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

August 29, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #876337_Crown_VZW
30 Short Hills Road (aka 1 Gouvna Hills Road), Old Lyme, CT 06371
Latitude: 41.31878 / Longitude: -72.27072

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 30 Short Hills Road (aka 1 Gouvna Hills Road), Old Lyme, CT 06371. The property is owned by Gouvna Group LLC and the tower is owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 161-foot level of the tower of the 180-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

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

A copy of the original decision was not able to be located despite much research. The original Building Permit, dated April 21, 1997, constitutes the original zoning approval. I reached out to the Town of Old Lyme Building Inspector Mark Wayland and he sent me approved permits from the Zoning, Health and Building Department. Please see the attached supporting documents.

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 Timothy Griswold and Land Use Coordinator Eric Knapp Michael for the municipality. A copy is also being sent to Gouvna Group LLC as the property owner and Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

1. The proposed modifications will not require the extension of the site boundary.
2. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
3. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.

4. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
5. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

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

Attachments
cc:

First Selectman Timothy Griswold
Town of Old Lyme
52 Lyme Street
Old Lyme, CT 06371
860-434-1605

Eric Knapp, Land Use Coordinator
Town of Old Lyme
52 Lyme Street
Old Lyme, CT 06371
860-434-1605

Gouvna Group LLC, Property Owner
107 Brock Hills Road
Grafton, NH 03240
860-434-2710

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773127629591: Your package has been delivered
Date: Tuesday, August 29, 2023 9:46:56 AM

Hi. Your package was delivered Tue, 08/29/2023 at 9:39am.

Delivered to 52 LYME ST, OLD LYME, CT 06371
Received by M.KNAPP

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773127629591

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Old Lyme First Selectman Timothy Griswold 52 Lyme Street OLD LYME, CT, US, 06371
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/28/2023 06:04 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	OLD LYME, CT, US, 06371
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 773127639320: Your package has been delivered
Date: Tuesday, August 29, 2023 9:47:08 AM

Hi. Your package was delivered Tue, 08/29/2023 at 9:39am.

Delivered to 52 LYME ST, OLD LYME, CT 06371
Received by M.KNAPP

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773127639320

FROM Crown Castle
1800 West Park Drive

Suite 200
WESTBOROUGH, MA, US, 01581

TO	Town of Old Lyme Eric Knapp, Land Use Coordinator 52 Lyme Street OLD LYME, CT, US, 06371
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/28/2023 06:04 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	OLD LYME, CT, US, 06371
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773127658360: Your package has been delivered
Date: Wednesday, August 30, 2023 1:27:02 PM

Hi. Your package was delivered Mon, 08/28/2023 at 1:11pm.

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	773127658360
FROM	WESTBOROUGH, MA, US
TO	GRAFTON, NH, US
SHIP DATE	Mon 8/28/2023 01:11 PM

PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US
DESTINATION	GRAFTON, NH, US
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

FOLLOW FEDEX

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:26 PM CDT 08/30/2023.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see

From: Mark Wayland
To: Tatasciore, Domenica
Cc: Liz Hoffmann
Subject: RE: 1 Gouvna Hills Rd (aka 30 Short Hills Rd) - Cell tower decision
Date: Monday, August 21, 2023 11:07:55 AM
Attachments: Zoning #1.pdf
Building #1.pdf
Health #1.pdf

Hi there, I'm not sure what your looking for so I included our paper files for the address.

Please see attached for paper record files.
For all building permits records search as of 1/1/2020 use the following link: https://www.oldlyme-ct.gov/building-department/links/building-permit-records-search-112020

Mark Wayland
Town of Old Lyme Building Official
52 Lyme Street, Old Lyme CT 06371
860-434-1605 ext. 213
mwayland@oldlyme-ct.gov

From: Tatasciore, Domenica <Domenica.Tatasciore@crowncastle.com>
Sent: Monday, August 21, 2023 10:17 AM
To: Mark Wayland <mwayland@oldlyme-ct.gov>
Cc: Liz Hoffmann <lhoffmann@oldlyme-ct.gov>
Subject: 1 Gouvna Hills Rd (aka 30 Short Hills Rd) - Cell tower decision

Good morning!

I am unable to locate the approval for the cell tower at 1 Gouvna Hills Road (aka 30 Short Hills Rd). My data indicates that it was approved on April 21, 1997 – the database notes say that zoning approval is the building permit. Are you able to confirm this?

Thank you so much!

DOMENICA TATASCIORE
Site Acquisition Specialist

CT08XC104

TOWN OF OLD LYME

BUILDING PERMIT

DATE 04/21/97 PERMIT NO. 11260

APPLICANT: Sprint
ADDRESS: 9 Barnes Industrail Road
Wallingford, CT
CONTR'S LICENSE: _____

OWNER: Gary Yuknat
ADDRESS: 30 Short Hills Road
Old Lyme, CT 06371

PERMIT TO: Satellite Antenna
NO. STORY: ___
PROPOSED USE: Communications Tower
NUMBER OF DWELLING UNITS: ___

AT (LOCATION) 30 Short Hills Road
ZONING DISTRICT LI-80

SUBDIVISION MAP #19, LOT 21
LOT SIZE 106,722 SQ. FT.

BUILDING IS TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION TO TYPE __, USE GROUP ___. BASEMENT WALLS OR FOUNDATION TYPE _____. AREA: 0.0 SQ. FT.

REMARKS: Installation of communications tower, 6 antennas and associated communications equipment as per plans on file.

EST. COST $ 126,000 PERMIT FEE $ 762

BUILDING OFFICIAL

THE PERMIT SHALL BE A LICENSE TO PROCEED WITH THE WORK AND SHALL NOT BE CONSTRUED AS AUTHORITY TO VIOLATE, CANCEL, OR SET ASIDE ANY OF THE PROVISIONS OF THE BUILDING CODE. THIS PERMIT CONVEYS NO RIGHT TO OCCUPY ANY STREET, ALLEY OR SIDEWALK OR ANY PART THEREOF, EITHER TEMPORARILY OR PERMANENTLY. ENCROACHMENTS ON PUBLIC PROPERTY, NOT SPECIFICALLY PERMITTED UNDER THE BUILDING CODE, MUST BE APPROVED BY THE JURISDICTION. THE ISSUANCE OF THIS PERMIT DOES NOT RELEASE THE APPLICANT FROM THE CONDITIONS OF ANY APPLICABLE SUBDIVISION RESTRICTIONS.

MINIMUM OF THREE CALL INSPECTIONS REQUIRED FOR ALL CONSTRUCTION WORK:
1. FOUNDATIONS OR FOOTINGS
2. PRIOR TO COVERING STRUCTURAL MEMBERS (READY TO LATHE).
3. FINAL INSPECTION BEFORE OCCUPANCY.
4. SEE LIST OF REQUIRED INSPECTIONS.

APPROVED PLANS MUST BE RETAINED ON JOB AND THIS CARD KEPT POSTED UNTIL FINAL INSPECTION HAS BEEN MADE. WHERE A CERTIFICATE OF OCCUPANCY IS REQUIRED, SUCH BUILDING SHALL NOT BE OCCUPIED UNTIL FINAL INSPECTION IS MADE AND SUCH PERMIT ISSUED.

WHERE APPLICABLE, SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING AND MECHANICAL INSTALLATIONS.

POST THIS CARD SO IT IS VISIBLE FROM STREET

ALL CONSTRUCTION WASTE AND STUMPS MUST BE REMOVED -- NO ON-SITE DISPOSAL

WORK SHALL NOT PROCEED UNTIL AN INSPECTOR HAS APPROVED THE VARIOUS STAGES OF CONSTRUCTION.

PERMIT WILL BECOME NULL AND VOID IF CONSTRUCTION WORK IS NOT STARTED WITHIN SIX MONTHS OF DATE THE PERMIT IS ISSUED AS NOTED ABOVE.

[redacted]

CT03XC104

TOWN OF OLD LYME BUILDING PERMIT ****** APPLICANT COPY ******

DATE 04/21/97 TOTAL FEE $ 762

PERMIT NO. 11260 HOW PAID Check

APPLICANT: Sprint OWNER: Gary Yuknat
ADDRESS: 9 Barnes Industrail Road ADDRESS: 30 Short Hills Road
Wallingford, CT Old Lyme, CT 06371
CONTR'S LICENSE: _____

TYPE OF IMPROVEMENT: Satellite Antenna
NO. STORY: __
PROPOSED USE: Communications Tower
NUMBER OF DWELLING UNITS: __

AT (LOCATION): 30 Short Hills Road ASSESSOR'S MAP #19, LOT 21
ZONING DISTRICT: LI-80 LOT SIZE 106,722 SQ. FT.

BUILDING IS TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION TO TYPE __, USE GROUP ___. BASEMENT WALLS OR FOUNDATION TYPE _____. AREA: 0.0 SQ. FT.

REMARKS: Installation of communications tower, 6 antennas and associated communications equipment as per plans on file.

ESTIMATED COST: $ 126,000
PERMIT FEE: $ 762

BUILDING OFFICIAL

ALL CONSTRUCTION WASTE AND STUMPS MUST BE REMOVED -- NO ON-SITE DISPOSAL

This permit is granted on the express condition that the said construction shall, in all respects, conform to the Ordinance of this jurisdiction including the Zoning Ordinance, regulating the construction and use of buildings, and may be revoked at any time upon violation of any provisions of said ordinances.

Weatherproof placard given at the time permit is issued must be displayed on premises. The department must be notified and inspection made of prior construction work as requested on weather card. All new buildings and additions and alterations to exisiting buildings require a minimum of three call inspections, namely: (1) Footings, drain tile systems, foundation and basement walls, but before back filling the wall and before proceeding with the superstructures. (2) Framing prior to lathing and plastering, duct work, fire stopping and other equipment before it is concealed. (3) Final inspection when building or structure is completed.

On jobs involving reinforced concrete work, inspection must be made after steel is in place and before concrete is poured. The Department reserves the right to reject any work which has been concealed or completed without first having been inspected and approved by the Department in accordance with the requirements of the various codes. Any deviation from the approved plans must be authorized by the approval of revised plans subject to the same procedure established for the examination of the original plans. An additional permit fee is also charged predicated on the extent of the variation from the original plans. Permits are not valid if construction work is not started within six months from date permit is issued.

Request for Final Inspection should be made by postcard or phone call to this department when the construction work is completed and heating apparatus has been installed. Painting or decorating is not required before the finasl building inspection

Final Inspection and certificate of occupancy must be obtained before occupying building.

[redacted]

Town of Old Lyme

— Inspection Request —

Permit # _____ Owner _____

Location 1 Shawme Hills Rd

_____ Tel # _____

When Needed 2/19/20 Time _____

Footing _____ Insulation _____

Foundation Coating _____ Fireplace Throat _____

Foundation Drains _____ Sheet Rock _____

Framing _____ House Sewer Line _____

Rough Electric _____ Water Line _____

Rough Heat & Test _____ Electrical Trench _____

Rough Plg & Test _____ Temp Electric _____

Gas Piping Test _____ Perm Service _____

Generator FINAL Ok Final CO _____

Year-Round _____ Wood Stove _____

Other ELECTRICAL REHAB OK A/C _____

Other _____ Solar _____

Inspected by Mm Wm Phone (860) 434-1605 / x 230

Comments _____

This building MUST NOT be OCCUPIED in whole, or in part, until a CERTIFICATE OF OCCUPANCY has been obtained from the Building Inspector. Violators will be subject to a $500 per day fine.

TOWN OF OLD LYME

www.oldlyme-ct.gov

BUILDING DEPARTMENT
52 Lyme Street
Old Lyme, CT 06371
building@oldlyme-ct.gov

MECHANICAL/HVAC PERMIT APPLICATION

1 Gouvna Hills rd.

PERMIT # 21-2

PROPERTY ADDRESS: ~~39 Short Hills, Old Lyme, CT 06111,~~ ☐ FLOOD PLAIN

OWNER OF RECORD: Gouvna Group LLC

MAILING ADDRESS: 79-2 Rowland Road

EMAIL: jason.damico@crowncastle.com PHONE: _____ CELL PHONE: 860-209-0104

CITY: Old Lyme STATE: CT ZIPCODE: 06111

TYPE OF INSTALLATION: HEATING ☐ AIR CONDITIONING ☐ VENTILATION ☐ DUCTLESS MINI-SPLIT ☐

TYPE OF SYSTEM: WARM AIR ☐ HYDRO- AIR ☐ HOT WATER ☐ STEAM ☐ GEO-THERMAL ☐ HEAT PUMP ☐

NEW WORK ☑ REPLACEMENT ☐

OIL TANK INSTALATION: GALLONS: _____ LOCATION: _____

DESCRIPTION OF WORK: Set 1 - 500 gallon above ground LPG tank, run gas line to generator, prep for town pressure and inspection test. Return for final connection.

WARM AIR SYSTEM: MAKE AND MODEL OF UNIT: _____

OUTPUT OF UNIT (btu's): _____ OIL ☐ GAS ☐ ELECTRIC ☐ SOLAR ☐ OTHER ☐

BUILDING HEAT LOSS: _____ METHOD USED TO CALCULATE: _____

AIR CONDITIONING SYSTEM: MAKE AND MODEL: _____

ELECTRIC ☐ GAS ☐ ABSORBTION ☐ DUCTLESS MINI-SPLIT ☐ HEAT PUMP ☐ SOLAR ☐ OTHER ☐

BUILDING HEAT GAIN: _____ METHOD USED TO CALCULATE: _____

HOT WATER/ STEAM SYSTEM: MAKE AND MODEL OF BOILER: _____

OUTPUT OF UNIT (btu's): _____ OIL ☐ GAS ☐ ELECTRIC ☐ SOLAR ☐ OTHER ☐

BUILDING HEAT LOSS: _____ METHOD USED TO CALCULATE: _____

OTHER SYSTEM: DESCRIPTION: _____

HEATING CONTRACTOR/ COMPANY: The All-Gas & Equipment Company LIC # HTG.0397949-G1

ADDRESS: 3150 Main Street CITY: Hartford

EMAIL: g.clemmey@allgas.com

STATE: CT ZIP CODE: 06120 PHONE NUMBER: 860-278-2376

SIGNATURE of APPLICANT: _____ DATE: January 1, 2020

Signature states that all work will be State of Connecticut code compliant.

ESTIMATED COST: $ 5,546.00

PERMIT FEE: $ 85.00

CT. ED. FEE: $ 1.46

TOTAL FEES: $ 86.46

Date: _____

Building official approval

Tel. (860) 434-1605 ext. 230 • Fax (860) 434-4135

Pd - ck # 16847

Application Fee: $60 Permit No. 20-08 Fee Paid: $ ✓

Please see directions on reverse.

TOWN OF OLD LYME
Zoning Compliance Permit Application

Property Owner of Record: _____ Phone: _____

Property Address: _____ map: _____ lot: _____ zone: _____

Mailing Address: _____
number street town state zip

Builder: _____ Mailing Address: _____
number street town state zip

A copy of the LL Health District Approval [inc. approved plans] MUST BE ATTACHED _____ OR n/a _____

Existing Status: _____

seasonal___/year round___ dimensions: _____ height: _____ ft. lot size: _____ sq.ft./acres road width: _____

total footprint area: _____ sq. ft. 1st floor area: _____ sq. ft. 2nd floor area: _____ sq. ft. number of bedrooms: _____

Proposal: _____

seasonal___/year round___ dimensions: _____ total footprint area: _____ sq. ft. height: _____ ft.

1st floor area: _____ sq. ft. 2nd floor area: _____ sq. ft. number of bedrooms: _____ Purpose _____

Plot Plan ____/Modified Plot Plan ____ (as described in Section 20.3.4 of the Old Lyme Zoning Regulations) is attached.

By signing this application, the applicant acknowledges that he understands that it is the applicant's responsibility to conform to the Town of Old Lyme's Zoning Regulations and that if the information here provided proves to be false, incomplete, and/or inaccurate, the permit will be revoked. Further, by signing this application, the applicant consents to access to the premises, at reasonable times, by appropriate officials of the Town of Old Lyme for the purpose of evaluating this application prior to its approval; inspections to monitor compliance of any work performed pursuant to any approval of this application; and continuing compliance inspections and monitoring following completion of any work authorized by such approval. This consent shall include the interior of any buildings existing or proposed on the premises, where access to such buildings is reasonably required in order to monitor compliance with applicable regulations of the Town of Old Lyme, any permit issued thereunder, or any conditions of such permit. This consent shall be deemed to run with the land and be binding upon future assignees of the subject permit, and use of such permit by the applicant or its successor(s) shall constitute acceptance of this consent.

Signature of Owner/Applicant: _____ Date: _____

Name/Address: _____ Phone: _____

Office Use Only

1. **A copy of the LL Health District Approval [inc. approved plans] MUST BE ATTACHED _____ OR n/a _____**
   LLHD approved/denied: Patricia Wyers **date:** 1-10-20
2. **Flood Hazard Permit:** panel____ zone____ req'd:___ not req'd:____ exempt:____ comment: _____
3. **Coastal Site Plan Review:** req'd:____ not req'd:____ exempt:____ comment: _____
4. **Water Resource District:** n/a:_____ complies:_____ Conservation Zone: n/a:_____ complies: _____
5. **Historic District:** n/a:____ complies:_____ **Driveway Permit:** req'd:____ not req'd:____ approved: _____
6. **Site Development Plan:** req'd: _____ not req'd:____ approved: _____
7. **Special Permit:** req'd: _____ not req'd:____ approved: _____
8. **Zoning** (foundation/structure): Approved as submitted

_____

_____ approved/denied _____ date: 1/16/20

Variance Application Number: _____ **Effective Date:** _____

Zoning Review: (foundation/structure): _____

_____ approved/denied _____ date: _____

Zoning Review: (foundation/structure): _____

_____ approved/denied _____ date: _____

Certificate of Zoning Compliance: _____

_____ approved/denied _____ date: _____

rev. 1/25/17

Application Fee: $60 **Permit No. 20-08** **Fee Paid: $ ✓**

Please see directions on reverse.

TOWN OF OLD LYME
Zoning Compliance Permit Application

Property Owner of Record: _____ Phone: _____

Property Address: _____ map: _____ lot: _____ zone: _____

Mailing Address: _____
number street town state zip

Builder: _____ Mailing Address: _____
number street town state zip

A copy of the LL Health District Approval [inc. approved plans] MUST BE ATTACHED _____ OR n/a_____

Existing Status: _____

seasonal___/year round___ dimensions: _____ height: _____ ft. lot size: _____ sq.ft./acres road width: _____

total footprint area: _____ sq. ft. 1st floor area: _____ sq. ft. 2nd floor area: _____ sq. ft. number of bedrooms: _____

Proposal: _____

seasonal___/year round___ dimensions: _____ total footprint area: _____ sq. ft. height: _____ ft.

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Plot Plan ____/Modified Plot Plan ____ (as described in Section 20.3.4 of the Old Lyme Zoning Regulations) is attached.

By signing this application, the applicant acknowledges that he understands that it is the applicant's responsibility to conform to the Town of Old Lyme's Zoning Regulations and that if the information here provided proves to be false, incomplete, and/or inaccurate, the permit will be revoked. Further, by signing this application, the applicant consents to access to the premises, at reasonable times, by appropriate officials of the Town of Old Lyme for the purpose of evaluating this application prior to its approval; inspections to monitor compliance of any work performed pursuant to any approval of this application; and continuing compliance inspections and monitoring following completion of any work authorized by such approval. This consent shall include the interior of any buildings existing or proposed on the premises, where access to such buildings is reasonably required in order to monitor compliance with applicable regulations of the Town of Old Lyme, any permit issued thereunder, or any conditions of such permit. This consent shall be deemed to run with the land and be binding upon future assignees of the subject permit, and use of such permit by the applicant or its successor(s) shall constitute acceptance of this consent.

Signature of Owner/Applicant: _____ Date: _____

Name/Address: _____ Phone: _____

Office Use Only

1. **A copy ~~of the LL~~ Health District Approval [inc. approved plans] MUST BE ATTACHED _____ OR n/a_____**
   LLHD approved/denied: Patricia Myers **date:** 1-10-20
2. **Flood Hazard Permit**: panel____ zone____ req'd:____ not req'd:____ exempt:____ comment:_____
3. **Coastal Site Plan Review**: req'd:____ not req'd:____ exempt:____ comment:_____
4. **Water Resource District**: n/a:_____ complies:_____ Conservation Zone: n/a:_____complies:_____
5. **Historic District**: n/a:____ complies:_____ **Driveway Permit**: req'd:____ not req'd:____ approved:_____
6. **Site Development Plan**: req'd:_____ not req'd:____ approved: _____
7. **Special Permit**: req'd:_____ not req'd:____ approved: _____
8. **Zoning** (foundation/structure):_____

_____

_____ approved/denied _____ date:_____

Variance Application Number: _____ **Effective Date:** _____

Zoning Review: (foundation/structure):_____

_____ approved/denied _____ date: _____

Zoning Review: (foundation/structure):_____

_____ approved/denied _____ date:_____

Certificate of Zoning Compliance: _____

_____approved/denied_____date:_____

rev. 1/25/17

1 GOUVNA HILLS RD

Location	1 GOUVNA HILLS RD	**Mblu**	19/ / 21/ /
Acct#	00079900	**Owner**	GOUVNA GROUP LLC
Assessment	$495,100	**Appraisal**	$707,200
PID	889	**Building Count**	3

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2022	$265,800	$441,400	$707,200

Assessment

Valuation Year	Improvements	Land	Total
2022	$186,200	$308,900	$495,100

Owner of Record

Owner	GOUVNA GROUP LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	107 BROCK HILLS RD GRAFTON , NH 03240	**Book & Page**	0285/0785
		Sale Date	08/22/2002

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Sale Date
GOUVNA GROUP LLC	$0		0285/0785	08/22/2002
YUKNAT GARY A + ELIZABETH	$0		0141/0800	

Building Information

Building 1 : Section 1

Year Built:	1982
Living Area:	3,096
Replacement Cost:	$160,390
Building Percent Good:	57
Replacement Cost Less Depreciation:	$91,400

Building Attributes	
Field	**Description**
Style:	Pre-Eng Gar
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Hot Air-no Duc
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3161
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	14.00
% Comn Wall	0.00

Building 2 : Section 1

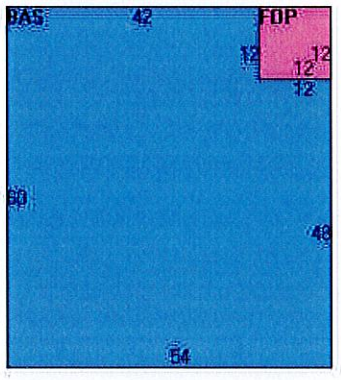
Year Built: 1984
Living Area: 720
Replacement Cost: $76,421
Building Percent Good: 57
Replacement Cost Less Depreciation: $43,600

Building Attributes : Bldg 2 of 3	
Field	**Description**
Style:	Commercial

Building Photo

(https://images.vgsi.com/photos/OldLymeCTPhotos//\00\00\99\72.jpg)

Building Layout



(https://images.vgsi.com/photos/OldLymeCTPhotos//Sketches/889_889.jpg

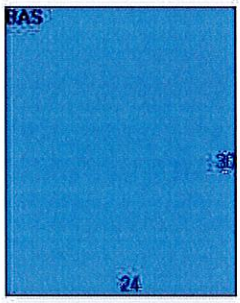
Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	3,096	3,096
FOP	Porch, Open, Finished	144	0
		3,240	3,096

Model	Commercial
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-Fab Wood
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Inlaid Sht Gds
Interior Floor 2	Carpet
Heating Fuel	Electric
Heating Type	Electr Basebrd
AC Type	None
Struct Class	
Bldg Use	IND BLDG
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3400
Heat/AC	NONE
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	8.00
% Comn Wall	

Building Photo

(https://images.vgsi.com/photos/OldLymeCTPhotos//\00\00\55\26.jpg)

Building Layout



(https://images.vgsi.com/photos/OldLymeCTPhotos//Sketches/889_5795.jp

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	720	720
		720	720

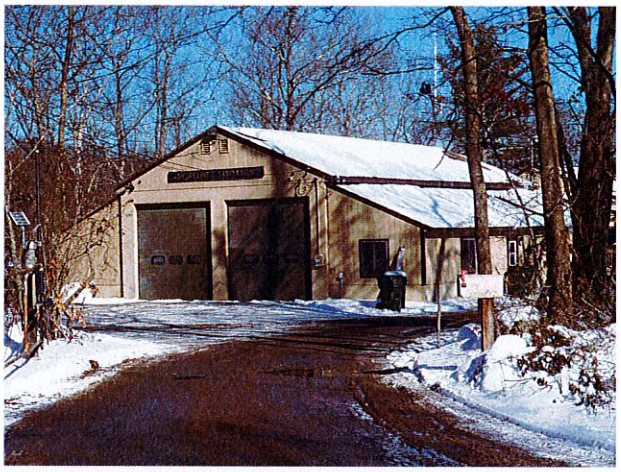
Building 3 : Section 1

Year Built: 2007
Living Area: 2,400
Replacement Cost: $137,319
Building Percent Good: 71
Replacement Cost Less Depreciation: $97,500

Building Attributes : Bldg 3 of 3	
Field	Description
Style:	Garage
Model	Ind/Comm
Grade	Average
Stories:	1

Occupancy	1.00
Exterior Wall 1	Pre-Fab Wood
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Hot Air-no Duc
AC Type	None
Struct Class	
Bldg Use	IND BLDG
Total Rooms	
Total Bedrms	
Total Baths	
1st Floor Use:	
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	NONE
Ceiling/Wall	CEILING ONLY
Rooms/Prtns	AVERAGE
Wall Height	20.00
% Comn Wall	

Building Photo



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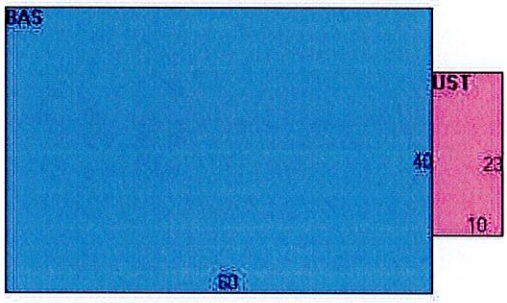
Building Layout



(https://images.vgsi.com/photos/OldLymeCTPhotos//Sketches/889_10212

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	2,400	2,400
UST	Utility, Storage, Unfinished	230	0
		2,630	2,400

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	316I
Description	COM WHS/GAR

Land Line Valuation

Size (Acres)	4.45
Frontage	0

Zone	LI80	**Depth**	0
Neighborhood	IND	**Assessed Value**	$308,900
Alt Land Appr	No	**Appraised Value**	$441,400
Category			

Outbuildings

Outbuildings — Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PMP1	PUMP-SING HSE			1.00 UNITS	$2,300	2
SHD2	W/LIGHTS ETC			576.00 S.F.	$6,900	3
SHD1	SHED FRAME			170.00 S.F.	$1,500	2
SHD2	W/LIGHTS ETC			200.00 S.F.	$2,800	3
SHD2	W/LIGHTS ETC			192.00 S.F.	$2,700	3
SHD2	W/LIGHTS ETC			64.00 S.F.	$600	3
GRN3	GRN HSE PLASTI			1500.00 S.F.	$7,500	1
GRN3	GRN HSE PLASTI			1800.00 S.F.	$9,000	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2021	$265,800	$441,400	$707,200
2020	$265,800	$441,400	$707,200
2019	$313,800	$367,800	$681,600

Assessment

Valuation Year	Improvements	Land	Total
2021	$186,200	$308,900	$495,100
2020	$186,200	$308,900	$495,100
2019	$219,700	$257,500	$477,200

1 Gouvna Hills Road aka 30 Short Hills Road

Property Information

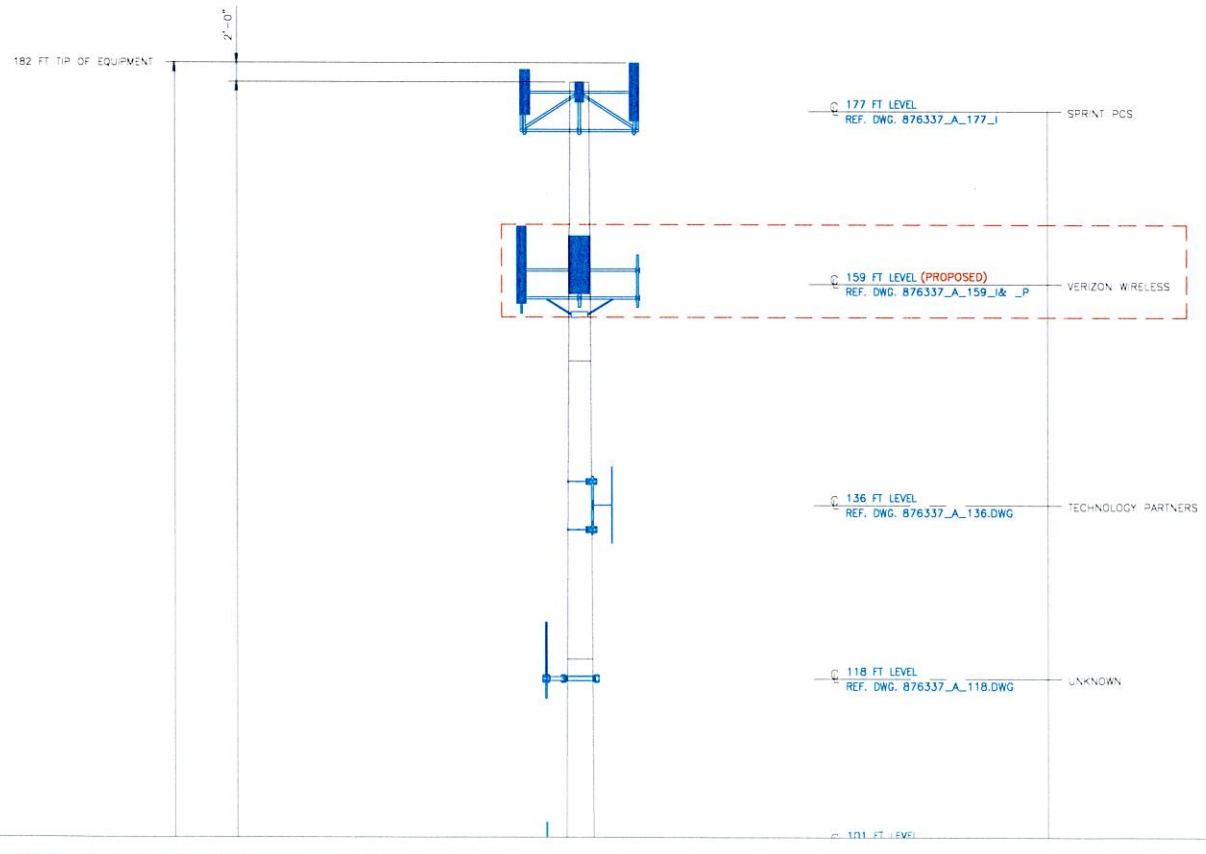
Property ID	19-21
Location	1 GOUVNA HILLS RD
Owner	GOUVNA GROUP LLC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Old Lyme, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 6/24/2021
Data updated on a daily basis

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.


