Size	6	
Tie Spacing	10	in

Rebar & Pier Options
Embedded Pole Inputs
Belled Pier Inputs

Pier Section 2		
From 10' below grade to 30' below grade		
Pier Diameter	7	ft
Rebar Quantity	24	
Rebar Size	14	
Clear Cover to Ties	3	in
Tie Size		
Tie Spacing		in

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	9.06	-
Soil Safety Factor	23.02	-
Max Moment (kip-ft)	4193.52	-
Rating*	*5.5%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	2312.86	-
End Bearing (kips)	1711.31	-
Weight of Concrete (kips)	211.28	-
Total Capacity (kips)	4024.17	-
Axial (kips)	288.94	-
Rating*	*6.8%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	8.75	-
Critical Moment (kip-ft)	4191.83	-
Critical Moment Capacity	8223.01	-
Rating*	*48.5%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	19.78	-
Critical Shear (kip)	388.00	-
Critical Shear Capacity	525.67	-
Rating*	*70.3%*	-

Structural Foundation Rating*	**70.3%**
Soil Interaction Rating*	**6.8%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

Groundwater Depth	N/A	# of Layers	7

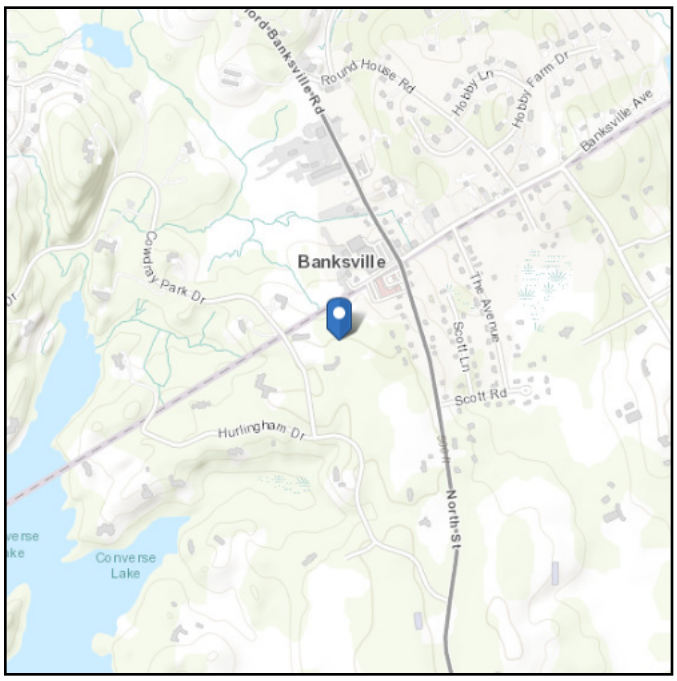
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	3.3	1.3	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.3	4	0.7	115	150	0	30	0.000	0.000	0.00	0.00			Cohesionless
4	4	5	1	125	150	0	35	0.000	0.000	0.00	0.00			Cohesionless
5	5	8	3	125	150	0	35	0.000	0.000	0.93	0.93			Cohesionless
6	8	10	2	170	150	15	0	6.750	6.750	1.22	1.22			Cohesive
7	10	30	20	170	150	15	0	6.75	6.75			54.6		Cohesive

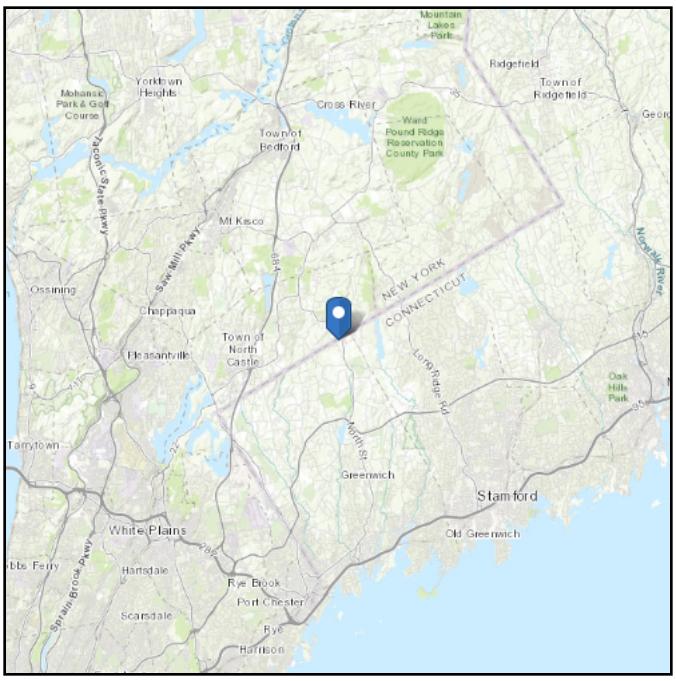
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Latitude: 41.139306
Longitude: -73.641817
Elevation: 502.51 ft (NAVD 88)





Wind

Results:

Wind Speed	115 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue May 09 2023

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

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

Seismic

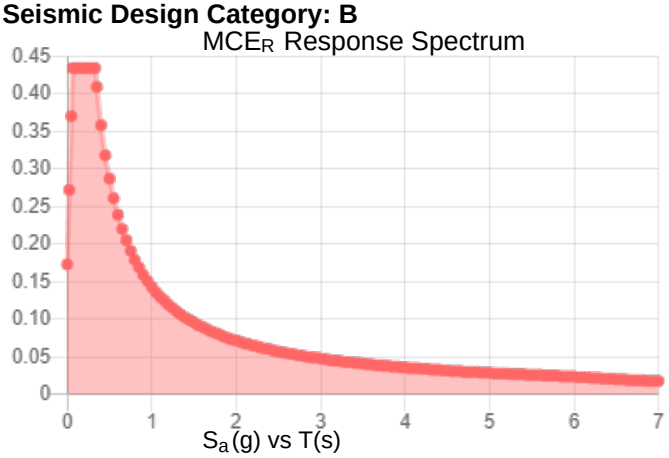
D - Default (see Section 11.4.3)

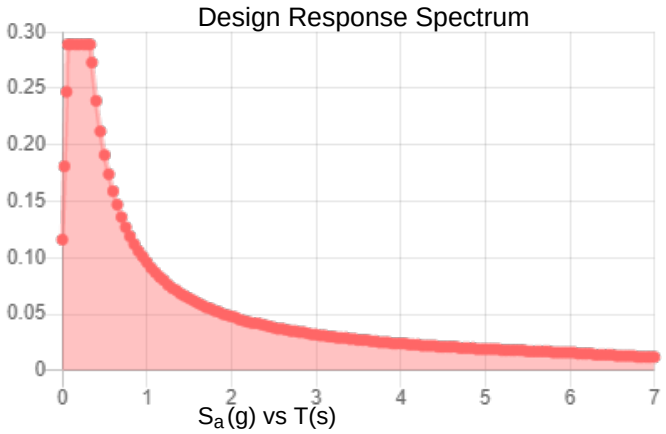
Site Soil Class:

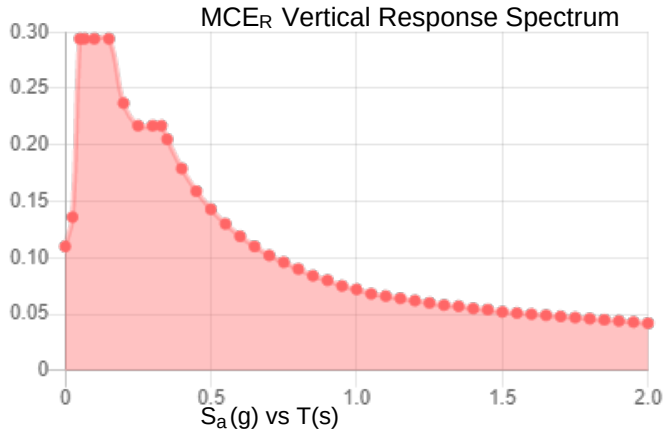
Results:

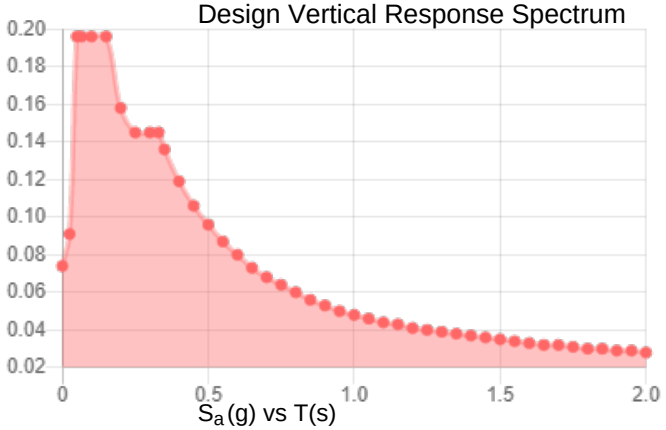
S_S :	0.274	S_{D1} :	0.096
S_1 :	0.06	T_L :	6
F_a :	1.581	PGA :	0.167
F_v :	2.4	PGA_M :	0.245
S_{MS} :	0.434	F_{PGA} :	1.466
S_{M1} :	0.143	I_e :	1
S_{DS} :	0.289	C_v :	0.849

Seismic Design Category: B









Data Accessed: **Tue May 09 2023**

Date Source:

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue May 09 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.

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