2'-0"
182 FT TIP OF EQUIPMENT
177 FT LEVEL
REF. DWG. 876337_A_177_I
SPRINT PCS
159 FT LEVEL (PROPOSED)
REF. DWG. 876337_A_159_I& _P
VERIZON WIRELESS
136 FT LEVEL
REF. DWG. 876337_A_136.DWG
TECHNOLOGY PARTNERS
118 FT LEVEL
REF. DWG. 876337_A_118.DWG
UNKNOWN

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

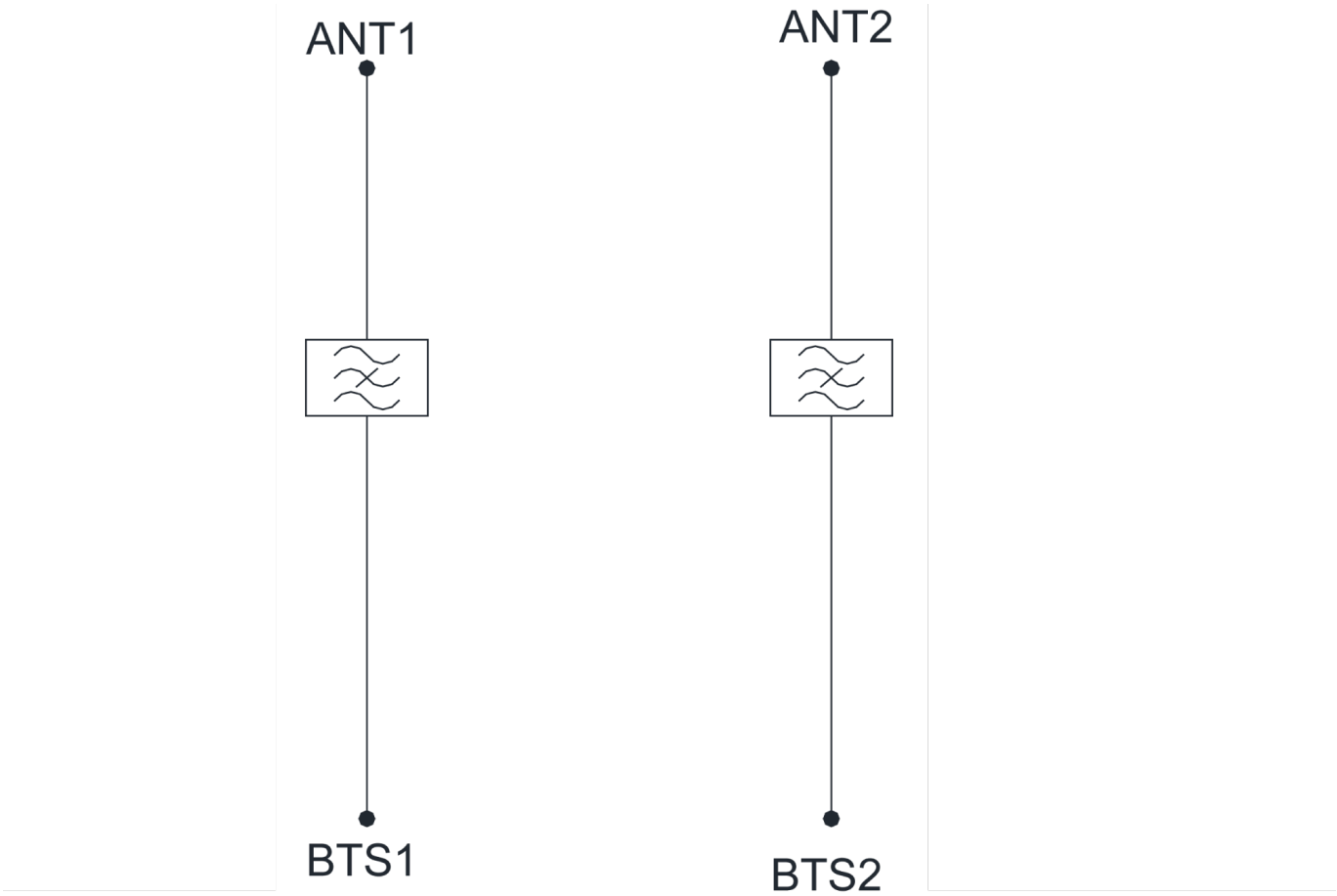
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

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

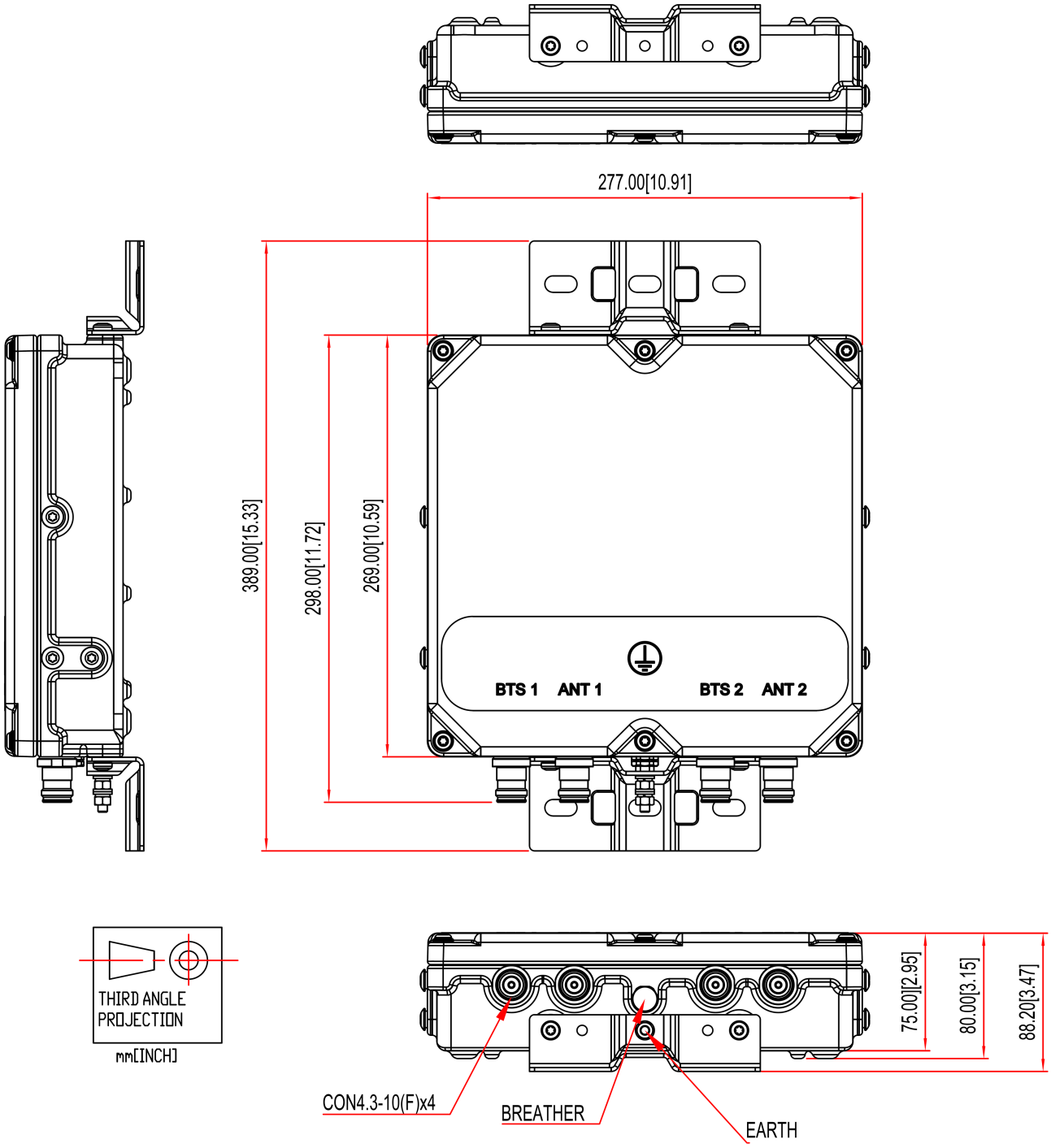
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

Colliers Engineering & Design CT, 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 #: 10206423
Colliers Engineering & Design CT, PC Project #: 23777070 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000097358-VZW / Old Lyme RELO 2 CT - A*
	Site Name:	*Old Lyme RELO 2 CT - A*
	Carrier Name:	*Verizon Wireless*
	Address:	*30 Short Hills Rd* *Old Lyme, Connecticut 06371* *New London County*
	Latitude:	*41.31877778°*
	Longitude:	*-72.27072222°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 17123925

Analysis Results

Platform: **89.3% Pass***

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

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

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

Report Prepared By: Frank Centone

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 616155557* *Dated August 11, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut Project #: 21781062A* *Dated August 27, 2021*
Mount Mapping Report	*Hudson Design Group, LLC Site ID: 519042* *Dated June 8, 2021*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (DSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	130 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:	0.994
Seismic Parameters:	S_S:	0.198 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
158.00	161.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	JAHH-65B-R3B	
		1	Commscope	LNX-6514DS-A1M	
		2	Andrew	LNX-8514DS-A1M	
		3	Commscope	CBC78T-DS-43-2X	
		1	Raycap	RRFDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	KAelus	BSF0020F3V1-1	Added

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*22.2*	*Pass*
Standoff Horizontal	*20.8*	*Pass*
Corner Plate	*28.9*	*Pass*
Platform Crossmember	*13.3*	*Pass*
Grating Support	*16.6*	*Pass*
Mount Pipe	*81.0*	*Pass*
Cross Arm Plate	*44.8*	*Pass*
Support Rail	*65.4*	*Pass*
Support Rail Angle	*89.3*	*Pass*
Kicker	*10.2*	*Pass*
Mount Connection	*21.8*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**89.3%**

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	26.9	26.9	44.0	44.0
0.5	35.4	35.4	59.7	59.7
1	42.9	42.9	74.4	74.4

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

Requirements:

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

Contractor shall verify that all equipment per the previous mount analysis report by Maser Consulting Connecticut, Project #: 21781062A, dated August 27, 2021 has been installed as intended.

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 #: 5000097358 SMART Project #: 10206423 Fuze Project ID: 17123925

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

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

Issue:

Contractor shall verify that all equipment per the previous mount analysis report by Maser Consulting Connecticut, Project #: 21781062A, dated August 27, 2021 has been installed as intended.

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:	

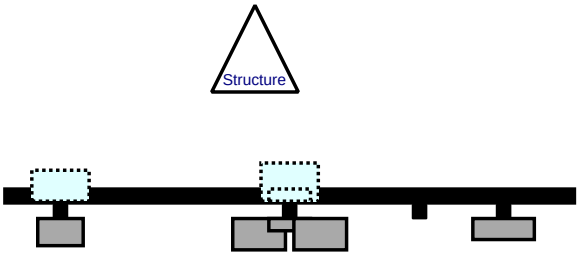
Structure: 5000097358-VZW - Old Lyme RELO 2 CT - A

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

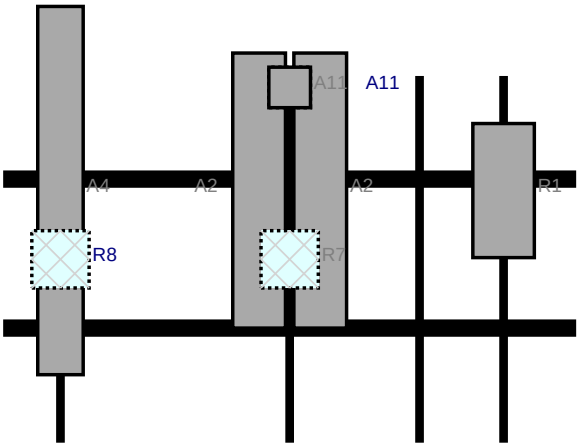
Structure Type: Monopole 10206423

Mount Elev: 158.00 Page: 1

Plan View



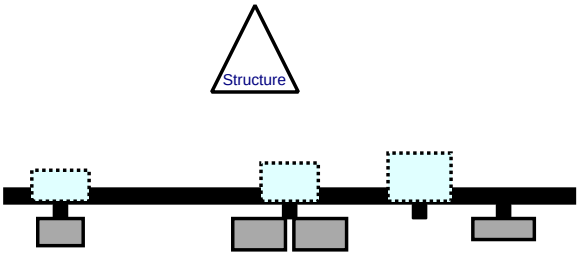
Front View - Looking at Structure



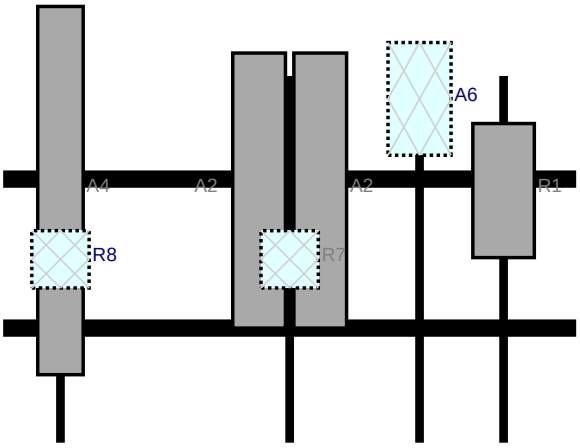
4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	131	1	a	Front	30	0	Retained	
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	30	8	Retained	06/08/2021
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	30	-8	Retained	06/08/2021
R7	B2/B66A RRH-BR049	15	15	75	3	a	Behind	48	0	Retained	06/08/2021
A11	BSF0020F3V1-1	10.6	10.9	75	3	a	Behind	3	0	Added	
A11	BSF0020F3V1-1	10.6	10.9	75	3	b	Front	3	0	Added	
A4	LNX-8514DS-A1M	96.4	11.9	15	4	a	Front	30	0	Retained	06/08/2021
R8	B5/B13 RRH-BR04C	15	15	15	4	a	Behind	48	0	Retained	06/08/2021
M1	CBC78T-DS-43-2X	6.4	6.9		Member					Retained	06/08/2021
M29	CBC78T-DS-43-2X	6.4	6.9		Member					Retained	06/08/2021
M30B	CBC78T-DS-43-2X	6.4	6.9		Member					Retained	06/08/2021

Plan View



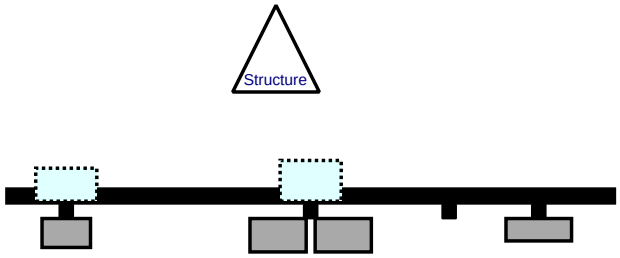
Front View - Looking at Structure



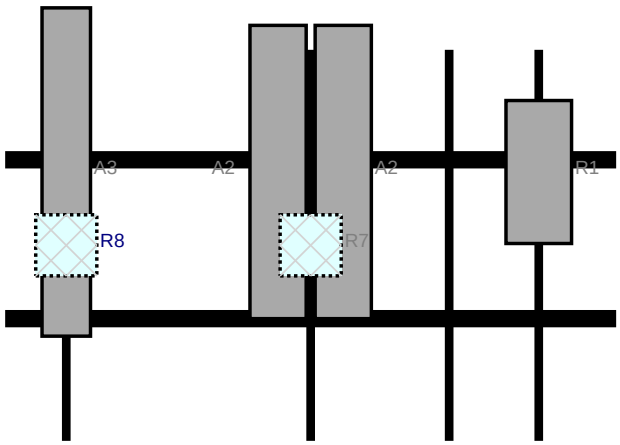
4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	131	1	a	Front	30	0	Retained	
A6	RRFDC-6627-PF-48	29.5	16.5	109	2	a	Behind	6	0	Retained	06/08/2021
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	30	8	Retained	06/08/2021
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	30	-8	Retained	06/08/2021
R7	B2/B66A RRH-BR049	15	15	75	3	a	Behind	48	0	Retained	06/08/2021
A4	LNX-8514DS-A1M	96.4	11.9	15	4	a	Front	30	0	Retained	06/08/2021
R8	B5/B13 RRH-BR04C	15	15	15	4	a	Behind	48	0	Retained	06/08/2021

Plan View



Front View - Looking at Structure



4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	131	1	a	Front	30	0	Retained	
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	30	8	Retained	06/08/2021
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	30	-8	Retained	06/08/2021
R7	B2/B66A RRH-BR049	15	15	75	3	a	Behind	48	0	Retained	06/08/2021
A3	LNX-6514DS-A1M	80.6	11.9	15	4	a	Front	30	0	Retained	06/08/2021
R8	B5/B13 RRH-BR04C	15	15	15	4	a	Behind	48	0	Retained	06/08/2021

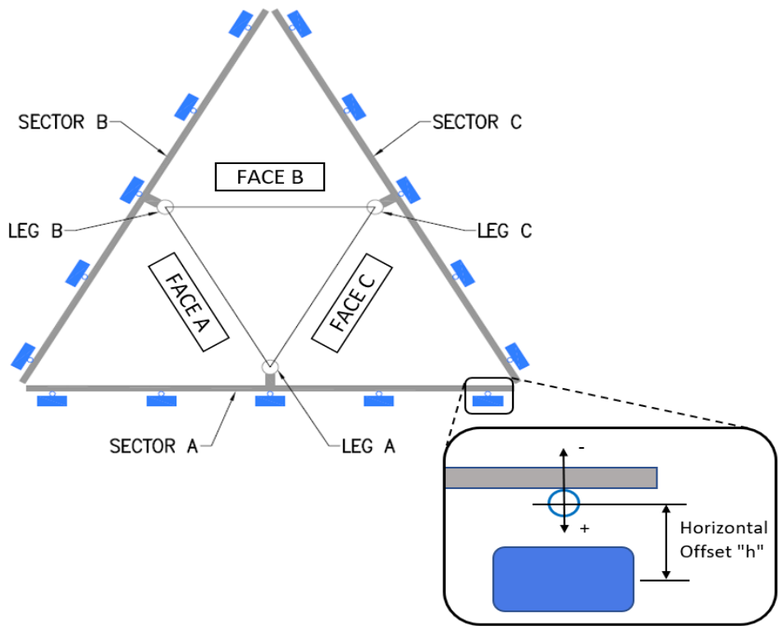
V4.0 Updated on 3-31-2021

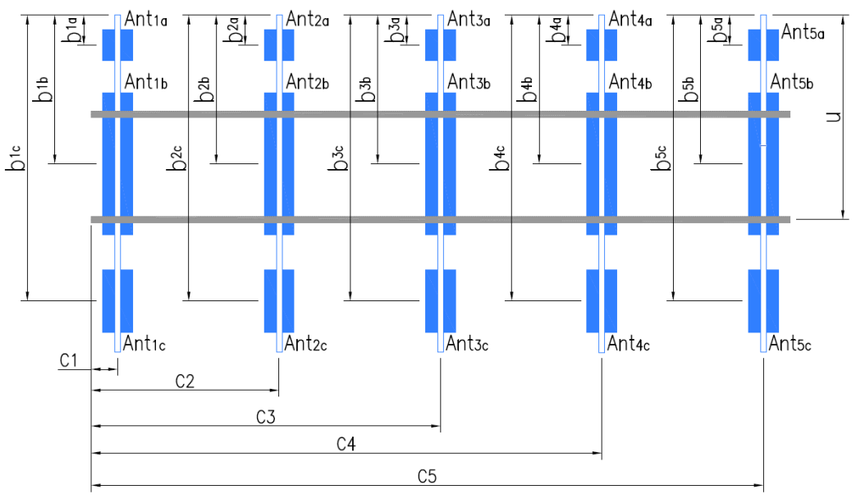
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/8/2021
Site Name:	Old Lyme RELO 2 CT - A	**Tower Type:**	Monopole
Site Number or ID:	519042	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	161.42

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





Antenna Layout (Looking Out From Tower)

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

Climbing Facility Information		
Location:	0.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

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" STD. PIPE X 96" LONG	66.00	19.00	C1	2" STD. PIPE X 96" LONG	66.00	19.00
A2	2" STD. PIPE X 96" LONG	66.00	41.00	C2	2" STD. PIPE X 96" LONG	66.00	41.00
A3	2" STD. PIPE X 96" LONG	66.00	75.00	C3	2" STD. PIPE X 96" LONG	66.00	75.00
A4	2" STD. PIPE X 96" LONG	66.00	135.00	C4	2" STD. PIPE X 96" LONG	66.00	135.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 96" LONG	66.00	19.00	D1			
B2	2" STD. PIPE X 96" LONG	66.00	41.00	D2			
B3	2" STD. PIPE X 96" LONG	66.00	75.00	D3			
B4	2" STD. PIPE X 96" LONG	66.00	135.00	D4			
B5				D5			
B6				D6			

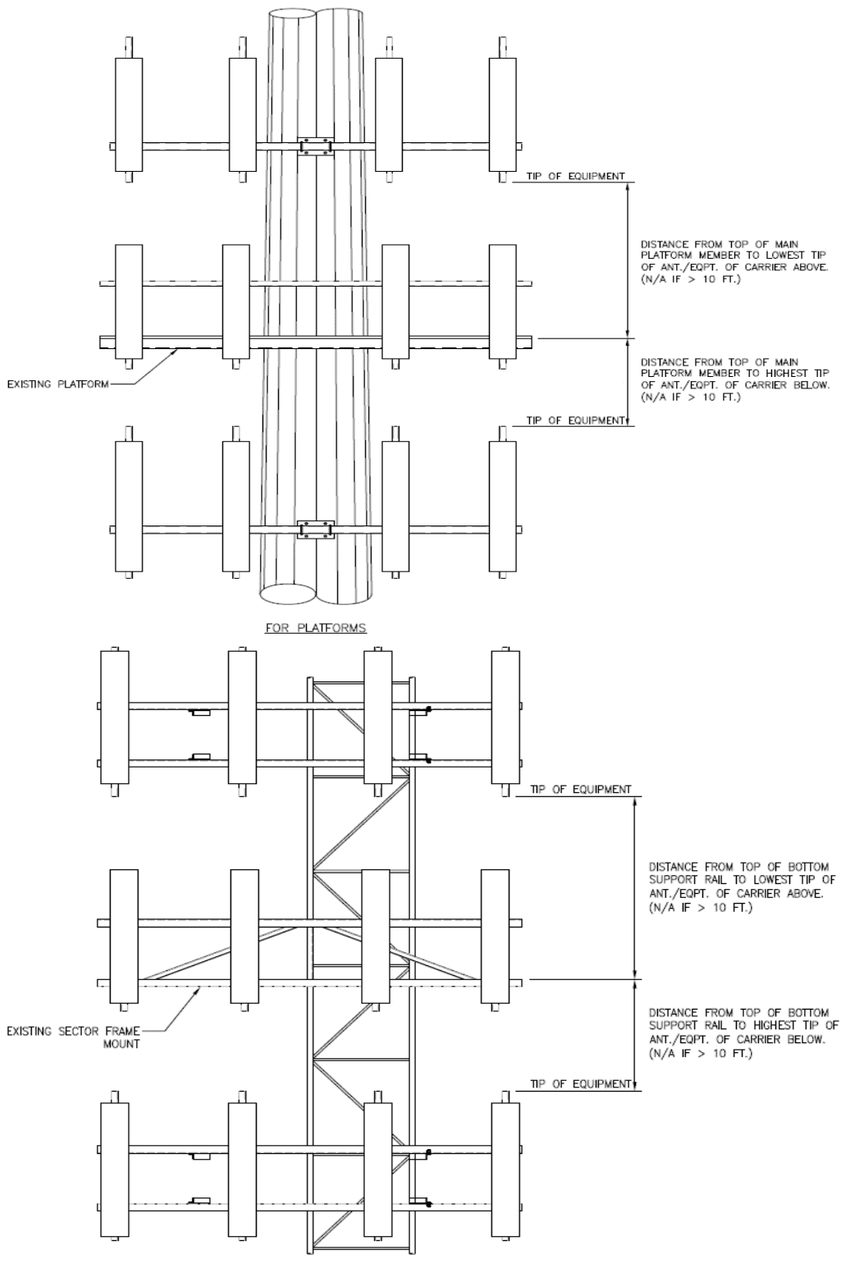
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	19.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

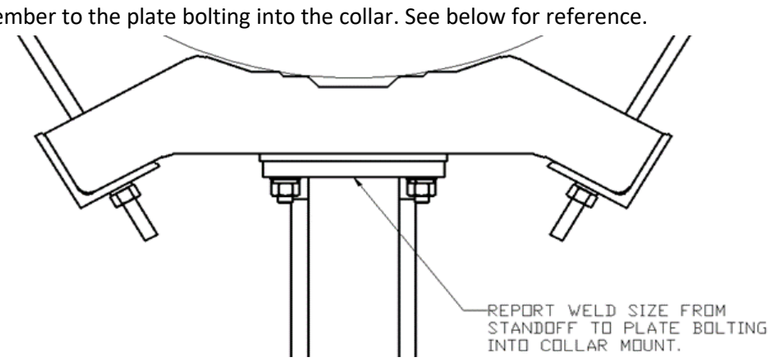
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	28
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	16.00	12.00	16.00		162.003	40.00	-10.00		55,56
Ant_{3b}	(2) JAHN-65B-R3B	14.00	8.00	72.00		162.753	31.00	14.00	20.00	55,56
Ant_{3c}										
Ant_{4a}	RFV01U-D2A	16.00	10.00	16.00		162.003	40.00	-9.00		57,58
Ant_{4b}	LNX-6514DS-A1M	12.00	8.00	73.00		162.92	29.00	10.50	30.00	57,58
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector B										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RRFDC-6627-PF-48	15.00	10.00	28.00		166.003	-8.00	-10.00		57,59,169
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	16.00	12.00	16.00		162.003	40.00	-10.00		60,67
Ant_{3b}	(2) JAHN-65B-R3B	14.00	8.00	72.00		162.753	31.00	14.00	160.00	60,65
Ant_{3c}										
Ant_{4a}	RFV01U-D2A	16.00	10.00	16.00		162.003	40.00	-9.00		61,70
Ant_{4b}	LNX-6514DS-A1M	12.00	8.00	73.00		162.92	29.00	10.50	150.00	61,69
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										

Please insert a photo of the mount centerline measurement here.



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



Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	16.00	12.00	16.00		162.003	40.00	-10.00		62,67
Ant_{3b}	(2) JAHN-65B-R3B	14.00	8.00	72.00		162.753	31.00	14.00	280.00	62,65
Ant_{3c}										
Ant_{4a}	RFV01U-D2A	16.00	10.00	16.00		162.003	40.00	-9.00		64,70
Ant_{4b}	LNX-6514DS-A1M	12.00	8.00	73.00		162.92	29.00	10.50	270.00	64,69
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		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	

Lighting Technology:		Photo #		
Elevation (AGL) at base of light (Ft.):		Photo #		
Is a service loop available?		Photo #		
Is beacon installed on an extension?		Photo #		

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

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

V4.0 Updated on 3-31-2021

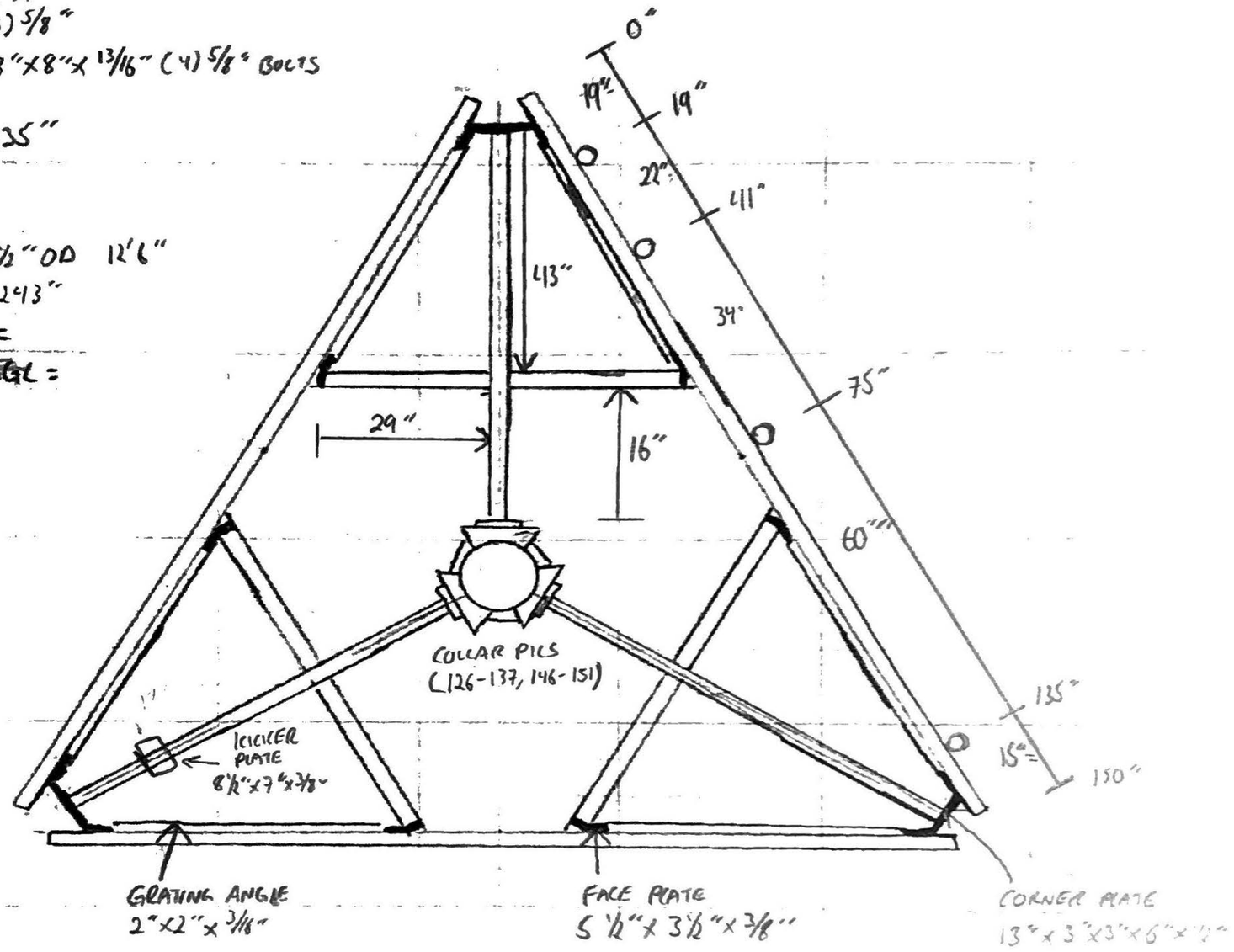
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/8/2021
Site Name:	Old Lyme RELO 2 CT - A	**Tower Type:**	Monopole
Site Number or ID:	519042	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	161.42

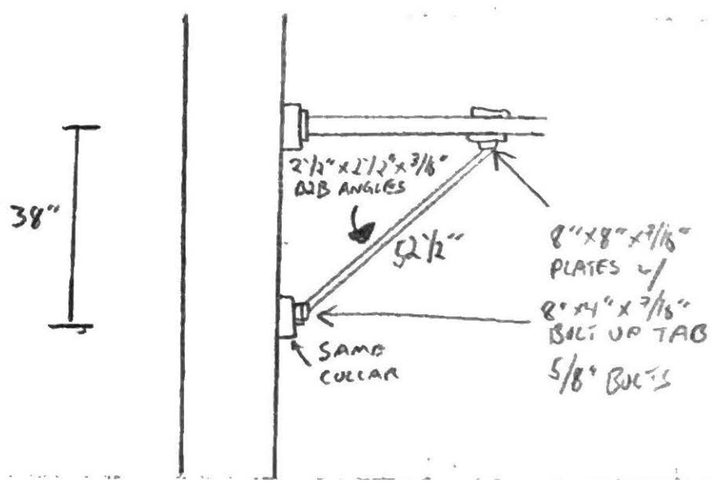
FCC #

Please Insert Sketches of the Antenna Mount

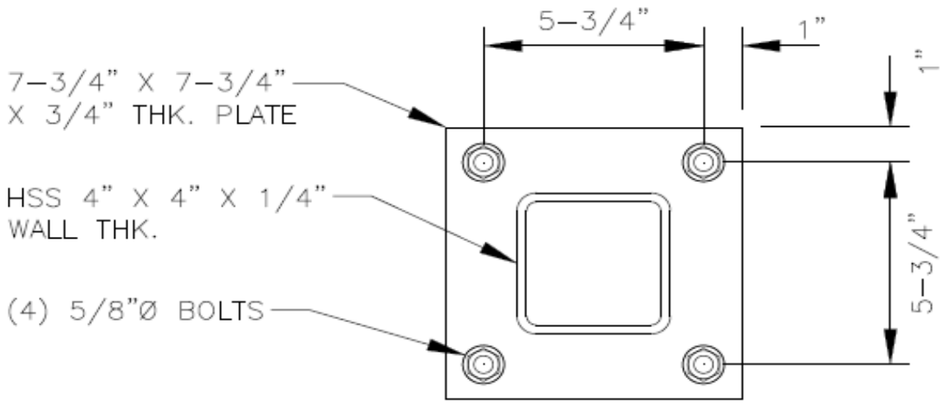
TOT = 180'
MOUNT CL = 159'
TOWER D = 28"
↳ WALL = .287"
COLLAR = 9½" x
- T ROD = (3) 5/8"
- PLATE = 8" x 8" x 13/16" (4) 5/8" BOLTS
HSS = 4" x 4"
↳ WALL = .225"
T-F = 36"
T-A = 67½"
FACE PIPE = 3½" OD 12'6"
↳ WALL = .243"
~~ANT MASS =~~
~~TOP OF MAST AGL =~~



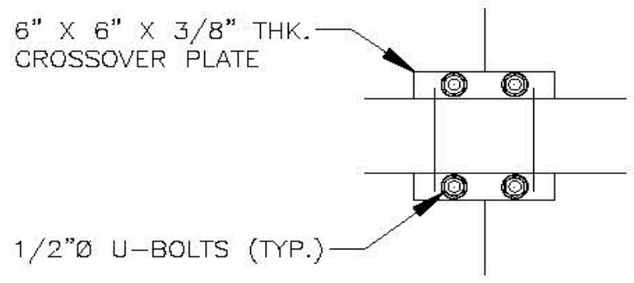
HAND RAIL PICS (79-94)
V-SEP = 39"
2" x 3/16" x



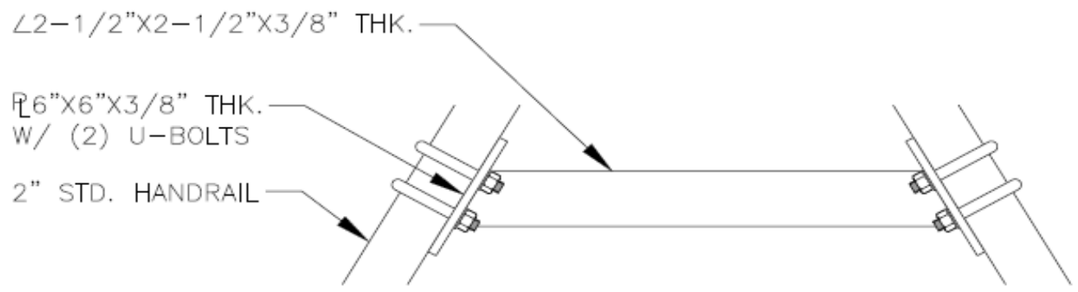
Please Insert Sketches of the Antenna Mount, cont'd



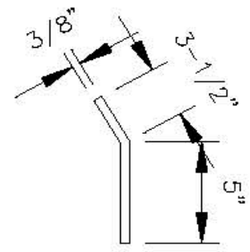
STANDOFF TO RING
MOUNT CONNECTION



CROSSOVER PLATE DETAIL

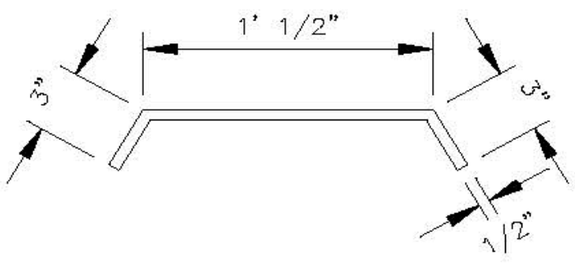


HANDRAIL APEX SUPPORT DETAIL



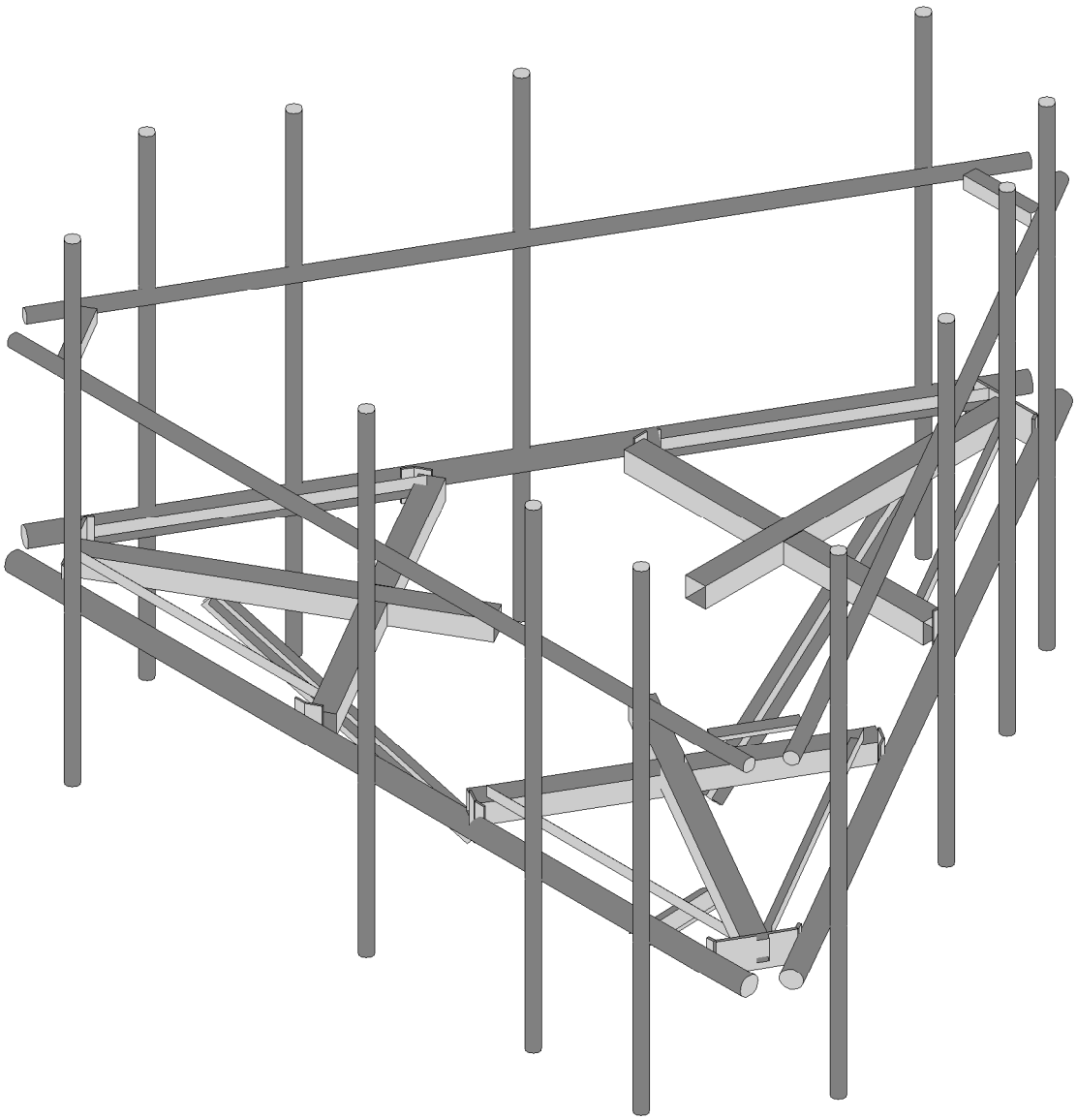
DETAIL K

"B" PLATE DETAIL



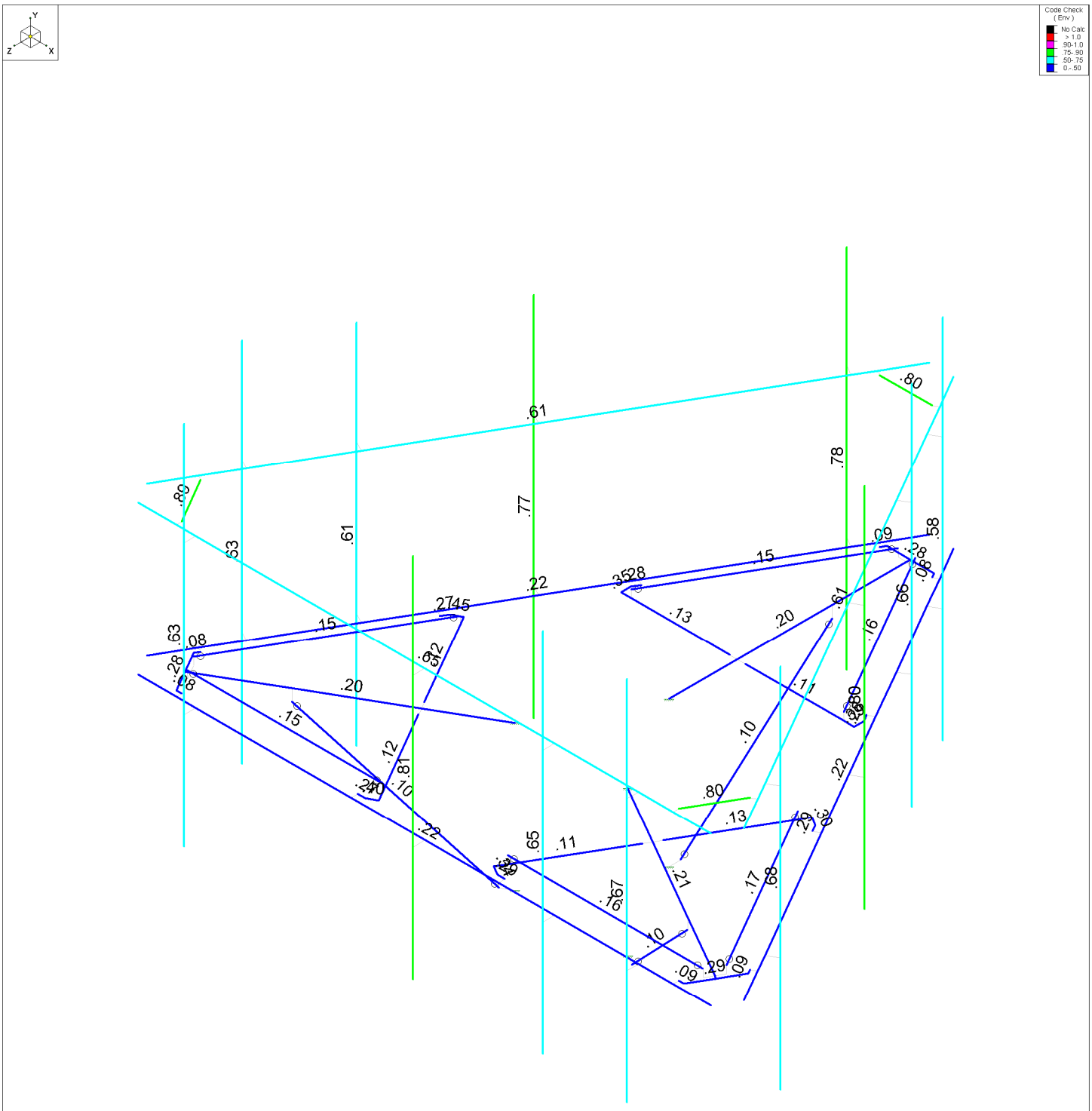
DETAIL J

APEX "A" PLATE DETAIL



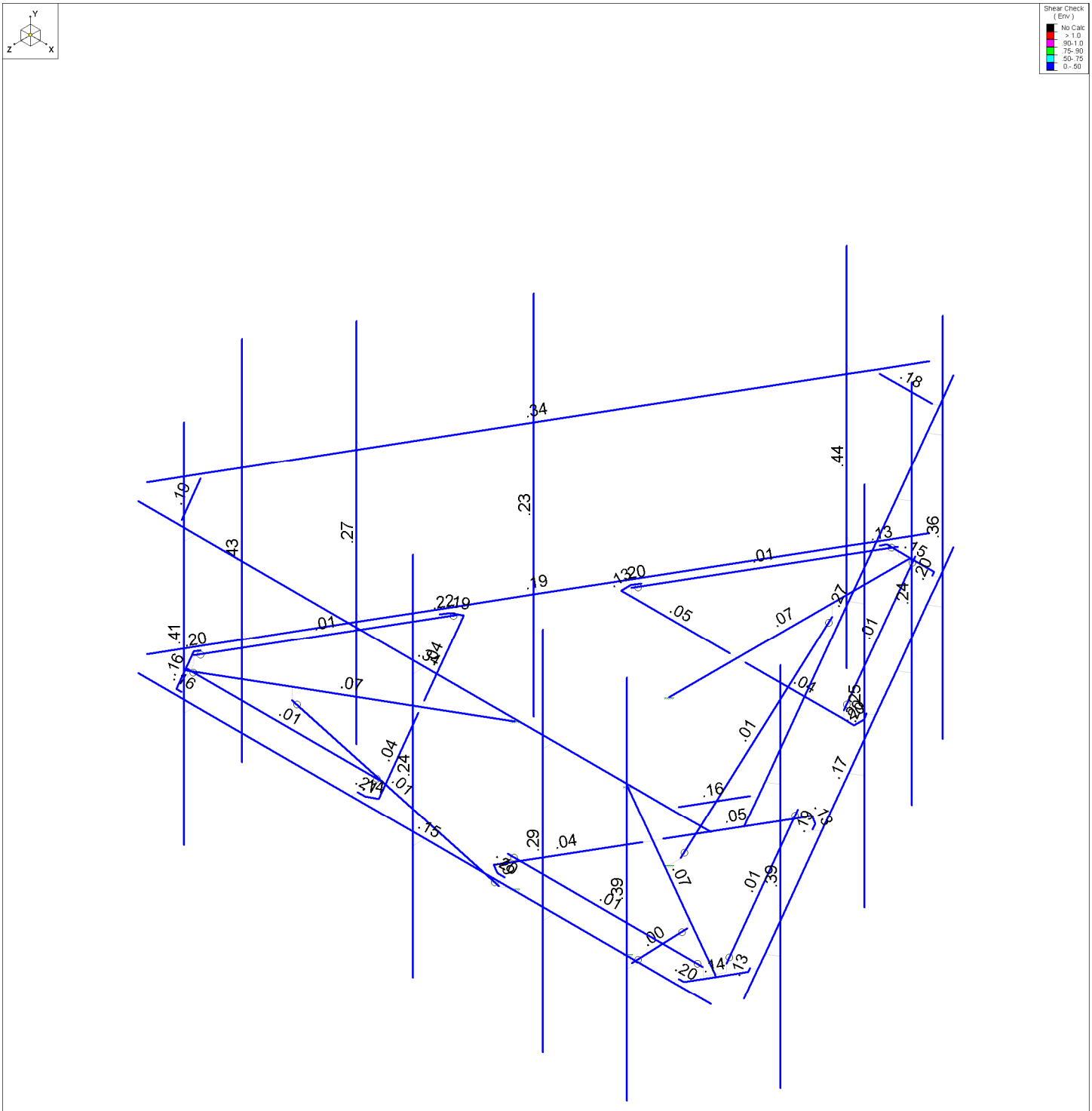
Envelope Only Solution

		SK - 1
		July 5, 2023 at 12:10 PM
	Rendered Model	5000097358-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 5, 2023 at 12:11 PM
	Bending Check	5000097358-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 5, 2023 at 12:11 PM
	Shear Check	5000097358-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					105			
2	Antenna Di	None					105			
3	Antenna Wo (0 Deg)	None					105			
4	Antenna Wo (30 Deg)	None					105			
5	Antenna Wo (60 Deg)	None					105			
6	Antenna Wo (90 Deg)	None					105			
7	Antenna Wo (120 Deg)	None					105			
8	Antenna Wo (150 Deg)	None					105			
9	Antenna Wo (180 Deg)	None					105			
10	Antenna Wo (210 Deg)	None					105			
11	Antenna Wo (240 Deg)	None					105			
12	Antenna Wo (270 Deg)	None					105			
13	Antenna Wo (300 Deg)	None					105			
14	Antenna Wo (330 Deg)	None					105			
15	Antenna Wi (0 Deg)	None					105			
16	Antenna Wi (30 Deg)	None					105			
17	Antenna Wi (60 Deg)	None					105			
18	Antenna Wi (90 Deg)	None					105			
19	Antenna Wi (120 Deg)	None					105			
20	Antenna Wi (150 Deg)	None					105			
21	Antenna Wi (180 Deg)	None					105			
22	Antenna Wi (210 Deg)	None					105			
23	Antenna Wi (240 Deg)	None					105			
24	Antenna Wi (270 Deg)	None					105			
25	Antenna Wi (300 Deg)	None					105			
26	Antenna Wi (330 Deg)	None					105			
27	Antenna Wm (0 Deg)	None					105			
28	Antenna Wm (30 Deg)	None					105			
29	Antenna Wm (60 Deg)	None					105			
30	Antenna Wm (90 Deg)	None					105			
31	Antenna Wm (120 Deg)	None					105			
32	Antenna Wm (150 Deg)	None					105			
33	Antenna Wm (180 Deg)	None					105			
34	Antenna Wm (210 Deg)	None					105			
35	Antenna Wm (240 Deg)	None					105			
36	Antenna Wm (270 Deg)	None					105			
37	Antenna Wm (300 Deg)	None					105			
38	Antenna Wm (330 Deg)	None					105			
39	Structure D	None		-1					3	
40	Structure Di	None						60	3	
41	Structure Wo (0 Deg)	None						120		
42	Structure Wo (30 Deg)	None						120		
43	Structure Wo (60 Deg)	None						120		
44	Structure Wo (90 Deg)	None						120		
45	Structure Wo (120 D...	None						120		
46	Structure Wo (150 D...	None						120		
47	Structure Wo (180 D...	None						120		
48	Structure Wo (210 D...	None						120		
49	Structure Wo (240 D...	None						120		
50	Structure Wo (270 D...	None						120		
51	Structure Wo (300 D...	None						120		
52	Structure Wo (330 D...	None						120		
53	Structure Wi (0 Deg)	None						120		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						120		
55	Structure Wi (60 Deg)	None						120		
56	Structure Wi (90 Deg)	None						120		
57	Structure Wi (120 De...	None						120		
58	Structure Wi (150 De...	None						120		
59	Structure Wi (180 De...	None						120		
60	Structure Wi (210 De...	None						120		
61	Structure Wi (240 De...	None						120		
62	Structure Wi (270 De...	None						120		
63	Structure Wi (300 De...	None						120		
64	Structure Wi (330 De...	None						120		
65	Structure Wm (0 Deg)	None						120		
66	Structure Wm (30 De...	None						120		
67	Structure Wm (60 De...	None						120		
68	Structure Wm (90 De...	None						120		
69	Structure Wm (120 D...	None						120		
70	Structure Wm (150 D...	None						120		
71	Structure Wm (180 D...	None						120		
72	Structure Wm (210 D...	None						120		
73	Structure Wm (240 D...	None						120		
74	Structure Wm (270 D...	None						120		
75	Structure Wm (300 D...	None						120		
76	Structure Wm (330 D...	None						120		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					105			
82	Antenna Eh (0 Deg)	None					70			
83	Antenna Eh (90 Deg)	None					70			
84	Structure Ev	ELY		-.042					3	
85	Structure Eh (0 Deg)	ELZ			-.106				3	
86	Structure Eh (90 Deg)	ELX	.106						3	
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		
89	BLC 84 Transient Are...	None						30		
90	BLC 85 Transient Are...	None						30		
91	BLC 86 Transient Are...	None						30		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	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 + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.998023	0	
2	N2	-6.25	0	3.998023	0	
3	N3	-0.	0	-1.338583	0	
4	N5	-2.541667	0	-2.833375	0	
5	N8	4.666667	0	3.998023	0	
6	N9	4.666667	0	4.248023	0	
7	N22	4.666667	-2.5	4.248023	0	
8	N23	4.666667	5.5	4.248023	0	
9	N24	-0.	0	-2.833375	0	
10	N27	-0.	0	-6.609375	0	
11	CP	0	0	0.083333	0	
12	N101	2.541667	0	-2.833375	0	
13	N102	-0.166667	0	-2.833375	0	
14	N103A	0.166667	0	-2.833375	0	
15	N104A	-2.541667	0	-3.052125	0	
16	N105	2.541667	0	-3.052125	0	
17	N131	2.458333	0	-3.196463	0	
18	N135	0.571615	0	-6.512398	0	
19	N144	-2.458333	0	-3.196463	0	
20	N148	-0.571615	0	-6.512398	0	
21	N86A	2.584611	0	-3.269369	0	
22	N86B	-2.584611	0	-3.269369	0	
23	N86C	-0.515625	0	-6.609375	0	
24	N87A	0.515625	0	-6.609375	0	
25	N86D	0.677089	0	-6.573294	0	
26	N86E	-0.677089	0	-6.573294	0	
27	N88A	-0.	0	-6.526042	0	
28	N86G	0.186125	0	-6.526042	0	
29	N88C	-0.186125	0	-6.526042	0	
30	N54A	-0.186125	0.166667	-6.526042	0	
31	N55	0.186125	0.166667	-6.526042	0	
32	N40	2.318087	0.166667	-2.833375	0	
33	N41	-2.318087	0.166667	-2.833375	0	
34	N43	-2.318087	0	-2.833375	0	
35	N42	2.318087	0	-2.833375	0	
36	N182A	-0.	0	-4.901042	0	
37	N183A	-0.	-3.166667	-1.338583	0	
38	N38	0.265221	0	-7.28667	0	
39	N39	6.515221	0	3.538647	0	
40	N41A	-6.515221	0	3.538647	0	
41	N42A	-0.265221	0	-7.28667	0	
42	N42B	-0.	-.25	-4.901042	0	
43	N43A	-0.	-3.166667	-1.588583	0	
44	N44	-1.231416	0	0.794292	0	
45	N45	-1.25511	0	3.742835	0	
46	N46	-2.525944	0	1.541688	0	
47	N47	-5.796055	0	3.429688	0	
48	N49	-3.796777	0	-0.65946	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N50	-2.44261	0	1.686025	0	
50	N51	-2.609277	0	1.39735	0	
51	N52	-1.444553	0	3.85221	0	
52	N53	-3.98622	0	-0.550085	0	
53	N54	-4.069553	0	-0.405748	0	
54	N55A	-5.997878	0	2.886166	0	
55	N56	-1.61122	0	3.85221	0	
56	N57	-5.426264	0	3.876232	0	
57	N58	-4.195831	0	-0.478654	0	
58	N59	-1.61122	0	3.998023	0	
59	N60	-5.538243	0	3.876232	0	
60	N61	-6.053868	0	2.983143	0	
61	N62	-6.103353	0	2.825271	0	
62	N63	-5.426264	0	3.998023	0	
63	N64	-5.723887	0	3.388021	0	
64	N65	-5.816949	0	3.226832	0	
65	N66	-5.630824	0	3.54921	0	
66	N67	-5.630824	0.166667	3.54921	0	
67	N68	-5.816949	0.166667	3.226832	0	
68	N69	-3.684987	0.166667	-0.465835	0	
69	N70	-1.3669	0.166667	3.54921	0	
70	N71	-1.3669	0	3.54921	0	
71	N72	-3.684987	0	-0.465835	0	
72	N73	-4.316595	0	2.575521	0	
73	N74	-1.231416	-3.166667	0.794292	0	
74	N75	-4.316595	-.25	2.575521	0	
75	N76	-1.447922	-3.166667	0.919292	0	
76	N77	1.231416	0	0.794292	0	
77	N78	3.796777	0	-0.65946	0	
78	N79	2.525944	0	1.541688	0	
79	N80	5.796055	0	3.429688	0	
80	N82	1.25511	0	3.742835	0	
81	N83	2.609277	0	1.39735	0	
82	N84	2.44261	0	1.686025	0	
83	N85	3.98622	0	-0.550085	0	
84	N86	1.444553	0	3.85221	0	
85	N87	1.61122	0	3.85221	0	
86	N88	5.426264	0	3.876232	0	
87	N89	4.069553	0	-0.405748	0	
88	N90	5.997878	0	2.886166	0	
89	N91	1.61122	0	3.998023	0	
90	N92	4.195831	0	-0.478654	0	
91	N93	6.053868	0	2.983143	0	
92	N94	5.538243	0	3.876232	0	
93	N95	5.426264	0	3.998023	0	
94	N96	6.103353	0	2.825271	0	
95	N97	5.723887	0	3.388021	0	
96	N98	5.630824	0	3.54921	0	
97	N99	5.816949	0	3.226832	0	
98	N100	5.816949	0.166667	3.226832	0	
99	N101A	5.630824	0.166667	3.54921	0	
100	N102A	1.3669	0.166667	3.54921	0	
101	N103	3.684987	0.166667	-0.465835	0	
102	N104	3.684987	0	-0.465835	0	
103	N105A	1.3669	0	3.54921	0	
104	N106	4.316595	0	2.575521	0	
105	N107	1.231416	-3.166667	0.794292	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N108	4.316595	-.25	2.575521	0	
107	N109	1.447922	-3.166667	0.919292	0	
108	N108A	6.25	3.25	3.998023	0	
109	N109A	-6.25	3.25	3.998023	0	
110	N110	4.666667	3.25	3.998023	0	
111	N111	4.666667	3.25	4.248023	0	
112	N113	0.265221	3.25	-7.28667	0	
113	N114	6.515221	3.25	3.538647	0	
114	N116	-6.515221	3.25	3.538647	0	
115	N117	-0.265221	3.25	-7.28667	0	
116	N116A	2.833333	0	3.998023	0	
117	N117A	2.833333	0	4.248023	0	
118	N118	2.833333	-2.5	4.248023	0	
119	N119	2.833333	5.5	4.248023	0	
120	N120	2.833333	3.25	3.998023	0	
121	N121	2.833333	3.25	4.248023	0	
122	N122	0.	0	3.998023	0	
123	N123	0.	0	4.248023	0	
124	N124	0.	-2.5	4.248023	0	
125	N125	0.	5.5	4.248023	0	
126	N126	0.	3.25	3.998023	0	
127	N127	0.	3.25	4.248023	0	
128	N128	-5.	0	3.998023	0	
129	N129	-5.	0	4.248023	0	
130	N130	-5.	-2.5	4.248023	0	
131	N131A	-5.	5.5	4.248023	0	
132	N132	-5.	3.25	3.998023	0	
133	N133	-5.	3.25	4.248023	0	
134	N134	1.056888	0	-5.915464	0	
135	N135A	1.273394	0	-6.040464	0	
136	N136	1.273394	-2.5	-6.040464	0	
137	N137	1.273394	5.5	-6.040464	0	
138	N139	1.056888	3.25	-5.915464	0	
139	N140	1.273394	3.25	-6.040464	0	
140	N141	1.973554	0	-4.32775	0	
141	N142	2.190061	0	-4.45275	0	
142	N143	2.190061	-2.5	-4.45275	0	
143	N144A	2.190061	5.5	-4.45275	0	
144	N145	1.973554	3.25	-4.32775	0	
145	N146	2.190061	3.25	-4.45275	0	
146	N147	3.390221	0	-1.874012	0	
147	N148A	3.606727	0	-1.999012	0	
148	N149	3.606727	-2.5	-1.999012	0	
149	N150	3.606727	5.5	-1.999012	0	
150	N151	3.390221	3.25	-1.874012	0	
151	N152	3.606727	3.25	-1.999012	0	
152	N153	5.890221	0	2.456115	0	
153	N154	6.106727	0	2.331115	0	
154	N155	6.106727	-2.5	2.331115	0	
155	N156	6.106727	5.5	2.331115	0	
156	N157	5.890221	3.25	2.456115	0	
157	N158	6.106727	3.25	2.331115	0	
158	N159	-5.723554	0	2.16744	0	
159	N160	-5.940061	0	2.04244	0	
160	N161	-5.940061	-2.5	2.04244	0	
161	N162	-5.940061	5.5	2.04244	0	
162	N164	-5.723554	3.25	2.16744	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N165	-5.940061	3.25	2.04244	0	
164	N166	-4.806888	0	0.579727	0	
165	N167	-5.023394	0	0.454727	0	
166	N168	-5.023394	-2.5	0.454727	0	
167	N169	-5.023394	5.5	0.454727	0	
168	N170	-4.806888	3.25	0.579727	0	
169	N171	-5.023394	3.25	0.454727	0	
170	N172	-3.390221	0	-1.874012	0	
171	N173	-3.606727	0	-1.999012	0	
172	N174	-3.606727	-2.5	-1.999012	0	
173	N175	-3.606727	5.5	-1.999012	0	
174	N176	-3.390221	3.25	-1.874012	0	
175	N177	-3.606727	3.25	-1.999012	0	
176	N178	-0.890221	0	-6.204139	0	
177	N179	-1.106727	0	-6.329139	0	
178	N180	-1.106727	-2.5	-6.329139	0	
179	N181	-1.106727	5.5	-6.329139	0	
180	N182	-0.890221	3.25	-6.204139	0	
181	N183	-1.106727	3.25	-6.329139	0	
182	N182B	-5.426264	3.25	3.876232	0	
183	N183B	-5.426264	3.25	3.998023	0	
184	N184	5.426264	3.25	3.876232	0	
185	N185	5.426264	3.25	3.998023	0	
186	N187	5.997878	3.25	2.886166	0	
187	N188	6.103353	3.25	2.825271	0	
188	N189	0.571615	3.25	-6.512398	0	
189	N190	0.677089	3.25	-6.573294	0	
190	N192	-0.571615	3.25	-6.512398	0	
191	N193	-0.677089	3.25	-6.573294	0	
192	N194	-5.997878	3.25	2.886166	0	
193	N195	-6.103353	3.25	2.825271	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Equipment Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Kicker	LL2.5x2.5x3x3	Column	Double Angle (3/8 ...	A36 Gr.36	Typical	1.8	2.46	1.07	.023

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
7	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M51B	N55	N40			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52B	N41	N54A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M37A	N54A	N88C			RIGID	None	None	RIGID	Typical
25	M37B	N55	N86G			RIGID	None	None	RIGID	Typical
26	M30	N41	N43			RIGID	None	None	RIGID	Typical
27	M30A	N40	N42			RIGID	None	None	RIGID	Typical
28	M124	N42B	N43A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
29	M29	N38	N39			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
30	M30B	N41A	N42A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
31	M31	N182A	N42B			RIGID	None	None	RIGID	Typical
32	M32	N183A	N43A			RIGID	None	None	RIGID	Typical
33	M33	N44	N47			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
34	M34	N49	N51			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
35	M35	N50	N45			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M36	N60	N61			Corner Plate	Beam	BAR	A36 Gr.36	Typical
37	M37	N68	N69			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
38	M38	N70	N67			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M39	N50	N46			RIGID	None	None	RIGID	Typical
40	M40	N46	N51			RIGID	None	None	RIGID	Typical
41	M41	N49	N53			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N53	N54			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N54	N58			RIGID	None	None	RIGID	Typical
44	M44	N61	N55A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N55A	N62			RIGID	None	None	RIGID	Typical
46	M46A	N45	N52			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M47	N52	N56			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M48	N56	N59			RIGID	None	None	RIGID	Typical
49	M49	N60	N57			Corner Plate	Beam	BAR	A36 Gr.36	Typical
50	M50A	N57	N63			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
51	M51A	N66	N64			RIGID	None	None	RIGID	Typical
52	M52	N64	N65			RIGID	None	None	RIGID	Typical
53	M53	N67	N66			RIGID	None	None	RIGID	Typical
54	M54	N68	N65			RIGID	None	None	RIGID	Typical
55	M55	N70	N71			RIGID	None	None	RIGID	Typical
56	M56	N69	N72			RIGID	None	None	RIGID	Typical
57	M57	N75	N76			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
58	M58A	N73	N75			RIGID	None	None	RIGID	Typical
59	M59A	N74	N76			RIGID	None	None	RIGID	Typical
60	M60	N77	N80			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
61	M61	N82	N84			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
62	M62	N83	N78			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
63	M63	N93	N94			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N101A	N102A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N103	N100			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N83	N79			RIGID	None	None	RIGID	Typical
67	M67	N79	N84			RIGID	None	None	RIGID	Typical
68	M68	N82	N86			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M69	N86	N87			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M70	N87	N91			RIGID	None	None	RIGID	Typical
71	M71	N94	N88			Corner Plate	Beam	BAR	A36 Gr.36	Typical
72	M72	N88	N95			RIGID	None	None	RIGID	Typical
73	M73	N78	N85			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M74	N85	N89			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M75	N89	N92			RIGID	None	None	RIGID	Typical
76	M76A	N93	N90			Corner Plate	Beam	BAR	A36 Gr.36	Typical
77	M77A	N90	N96			RIGID	None	None	RIGID	Typical
78	M78	N99	N97			RIGID	None	None	RIGID	Typical
79	M79A	N97	N98			RIGID	None	None	RIGID	Typical
80	M80A	N100	N99			RIGID	None	None	RIGID	Typical
81	M81	N101A	N98			RIGID	None	None	RIGID	Typical
82	M82	N103	N104			RIGID	None	None	RIGID	Typical
83	M83A	N102A	N105A			RIGID	None	None	RIGID	Typical
84	M84A	N108	N109			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
85	M85A	N106	N108			RIGID	None	None	RIGID	Typical
86	M86	N107	N109			RIGID	None	None	RIGID	Typical
87	M87	N108A	N109A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
88	M88A	N110	N111			RIGID	None	None	RIGID	Typical
89	M89	N113	N114			Support Rail	Beam	Pipe	A53 Gr.B	Typical
90	M90	N116	N117			Support Rail	Beam	Pipe	A53 Gr.B	Typical
91	M91A	N116A	N117A			RIGID	None	None	RIGID	Typical
92	MP2A	N119	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M93	N120	N121			RIGID	None	None	RIGID	Typical
94	M94	N122	N123			RIGID	None	None	RIGID	Typical
95	MP3A	N125	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N126	N127			RIGID	None	None	RIGID	Typical
97	M97	N128	N129			RIGID	None	None	RIGID	Typical
98	MP4A	N131A	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M99	N132	N133			RIGID	None	None	RIGID	Typical
100	M100	N134	N135A			RIGID	None	None	RIGID	Typical
101	MP1C	N137	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N139	N140			RIGID	None	None	RIGID	Typical
103	M103	N141	N142			RIGID	None	None	RIGID	Typical
104	MP2C	N144A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	M105	N145	N146			RIGID	None	None	RIGID	Typical
106	M106	N147	N148A			RIGID	None	None	RIGID	Typical
107	MP3C	N150	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
108	M108	N151	N152			RIGID	None	None	RIGID	Typical
109	M109	N153	N154			RIGID	None	None	RIGID	Typical
110	MP4C	N156	N155			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
111	M111	N157	N158			RIGID	None	None	RIGID	Typical
112	M112	N159	N160			RIGID	None	None	RIGID	Typical
113	MP1B	N162	N161			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	M114	N164	N165			RIGID	None	None	RIGID	Typical
115	M115	N166	N167			RIGID	None	None	RIGID	Typical
116	MP2B	N169	N168			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
117	M117	N170	N171			RIGID	None	None	RIGID	Typical
118	M118	N172	N173			RIGID	None	None	RIGID	Typical
119	MP3B	N175	N174			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
120	M120	N176	N177			RIGID	None	None	RIGID	Typical
121	M121	N178	N179			RIGID	None	None	RIGID	Typical
122	MP4B	N181	N180			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
123	M123	N182	N183			RIGID	None	None	RIGID	Typical
124	M124A	N182B	N183B			RIGID	None	None	RIGID	Typical
125	M125	N184	N185			RIGID	None	None	RIGID	Typical
126	M126	N187	N188			RIGID	None	None	RIGID	Typical
127	M127	N189	N190			RIGID	None	None	RIGID	Typical
128	M128	N192	N193			RIGID	None	None	RIGID	Typical
129	M129	N194	N195			RIGID	None	None	RIGID	Typical
130	M130	N192	N189		180	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
131	M131	N182B	N194		180	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
132	M132	N187	N184		180	Support Rail A...	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	M1						Yes	Default			None
2	M4						Yes	Default			None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	MP1A						Yes	** NA **			None
6	M43						Yes	Default			None
7	M46						Yes	Default			None
8	M51B	OOOOOX	OOOOOX				Yes	Default			None
9	M52B	OOOOOX	OOOOOX				Yes	Default			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M37A						Yes	** NA **			None
25	M37B						Yes	** NA **			None
26	M30						Yes	** NA **			None
27	M30A						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...
28	M124	BenPIN	BenPIN				Yes	** NA **			None
29	M29						Yes	Default			None
30	M30B						Yes	Default			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	Default			None
34	M34						Yes	Default			None
35	M35						Yes	Default			None
36	M36						Yes	Default			None
37	M37	OOOOOX	OOOOOX				Yes	Default			None
38	M38	OOOOOX	OOOOOX				Yes	Default			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48		BenPIN				Yes	** NA **			None
49	M49						Yes				None
50	M50A		BenPIN				Yes	** NA **			None
51	M51A						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57	BenPIN	BenPIN				Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes	Default			None
61	M61						Yes	Default			None
62	M62						Yes	Default			None
63	M63						Yes	Default			None
64	M64	OOOOOX	OOOOOX				Yes	Default			None
65	M65	OOOOOX	OOOOOX				Yes	Default			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70		BenPIN				Yes	** NA **			None
71	M71						Yes				None
72	M72		BenPIN				Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75		BenPIN				Yes	** NA **			None
76	M76A						Yes				None
77	M77A		BenPIN				Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	M84A	BenPIN	BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
85	M85A						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	Default			None
88	M88A						Yes	** NA **			None
89	M89						Yes	Default			None
90	M90						Yes	Default			None
91	M91A						Yes	** NA **			None
92	MP2A						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP3A						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	MP4A						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	MP1C						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	MP2C						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	MP3C						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	MP4C						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	MP1B						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	MP2B						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	MP3B						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	MP4B						Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124A		OOOOOO				Yes	** NA **			None
125	M125		OOOOOO				Yes	** NA **			None
126	M126		OOOOOO				Yes	** NA **			None
127	M127		OOOOOO				Yes	** NA **			None
128	M128		OOOOOO				Yes	** NA **			None
129	M129		OOOOOO				Yes	** NA **			None
130	M130						Yes	Default			None
131	M131						Yes	Default			None
132	M132						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	1.5
2	MP1A	My	-.02	1.5
3	MP1A	Mz	.007	1.5
4	MP1A	Y	-43.55	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	My	-.02	3.5
6	MP1A	Mz	.007	3.5
7	MP1B	Y	-43.55	1.5
8	MP1B	My	.014	1.5
9	MP1B	Mz	-.017	1.5
10	MP1B	Y	-43.55	3.5
11	MP1B	My	.014	3.5
12	MP1B	Mz	-.017	3.5
13	MP1C	Y	-43.55	1.5
14	MP1C	My	.007	1.5
15	MP1C	Mz	.02	1.5
16	MP1C	Y	-43.55	3.5
17	MP1C	My	.007	3.5
18	MP1C	Mz	.02	3.5
19	MP3A	Y	-31.65	1
20	MP3A	My	-.008	1
21	MP3A	Mz	.025	1
22	MP3A	Y	-31.65	4
23	MP3A	My	-.008	4
24	MP3A	Mz	.025	4
25	MP3B	Y	-31.65	1
26	MP3B	My	-.006	1
27	MP3B	Mz	-.026	1
28	MP3B	Y	-31.65	4
29	MP3B	My	-.006	4
30	MP3B	Mz	-.026	4
31	MP3C	Y	-31.65	1
32	MP3C	My	.025	1
33	MP3C	Mz	.008	1
34	MP3C	Y	-31.65	4
35	MP3C	My	.025	4
36	MP3C	Mz	.008	4
37	MP3A	Y	-31.65	1
38	MP3A	My	-.022	1
39	MP3A	Mz	-.014	1
40	MP3A	Y	-31.65	4
41	MP3A	My	-.022	4
42	MP3A	Mz	-.014	4
43	MP3B	Y	-31.65	1
44	MP3B	My	.026	1
45	MP3B	Mz	.001	1
46	MP3B	Y	-31.65	4
47	MP3B	My	.026	4
48	MP3B	Mz	.001	4
49	MP3C	Y	-31.65	1
50	MP3C	My	-.014	1
51	MP3C	Mz	.022	1
52	MP3C	Y	-31.65	4
53	MP3C	My	-.014	4
54	MP3C	Mz	.022	4
55	MP4C	Y	-22.95	.5
56	MP4C	My	.006	.5
57	MP4C	Mz	.01	.5
58	MP4C	Y	-22.95	4.5
59	MP4C	My	.006	4.5
60	MP4C	Mz	.01	4.5
61	MP4A	Y	-24.6	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4A	My	-.012	.5
63	MP4A	Mz	0	.5
64	MP4A	Y	-24.6	4.5
65	MP4A	My	-.012	4.5
66	MP4A	Mz	0	4.5
67	MP4B	Y	-24.6	.5
68	MP4B	My	.006	.5
69	MP4B	Mz	-.011	.5
70	MP4B	Y	-24.6	4.5
71	MP4B	My	.006	4.5
72	MP4B	Mz	-.011	4.5
73	M1	Y	-10.4	9.25
74	M1	My	0	9.25
75	M1	Mz	0	9.25
76	MP2B	Y	-32	.5
77	MP2B	My	-.008	.5
78	MP2B	Mz	.014	.5
79	MP3A	Y	-84.4	4
80	MP3A	My	.042	4
81	MP3A	Mz	0	4
82	MP3B	Y	-84.4	4
83	MP3B	My	-.021	4
84	MP3B	Mz	.037	4
85	MP3C	Y	-84.4	4
86	MP3C	My	-.021	4
87	MP3C	Mz	-.037	4
88	MP4A	Y	-70.3	4
89	MP4A	My	.035	4
90	MP4A	Mz	0	4
91	MP4B	Y	-70.3	4
92	MP4B	My	-.018	4
93	MP4B	Mz	.03	4
94	MP4C	Y	-70.3	4
95	MP4C	My	-.018	4
96	MP4C	Mz	-.03	4
97	M29	Y	-10.4	9.25
98	M29	My	0	9.25
99	M29	Mz	0	9.25
100	M30B	Y	-10.4	9.25
101	M30B	My	0	9.25
102	M30B	Mz	0	9.25
103	MP3A	Y	-17.6	1
104	MP3A	My	.009	1
105	MP3A	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-36.148	1.5
2	MP1A	My	-.017	1.5
3	MP1A	Mz	.006	1.5
4	MP1A	Y	-36.148	3.5
5	MP1A	My	-.017	3.5
6	MP1A	Mz	.006	3.5
7	MP1B	Y	-36.148	1.5
8	MP1B	My	.012	1.5
9	MP1B	Mz	-.014	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	Y	-36.148	3.5
11	MP1B	My	.012	3.5
12	MP1B	Mz	-.014	3.5
13	MP1C	Y	-36.148	1.5
14	MP1C	My	.006	1.5
15	MP1C	Mz	.017	1.5
16	MP1C	Y	-36.148	3.5
17	MP1C	My	.006	3.5
18	MP1C	Mz	.017	3.5
19	MP3A	Y	-70.979	1
20	MP3A	My	-.017	1
21	MP3A	Mz	.057	1
22	MP3A	Y	-70.979	4
23	MP3A	My	-.017	4
24	MP3A	Mz	.057	4
25	MP3B	Y	-70.979	1
26	MP3B	My	-.013	1
27	MP3B	Mz	-.058	1
28	MP3B	Y	-70.979	4
29	MP3B	My	-.013	4
30	MP3B	Mz	-.058	4
31	MP3C	Y	-70.979	1
32	MP3C	My	.057	1
33	MP3C	Mz	.017	1
34	MP3C	Y	-70.979	4
35	MP3C	My	.057	4
36	MP3C	Mz	.017	4
37	MP3A	Y	-70.979	1
38	MP3A	My	-.05	1
39	MP3A	Mz	-.032	1
40	MP3A	Y	-70.979	4
41	MP3A	My	-.05	4
42	MP3A	Mz	-.032	4
43	MP3B	Y	-70.979	1
44	MP3B	My	.059	1
45	MP3B	Mz	.003	1
46	MP3B	Y	-70.979	4
47	MP3B	My	.059	4
48	MP3B	Mz	.003	4
49	MP3C	Y	-70.979	1
50	MP3C	My	-.032	1
51	MP3C	Mz	.05	1
52	MP3C	Y	-70.979	4
53	MP3C	My	-.032	4
54	MP3C	Mz	.05	4
55	MP4C	Y	-68.289	.5
56	MP4C	My	.017	.5
57	MP4C	Mz	.03	.5
58	MP4C	Y	-68.289	4.5
59	MP4C	My	.017	4.5
60	MP4C	Mz	.03	4.5
61	MP4A	Y	-80.767	.5
62	MP4A	My	-.04	.5
63	MP4A	Mz	0	.5
64	MP4A	Y	-80.767	4.5
65	MP4A	My	-.04	4.5
66	MP4A	Mz	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP4B	Y	-80.767	.5
68	MP4B	My	.02	.5
69	MP4B	Mz	-.035	.5
70	MP4B	Y	-80.767	4.5
71	MP4B	My	.02	4.5
72	MP4B	Mz	-.035	4.5
73	M1	Y	-10.925	9.25
74	M1	My	0	9.25
75	M1	Mz	0	9.25
76	MP2B	Y	-89.211	.5
77	MP2B	My	-.022	.5
78	MP2B	Mz	.039	.5
79	MP3A	Y	-45.584	4
80	MP3A	My	.023	4
81	MP3A	Mz	0	4
82	MP3B	Y	-45.584	4
83	MP3B	My	-.011	4
84	MP3B	Mz	.02	4
85	MP3C	Y	-45.584	4
86	MP3C	My	-.011	4
87	MP3C	Mz	-.02	4
88	MP4A	Y	-40.999	4
89	MP4A	My	.02	4
90	MP4A	Mz	0	4
91	MP4B	Y	-40.999	4
92	MP4B	My	-.01	4
93	MP4B	Mz	.018	4
94	MP4C	Y	-40.999	4
95	MP4C	My	-.01	4
96	MP4C	Mz	-.018	4
97	M29	Y	-10.925	9.25
98	M29	My	0	9.25
99	M29	Mz	0	9.25
100	M30B	Y	-10.925	9.25
101	M30B	My	0	9.25
102	M30B	Mz	0	9.25
103	MP3A	Y	-17.63	1
104	MP3A	My	.009	1
105	MP3A	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-74.916	1.5
3	MP1A	Mx	-.013	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-74.916	3.5
6	MP1A	Mx	-.013	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-49.923	1.5
9	MP1B	Mx	.019	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	-49.923	3.5
12	MP1B	Mx	.019	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-34.166	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.016	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-34.166	3.5
18	MP1C	Mx	-.016	3.5
19	MP3A	X	0	1
20	MP3A	Z	-180.995	1
21	MP3A	Mx	-.144	1
22	MP3A	X	0	4
23	MP3A	Z	-180.995	4
24	MP3A	Mx	-.144	4
25	MP3B	X	0	1
26	MP3B	Z	-150.587	1
27	MP3B	Mx	.122	1
28	MP3B	X	0	4
29	MP3B	Z	-150.587	4
30	MP3B	Mx	.122	4
31	MP3C	X	0	1
32	MP3C	Z	-131.418	1
33	MP3C	Mx	-.032	1
34	MP3C	X	0	4
35	MP3C	Z	-131.418	4
36	MP3C	Mx	-.032	4
37	MP3A	X	0	1
38	MP3A	Z	-180.995	1
39	MP3A	Mx	.082	1
40	MP3A	X	0	4
41	MP3A	Z	-180.995	4
42	MP3A	Mx	.082	4
43	MP3B	X	0	1
44	MP3B	Z	-150.587	1
45	MP3B	Mx	-.007	1
46	MP3B	X	0	4
47	MP3B	Z	-150.587	4
48	MP3B	Mx	-.007	4
49	MP3C	X	0	1
50	MP3C	Z	-131.418	1
51	MP3C	Mx	-.092	1
52	MP3C	X	0	4
53	MP3C	Z	-131.418	4
54	MP3C	Mx	-.092	4
55	MP4C	X	0	.5
56	MP4C	Z	-143.082	.5
57	MP4C	Mx	-.062	.5
58	MP4C	X	0	4.5
59	MP4C	Z	-143.082	4.5
60	MP4C	Mx	-.062	4.5
61	MP4A	X	0	.5
62	MP4A	Z	-237.415	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	-237.415	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	-178.833	.5
69	MP4B	Mx	.077	.5
70	MP4B	X	0	4.5
71	MP4B	Z	-178.833	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP4B	Mx	.077	4.5
73	M1	X	0	9.25
74	M1	Z	-14.137	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	-107.633	.5
78	MP2B	Mx	-.047	.5
79	MP3A	X	0	4
80	MP3A	Z	-64.166	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4
83	MP3B	Z	-48.332	4
84	MP3B	Mx	-.021	4
85	MP3C	X	0	4
86	MP3C	Z	-48.332	4
87	MP3C	Mx	.021	4
88	MP4A	X	0	4
89	MP4A	Z	-64.166	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	-42.432	4
93	MP4B	Mx	-.018	4
94	MP4C	X	0	4
95	MP4C	Z	-42.432	4
96	MP4C	Mx	.018	4
97	M29	X	0	9.25
98	M29	Z	-14.137	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	-14.137	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	-39.742	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	24.961	1.5
2	MP1A	Z	-43.234	1.5
3	MP1A	Mx	-.019	1.5
4	MP1A	X	24.961	3.5
5	MP1A	Z	-43.234	3.5
6	MP1A	Mx	-.019	3.5
7	MP1B	X	14.774	1.5
8	MP1B	Z	-25.589	1.5
9	MP1B	Mx	.015	1.5
10	MP1B	X	14.774	3.5
11	MP1B	Z	-25.589	3.5
12	MP1B	Mx	.015	3.5
13	MP1C	X	29.58	1.5
14	MP1C	Z	-51.234	1.5
15	MP1C	Mx	-.019	1.5
16	MP1C	X	29.58	3.5
17	MP1C	Z	-51.234	3.5
18	MP1C	Mx	-.019	3.5
19	MP3A	X	75.294	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	Z	-130.413	1
21	MP3A	Mx	-.122	1
22	MP3A	X	75.294	4
23	MP3A	Z	-130.413	4
24	MP3A	Mx	-.122	4
25	MP3B	X	62.899	1
26	MP3B	Z	-108.945	1
27	MP3B	Mx	.077	1
28	MP3B	X	62.899	4
29	MP3B	Z	-108.945	4
30	MP3B	Mx	.077	4
31	MP3C	X	80.913	1
32	MP3C	Z	-140.145	1
33	MP3C	Mx	.031	1
34	MP3C	X	80.913	4
35	MP3C	Z	-140.145	4
36	MP3C	Mx	.031	4
37	MP3A	X	75.294	1
38	MP3A	Z	-130.413	1
39	MP3A	Mx	.007	1
40	MP3A	X	75.294	4
41	MP3A	Z	-130.413	4
42	MP3A	Mx	.007	4
43	MP3B	X	62.899	1
44	MP3B	Z	-108.945	1
45	MP3B	Mx	.047	1
46	MP3B	X	62.899	4
47	MP3B	Z	-108.945	4
48	MP3B	Mx	.047	4
49	MP3C	X	80.913	1
50	MP3C	Z	-140.145	1
51	MP3C	Mx	-.135	1
52	MP3C	X	80.913	4
53	MP3C	Z	-140.145	4
54	MP3C	Mx	-.135	4
55	MP4C	X	87.53	.5
56	MP4C	Z	-151.607	.5
57	MP4C	Mx	-.044	.5
58	MP4C	X	87.53	4.5
59	MP4C	Z	-151.607	4.5
60	MP4C	Mx	-.044	4.5
61	MP4A	X	108.944	.5
62	MP4A	Z	-188.696	.5
63	MP4A	Mx	-.054	.5
64	MP4A	X	108.944	4.5
65	MP4A	Z	-188.696	4.5
66	MP4A	Mx	-.054	4.5
67	MP4B	X	79.653	.5
68	MP4B	Z	-137.962	.5
69	MP4B	Mx	.08	.5
70	MP4B	X	79.653	4.5
71	MP4B	Z	-137.962	4.5
72	MP4B	Mx	.08	4.5
73	M1	X	5.889	9.25
74	M1	Z	-10.2	9.25
75	M1	Mx	0	9.25
76	MP2B	X	49.884	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2B	Z	-86.402	.5
78	MP2B	Mx	-.05	.5
79	MP3A	X	29.444	4
80	MP3A	Z	-50.998	4
81	MP3A	Mx	.015	4
82	MP3B	X	21.527	4
83	MP3B	Z	-37.285	4
84	MP3B	Mx	-.022	4
85	MP3C	X	29.444	4
86	MP3C	Z	-50.998	4
87	MP3C	Mx	.015	4
88	MP4A	X	28.461	4
89	MP4A	Z	-49.295	4
90	MP4A	Mx	.014	4
91	MP4B	X	17.594	4
92	MP4B	Z	-30.474	4
93	MP4B	Mx	-.018	4
94	MP4C	X	28.461	4
95	MP4C	Z	-49.295	4
96	MP4C	Mx	.014	4
97	M29	X	5.889	9.25
98	M29	Z	-10.2	9.25
99	M29	Mx	0	9.25
100	M30B	X	5.889	9.25
101	M30B	Z	-10.2	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	16.41	1
104	MP3A	Z	-28.423	1
105	MP3A	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	25.589	1.5
2	MP1A	Z	-14.774	1.5
3	MP1A	Mx	-.015	1.5
4	MP1A	X	25.589	3.5
5	MP1A	Z	-14.774	3.5
6	MP1A	Mx	-.015	3.5
7	MP1B	X	29.589	1.5
8	MP1B	Z	-17.083	1.5
9	MP1B	Mx	.016	1.5
10	MP1B	X	29.589	3.5
11	MP1B	Z	-17.083	3.5
12	MP1B	Mx	.016	3.5
13	MP1C	X	68.879	1.5
14	MP1C	Z	-39.768	1.5
15	MP1C	Mx	-.007	1.5
16	MP1C	X	68.879	3.5
17	MP1C	Z	-39.768	3.5
18	MP1C	Mx	-.007	3.5
19	MP3A	X	108.945	1
20	MP3A	Z	-62.899	1
21	MP3A	Mx	-.077	1
22	MP3A	X	108.945	4
23	MP3A	Z	-62.899	4
24	MP3A	Mx	-.077	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	113.811	1
26	MP3B	Z	-65.709	1
27	MP3B	Mx	.032	1
28	MP3B	X	113.811	4
29	MP3B	Z	-65.709	4
30	MP3B	Mx	.032	4
31	MP3C	X	161.612	1
32	MP3C	Z	-93.307	1
33	MP3C	Mx	.106	1
34	MP3C	X	161.612	4
35	MP3C	Z	-93.307	4
36	MP3C	Mx	.106	4
37	MP3A	X	108.945	1
38	MP3A	Z	-62.899	1
39	MP3A	Mx	-.047	1
40	MP3A	X	108.945	4
41	MP3A	Z	-62.899	4
42	MP3A	Mx	-.047	4
43	MP3B	X	113.811	1
44	MP3B	Z	-65.709	1
45	MP3B	Mx	.092	1
46	MP3B	X	113.811	4
47	MP3B	Z	-65.709	4
48	MP3B	Mx	.092	4
49	MP3C	X	161.612	1
50	MP3C	Z	-93.307	1
51	MP3C	Mx	-.139	1
52	MP3C	X	161.612	4
53	MP3C	Z	-93.307	4
54	MP3C	Mx	-.139	4
55	MP4C	X	165.454	.5
56	MP4C	Z	-95.525	.5
57	MP4C	Mx	0	.5
58	MP4C	X	165.454	4.5
59	MP4C	Z	-95.525	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	154.874	.5
62	MP4A	Z	-89.416	.5
63	MP4A	Mx	-.077	.5
64	MP4A	X	154.874	4.5
65	MP4A	Z	-89.416	4.5
66	MP4A	Mx	-.077	4.5
67	MP4B	X	154.874	.5
68	MP4B	Z	-89.416	.5
69	MP4B	Mx	.077	.5
70	MP4B	X	154.874	4.5
71	MP4B	Z	-89.416	4.5
72	MP4B	Mx	.077	4.5
73	M1	X	9.178	9.25
74	M1	Z	-5.299	9.25
75	M1	Mx	0	9.25
76	MP2B	X	93.213	.5
77	MP2B	Z	-53.817	.5
78	MP2B	Mx	-.047	.5
79	MP3A	X	41.856	4
80	MP3A	Z	-24.166	4
81	MP3A	Mx	.021	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3B	X	41.856	4
83	MP3B	Z	-24.166	4
84	MP3B	Mx	-.021	4
85	MP3C	X	55.569	4
86	MP3C	Z	-32.083	4
87	MP3C	Mx	0	4
88	MP4A	X	36.748	4
89	MP4A	Z	-21.216	4
90	MP4A	Mx	.018	4
91	MP4B	X	36.748	4
92	MP4B	Z	-21.216	4
93	MP4B	Mx	-.018	4
94	MP4C	X	55.569	4
95	MP4C	Z	-32.083	4
96	MP4C	Mx	0	4
97	M29	X	9.178	9.25
98	M29	Z	-5.299	9.25
99	M29	Mx	0	9.25
100	M30B	X	9.178	9.25
101	M30B	Z	-5.299	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	16.433	1
104	MP3A	Z	-9.488	1
105	MP3A	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	34.166	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.016	1.5
4	MP1A	X	34.166	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.016	3.5
7	MP1B	X	59.16	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.019	1.5
10	MP1B	X	59.16	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.019	3.5
13	MP1C	X	74.916	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.013	1.5
16	MP1C	X	74.916	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.013	3.5
19	MP3A	X	131.418	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.032	1
22	MP3A	X	131.418	4
23	MP3A	Z	0	4
24	MP3A	Mx	-.032	4
25	MP3B	X	161.826	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.031	1
28	MP3B	X	161.826	4
29	MP3B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.031	4
31	MP3C	X	180.995	1
32	MP3C	Z	0	1
33	MP3C	Mx	.144	1
34	MP3C	X	180.995	4
35	MP3C	Z	0	4
36	MP3C	Mx	.144	4
37	MP3A	X	131.418	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.092	1
40	MP3A	X	131.418	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.092	4
43	MP3B	X	161.826	1
44	MP3B	Z	0	1
45	MP3B	Mx	.135	1
46	MP3B	X	161.826	4
47	MP3B	Z	0	4
48	MP3B	Mx	.135	4
49	MP3C	X	180.995	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.082	1
52	MP3C	X	180.995	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.082	4
55	MP4C	X	175.06	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	.044	.5
58	MP4C	X	175.06	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	.044	4.5
61	MP4A	X	159.305	.5
62	MP4A	Z	0	.5
63	MP4A	Mx	-.08	.5
64	MP4A	X	159.305	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	-.08	4.5
67	MP4B	X	217.887	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.054	.5
70	MP4B	X	217.887	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	.054	4.5
73	M1	X	11.778	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	123.364	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	-.031	.5
79	MP3A	X	43.053	4
80	MP3A	Z	0	4
81	MP3A	Mx	.022	4
82	MP3B	X	58.888	4
83	MP3B	Z	0	4
84	MP3B	Mx	-.015	4
85	MP3C	X	58.888	4
86	MP3C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3C	Mx	-.015	4
88	MP4A	X	35.188	4
89	MP4A	Z	0	4
90	MP4A	Mx	.018	4
91	MP4B	X	56.922	4
92	MP4B	Z	0	4
93	MP4B	Mx	-.014	4
94	MP4C	X	56.922	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.014	4
97	M29	X	11.778	9.25
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	11.778	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	12.054	1
104	MP3A	Z	0	1
105	MP3A	Mx	.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	51.234	1.5
2	MP1A	Z	29.58	1.5
3	MP1A	Mx	-.019	1.5
4	MP1A	X	51.234	3.5
5	MP1A	Z	29.58	3.5
6	MP1A	Mx	-.019	3.5
7	MP1B	X	68.879	1.5
8	MP1B	Z	39.768	1.5
9	MP1B	Mx	.007	1.5
10	MP1B	X	68.879	3.5
11	MP1B	Z	39.768	3.5
12	MP1B	Mx	.007	3.5
13	MP1C	X	43.234	1.5
14	MP1C	Z	24.961	1.5
15	MP1C	Mx	.019	1.5
16	MP1C	X	43.234	3.5
17	MP1C	Z	24.961	3.5
18	MP1C	Mx	.019	3.5
19	MP3A	X	140.145	1
20	MP3A	Z	80.913	1
21	MP3A	Mx	.031	1
22	MP3A	X	140.145	4
23	MP3A	Z	80.913	4
24	MP3A	Mx	.031	4
25	MP3B	X	161.612	1
26	MP3B	Z	93.307	1
27	MP3B	Mx	-.106	1
28	MP3B	X	161.612	4
29	MP3B	Z	93.307	4
30	MP3B	Mx	-.106	4
31	MP3C	X	130.413	1
32	MP3C	Z	75.294	1
33	MP3C	Mx	.122	1
34	MP3C	X	130.413	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	75.294	4
36	MP3C	Mx	.122	4
37	MP3A	X	140.145	1
38	MP3A	Z	80.913	1
39	MP3A	Mx	-.135	1
40	MP3A	X	140.145	4
41	MP3A	Z	80.913	4
42	MP3A	Mx	-.135	4
43	MP3B	X	161.612	1
44	MP3B	Z	93.307	1
45	MP3B	Mx	.139	1
46	MP3B	X	161.612	4
47	MP3B	Z	93.307	4
48	MP3B	Mx	.139	4
49	MP3C	X	130.413	1
50	MP3C	Z	75.294	1
51	MP3C	Mx	-.007	1
52	MP3C	X	130.413	4
53	MP3C	Z	75.294	4
54	MP3C	Mx	-.007	4
55	MP4C	X	123.913	.5
56	MP4C	Z	71.541	.5
57	MP4C	Mx	.062	.5
58	MP4C	X	123.913	4.5
59	MP4C	Z	71.541	4.5
60	MP4C	Mx	.062	4.5
61	MP4A	X	154.874	.5
62	MP4A	Z	89.416	.5
63	MP4A	Mx	-.077	.5
64	MP4A	X	154.874	4.5
65	MP4A	Z	89.416	4.5
66	MP4A	Mx	-.077	4.5
67	MP4B	X	205.607	.5
68	MP4B	Z	118.707	.5
69	MP4B	Mx	0	.5
70	MP4B	X	205.607	4.5
71	MP4B	Z	118.707	4.5
72	MP4B	Mx	0	4.5
73	M1	X	12.243	9.25
74	M1	Z	7.069	9.25
75	M1	Mx	0	9.25
76	MP2B	X	113.649	.5
77	MP2B	Z	65.615	.5
78	MP2B	Mx	0	.5
79	MP3A	X	41.856	4
80	MP3A	Z	24.166	4
81	MP3A	Mx	.021	4
82	MP3B	X	55.569	4
83	MP3B	Z	32.083	4
84	MP3B	Mx	0	4
85	MP3C	X	41.856	4
86	MP3C	Z	24.166	4
87	MP3C	Mx	-.021	4
88	MP4A	X	36.748	4
89	MP4A	Z	21.216	4
90	MP4A	Mx	.018	4
91	MP4B	X	55.569	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4B	Z	32.083	4
93	MP4B	Mx	0	4
94	MP4C	X	36.748	4
95	MP4C	Z	21.216	4
96	MP4C	Mx	-.018	4
97	M29	X	12.243	9.25
98	M29	Z	7.069	9.25
99	M29	Mx	0	9.25
100	M30B	X	12.243	9.25
101	M30B	Z	7.069	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	16.433	1
104	MP3A	Z	9.488	1
105	MP3A	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	39.768	1.5
2	MP1A	Z	68.879	1.5
3	MP1A	Mx	-.007	1.5
4	MP1A	X	39.768	3.5
5	MP1A	Z	68.879	3.5
6	MP1A	Mx	-.007	3.5
7	MP1B	X	37.458	1.5
8	MP1B	Z	64.879	1.5
9	MP1B	Mx	-.013	1.5
10	MP1B	X	37.458	3.5
11	MP1B	Z	64.879	3.5
12	MP1B	Mx	-.013	3.5
13	MP1C	X	14.774	1.5
14	MP1C	Z	25.589	1.5
15	MP1C	Mx	.015	1.5
16	MP1C	X	14.774	3.5
17	MP1C	Z	25.589	3.5
18	MP1C	Mx	.015	3.5
19	MP3A	X	93.307	1
20	MP3A	Z	161.612	1
21	MP3A	Mx	.106	1
22	MP3A	X	93.307	4
23	MP3A	Z	161.612	4
24	MP3A	Mx	.106	4
25	MP3B	X	90.497	1
26	MP3B	Z	156.746	1
27	MP3B	Mx	-.144	1
28	MP3B	X	90.497	4
29	MP3B	Z	156.746	4
30	MP3B	Mx	-.144	4
31	MP3C	X	62.899	1
32	MP3C	Z	108.945	1
33	MP3C	Mx	.077	1
34	MP3C	X	62.899	4
35	MP3C	Z	108.945	4
36	MP3C	Mx	.077	4
37	MP3A	X	93.307	1
38	MP3A	Z	161.612	1
39	MP3A	Mx	-.139	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	93.307	4
41	MP3A	Z	161.612	4
42	MP3A	Mx	-.139	4
43	MP3B	X	90.497	1
44	MP3B	Z	156.746	1
45	MP3B	Mx	.082	1
46	MP3B	X	90.497	4
47	MP3B	Z	156.746	4
48	MP3B	Mx	.082	4
49	MP3C	X	62.899	1
50	MP3C	Z	108.945	1
51	MP3C	Mx	.047	1
52	MP3C	X	62.899	4
53	MP3C	Z	108.945	4
54	MP3C	Mx	.047	4
55	MP4C	X	63.547	.5
56	MP4C	Z	110.066	.5
57	MP4C	Mx	.064	.5
58	MP4C	X	63.547	4.5
59	MP4C	Z	110.066	4.5
60	MP4C	Mx	.064	4.5
61	MP4A	X	108.944	.5
62	MP4A	Z	188.696	.5
63	MP4A	Mx	-.054	.5
64	MP4A	X	108.944	4.5
65	MP4A	Z	188.696	4.5
66	MP4A	Mx	-.054	4.5
67	MP4B	X	108.944	.5
68	MP4B	Z	188.696	.5
69	MP4B	Mx	-.054	.5
70	MP4B	X	108.944	4.5
71	MP4B	Z	188.696	4.5
72	MP4B	Mx	-.054	4.5
73	M1	X	7.659	9.25
74	M1	Z	13.265	9.25
75	M1	Mx	0	9.25
76	MP2B	X	61.682	.5
77	MP2B	Z	106.837	.5
78	MP2B	Mx	.031	.5
79	MP3A	X	29.444	4
80	MP3A	Z	50.998	4
81	MP3A	Mx	.015	4
82	MP3B	X	29.444	4
83	MP3B	Z	50.998	4
84	MP3B	Mx	.015	4
85	MP3C	X	21.527	4
86	MP3C	Z	37.285	4
87	MP3C	Mx	-.022	4
88	MP4A	X	28.461	4
89	MP4A	Z	49.295	4
90	MP4A	Mx	.014	4
91	MP4B	X	28.461	4
92	MP4B	Z	49.295	4
93	MP4B	Mx	.014	4
94	MP4C	X	17.594	4
95	MP4C	Z	30.474	4
96	MP4C	Mx	-.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	M29	X	7.659	9.25
98	M29	Z	13.265	9.25
99	M29	Mx	0	9.25
100	M30B	X	7.659	9.25
101	M30B	Z	13.265	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	16.41	1
104	MP3A	Z	28.423	1
105	MP3A	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	74.916	1.5
3	MP1A	Mx	.013	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	74.916	3.5
6	MP1A	Mx	.013	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	49.923	1.5
9	MP1B	Mx	-.019	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	49.923	3.5
12	MP1B	Mx	-.019	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	34.166	1.5
15	MP1C	Mx	.016	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	34.166	3.5
18	MP1C	Mx	.016	3.5
19	MP3A	X	0	1
20	MP3A	Z	180.995	1
21	MP3A	Mx	.144	1
22	MP3A	X	0	4
23	MP3A	Z	180.995	4
24	MP3A	Mx	.144	4
25	MP3B	X	0	1
26	MP3B	Z	150.587	1
27	MP3B	Mx	-.122	1
28	MP3B	X	0	4
29	MP3B	Z	150.587	4
30	MP3B	Mx	-.122	4
31	MP3C	X	0	1
32	MP3C	Z	131.418	1
33	MP3C	Mx	.032	1
34	MP3C	X	0	4
35	MP3C	Z	131.418	4
36	MP3C	Mx	.032	4
37	MP3A	X	0	1
38	MP3A	Z	180.995	1
39	MP3A	Mx	-.082	1
40	MP3A	X	0	4
41	MP3A	Z	180.995	4
42	MP3A	Mx	-.082	4
43	MP3B	X	0	1
44	MP3B	Z	150.587	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.007	1
46	MP3B	X	0	4
47	MP3B	Z	150.587	4
48	MP3B	Mx	.007	4
49	MP3C	X	0	1
50	MP3C	Z	131.418	1
51	MP3C	Mx	.092	1
52	MP3C	X	0	4
53	MP3C	Z	131.418	4
54	MP3C	Mx	.092	4
55	MP4C	X	0	.5
56	MP4C	Z	143.082	.5
57	MP4C	Mx	.062	.5
58	MP4C	X	0	4.5
59	MP4C	Z	143.082	4.5
60	MP4C	Mx	.062	4.5
61	MP4A	X	0	.5
62	MP4A	Z	237.415	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	237.415	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	178.833	.5
69	MP4B	Mx	-.077	.5
70	MP4B	X	0	4.5
71	MP4B	Z	178.833	4.5
72	MP4B	Mx	-.077	4.5
73	M1	X	0	9.25
74	M1	Z	14.137	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	107.633	.5
78	MP2B	Mx	.047	.5
79	MP3A	X	0	4
80	MP3A	Z	64.166	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4
83	MP3B	Z	48.332	4
84	MP3B	Mx	.021	4
85	MP3C	X	0	4
86	MP3C	Z	48.332	4
87	MP3C	Mx	-.021	4
88	MP4A	X	0	4
89	MP4A	Z	64.166	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	42.432	4
93	MP4B	Mx	.018	4
94	MP4C	X	0	4
95	MP4C	Z	42.432	4
96	MP4C	Mx	-.018	4
97	M29	X	0	9.25
98	M29	Z	14.137	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	14.137	9.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	39.742	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-24.961	1.5
2	MP1A	Z	43.234	1.5
3	MP1A	Mx	.019	1.5
4	MP1A	X	-24.961	3.5
5	MP1A	Z	43.234	3.5
6	MP1A	Mx	.019	3.5
7	MP1B	X	-14.774	1.5
8	MP1B	Z	25.589	1.5
9	MP1B	Mx	-.015	1.5
10	MP1B	X	-14.774	3.5
11	MP1B	Z	25.589	3.5
12	MP1B	Mx	-.015	3.5
13	MP1C	X	-29.58	1.5
14	MP1C	Z	51.234	1.5
15	MP1C	Mx	.019	1.5
16	MP1C	X	-29.58	3.5
17	MP1C	Z	51.234	3.5
18	MP1C	Mx	.019	3.5
19	MP3A	X	-75.294	1
20	MP3A	Z	130.413	1
21	MP3A	Mx	.122	1
22	MP3A	X	-75.294	4
23	MP3A	Z	130.413	4
24	MP3A	Mx	.122	4
25	MP3B	X	-62.899	1
26	MP3B	Z	108.945	1
27	MP3B	Mx	-.077	1
28	MP3B	X	-62.899	4
29	MP3B	Z	108.945	4
30	MP3B	Mx	-.077	4
31	MP3C	X	-80.913	1
32	MP3C	Z	140.145	1
33	MP3C	Mx	-.031	1
34	MP3C	X	-80.913	4
35	MP3C	Z	140.145	4
36	MP3C	Mx	-.031	4
37	MP3A	X	-75.294	1
38	MP3A	Z	130.413	1
39	MP3A	Mx	-.007	1
40	MP3A	X	-75.294	4
41	MP3A	Z	130.413	4
42	MP3A	Mx	-.007	4
43	MP3B	X	-62.899	1
44	MP3B	Z	108.945	1
45	MP3B	Mx	-.047	1
46	MP3B	X	-62.899	4
47	MP3B	Z	108.945	4
48	MP3B	Mx	-.047	4
49	MP3C	X	-80.913	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	140.145	1
51	MP3C	Mx	.135	1
52	MP3C	X	-80.913	4
53	MP3C	Z	140.145	4
54	MP3C	Mx	.135	4
55	MP4C	X	-87.53	.5
56	MP4C	Z	151.607	.5
57	MP4C	Mx	.044	.5
58	MP4C	X	-87.53	4.5
59	MP4C	Z	151.607	4.5
60	MP4C	Mx	.044	4.5
61	MP4A	X	-108.944	.5
62	MP4A	Z	188.696	.5
63	MP4A	Mx	.054	.5
64	MP4A	X	-108.944	4.5
65	MP4A	Z	188.696	4.5
66	MP4A	Mx	.054	4.5
67	MP4B	X	-79.653	.5
68	MP4B	Z	137.962	.5
69	MP4B	Mx	-.08	.5
70	MP4B	X	-79.653	4.5
71	MP4B	Z	137.962	4.5
72	MP4B	Mx	-.08	4.5
73	M1	X	-5.889	9.25
74	M1	Z	10.2	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-49.884	.5
77	MP2B	Z	86.402	.5
78	MP2B	Mx	.05	.5
79	MP3A	X	-29.444	4
80	MP3A	Z	50.998	4
81	MP3A	Mx	-.015	4
82	MP3B	X	-21.527	4
83	MP3B	Z	37.285	4
84	MP3B	Mx	.022	4
85	MP3C	X	-29.444	4
86	MP3C	Z	50.998	4
87	MP3C	Mx	-.015	4
88	MP4A	X	-28.461	4
89	MP4A	Z	49.295	4
90	MP4A	Mx	-.014	4
91	MP4B	X	-17.594	4
92	MP4B	Z	30.474	4
93	MP4B	Mx	.018	4
94	MP4C	X	-28.461	4
95	MP4C	Z	49.295	4
96	MP4C	Mx	-.014	4
97	M29	X	-5.889	9.25
98	M29	Z	10.2	9.25
99	M29	Mx	0	9.25
100	M30B	X	-5.889	9.25
101	M30B	Z	10.2	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-16.41	1
104	MP3A	Z	28.423	1
105	MP3A	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-25.589	1.5
2	MP1A	Z	14.774	1.5
3	MP1A	Mx	.015	1.5
4	MP1A	X	-25.589	3.5
5	MP1A	Z	14.774	3.5
6	MP1A	Mx	.015	3.5
7	MP1B	X	-29.589	1.5
8	MP1B	Z	17.083	1.5
9	MP1B	Mx	-.016	1.5
10	MP1B	X	-29.589	3.5
11	MP1B	Z	17.083	3.5
12	MP1B	Mx	-.016	3.5
13	MP1C	X	-68.879	1.5
14	MP1C	Z	39.768	1.5
15	MP1C	Mx	.007	1.5
16	MP1C	X	-68.879	3.5
17	MP1C	Z	39.768	3.5
18	MP1C	Mx	.007	3.5
19	MP3A	X	-108.945	1
20	MP3A	Z	62.899	1
21	MP3A	Mx	.077	1
22	MP3A	X	-108.945	4
23	MP3A	Z	62.899	4
24	MP3A	Mx	.077	4
25	MP3B	X	-113.811	1
26	MP3B	Z	65.709	1
27	MP3B	Mx	-.032	1
28	MP3B	X	-113.811	4
29	MP3B	Z	65.709	4
30	MP3B	Mx	-.032	4
31	MP3C	X	-161.612	1
32	MP3C	Z	93.307	1
33	MP3C	Mx	-.106	1
34	MP3C	X	-161.612	4
35	MP3C	Z	93.307	4
36	MP3C	Mx	-.106	4
37	MP3A	X	-108.945	1
38	MP3A	Z	62.899	1
39	MP3A	Mx	.047	1
40	MP3A	X	-108.945	4
41	MP3A	Z	62.899	4
42	MP3A	Mx	.047	4
43	MP3B	X	-113.811	1
44	MP3B	Z	65.709	1
45	MP3B	Mx	-.092	1
46	MP3B	X	-113.811	4
47	MP3B	Z	65.709	4
48	MP3B	Mx	-.092	4
49	MP3C	X	-161.612	1
50	MP3C	Z	93.307	1
51	MP3C	Mx	.139	1
52	MP3C	X	-161.612	4
53	MP3C	Z	93.307	4
54	MP3C	Mx	.139	4
55	MP4C	X	-165.454	.5
56	MP4C	Z	95.525	.5
57	MP4C	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-165.454	4.5
59	MP4C	Z	95.525	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	-154.874	.5
62	MP4A	Z	89.416	.5
63	MP4A	Mx	.077	.5
64	MP4A	X	-154.874	4.5
65	MP4A	Z	89.416	4.5
66	MP4A	Mx	.077	4.5
67	MP4B	X	-154.874	.5
68	MP4B	Z	89.416	.5
69	MP4B	Mx	-.077	.5
70	MP4B	X	-154.874	4.5
71	MP4B	Z	89.416	4.5
72	MP4B	Mx	-.077	4.5
73	M1	X	-9.178	9.25
74	M1	Z	5.299	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-93.213	.5
77	MP2B	Z	53.817	.5
78	MP2B	Mx	.047	.5
79	MP3A	X	-41.856	4
80	MP3A	Z	24.166	4
81	MP3A	Mx	-.021	4
82	MP3B	X	-41.856	4
83	MP3B	Z	24.166	4
84	MP3B	Mx	.021	4
85	MP3C	X	-55.569	4
86	MP3C	Z	32.083	4
87	MP3C	Mx	0	4
88	MP4A	X	-36.748	4
89	MP4A	Z	21.216	4
90	MP4A	Mx	-.018	4
91	MP4B	X	-36.748	4
92	MP4B	Z	21.216	4
93	MP4B	Mx	.018	4
94	MP4C	X	-55.569	4
95	MP4C	Z	32.083	4
96	MP4C	Mx	0	4
97	M29	X	-9.178	9.25
98	M29	Z	5.299	9.25
99	M29	Mx	0	9.25
100	M30B	X	-9.178	9.25
101	M30B	Z	5.299	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-16.433	1
104	MP3A	Z	9.488	1
105	MP3A	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-34.166	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.016	1.5
4	MP1A	X	-34.166	3.5
5	MP1A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.016	3.5
7	MP1B	X	-59.16	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.019	1.5
10	MP1B	X	-59.16	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.019	3.5
13	MP1C	X	-74.916	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.013	1.5
16	MP1C	X	-74.916	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.013	3.5
19	MP3A	X	-131.418	1
20	MP3A	Z	0	1
21	MP3A	Mx	.032	1
22	MP3A	X	-131.418	4
23	MP3A	Z	0	4
24	MP3A	Mx	.032	4
25	MP3B	X	-161.826	1
26	MP3B	Z	0	1
27	MP3B	Mx	.031	1
28	MP3B	X	-161.826	4
29	MP3B	Z	0	4
30	MP3B	Mx	.031	4
31	MP3C	X	-180.995	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.144	1
34	MP3C	X	-180.995	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.144	4
37	MP3A	X	-131.418	1
38	MP3A	Z	0	1
39	MP3A	Mx	.092	1
40	MP3A	X	-131.418	4
41	MP3A	Z	0	4
42	MP3A	Mx	.092	4
43	MP3B	X	-161.826	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.135	1
46	MP3B	X	-161.826	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.135	4
49	MP3C	X	-180.995	1
50	MP3C	Z	0	1
51	MP3C	Mx	.082	1
52	MP3C	X	-180.995	4
53	MP3C	Z	0	4
54	MP3C	Mx	.082	4
55	MP4C	X	-175.06	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	-.044	.5
58	MP4C	X	-175.06	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	-.044	4.5
61	MP4A	X	-159.305	.5
62	MP4A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	.08	.5
64	MP4A	X	-159.305	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	.08	4.5
67	MP4B	X	-217.887	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.054	.5
70	MP4B	X	-217.887	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	-.054	4.5
73	M1	X	-11.778	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-123.364	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	.031	.5
79	MP3A	X	-43.053	4
80	MP3A	Z	0	4
81	MP3A	Mx	-.022	4
82	MP3B	X	-58.888	4
83	MP3B	Z	0	4
84	MP3B	Mx	.015	4
85	MP3C	X	-58.888	4
86	MP3C	Z	0	4
87	MP3C	Mx	.015	4
88	MP4A	X	-35.188	4
89	MP4A	Z	0	4
90	MP4A	Mx	-.018	4
91	MP4B	X	-56.922	4
92	MP4B	Z	0	4
93	MP4B	Mx	.014	4
94	MP4C	X	-56.922	4
95	MP4C	Z	0	4
96	MP4C	Mx	.014	4
97	M29	X	-11.778	9.25
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	-11.778	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-12.054	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-51.234	1.5
2	MP1A	Z	-29.58	1.5
3	MP1A	Mx	.019	1.5
4	MP1A	X	-51.234	3.5
5	MP1A	Z	-29.58	3.5
6	MP1A	Mx	.019	3.5
7	MP1B	X	-68.879	1.5
8	MP1B	Z	-39.768	1.5
9	MP1B	Mx	-.007	1.5
10	MP1B	X	-68.879	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-39.768	3.5
12	MP1B	Mx	-.007	3.5
13	MP1C	X	-43.234	1.5
14	MP1C	Z	-24.961	1.5
15	MP1C	Mx	-.019	1.5
16	MP1C	X	-43.234	3.5
17	MP1C	Z	-24.961	3.5
18	MP1C	Mx	-.019	3.5
19	MP3A	X	-140.145	1
20	MP3A	Z	-80.913	1
21	MP3A	Mx	-.031	1
22	MP3A	X	-140.145	4
23	MP3A	Z	-80.913	4
24	MP3A	Mx	-.031	4
25	MP3B	X	-161.612	1
26	MP3B	Z	-93.307	1
27	MP3B	Mx	.106	1
28	MP3B	X	-161.612	4
29	MP3B	Z	-93.307	4
30	MP3B	Mx	.106	4
31	MP3C	X	-130.413	1
32	MP3C	Z	-75.294	1
33	MP3C	Mx	-.122	1
34	MP3C	X	-130.413	4
35	MP3C	Z	-75.294	4
36	MP3C	Mx	-.122	4
37	MP3A	X	-140.145	1
38	MP3A	Z	-80.913	1
39	MP3A	Mx	.135	1
40	MP3A	X	-140.145	4
41	MP3A	Z	-80.913	4
42	MP3A	Mx	.135	4
43	MP3B	X	-161.612	1
44	MP3B	Z	-93.307	1
45	MP3B	Mx	-.139	1
46	MP3B	X	-161.612	4
47	MP3B	Z	-93.307	4
48	MP3B	Mx	-.139	4
49	MP3C	X	-130.413	1
50	MP3C	Z	-75.294	1
51	MP3C	Mx	.007	1
52	MP3C	X	-130.413	4
53	MP3C	Z	-75.294	4
54	MP3C	Mx	.007	4
55	MP4C	X	-123.913	.5
56	MP4C	Z	-71.541	.5
57	MP4C	Mx	-.062	.5
58	MP4C	X	-123.913	4.5
59	MP4C	Z	-71.541	4.5
60	MP4C	Mx	-.062	4.5
61	MP4A	X	-154.874	.5
62	MP4A	Z	-89.416	.5
63	MP4A	Mx	.077	.5
64	MP4A	X	-154.874	4.5
65	MP4A	Z	-89.416	4.5
66	MP4A	Mx	.077	4.5
67	MP4B	X	-205.607	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	-118.707	.5
69	MP4B	Mx	0	.5
70	MP4B	X	-205.607	4.5
71	MP4B	Z	-118.707	4.5
72	MP4B	Mx	0	4.5
73	M1	X	-12.243	9.25
74	M1	Z	-7.069	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-113.649	.5
77	MP2B	Z	-65.615	.5
78	MP2B	Mx	0	.5
79	MP3A	X	-41.856	4
80	MP3A	Z	-24.166	4
81	MP3A	Mx	-.021	4
82	MP3B	X	-55.569	4
83	MP3B	Z	-32.083	4
84	MP3B	Mx	0	4
85	MP3C	X	-41.856	4
86	MP3C	Z	-24.166	4
87	MP3C	Mx	.021	4
88	MP4A	X	-36.748	4
89	MP4A	Z	-21.216	4
90	MP4A	Mx	-.018	4
91	MP4B	X	-55.569	4
92	MP4B	Z	-32.083	4
93	MP4B	Mx	0	4
94	MP4C	X	-36.748	4
95	MP4C	Z	-21.216	4
96	MP4C	Mx	.018	4
97	M29	X	-12.243	9.25
98	M29	Z	-7.069	9.25
99	M29	Mx	0	9.25
100	M30B	X	-12.243	9.25
101	M30B	Z	-7.069	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-16.433	1
104	MP3A	Z	-9.488	1
105	MP3A	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-39.768	1.5
2	MP1A	Z	-68.879	1.5
3	MP1A	Mx	.007	1.5
4	MP1A	X	-39.768	3.5
5	MP1A	Z	-68.879	3.5
6	MP1A	Mx	.007	3.5
7	MP1B	X	-37.458	1.5
8	MP1B	Z	-64.879	1.5
9	MP1B	Mx	.013	1.5
10	MP1B	X	-37.458	3.5
11	MP1B	Z	-64.879	3.5
12	MP1B	Mx	.013	3.5
13	MP1C	X	-14.774	1.5
14	MP1C	Z	-25.589	1.5
15	MP1C	Mx	-.015	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	-14.774	3.5
17	MP1C	Z	-25.589	3.5
18	MP1C	Mx	-.015	3.5
19	MP3A	X	-93.307	1
20	MP3A	Z	-161.612	1
21	MP3A	Mx	-.106	1
22	MP3A	X	-93.307	4
23	MP3A	Z	-161.612	4
24	MP3A	Mx	-.106	4
25	MP3B	X	-90.497	1
26	MP3B	Z	-156.746	1
27	MP3B	Mx	.144	1
28	MP3B	X	-90.497	4
29	MP3B	Z	-156.746	4
30	MP3B	Mx	.144	4
31	MP3C	X	-62.899	1
32	MP3C	Z	-108.945	1
33	MP3C	Mx	-.077	1
34	MP3C	X	-62.899	4
35	MP3C	Z	-108.945	4
36	MP3C	Mx	-.077	4
37	MP3A	X	-93.307	1
38	MP3A	Z	-161.612	1
39	MP3A	Mx	.139	1
40	MP3A	X	-93.307	4
41	MP3A	Z	-161.612	4
42	MP3A	Mx	.139	4
43	MP3B	X	-90.497	1
44	MP3B	Z	-156.746	1
45	MP3B	Mx	-.082	1
46	MP3B	X	-90.497	4
47	MP3B	Z	-156.746	4
48	MP3B	Mx	-.082	4
49	MP3C	X	-62.899	1
50	MP3C	Z	-108.945	1
51	MP3C	Mx	-.047	1
52	MP3C	X	-62.899	4
53	MP3C	Z	-108.945	4
54	MP3C	Mx	-.047	4
55	MP4C	X	-63.547	.5
56	MP4C	Z	-110.066	.5
57	MP4C	Mx	-.064	.5
58	MP4C	X	-63.547	4.5
59	MP4C	Z	-110.066	4.5
60	MP4C	Mx	-.064	4.5
61	MP4A	X	-108.944	.5
62	MP4A	Z	-188.696	.5
63	MP4A	Mx	.054	.5
64	MP4A	X	-108.944	4.5
65	MP4A	Z	-188.696	4.5
66	MP4A	Mx	.054	4.5
67	MP4B	X	-108.944	.5
68	MP4B	Z	-188.696	.5
69	MP4B	Mx	.054	.5
70	MP4B	X	-108.944	4.5
71	MP4B	Z	-188.696	4.5
72	MP4B	Mx	.054	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M1	X	-7.659	9.25
74	M1	Z	-13.265	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-61.682	.5
77	MP2B	Z	-106.837	.5
78	MP2B	Mx	-.031	.5
79	MP3A	X	-29.444	4
80	MP3A	Z	-50.998	4
81	MP3A	Mx	-.015	4
82	MP3B	X	-29.444	4
83	MP3B	Z	-50.998	4
84	MP3B	Mx	-.015	4
85	MP3C	X	-21.527	4
86	MP3C	Z	-37.285	4
87	MP3C	Mx	.022	4
88	MP4A	X	-28.461	4
89	MP4A	Z	-49.295	4
90	MP4A	Mx	-.014	4
91	MP4B	X	-28.461	4
92	MP4B	Z	-49.295	4
93	MP4B	Mx	-.014	4
94	MP4C	X	-17.594	4
95	MP4C	Z	-30.474	4
96	MP4C	Mx	.018	4
97	M29	X	-7.659	9.25
98	M29	Z	-13.265	9.25
99	M29	Mx	0	9.25
100	M30B	X	-7.659	9.25
101	M30B	Z	-13.265	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-16.41	1
104	MP3A	Z	-28.423	1
105	MP3A	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-15.191	1.5
3	MP1A	Mx	-.003	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-15.191	3.5
6	MP1A	Mx	-.003	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-10.803	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	-10.803	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-8.037	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-8.037	3.5
18	MP1C	Mx	-.004	3.5
19	MP3A	X	0	1
20	MP3A	Z	-29.468	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.024	1
22	MP3A	X	0	4
23	MP3A	Z	-29.468	4
24	MP3A	Mx	-.024	4
25	MP3B	X	0	1
26	MP3B	Z	-24.902	1
27	MP3B	Mx	.02	1
28	MP3B	X	0	4
29	MP3B	Z	-24.902	4
30	MP3B	Mx	.02	4
31	MP3C	X	0	1
32	MP3C	Z	-22.024	1
33	MP3C	Mx	-.005	1
34	MP3C	X	0	4
35	MP3C	Z	-22.024	4
36	MP3C	Mx	-.005	4
37	MP3A	X	0	1
38	MP3A	Z	-29.468	1
39	MP3A	Mx	.013	1
40	MP3A	X	0	4
41	MP3A	Z	-29.468	4
42	MP3A	Mx	.013	4
43	MP3B	X	0	1
44	MP3B	Z	-24.902	1
45	MP3B	Mx	-.001	1
46	MP3B	X	0	4
47	MP3B	Z	-24.902	4
48	MP3B	Mx	-.001	4
49	MP3C	X	0	1
50	MP3C	Z	-22.024	1
51	MP3C	Mx	-.015	1
52	MP3C	X	0	4
53	MP3C	Z	-22.024	4
54	MP3C	Mx	-.015	4
55	MP4C	X	0	.5
56	MP4C	Z	-23.925	.5
57	MP4C	Mx	-.01	.5
58	MP4C	X	0	4.5
59	MP4C	Z	-23.925	4.5
60	MP4C	Mx	-.01	4.5
61	MP4A	X	0	.5
62	MP4A	Z	-38.473	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	-38.473	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	-29.621	.5
69	MP4B	Mx	.013	.5
70	MP4B	X	0	4.5
71	MP4B	Z	-29.621	4.5
72	MP4B	Mx	.013	4.5
73	M1	X	0	9.25
74	M1	Z	-3.135	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	-23.599	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2B	Mx	-.01	.5
79	MP3A	X	0	4
80	MP3A	Z	-13.734	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4
83	MP3B	Z	-10.602	4
84	MP3B	Mx	-.005	4
85	MP3C	X	0	4
86	MP3C	Z	-10.602	4
87	MP3C	Mx	.005	4
88	MP4A	X	0	4
89	MP4A	Z	-13.734	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	-9.412	4
93	MP4B	Mx	-.004	4
94	MP4C	X	0	4
95	MP4C	Z	-9.412	4
96	MP4C	Mx	.004	4
97	M29	X	0	9.25
98	M29	Z	-3.135	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	-3.135	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	-7.556	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.401	1.5
2	MP1A	Z	-9.356	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	5.401	3.5
5	MP1A	Z	-9.356	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	3.613	1.5
8	MP1B	Z	-6.258	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	3.613	3.5
11	MP1B	Z	-6.258	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	6.212	1.5
14	MP1C	Z	-10.76	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	6.212	3.5
17	MP1C	Z	-10.76	3.5
18	MP1C	Mx	-.004	3.5
19	MP3A	X	12.451	1
20	MP3A	Z	-21.566	1
21	MP3A	Mx	-.02	1
22	MP3A	X	12.451	4
23	MP3A	Z	-21.566	4
24	MP3A	Mx	-.02	4
25	MP3B	X	10.59	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-18.343	1
27	MP3B	Mx	.013	1
28	MP3B	X	10.59	4
29	MP3B	Z	-18.343	4
30	MP3B	Mx	.013	4
31	MP3C	X	13.295	1
32	MP3C	Z	-23.027	1
33	MP3C	Mx	.005	1
34	MP3C	X	13.295	4
35	MP3C	Z	-23.027	4
36	MP3C	Mx	.005	4
37	MP3A	X	12.451	1
38	MP3A	Z	-21.566	1
39	MP3A	Mx	.001	1
40	MP3A	X	12.451	4
41	MP3A	Z	-21.566	4
42	MP3A	Mx	.001	4
43	MP3B	X	10.59	1
44	MP3B	Z	-18.343	1
45	MP3B	Mx	.008	1
46	MP3B	X	10.59	4
47	MP3B	Z	-18.343	4
48	MP3B	Mx	.008	4
49	MP3C	X	13.295	1
50	MP3C	Z	-23.027	1
51	MP3C	Mx	-.022	1
52	MP3C	X	13.295	4
53	MP3C	Z	-23.027	4
54	MP3C	Mx	-.022	4
55	MP4C	X	14.367	.5
56	MP4C	Z	-24.884	.5
57	MP4C	Mx	-.007	.5
58	MP4C	X	14.367	4.5
59	MP4C	Z	-24.884	4.5
60	MP4C	Mx	-.007	4.5
61	MP4A	X	17.761	.5
62	MP4A	Z	-30.763	.5
63	MP4A	Mx	-.009	.5
64	MP4A	X	17.761	4.5
65	MP4A	Z	-30.763	4.5
66	MP4A	Mx	-.009	4.5
67	MP4B	X	13.335	.5
68	MP4B	Z	-23.097	.5
69	MP4B	Mx	.013	.5
70	MP4B	X	13.335	4.5
71	MP4B	Z	-23.097	4.5
72	MP4B	Mx	.013	4.5
73	M1	X	1.359	9.25
74	M1	Z	-2.354	9.25
75	M1	Mx	0	9.25
76	MP2B	X	11.032	.5
77	MP2B	Z	-19.107	.5
78	MP2B	Mx	-.011	.5
79	MP3A	X	6.345	4
80	MP3A	Z	-10.99	4
81	MP3A	Mx	.003	4
82	MP3B	X	4.779	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	-8.278	4
84	MP3B	Mx	-.005	4
85	MP3C	X	6.345	4
86	MP3C	Z	-10.99	4
87	MP3C	Mx	.003	4
88	MP4A	X	6.147	4
89	MP4A	Z	-10.647	4
90	MP4A	Mx	.003	4
91	MP4B	X	3.986	4
92	MP4B	Z	-6.904	4
93	MP4B	Mx	-.004	4
94	MP4C	X	6.147	4
95	MP4C	Z	-10.647	4
96	MP4C	Mx	.003	4
97	M29	X	1.359	9.25
98	M29	Z	-2.354	9.25
99	M29	Mx	0	9.25
100	M30B	X	1.359	9.25
101	M30B	Z	-2.354	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	3.19	1
104	MP3A	Z	-5.526	1
105	MP3A	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.258	1.5
2	MP1A	Z	-3.613	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	6.258	3.5
5	MP1A	Z	-3.613	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	6.96	1.5
8	MP1B	Z	-4.018	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	6.96	3.5
11	MP1B	Z	-4.018	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	13.858	1.5
14	MP1C	Z	-8.001	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	13.858	3.5
17	MP1C	Z	-8.001	3.5
18	MP1C	Mx	-.001	3.5
19	MP3A	X	18.343	1
20	MP3A	Z	-10.59	1
21	MP3A	Mx	-.013	1
22	MP3A	X	18.343	4
23	MP3A	Z	-10.59	4
24	MP3A	Mx	-.013	4
25	MP3B	X	19.073	1
26	MP3B	Z	-11.012	1
27	MP3B	Mx	.005	1
28	MP3B	X	19.073	4
29	MP3B	Z	-11.012	4
30	MP3B	Mx	.005	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	26.25	1
32	MP3C	Z	-15.156	1
33	MP3C	Mx	.017	1
34	MP3C	X	26.25	4
35	MP3C	Z	-15.156	4
36	MP3C	Mx	.017	4
37	MP3A	X	18.343	1
38	MP3A	Z	-10.59	1
39	MP3A	Mx	-.008	1
40	MP3A	X	18.343	4
41	MP3A	Z	-10.59	4
42	MP3A	Mx	-.008	4
43	MP3B	X	19.073	1
44	MP3B	Z	-11.012	1
45	MP3B	Mx	.015	1
46	MP3B	X	19.073	4
47	MP3B	Z	-11.012	4
48	MP3B	Mx	.015	4
49	MP3C	X	26.25	1
50	MP3C	Z	-15.156	1
51	MP3C	Mx	-.023	1
52	MP3C	X	26.25	4
53	MP3C	Z	-15.156	4
54	MP3C	Mx	-.023	4
55	MP4C	X	26.966	.5
56	MP4C	Z	-15.569	.5
57	MP4C	Mx	0	.5
58	MP4C	X	26.966	4.5
59	MP4C	Z	-15.569	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	25.652	.5
62	MP4A	Z	-14.81	.5
63	MP4A	Mx	-.013	.5
64	MP4A	X	25.652	4.5
65	MP4A	Z	-14.81	4.5
66	MP4A	Mx	-.013	4.5
67	MP4B	X	25.652	.5
68	MP4B	Z	-14.81	.5
69	MP4B	Mx	.013	.5
70	MP4B	X	25.652	4.5
71	MP4B	Z	-14.81	4.5
72	MP4B	Mx	.013	4.5
73	M1	X	2.174	9.25
74	M1	Z	-1.255	9.25
75	M1	Mx	0	9.25
76	MP2B	X	20.437	.5
77	MP2B	Z	-11.799	.5
78	MP2B	Mx	-.01	.5
79	MP3A	X	9.182	4
80	MP3A	Z	-5.301	4
81	MP3A	Mx	.005	4
82	MP3B	X	9.182	4
83	MP3B	Z	-5.301	4
84	MP3B	Mx	-.005	4
85	MP3C	X	11.894	4
86	MP3C	Z	-6.867	4
87	MP3C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4A	X	8.151	4
89	MP4A	Z	-4.706	4
90	MP4A	Mx	.004	4
91	MP4B	X	8.151	4
92	MP4B	Z	-4.706	4
93	MP4B	Mx	-.004	4
94	MP4C	X	11.894	4
95	MP4C	Z	-6.867	4
96	MP4C	Mx	0	4
97	M29	X	2.174	9.25
98	M29	Z	-1.255	9.25
99	M29	Mx	0	9.25
100	M30B	X	2.174	9.25
101	M30B	Z	-1.255	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	3.49	1
104	MP3A	Z	-2.015	1
105	MP3A	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.037	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	8.037	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	12.425	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	12.425	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.004	3.5
13	MP1C	X	15.191	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.003	1.5
16	MP1C	X	15.191	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.003	3.5
19	MP3A	X	22.024	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.005	1
22	MP3A	X	22.024	4
23	MP3A	Z	0	4
24	MP3A	Mx	-.005	4
25	MP3B	X	26.589	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.005	1
28	MP3B	X	26.589	4
29	MP3B	Z	0	4
30	MP3B	Mx	-.005	4
31	MP3C	X	29.468	1
32	MP3C	Z	0	1
33	MP3C	Mx	.024	1
34	MP3C	X	29.468	4
35	MP3C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.024	4
37	MP3A	X	22.024	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.015	1
40	MP3A	X	22.024	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.015	4
43	MP3B	X	26.589	1
44	MP3B	Z	0	1
45	MP3B	Mx	.022	1
46	MP3B	X	26.589	4
47	MP3B	Z	0	4
48	MP3B	Mx	.022	4
49	MP3C	X	29.468	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.013	1
52	MP3C	X	29.468	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.013	4
55	MP4C	X	28.733	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	.007	.5
58	MP4C	X	28.733	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	.007	4.5
61	MP4A	X	26.67	.5
62	MP4A	Z	0	.5
63	MP4A	Mx	-.013	.5
64	MP4A	X	26.67	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	-.013	4.5
67	MP4B	X	35.522	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.009	.5
70	MP4B	X	35.522	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	.009	4.5
73	M1	X	2.718	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	26.67	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	-.007	.5
79	MP3A	X	9.559	4
80	MP3A	Z	0	4
81	MP3A	Mx	.005	4
82	MP3B	X	12.69	4
83	MP3B	Z	0	4
84	MP3B	Mx	-.003	4
85	MP3C	X	12.69	4
86	MP3C	Z	0	4
87	MP3C	Mx	-.003	4
88	MP4A	X	7.972	4
89	MP4A	Z	0	4
90	MP4A	Mx	.004	4
91	MP4B	X	12.294	4
92	MP4B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4B	Mx	-.003	4
94	MP4C	X	12.294	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.003	4
97	M29	X	2.718	9.25
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	2.718	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	2.855	1
104	MP3A	Z	0	1
105	MP3A	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.76	1.5
2	MP1A	Z	6.212	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	10.76	3.5
5	MP1A	Z	6.212	3.5
6	MP1A	Mx	-.004	3.5
7	MP1B	X	13.858	1.5
8	MP1B	Z	8.001	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	13.858	3.5
11	MP1B	Z	8.001	3.5
12	MP1B	Mx	.001	3.5
13	MP1C	X	9.356	1.5
14	MP1C	Z	5.401	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	9.356	3.5
17	MP1C	Z	5.401	3.5
18	MP1C	Mx	.004	3.5
19	MP3A	X	23.027	1
20	MP3A	Z	13.295	1
21	MP3A	Mx	.005	1
22	MP3A	X	23.027	4
23	MP3A	Z	13.295	4
24	MP3A	Mx	.005	4
25	MP3B	X	26.25	1
26	MP3B	Z	15.156	1
27	MP3B	Mx	-.017	1
28	MP3B	X	26.25	4
29	MP3B	Z	15.156	4
30	MP3B	Mx	-.017	4
31	MP3C	X	21.566	1
32	MP3C	Z	12.451	1
33	MP3C	Mx	.02	1
34	MP3C	X	21.566	4
35	MP3C	Z	12.451	4
36	MP3C	Mx	.02	4
37	MP3A	X	23.027	1
38	MP3A	Z	13.295	1
39	MP3A	Mx	-.022	1
40	MP3A	X	23.027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	13.295	4
42	MP3A	Mx	-.022	4
43	MP3B	X	26.25	1
44	MP3B	Z	15.156	1
45	MP3B	Mx	.023	1
46	MP3B	X	26.25	4
47	MP3B	Z	15.156	4
48	MP3B	Mx	.023	4
49	MP3C	X	21.566	1
50	MP3C	Z	12.451	1
51	MP3C	Mx	-.001	1
52	MP3C	X	21.566	4
53	MP3C	Z	12.451	4
54	MP3C	Mx	-.001	4
55	MP4C	X	20.72	.5
56	MP4C	Z	11.962	.5
57	MP4C	Mx	.01	.5
58	MP4C	X	20.72	4.5
59	MP4C	Z	11.962	4.5
60	MP4C	Mx	.01	4.5
61	MP4A	X	25.652	.5
62	MP4A	Z	14.81	.5
63	MP4A	Mx	-.013	.5
64	MP4A	X	25.652	4.5
65	MP4A	Z	14.81	4.5
66	MP4A	Mx	-.013	4.5
67	MP4B	X	33.318	.5
68	MP4B	Z	19.236	.5
69	MP4B	Mx	0	.5
70	MP4B	X	33.318	4.5
71	MP4B	Z	19.236	4.5
72	MP4B	Mx	0	4.5
73	M1	X	2.715	9.25
74	M1	Z	1.567	9.25
75	M1	Mx	0	9.25
76	MP2B	X	24.427	.5
77	MP2B	Z	14.103	.5
78	MP2B	Mx	0	.5
79	MP3A	X	9.182	4
80	MP3A	Z	5.301	4
81	MP3A	Mx	.005	4
82	MP3B	X	11.894	4
83	MP3B	Z	6.867	4
84	MP3B	Mx	0	4
85	MP3C	X	9.182	4
86	MP3C	Z	5.301	4
87	MP3C	Mx	-.005	4
88	MP4A	X	8.151	4
89	MP4A	Z	4.706	4
90	MP4A	Mx	.004	4
91	MP4B	X	11.894	4
92	MP4B	Z	6.867	4
93	MP4B	Mx	0	4
94	MP4C	X	8.151	4
95	MP4C	Z	4.706	4
96	MP4C	Mx	-.004	4
97	M29	X	2.715	9.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	M29	Z	1.567	9.25
99	M29	Mx	0	9.25
100	M30B	X	2.715	9.25
101	M30B	Z	1.567	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	3.49	1
104	MP3A	Z	2.015	1
105	MP3A	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.001	1.5
2	MP1A	Z	13.858	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	8.001	3.5
5	MP1A	Z	13.858	3.5
6	MP1A	Mx	-.001	3.5
7	MP1B	X	7.595	1.5
8	MP1B	Z	13.156	1.5
9	MP1B	Mx	-.003	1.5
10	MP1B	X	7.595	3.5
11	MP1B	Z	13.156	3.5
12	MP1B	Mx	-.003	3.5
13	MP1C	X	3.613	1.5
14	MP1C	Z	6.258	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	3.613	3.5
17	MP1C	Z	6.258	3.5
18	MP1C	Mx	.004	3.5
19	MP3A	X	15.156	1
20	MP3A	Z	26.25	1
21	MP3A	Mx	.017	1
22	MP3A	X	15.156	4
23	MP3A	Z	26.25	4
24	MP3A	Mx	.017	4
25	MP3B	X	14.734	1
26	MP3B	Z	25.52	1
27	MP3B	Mx	-.024	1
28	MP3B	X	14.734	4
29	MP3B	Z	25.52	4
30	MP3B	Mx	-.024	4
31	MP3C	X	10.59	1
32	MP3C	Z	18.343	1
33	MP3C	Mx	.013	1
34	MP3C	X	10.59	4
35	MP3C	Z	18.343	4
36	MP3C	Mx	.013	4
37	MP3A	X	15.156	1
38	MP3A	Z	26.25	1
39	MP3A	Mx	-.023	1
40	MP3A	X	15.156	4
41	MP3A	Z	26.25	4
42	MP3A	Mx	-.023	4
43	MP3B	X	14.734	1
44	MP3B	Z	25.52	1
45	MP3B	Mx	.013	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	14.734	4
47	MP3B	Z	25.52	4
48	MP3B	Mx	.013	4
49	MP3C	X	10.59	1
50	MP3C	Z	18.343	1
51	MP3C	Mx	.008	1
52	MP3C	X	10.59	4
53	MP3C	Z	18.343	4
54	MP3C	Mx	.008	4
55	MP4C	X	10.76	.5
56	MP4C	Z	18.637	.5
57	MP4C	Mx	.011	.5
58	MP4C	X	10.76	4.5
59	MP4C	Z	18.637	4.5
60	MP4C	Mx	.011	4.5
61	MP4A	X	17.761	.5
62	MP4A	Z	30.763	.5
63	MP4A	Mx	-.009	.5
64	MP4A	X	17.761	4.5
65	MP4A	Z	30.763	4.5
66	MP4A	Mx	-.009	4.5
67	MP4B	X	17.761	.5
68	MP4B	Z	30.763	.5
69	MP4B	Mx	-.009	.5
70	MP4B	X	17.761	4.5
71	MP4B	Z	30.763	4.5
72	MP4B	Mx	-.009	4.5
73	M1	X	1.671	9.25
74	M1	Z	2.895	9.25
75	M1	Mx	0	9.25
76	MP2B	X	13.335	.5
77	MP2B	Z	23.097	.5
78	MP2B	Mx	.007	.5
79	MP3A	X	6.345	4
80	MP3A	Z	10.99	4
81	MP3A	Mx	.003	4
82	MP3B	X	6.345	4
83	MP3B	Z	10.99	4
84	MP3B	Mx	.003	4
85	MP3C	X	4.779	4
86	MP3C	Z	8.278	4
87	MP3C	Mx	-.005	4
88	MP4A	X	6.147	4
89	MP4A	Z	10.647	4
90	MP4A	Mx	.003	4
91	MP4B	X	6.147	4
92	MP4B	Z	10.647	4
93	MP4B	Mx	.003	4
94	MP4C	X	3.986	4
95	MP4C	Z	6.904	4
96	MP4C	Mx	-.004	4
97	M29	X	1.671	9.25
98	M29	Z	2.895	9.25
99	M29	Mx	0	9.25
100	M30B	X	1.671	9.25
101	M30B	Z	2.895	9.25
102	M30B	Mx	0	9.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP3A	X	3.19	1
104	MP3A	Z	5.526	1
105	MP3A	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	15.191	1.5
3	MP1A	Mx	.003	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	15.191	3.5
6	MP1A	Mx	.003	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	10.803	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	10.803	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	8.037	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	8.037	3.5
18	MP1C	Mx	.004	3.5
19	MP3A	X	0	1
20	MP3A	Z	29.468	1
21	MP3A	Mx	.024	1
22	MP3A	X	0	4
23	MP3A	Z	29.468	4
24	MP3A	Mx	.024	4
25	MP3B	X	0	1
26	MP3B	Z	24.902	1
27	MP3B	Mx	-.02	1
28	MP3B	X	0	4
29	MP3B	Z	24.902	4
30	MP3B	Mx	-.02	4
31	MP3C	X	0	1
32	MP3C	Z	22.024	1
33	MP3C	Mx	.005	1
34	MP3C	X	0	4
35	MP3C	Z	22.024	4
36	MP3C	Mx	.005	4
37	MP3A	X	0	1
38	MP3A	Z	29.468	1
39	MP3A	Mx	-.013	1
40	MP3A	X	0	4
41	MP3A	Z	29.468	4
42	MP3A	Mx	-.013	4
43	MP3B	X	0	1
44	MP3B	Z	24.902	1
45	MP3B	Mx	.001	1
46	MP3B	X	0	4
47	MP3B	Z	24.902	4
48	MP3B	Mx	.001	4
49	MP3C	X	0	1
50	MP3C	Z	22.024	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.015	1
52	MP3C	X	0	4
53	MP3C	Z	22.024	4
54	MP3C	Mx	.015	4
55	MP4C	X	0	.5
56	MP4C	Z	23.925	.5
57	MP4C	Mx	.01	.5
58	MP4C	X	0	4.5
59	MP4C	Z	23.925	4.5
60	MP4C	Mx	.01	4.5
61	MP4A	X	0	.5
62	MP4A	Z	38.473	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	38.473	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	29.621	.5
69	MP4B	Mx	-.013	.5
70	MP4B	X	0	4.5
71	MP4B	Z	29.621	4.5
72	MP4B	Mx	-.013	4.5
73	M1	X	0	9.25
74	M1	Z	3.135	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	23.599	.5
78	MP2B	Mx	.01	.5
79	MP3A	X	0	4
80	MP3A	Z	13.734	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4
83	MP3B	Z	10.602	4
84	MP3B	Mx	.005	4
85	MP3C	X	0	4
86	MP3C	Z	10.602	4
87	MP3C	Mx	-.005	4
88	MP4A	X	0	4
89	MP4A	Z	13.734	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	9.412	4
93	MP4B	Mx	.004	4
94	MP4C	X	0	4
95	MP4C	Z	9.412	4
96	MP4C	Mx	-.004	4
97	M29	X	0	9.25
98	M29	Z	3.135	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	3.135	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	7.556	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.401	1.5
2	MP1A	Z	9.356	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-5.401	3.5
5	MP1A	Z	9.356	3.5
6	MP1A	Mx	.004	3.5
7	MP1B	X	-3.613	1.5
8	MP1B	Z	6.258	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-3.613	3.5
11	MP1B	Z	6.258	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	-6.212	1.5
14	MP1C	Z	10.76	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	-6.212	3.5
17	MP1C	Z	10.76	3.5
18	MP1C	Mx	.004	3.5
19	MP3A	X	-12.451	1
20	MP3A	Z	21.566	1
21	MP3A	Mx	.02	1
22	MP3A	X	-12.451	4
23	MP3A	Z	21.566	4
24	MP3A	Mx	.02	4
25	MP3B	X	-10.59	1
26	MP3B	Z	18.343	1
27	MP3B	Mx	-.013	1
28	MP3B	X	-10.59	4
29	MP3B	Z	18.343	4
30	MP3B	Mx	-.013	4
31	MP3C	X	-13.295	1
32	MP3C	Z	23.027	1
33	MP3C	Mx	-.005	1
34	MP3C	X	-13.295	4
35	MP3C	Z	23.027	4
36	MP3C	Mx	-.005	4
37	MP3A	X	-12.451	1
38	MP3A	Z	21.566	1
39	MP3A	Mx	-.001	1
40	MP3A	X	-12.451	4
41	MP3A	Z	21.566	4
42	MP3A	Mx	-.001	4
43	MP3B	X	-10.59	1
44	MP3B	Z	18.343	1
45	MP3B	Mx	-.008	1
46	MP3B	X	-10.59	4
47	MP3B	Z	18.343	4
48	MP3B	Mx	-.008	4
49	MP3C	X	-13.295	1
50	MP3C	Z	23.027	1
51	MP3C	Mx	.022	1
52	MP3C	X	-13.295	4
53	MP3C	Z	23.027	4
54	MP3C	Mx	.022	4
55	MP4C	X	-14.367	.5
56	MP4C	Z	24.884	.5
57	MP4C	Mx	.007	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-14.367	4.5
59	MP4C	Z	24.884	4.5
60	MP4C	Mx	.007	4.5
61	MP4A	X	-17.761	.5
62	MP4A	Z	30.763	.5
63	MP4A	Mx	.009	.5
64	MP4A	X	-17.761	4.5
65	MP4A	Z	30.763	4.5
66	MP4A	Mx	.009	4.5
67	MP4B	X	-13.335	.5
68	MP4B	Z	23.097	.5
69	MP4B	Mx	-.013	.5
70	MP4B	X	-13.335	4.5
71	MP4B	Z	23.097	4.5
72	MP4B	Mx	-.013	4.5
73	M1	X	-1.359	9.25
74	M1	Z	2.354	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-11.032	.5
77	MP2B	Z	19.107	.5
78	MP2B	Mx	.011	.5
79	MP3A	X	-6.345	4
80	MP3A	Z	10.99	4
81	MP3A	Mx	-.003	4
82	MP3B	X	-4.779	4
83	MP3B	Z	8.278	4
84	MP3B	Mx	.005	4
85	MP3C	X	-6.345	4
86	MP3C	Z	10.99	4
87	MP3C	Mx	-.003	4
88	MP4A	X	-6.147	4
89	MP4A	Z	10.647	4
90	MP4A	Mx	-.003	4
91	MP4B	X	-3.986	4
92	MP4B	Z	6.904	4
93	MP4B	Mx	.004	4
94	MP4C	X	-6.147	4
95	MP4C	Z	10.647	4
96	MP4C	Mx	-.003	4
97	M29	X	-1.359	9.25
98	M29	Z	2.354	9.25
99	M29	Mx	0	9.25
100	M30B	X	-1.359	9.25
101	M30B	Z	2.354	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-3.19	1
104	MP3A	Z	5.526	1
105	MP3A	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.258	1.5
2	MP1A	Z	3.613	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-6.258	3.5
5	MP1A	Z	3.613	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.004	3.5
7	MP1B	X	-6.96	1.5
8	MP1B	Z	4.018	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-6.96	3.5
11	MP1B	Z	4.018	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	-13.858	1.5
14	MP1C	Z	8.001	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	-13.858	3.5
17	MP1C	Z	8.001	3.5
18	MP1C	Mx	.001	3.5
19	MP3A	X	-18.343	1
20	MP3A	Z	10.59	1
21	MP3A	Mx	.013	1
22	MP3A	X	-18.343	4
23	MP3A	Z	10.59	4
24	MP3A	Mx	.013	4
25	MP3B	X	-19.073	1
26	MP3B	Z	11.012	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-19.073	4
29	MP3B	Z	11.012	4
30	MP3B	Mx	-.005	4
31	MP3C	X	-26.25	1
32	MP3C	Z	15.156	1
33	MP3C	Mx	-.017	1
34	MP3C	X	-26.25	4
35	MP3C	Z	15.156	4
36	MP3C	Mx	-.017	4
37	MP3A	X	-18.343	1
38	MP3A	Z	10.59	1
39	MP3A	Mx	.008	1
40	MP3A	X	-18.343	4
41	MP3A	Z	10.59	4
42	MP3A	Mx	.008	4
43	MP3B	X	-19.073	1
44	MP3B	Z	11.012	1
45	MP3B	Mx	-.015	1
46	MP3B	X	-19.073	4
47	MP3B	Z	11.012	4
48	MP3B	Mx	-.015	4
49	MP3C	X	-26.25	1
50	MP3C	Z	15.156	1
51	MP3C	Mx	.023	1
52	MP3C	X	-26.25	4
53	MP3C	Z	15.156	4
54	MP3C	Mx	.023	4
55	MP4C	X	-26.966	.5
56	MP4C	Z	15.569	.5
57	MP4C	Mx	0	.5
58	MP4C	X	-26.966	4.5
59	MP4C	Z	15.569	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	-25.652	.5
62	MP4A	Z	14.81	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	.013	.5
64	MP4A	X	-25.652	4.5
65	MP4A	Z	14.81	4.5
66	MP4A	Mx	.013	4.5
67	MP4B	X	-25.652	.5
68	MP4B	Z	14.81	.5
69	MP4B	Mx	-.013	.5
70	MP4B	X	-25.652	4.5
71	MP4B	Z	14.81	4.5
72	MP4B	Mx	-.013	4.5
73	M1	X	-2.174	9.25
74	M1	Z	1.255	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-20.437	.5
77	MP2B	Z	11.799	.5
78	MP2B	Mx	.01	.5
79	MP3A	X	-9.182	4
80	MP3A	Z	5.301	4
81	MP3A	Mx	-.005	4
82	MP3B	X	-9.182	4
83	MP3B	Z	5.301	4
84	MP3B	Mx	.005	4
85	MP3C	X	-11.894	4
86	MP3C	Z	6.867	4
87	MP3C	Mx	0	4
88	MP4A	X	-8.151	4
89	MP4A	Z	4.706	4
90	MP4A	Mx	-.004	4
91	MP4B	X	-8.151	4
92	MP4B	Z	4.706	4
93	MP4B	Mx	.004	4
94	MP4C	X	-11.894	4
95	MP4C	Z	6.867	4
96	MP4C	Mx	0	4
97	M29	X	-2.174	9.25
98	M29	Z	1.255	9.25
99	M29	Mx	0	9.25
100	M30B	X	-2.174	9.25
101	M30B	Z	1.255	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-3.49	1
104	MP3A	Z	2.015	1
105	MP3A	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.037	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-8.037	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.004	3.5
7	MP1B	X	-12.425	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-12.425	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.004	3.5
13	MP1C	X	-15.191	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.003	1.5
16	MP1C	X	-15.191	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.003	3.5
19	MP3A	X	-22.024	1
20	MP3A	Z	0	1
21	MP3A	Mx	.005	1
22	MP3A	X	-22.024	4
23	MP3A	Z	0	4
24	MP3A	Mx	.005	4
25	MP3B	X	-26.589	1
26	MP3B	Z	0	1
27	MP3B	Mx	.005	1
28	MP3B	X	-26.589	4
29	MP3B	Z	0	4
30	MP3B	Mx	.005	4
31	MP3C	X	-29.468	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.024	1
34	MP3C	X	-29.468	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.024	4
37	MP3A	X	-22.024	1
38	MP3A	Z	0	1
39	MP3A	Mx	.015	1
40	MP3A	X	-22.024	4
41	MP3A	Z	0	4
42	MP3A	Mx	.015	4
43	MP3B	X	-26.589	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.022	1
46	MP3B	X	-26.589	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.022	4
49	MP3C	X	-29.468	1
50	MP3C	Z	0	1
51	MP3C	Mx	.013	1
52	MP3C	X	-29.468	4
53	MP3C	Z	0	4
54	MP3C	Mx	.013	4
55	MP4C	X	-28.733	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	-.007	.5
58	MP4C	X	-28.733	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	-.007	4.5
61	MP4A	X	-26.67	.5
62	MP4A	Z	0	.5
63	MP4A	Mx	.013	.5
64	MP4A	X	-26.67	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	.013	4.5
67	MP4B	X	-35.522	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	0	.5
69	MP4B	Mx	-.009	.5
70	MP4B	X	-35.522	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	-.009	4.5
73	M1	X	-2.718	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-26.67	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	.007	.5
79	MP3A	X	-9.559	4
80	MP3A	Z	0	4
81	MP3A	Mx	-.005	4
82	MP3B	X	-12.69	4
83	MP3B	Z	0	4
84	MP3B	Mx	.003	4
85	MP3C	X	-12.69	4
86	MP3C	Z	0	4
87	MP3C	Mx	.003	4
88	MP4A	X	-7.972	4
89	MP4A	Z	0	4
90	MP4A	Mx	-.004	4
91	MP4B	X	-12.294	4
92	MP4B	Z	0	4
93	MP4B	Mx	.003	4
94	MP4C	X	-12.294	4
95	MP4C	Z	0	4
96	MP4C	Mx	.003	4
97	M29	X	-2.718	9.25
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	-2.718	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-2.855	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.76	1.5
2	MP1A	Z	-6.212	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-10.76	3.5
5	MP1A	Z	-6.212	3.5
6	MP1A	Mx	.004	3.5
7	MP1B	X	-13.858	1.5
8	MP1B	Z	-8.001	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	-13.858	3.5
11	MP1B	Z	-8.001	3.5
12	MP1B	Mx	-.001	3.5
13	MP1C	X	-9.356	1.5
14	MP1C	Z	-5.401	1.5
15	MP1C	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	-9.356	3.5
17	MP1C	Z	-5.401	3.5
18	MP1C	Mx	-.004	3.5
19	MP3A	X	-23.027	1
20	MP3A	Z	-13.295	1
21	MP3A	Mx	-.005	1
22	MP3A	X	-23.027	4
23	MP3A	Z	-13.295	4
24	MP3A	Mx	-.005	4
25	MP3B	X	-26.25	1
26	MP3B	Z	-15.156	1
27	MP3B	Mx	.017	1
28	MP3B	X	-26.25	4
29	MP3B	Z	-15.156	4
30	MP3B	Mx	.017	4
31	MP3C	X	-21.566	1
32	MP3C	Z	-12.451	1
33	MP3C	Mx	-.02	1
34	MP3C	X	-21.566	4
35	MP3C	Z	-12.451	4
36	MP3C	Mx	-.02	4
37	MP3A	X	-23.027	1
38	MP3A	Z	-13.295	1
39	MP3A	Mx	.022	1
40	MP3A	X	-23.027	4
41	MP3A	Z	-13.295	4
42	MP3A	Mx	.022	4
43	MP3B	X	-26.25	1
44	MP3B	Z	-15.156	1
45	MP3B	Mx	-.023	1
46	MP3B	X	-26.25	4
47	MP3B	Z	-15.156	4
48	MP3B	Mx	-.023	4
49	MP3C	X	-21.566	1
50	MP3C	Z	-12.451	1
51	MP3C	Mx	.001	1
52	MP3C	X	-21.566	4
53	MP3C	Z	-12.451	4
54	MP3C	Mx	.001	4
55	MP4C	X	-20.72	.5
56	MP4C	Z	-11.962	.5
57	MP4C	Mx	-.01	.5
58	MP4C	X	-20.72	4.5
59	MP4C	Z	-11.962	4.5
60	MP4C	Mx	-.01	4.5
61	MP4A	X	-25.652	.5
62	MP4A	Z	-14.81	.5
63	MP4A	Mx	.013	.5
64	MP4A	X	-25.652	4.5
65	MP4A	Z	-14.81	4.5
66	MP4A	Mx	.013	4.5
67	MP4B	X	-33.318	.5
68	MP4B	Z	-19.236	.5
69	MP4B	Mx	0	.5
70	MP4B	X	-33.318	4.5
71	MP4B	Z	-19.236	4.5
72	MP4B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M1	X	-2.715	9.25
74	M1	Z	-1.567	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-24.427	.5
77	MP2B	Z	-14.103	.5
78	MP2B	Mx	0	.5
79	MP3A	X	-9.182	4
80	MP3A	Z	-5.301	4
81	MP3A	Mx	-.005	4
82	MP3B	X	-11.894	4
83	MP3B	Z	-6.867	4
84	MP3B	Mx	0	4
85	MP3C	X	-9.182	4
86	MP3C	Z	-5.301	4
87	MP3C	Mx	.005	4
88	MP4A	X	-8.151	4
89	MP4A	Z	-4.706	4
90	MP4A	Mx	-.004	4
91	MP4B	X	-11.894	4
92	MP4B	Z	-6.867	4
93	MP4B	Mx	0	4
94	MP4C	X	-8.151	4
95	MP4C	Z	-4.706	4
96	MP4C	Mx	.004	4
97	M29	X	-2.715	9.25
98	M29	Z	-1.567	9.25
99	M29	Mx	0	9.25
100	M30B	X	-2.715	9.25
101	M30B	Z	-1.567	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-3.49	1
104	MP3A	Z	-2.015	1
105	MP3A	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.001	1.5
2	MP1A	Z	-13.858	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-8.001	3.5
5	MP1A	Z	-13.858	3.5
6	MP1A	Mx	.001	3.5
7	MP1B	X	-7.595	1.5
8	MP1B	Z	-13.156	1.5
9	MP1B	Mx	.003	1.5
10	MP1B	X	-7.595	3.5
11	MP1B	Z	-13.156	3.5
12	MP1B	Mx	.003	3.5
13	MP1C	X	-3.613	1.5
14	MP1C	Z	-6.258	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	-3.613	3.5
17	MP1C	Z	-6.258	3.5
18	MP1C	Mx	-.004	3.5
19	MP3A	X	-15.156	1
20	MP3A	Z	-26.25	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.017	1
22	MP3A	X	-15.156	4
23	MP3A	Z	-26.25	4
24	MP3A	Mx	-.017	4
25	MP3B	X	-14.734	1
26	MP3B	Z	-25.52	1
27	MP3B	Mx	.024	1
28	MP3B	X	-14.734	4
29	MP3B	Z	-25.52	4
30	MP3B	Mx	.024	4
31	MP3C	X	-10.59	1
32	MP3C	Z	-18.343	1
33	MP3C	Mx	-.013	1
34	MP3C	X	-10.59	4
35	MP3C	Z	-18.343	4
36	MP3C	Mx	-.013	4
37	MP3A	X	-15.156	1
38	MP3A	Z	-26.25	1
39	MP3A	Mx	.023	1
40	MP3A	X	-15.156	4
41	MP3A	Z	-26.25	4
42	MP3A	Mx	.023	4
43	MP3B	X	-14.734	1
44	MP3B	Z	-25.52	1
45	MP3B	Mx	-.013	1
46	MP3B	X	-14.734	4
47	MP3B	Z	-25.52	4
48	MP3B	Mx	-.013	4
49	MP3C	X	-10.59	1
50	MP3C	Z	-18.343	1
51	MP3C	Mx	-.008	1
52	MP3C	X	-10.59	4
53	MP3C	Z	-18.343	4
54	MP3C	Mx	-.008	4
55	MP4C	X	-10.76	.5
56	MP4C	Z	-18.637	.5
57	MP4C	Mx	-.011	.5
58	MP4C	X	-10.76	4.5
59	MP4C	Z	-18.637	4.5
60	MP4C	Mx	-.011	4.5
61	MP4A	X	-17.761	.5
62	MP4A	Z	-30.763	.5
63	MP4A	Mx	.009	.5
64	MP4A	X	-17.761	4.5
65	MP4A	Z	-30.763	4.5
66	MP4A	Mx	.009	4.5
67	MP4B	X	-17.761	.5
68	MP4B	Z	-30.763	.5
69	MP4B	Mx	.009	.5
70	MP4B	X	-17.761	4.5
71	MP4B	Z	-30.763	4.5
72	MP4B	Mx	.009	4.5
73	M1	X	-1.671	9.25
74	M1	Z	-2.895	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-13.335	.5
77	MP2B	Z	-23.097	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2B	Mx	-.007	.5
79	MP3A	X	-6.345	4
80	MP3A	Z	-10.99	4
81	MP3A	Mx	-.003	4
82	MP3B	X	-6.345	4
83	MP3B	Z	-10.99	4
84	MP3B	Mx	-.003	4
85	MP3C	X	-4.779	4
86	MP3C	Z	-8.278	4
87	MP3C	Mx	.005	4
88	MP4A	X	-6.147	4
89	MP4A	Z	-10.647	4
90	MP4A	Mx	-.003	4
91	MP4B	X	-6.147	4
92	MP4B	Z	-10.647	4
93	MP4B	Mx	-.003	4
94	MP4C	X	-3.986	4
95	MP4C	Z	-6.904	4
96	MP4C	Mx	.004	4
97	M29	X	-1.671	9.25
98	M29	Z	-2.895	9.25
99	M29	Mx	0	9.25
100	M30B	X	-1.671	9.25
101	M30B	Z	-2.895	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-3.19	1
104	MP3A	Z	-5.526	1
105	MP3A	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-3.99	1.5
3	MP1A	Mx	-.000682	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-3.99	3.5
6	MP1A	Mx	-.000682	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-2.659	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	-2.659	3.5
12	MP1B	Mx	.001	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-1.819	1.5
15	MP1C	Mx	-.000855	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-1.819	3.5
18	MP1C	Mx	-.000855	3.5
19	MP3A	X	0	1
20	MP3A	Z	-9.639	1
21	MP3A	Mx	-.008	1
22	MP3A	X	0	4
23	MP3A	Z	-9.639	4
24	MP3A	Mx	-.008	4
25	MP3B	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-8.019	1
27	MP3B	Mx	.007	1
28	MP3B	X	0	4
29	MP3B	Z	-8.019	4
30	MP3B	Mx	.007	4
31	MP3C	X	0	1
32	MP3C	Z	-6.999	1
33	MP3C	Mx	-.002	1
34	MP3C	X	0	4
35	MP3C	Z	-6.999	4
36	MP3C	Mx	-.002	4
37	MP3A	X	0	1
38	MP3A	Z	-9.639	1
39	MP3A	Mx	.004	1
40	MP3A	X	0	4
41	MP3A	Z	-9.639	4
42	MP3A	Mx	.004	4
43	MP3B	X	0	1
44	MP3B	Z	-8.019	1
45	MP3B	Mx	-.000365	1
46	MP3B	X	0	4
47	MP3B	Z	-8.019	4
48	MP3B	Mx	-.000365	4
49	MP3C	X	0	1
50	MP3C	Z	-6.999	1
51	MP3C	Mx	-.005	1
52	MP3C	X	0	4
53	MP3C	Z	-6.999	4
54	MP3C	Mx	-.005	4
55	MP4C	X	0	.5
56	MP4C	Z	-7.62	.5
57	MP4C	Mx	-.003	.5
58	MP4C	X	0	4.5
59	MP4C	Z	-7.62	4.5
60	MP4C	Mx	-.003	4.5
61	MP4A	X	0	.5
62	MP4A	Z	-12.643	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	-12.643	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	-9.524	.5
69	MP4B	Mx	.004	.5
70	MP4B	X	0	4.5
71	MP4B	Z	-9.524	4.5
72	MP4B	Mx	.004	4.5
73	M1	X	0	9.25
74	M1	Z	-.753	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	-5.732	.5
78	MP2B	Mx	-.002	.5
79	MP3A	X	0	4
80	MP3A	Z	-3.417	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	-2.574	4
84	MP3B	Mx	-.001	4
85	MP3C	X	0	4
86	MP3C	Z	-2.574	4
87	MP3C	Mx	.001	4
88	MP4A	X	0	4
89	MP4A	Z	-3.417	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	-2.26	4
93	MP4B	Mx	-.000979	4
94	MP4C	X	0	4
95	MP4C	Z	-2.26	4
96	MP4C	Mx	.000979	4
97	M29	X	0	9.25
98	M29	Z	-.753	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	-.753	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	-2.116	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.329	1.5
2	MP1A	Z	-2.302	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	1.329	3.5
5	MP1A	Z	-2.302	3.5
6	MP1A	Mx	-.001	3.5
7	MP1B	X	.787	1.5
8	MP1B	Z	-1.363	1.5
9	MP1B	Mx	.000775	1.5
10	MP1B	X	.787	3.5
11	MP1B	Z	-1.363	3.5
12	MP1B	Mx	.000775	3.5
13	MP1C	X	1.575	1.5
14	MP1C	Z	-2.728	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	1.575	3.5
17	MP1C	Z	-2.728	3.5
18	MP1C	Mx	-.001	3.5
19	MP3A	X	4.01	1
20	MP3A	Z	-6.945	1
21	MP3A	Mx	-.007	1
22	MP3A	X	4.01	4
23	MP3A	Z	-6.945	4
24	MP3A	Mx	-.007	4
25	MP3B	X	3.35	1
26	MP3B	Z	-5.802	1
27	MP3B	Mx	.004	1
28	MP3B	X	3.35	4
29	MP3B	Z	-5.802	4
30	MP3B	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	4.309	1
32	MP3C	Z	-7.463	1
33	MP3C	Mx	.002	1
34	MP3C	X	4.309	4
35	MP3C	Z	-7.463	4
36	MP3C	Mx	.002	4
37	MP3A	X	4.01	1
38	MP3A	Z	-6.945	1
39	MP3A	Mx	.000365	1
40	MP3A	X	4.01	4
41	MP3A	Z	-6.945	4
42	MP3A	Mx	.000365	4
43	MP3B	X	3.35	1
44	MP3B	Z	-5.802	1
45	MP3B	Mx	.003	1
46	MP3B	X	3.35	4
47	MP3B	Z	-5.802	4
48	MP3B	Mx	.003	4
49	MP3C	X	4.309	1
50	MP3C	Z	-7.463	1
51	MP3C	Mx	-.007	1
52	MP3C	X	4.309	4
53	MP3C	Z	-7.463	4
54	MP3C	Mx	-.007	4
55	MP4C	X	4.661	.5
56	MP4C	Z	-8.074	.5
57	MP4C	Mx	-.002	.5
58	MP4C	X	4.661	4.5
59	MP4C	Z	-8.074	4.5
60	MP4C	Mx	-.002	4.5
61	MP4A	X	5.802	.5
62	MP4A	Z	-10.049	.5
63	MP4A	Mx	-.003	.5
64	MP4A	X	5.802	4.5
65	MP4A	Z	-10.049	4.5
66	MP4A	Mx	-.003	4.5
67	MP4B	X	4.242	.5
68	MP4B	Z	-7.347	.5
69	MP4B	Mx	.004	.5
70	MP4B	X	4.242	4.5
71	MP4B	Z	-7.347	4.5
72	MP4B	Mx	.004	4.5
73	M1	X	.314	9.25
74	M1	Z	-.543	9.25
75	M1	Mx	0	9.25
76	MP2B	X	2.657	.5
77	MP2B	Z	-4.601	.5
78	MP2B	Mx	-.003	.5
79	MP3A	X	1.568	4
80	MP3A	Z	-2.716	4
81	MP3A	Mx	.000784	4
82	MP3B	X	1.146	4
83	MP3B	Z	-1.986	4
84	MP3B	Mx	-.001	4
85	MP3C	X	1.568	4
86	MP3C	Z	-2.716	4
87	MP3C	Mx	.000784	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4A	X	1.516	4
89	MP4A	Z	-2.625	4
90	MP4A	Mx	.000758	4
91	MP4B	X	.937	4
92	MP4B	Z	-1.623	4
93	MP4B	Mx	-.000937	4
94	MP4C	X	1.516	4
95	MP4C	Z	-2.625	4
96	MP4C	Mx	.000758	4
97	M29	X	.314	9.25
98	M29	Z	-.543	9.25
99	M29	Mx	0	9.25
100	M30B	X	.314	9.25
101	M30B	Z	-.543	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	.874	1
104	MP3A	Z	-1.514	1
105	MP3A	Mx	.000437	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.363	1.5
2	MP1A	Z	-.787	1.5
3	MP1A	Mx	-.000775	1.5
4	MP1A	X	1.363	3.5
5	MP1A	Z	-.787	3.5
6	MP1A	Mx	-.000775	3.5
7	MP1B	X	1.576	1.5
8	MP1B	Z	-.91	1.5
9	MP1B	Mx	.000855	1.5
10	MP1B	X	1.576	3.5
11	MP1B	Z	-.91	3.5
12	MP1B	Mx	.000855	3.5
13	MP1C	X	3.668	1.5
14	MP1C	Z	-2.118	1.5
15	MP1C	Mx	-.000368	1.5
16	MP1C	X	3.668	3.5
17	MP1C	Z	-2.118	3.5
18	MP1C	Mx	-.000368	3.5
19	MP3A	X	5.802	1
20	MP3A	Z	-3.35	1
21	MP3A	Mx	-.004	1
22	MP3A	X	5.802	4
23	MP3A	Z	-3.35	4
24	MP3A	Mx	-.004	4
25	MP3B	X	6.061	1
26	MP3B	Z	-3.499	1
27	MP3B	Mx	.002	1
28	MP3B	X	6.061	4
29	MP3B	Z	-3.499	4
30	MP3B	Mx	.002	4
31	MP3C	X	8.607	1
32	MP3C	Z	-4.969	1
33	MP3C	Mx	.006	1
34	MP3C	X	8.607	4
35	MP3C	Z	-4.969	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.006	4
37	MP3A	X	5.802	1
38	MP3A	Z	-3.35	1
39	MP3A	Mx	-.003	1
40	MP3A	X	5.802	4
41	MP3A	Z	-3.35	4
42	MP3A	Mx	-.003	4
43	MP3B	X	6.061	1
44	MP3B	Z	-3.499	1
45	MP3B	Mx	.005	1
46	MP3B	X	6.061	4
47	MP3B	Z	-3.499	4
48	MP3B	Mx	.005	4
49	MP3C	X	8.607	1
50	MP3C	Z	-4.969	1
51	MP3C	Mx	-.007	1
52	MP3C	X	8.607	4
53	MP3C	Z	-4.969	4
54	MP3C	Mx	-.007	4
55	MP4C	X	8.811	.5
56	MP4C	Z	-5.087	.5
57	MP4C	Mx	0	.5
58	MP4C	X	8.811	4.5
59	MP4C	Z	-5.087	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	8.248	.5
62	MP4A	Z	-4.762	.5
63	MP4A	Mx	-.004	.5
64	MP4A	X	8.248	4.5
65	MP4A	Z	-4.762	4.5
66	MP4A	Mx	-.004	4.5
67	MP4B	X	8.248	.5
68	MP4B	Z	-4.762	.5
69	MP4B	Mx	.004	.5
70	MP4B	X	8.248	4.5
71	MP4B	Z	-4.762	4.5
72	MP4B	Mx	.004	4.5
73	M1	X	.489	9.25
74	M1	Z	-.282	9.25
75	M1	Mx	0	9.25
76	MP2B	X	4.964	.5
77	MP2B	Z	-2.866	.5
78	MP2B	Mx	-.002	.5
79	MP3A	X	2.229	4
80	MP3A	Z	-1.287	4
81	MP3A	Mx	.001	4
82	MP3B	X	2.229	4
83	MP3B	Z	-1.287	4
84	MP3B	Mx	-.001	4
85	MP3C	X	2.959	4
86	MP3C	Z	-1.709	4
87	MP3C	Mx	0	4
88	MP4A	X	1.957	4
89	MP4A	Z	-1.13	4
90	MP4A	Mx	.000978	4
91	MP4B	X	1.957	4
92	MP4B	Z	-1.13	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4B	Mx	-.000979	4
94	MP4C	X	2.959	4
95	MP4C	Z	-1.709	4
96	MP4C	Mx	0	4
97	M29	X	.489	9.25
98	M29	Z	-.282	9.25
99	M29	Mx	0	9.25
100	M30B	X	.489	9.25
101	M30B	Z	-.282	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	.875	1
104	MP3A	Z	-.505	1
105	MP3A	Mx	.000438	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.819	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.000855	1.5
4	MP1A	X	1.819	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.000855	3.5
7	MP1B	X	3.151	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	3.151	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.001	3.5
13	MP1C	X	3.99	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.000682	1.5
16	MP1C	X	3.99	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.000682	3.5
19	MP3A	X	6.999	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.002	1
22	MP3A	X	6.999	4
23	MP3A	Z	0	4
24	MP3A	Mx	-.002	4
25	MP3B	X	8.618	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.002	1
28	MP3B	X	8.618	4
29	MP3B	Z	0	4
30	MP3B	Mx	-.002	4
31	MP3C	X	9.639	1
32	MP3C	Z	0	1
33	MP3C	Mx	.008	1
34	MP3C	X	9.639	4
35	MP3C	Z	0	4
36	MP3C	Mx	.008	4
37	MP3A	X	6.999	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.005	1
40	MP3A	X	6.999	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	4
42	MP3A	Mx	-.005	4
43	MP3B	X	8.618	1
44	MP3B	Z	0	1
45	MP3B	Mx	.007	1
46	MP3B	X	8.618	4
47	MP3B	Z	0	4
48	MP3B	Mx	.007	4
49	MP3C	X	9.639	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.004	1
52	MP3C	X	9.639	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.004	4
55	MP4C	X	9.323	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	.002	.5
58	MP4C	X	9.323	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	.002	4.5
61	MP4A	X	8.484	.5
62	MP4A	Z	0	.5
63	MP4A	Mx	-.004	.5
64	MP4A	X	8.484	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	-.004	4.5
67	MP4B	X	11.603	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	11.603	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	.003	4.5
73	M1	X	.627	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	6.57	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	-.002	.5
79	MP3A	X	2.293	4
80	MP3A	Z	0	4
81	MP3A	Mx	.001	4
82	MP3B	X	3.136	4
83	MP3B	Z	0	4
84	MP3B	Mx	-.000784	4
85	MP3C	X	3.136	4
86	MP3C	Z	0	4
87	MP3C	Mx	-.000784	4
88	MP4A	X	1.874	4
89	MP4A	Z	0	4
90	MP4A	Mx	.000937	4
91	MP4B	X	3.031	4
92	MP4B	Z	0	4
93	MP4B	Mx	-.000758	4
94	MP4C	X	3.031	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.000758	4
97	M29	X	.627	9.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	.627	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	.642	1
104	MP3A	Z	0	1
105	MP3A	Mx	.000321	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.728	1.5
2	MP1A	Z	1.575	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	2.728	3.5
5	MP1A	Z	1.575	3.5
6	MP1A	Mx	-.001	3.5
7	MP1B	X	3.668	1.5
8	MP1B	Z	2.118	1.5
9	MP1B	Mx	.000368	1.5
10	MP1B	X	3.668	3.5
11	MP1B	Z	2.118	3.5
12	MP1B	Mx	.000368	3.5
13	MP1C	X	2.302	1.5
14	MP1C	Z	1.329	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	2.302	3.5
17	MP1C	Z	1.329	3.5
18	MP1C	Mx	.001	3.5
19	MP3A	X	7.463	1
20	MP3A	Z	4.309	1
21	MP3A	Mx	.002	1
22	MP3A	X	7.463	4
23	MP3A	Z	4.309	4
24	MP3A	Mx	.002	4
25	MP3B	X	8.607	1
26	MP3B	Z	4.969	1
27	MP3B	Mx	-.006	1
28	MP3B	X	8.607	4
29	MP3B	Z	4.969	4
30	MP3B	Mx	-.006	4
31	MP3C	X	6.945	1
32	MP3C	Z	4.01	1
33	MP3C	Mx	.007	1
34	MP3C	X	6.945	4
35	MP3C	Z	4.01	4
36	MP3C	Mx	.007	4
37	MP3A	X	7.463	1
38	MP3A	Z	4.309	1
39	MP3A	Mx	-.007	1
40	MP3A	X	7.463	4
41	MP3A	Z	4.309	4
42	MP3A	Mx	-.007	4
43	MP3B	X	8.607	1
44	MP3B	Z	4.969	1
45	MP3B	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	8.607	4
47	MP3B	Z	4.969	4
48	MP3B	Mx	.007	4
49	MP3C	X	6.945	1
50	MP3C	Z	4.01	1
51	MP3C	Mx	-.000365	1
52	MP3C	X	6.945	4
53	MP3C	Z	4.01	4
54	MP3C	Mx	-.000365	4
55	MP4C	X	6.599	.5
56	MP4C	Z	3.81	.5
57	MP4C	Mx	.003	.5
58	MP4C	X	6.599	4.5
59	MP4C	Z	3.81	4.5
60	MP4C	Mx	.003	4.5
61	MP4A	X	8.248	.5
62	MP4A	Z	4.762	.5
63	MP4A	Mx	-.004	.5
64	MP4A	X	8.248	4.5
65	MP4A	Z	4.762	4.5
66	MP4A	Mx	-.004	4.5
67	MP4B	X	10.949	.5
68	MP4B	Z	6.322	.5
69	MP4B	Mx	0	.5
70	MP4B	X	10.949	4.5
71	MP4B	Z	6.322	4.5
72	MP4B	Mx	0	4.5
73	M1	X	.652	9.25
74	M1	Z	.376	9.25
75	M1	Mx	0	9.25
76	MP2B	X	6.052	.5
77	MP2B	Z	3.494	.5
78	MP2B	Mx	0	.5
79	MP3A	X	2.229	4
80	MP3A	Z	1.287	4
81	MP3A	Mx	.001	4
82	MP3B	X	2.959	4
83	MP3B	Z	1.709	4
84	MP3B	Mx	0	4
85	MP3C	X	2.229	4
86	MP3C	Z	1.287	4
87	MP3C	Mx	-.001	4
88	MP4A	X	1.957	4
89	MP4A	Z	1.13	4
90	MP4A	Mx	.000978	4
91	MP4B	X	2.959	4
92	MP4B	Z	1.709	4
93	MP4B	Mx	0	4
94	MP4C	X	1.957	4
95	MP4C	Z	1.13	4
96	MP4C	Mx	-.000979	4
97	M29	X	.652	9.25
98	M29	Z	.376	9.25
99	M29	Mx	0	9.25
100	M30B	X	.652	9.25
101	M30B	Z	.376	9.25
102	M30B	Mx	0	9.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP3A	X	.875	1
104	MP3A	Z	.505	1
105	MP3A	Mx	.000438	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.118	1.5
2	MP1A	Z	3.668	1.5
3	MP1A	Mx	-.000368	1.5
4	MP1A	X	2.118	3.5
5	MP1A	Z	3.668	3.5
6	MP1A	Mx	-.000368	3.5
7	MP1B	X	1.995	1.5
8	MP1B	Z	3.455	1.5
9	MP1B	Mx	-.000682	1.5
10	MP1B	X	1.995	3.5
11	MP1B	Z	3.455	3.5
12	MP1B	Mx	-.000682	3.5
13	MP1C	X	.787	1.5
14	MP1C	Z	1.363	1.5
15	MP1C	Mx	.000775	1.5
16	MP1C	X	.787	3.5
17	MP1C	Z	1.363	3.5
18	MP1C	Mx	.000775	3.5
19	MP3A	X	4.969	1
20	MP3A	Z	8.607	1
21	MP3A	Mx	.006	1
22	MP3A	X	4.969	4
23	MP3A	Z	8.607	4
24	MP3A	Mx	.006	4
25	MP3B	X	4.819	1
26	MP3B	Z	8.347	1
27	MP3B	Mx	-.008	1
28	MP3B	X	4.819	4
29	MP3B	Z	8.347	4
30	MP3B	Mx	-.008	4
31	MP3C	X	3.35	1
32	MP3C	Z	5.802	1
33	MP3C	Mx	.004	1
34	MP3C	X	3.35	4
35	MP3C	Z	5.802	4
36	MP3C	Mx	.004	4
37	MP3A	X	4.969	1
38	MP3A	Z	8.607	1
39	MP3A	Mx	-.007	1
40	MP3A	X	4.969	4
41	MP3A	Z	8.607	4
42	MP3A	Mx	-.007	4
43	MP3B	X	4.819	1
44	MP3B	Z	8.347	1
45	MP3B	Mx	.004	1
46	MP3B	X	4.819	4
47	MP3B	Z	8.347	4
48	MP3B	Mx	.004	4
49	MP3C	X	3.35	1
50	MP3C	Z	5.802	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.003	1
52	MP3C	X	3.35	4
53	MP3C	Z	5.802	4
54	MP3C	Mx	.003	4
55	MP4C	X	3.384	.5
56	MP4C	Z	5.862	.5
57	MP4C	Mx	.003	.5
58	MP4C	X	3.384	4.5
59	MP4C	Z	5.862	4.5
60	MP4C	Mx	.003	4.5
61	MP4A	X	5.802	.5
62	MP4A	Z	10.049	.5
63	MP4A	Mx	-.003	.5
64	MP4A	X	5.802	4.5
65	MP4A	Z	10.049	4.5
66	MP4A	Mx	-.003	4.5
67	MP4B	X	5.802	.5
68	MP4B	Z	10.049	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	5.802	4.5
71	MP4B	Z	10.049	4.5
72	MP4B	Mx	-.003	4.5
73	M1	X	.408	9.25
74	M1	Z	.706	9.25
75	M1	Mx	0	9.25
76	MP2B	X	3.285	.5
77	MP2B	Z	5.69	.5
78	MP2B	Mx	.002	.5
79	MP3A	X	1.568	4
80	MP3A	Z	2.716	4
81	MP3A	Mx	.000784	4
82	MP3B	X	1.568	4
83	MP3B	Z	2.716	4
84	MP3B	Mx	.000784	4
85	MP3C	X	1.146	4
86	MP3C	Z	1.986	4
87	MP3C	Mx	-.001	4
88	MP4A	X	1.516	4
89	MP4A	Z	2.625	4
90	MP4A	Mx	.000758	4
91	MP4B	X	1.516	4
92	MP4B	Z	2.625	4
93	MP4B	Mx	.000758	4
94	MP4C	X	.937	4
95	MP4C	Z	1.623	4
96	MP4C	Mx	-.000937	4
97	M29	X	.408	9.25
98	M29	Z	.706	9.25
99	M29	Mx	0	9.25
100	M30B	X	.408	9.25
101	M30B	Z	.706	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	.874	1
104	MP3A	Z	1.514	1
105	MP3A	Mx	.000437	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	3.99	1.5
3	MP1A	Mx	.000682	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	3.99	3.5
6	MP1A	Mx	.000682	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	2.659	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	2.659	3.5
12	MP1B	Mx	-.001	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	1.819	1.5
15	MP1C	Mx	.000855	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	1.819	3.5
18	MP1C	Mx	.000855	3.5
19	MP3A	X	0	1
20	MP3A	Z	9.639	1
21	MP3A	Mx	.008	1
22	MP3A	X	0	4
23	MP3A	Z	9.639	4
24	MP3A	Mx	.008	4
25	MP3B	X	0	1
26	MP3B	Z	8.019	1
27	MP3B	Mx	-.007	1
28	MP3B	X	0	4
29	MP3B	Z	8.019	4
30	MP3B	Mx	-.007	4
31	MP3C	X	0	1
32	MP3C	Z	6.999	1
33	MP3C	Mx	.002	1
34	MP3C	X	0	4
35	MP3C	Z	6.999	4
36	MP3C	Mx	.002	4
37	MP3A	X	0	1
38	MP3A	Z	9.639	1
39	MP3A	Mx	-.004	1
40	MP3A	X	0	4
41	MP3A	Z	9.639	4
42	MP3A	Mx	-.004	4
43	MP3B	X	0	1
44	MP3B	Z	8.019	1
45	MP3B	Mx	.000365	1
46	MP3B	X	0	4
47	MP3B	Z	8.019	4
48	MP3B	Mx	.000365	4
49	MP3C	X	0	1
50	MP3C	Z	6.999	1
51	MP3C	Mx	.005	1
52	MP3C	X	0	4
53	MP3C	Z	6.999	4
54	MP3C	Mx	.005	4
55	MP4C	X	0	.5
56	MP4C	Z	7.62	.5
57	MP4C	Mx	.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	0	4.5
59	MP4C	Z	7.62	4.5
60	MP4C	Mx	.003	4.5
61	MP4A	X	0	.5
62	MP4A	Z	12.643	.5
63	MP4A	Mx	0	.5
64	MP4A	X	0	4.5
65	MP4A	Z	12.643	4.5
66	MP4A	Mx	0	4.5
67	MP4B	X	0	.5
68	MP4B	Z	9.524	.5
69	MP4B	Mx	-.004	.5
70	MP4B	X	0	4.5
71	MP4B	Z	9.524	4.5
72	MP4B	Mx	-.004	4.5
73	M1	X	0	9.25
74	M1	Z	.753	9.25
75	M1	Mx	0	9.25
76	MP2B	X	0	.5
77	MP2B	Z	5.732	.5
78	MP2B	Mx	.002	.5
79	MP3A	X	0	4
80	MP3A	Z	3.417	4
81	MP3A	Mx	0	4
82	MP3B	X	0	4
83	MP3B	Z	2.574	4
84	MP3B	Mx	.001	4
85	MP3C	X	0	4
86	MP3C	Z	2.574	4
87	MP3C	Mx	-.001	4
88	MP4A	X	0	4
89	MP4A	Z	3.417	4
90	MP4A	Mx	0	4
91	MP4B	X	0	4
92	MP4B	Z	2.26	4
93	MP4B	Mx	.000979	4
94	MP4C	X	0	4
95	MP4C	Z	2.26	4
96	MP4C	Mx	-.000979	4
97	M29	X	0	9.25
98	M29	Z	.753	9.25
99	M29	Mx	0	9.25
100	M30B	X	0	9.25
101	M30B	Z	.753	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	0	1
104	MP3A	Z	2.116	1
105	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.329	1.5
2	MP1A	Z	2.302	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-1.329	3.5
5	MP1A	Z	2.302	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.001	3.5
7	MP1B	X	-.787	1.5
8	MP1B	Z	1.363	1.5
9	MP1B	Mx	-.000775	1.5
10	MP1B	X	-.787	3.5
11	MP1B	Z	1.363	3.5
12	MP1B	Mx	-.000775	3.5
13	MP1C	X	-1.575	1.5
14	MP1C	Z	2.728	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	-1.575	3.5
17	MP1C	Z	2.728	3.5
18	MP1C	Mx	.001	3.5
19	MP3A	X	-4.01	1
20	MP3A	Z	6.945	1
21	MP3A	Mx	.007	1
22	MP3A	X	-4.01	4
23	MP3A	Z	6.945	4
24	MP3A	Mx	.007	4
25	MP3B	X	-3.35	1
26	MP3B	Z	5.802	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-3.35	4
29	MP3B	Z	5.802	4
30	MP3B	Mx	-.004	4
31	MP3C	X	-4.309	1
32	MP3C	Z	7.463	1
33	MP3C	Mx	-.002	1
34	MP3C	X	-4.309	4
35	MP3C	Z	7.463	4
36	MP3C	Mx	-.002	4
37	MP3A	X	-4.01	1
38	MP3A	Z	6.945	1
39	MP3A	Mx	-.000365	1
40	MP3A	X	-4.01	4
41	MP3A	Z	6.945	4
42	MP3A	Mx	-.000365	4
43	MP3B	X	-3.35	1
44	MP3B	Z	5.802	1
45	MP3B	Mx	-.003	1
46	MP3B	X	-3.35	4
47	MP3B	Z	5.802	4
48	MP3B	Mx	-.003	4
49	MP3C	X	-4.309	1
50	MP3C	Z	7.463	1
51	MP3C	Mx	.007	1
52	MP3C	X	-4.309	4
53	MP3C	Z	7.463	4
54	MP3C	Mx	.007	4
55	MP4C	X	-4.661	.5
56	MP4C	Z	8.074	.5
57	MP4C	Mx	.002	.5
58	MP4C	X	-4.661	4.5
59	MP4C	Z	8.074	4.5
60	MP4C	Mx	.002	4.5
61	MP4A	X	-5.802	.5
62	MP4A	Z	10.049	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	.003	.5
64	MP4A	X	-5.802	4.5
65	MP4A	Z	10.049	4.5
66	MP4A	Mx	.003	4.5
67	MP4B	X	-4.242	.5
68	MP4B	Z	7.347	.5
69	MP4B	Mx	-.004	.5
70	MP4B	X	-4.242	4.5
71	MP4B	Z	7.347	4.5
72	MP4B	Mx	-.004	4.5
73	M1	X	-.314	9.25
74	M1	Z	.543	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-2.657	.5
77	MP2B	Z	4.601	.5
78	MP2B	Mx	.003	.5
79	MP3A	X	-1.568	4
80	MP3A	Z	2.716	4
81	MP3A	Mx	-.000784	4
82	MP3B	X	-1.146	4
83	MP3B	Z	1.986	4
84	MP3B	Mx	.001	4
85	MP3C	X	-1.568	4
86	MP3C	Z	2.716	4
87	MP3C	Mx	-.000784	4
88	MP4A	X	-1.516	4
89	MP4A	Z	2.625	4
90	MP4A	Mx	-.000758	4
91	MP4B	X	-.937	4
92	MP4B	Z	1.623	4
93	MP4B	Mx	.000937	4
94	MP4C	X	-1.516	4
95	MP4C	Z	2.625	4
96	MP4C	Mx	-.000758	4
97	M29	X	-.314	9.25
98	M29	Z	.543	9.25
99	M29	Mx	0	9.25
100	M30B	X	-.314	9.25
101	M30B	Z	.543	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-.874	1
104	MP3A	Z	1.514	1
105	MP3A	Mx	-.000437	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.363	1.5
2	MP1A	Z	.787	1.5
3	MP1A	Mx	.000775	1.5
4	MP1A	X	-1.363	3.5
5	MP1A	Z	.787	3.5
6	MP1A	Mx	.000775	3.5
7	MP1B	X	-1.576	1.5
8	MP1B	Z	.91	1.5
9	MP1B	Mx	-.000855	1.5
10	MP1B	X	-1.576	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	.91	3.5
12	MP1B	Mx	-.000855	3.5
13	MP1C	X	-3.668	1.5
14	MP1C	Z	2.118	1.5
15	MP1C	Mx	.000368	1.5
16	MP1C	X	-3.668	3.5
17	MP1C	Z	2.118	3.5
18	MP1C	Mx	.000368	3.5
19	MP3A	X	-5.802	1
20	MP3A	Z	3.35	1
21	MP3A	Mx	.004	1
22	MP3A	X	-5.802	4
23	MP3A	Z	3.35	4
24	MP3A	Mx	.004	4
25	MP3B	X	-6.061	1
26	MP3B	Z	3.499	1
27	MP3B	Mx	-.002	1
28	MP3B	X	-6.061	4
29	MP3B	Z	3.499	4
30	MP3B	Mx	-.002	4
31	MP3C	X	-8.607	1
32	MP3C	Z	4.969	1
33	MP3C	Mx	-.006	1
34	MP3C	X	-8.607	4
35	MP3C	Z	4.969	4
36	MP3C	Mx	-.006	4
37	MP3A	X	-5.802	1
38	MP3A	Z	3.35	1
39	MP3A	Mx	.003	1
40	MP3A	X	-5.802	4
41	MP3A	Z	3.35	4
42	MP3A	Mx	.003	4
43	MP3B	X	-6.061	1
44	MP3B	Z	3.499	1
45	MP3B	Mx	-.005	1
46	MP3B	X	-6.061	4
47	MP3B	Z	3.499	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-8.607	1
50	MP3C	Z	4.969	1
51	MP3C	Mx	.007	1
52	MP3C	X	-8.607	4
53	MP3C	Z	4.969	4
54	MP3C	Mx	.007	4
55	MP4C	X	-8.811	.5
56	MP4C	Z	5.087	.5
57	MP4C	Mx	0	.5
58	MP4C	X	-8.811	4.5
59	MP4C	Z	5.087	4.5
60	MP4C	Mx	0	4.5
61	MP4A	X	-8.248	.5
62	MP4A	Z	4.762	.5
63	MP4A	Mx	.004	.5
64	MP4A	X	-8.248	4.5
65	MP4A	Z	4.762	4.5
66	MP4A	Mx	.004	4.5
67	MP4B	X	-8.248	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	4.762	.5
69	MP4B	Mx	-.004	.5
70	MP4B	X	-8.248	4.5
71	MP4B	Z	4.762	4.5
72	MP4B	Mx	-.004	4.5
73	M1	X	-.489	9.25
74	M1	Z	.282	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-4.964	.5
77	MP2B	Z	2.866	.5
78	MP2B	Mx	.002	.5
79	MP3A	X	-2.229	4
80	MP3A	Z	1.287	4
81	MP3A	Mx	-.001	4
82	MP3B	X	-2.229	4
83	MP3B	Z	1.287	4
84	MP3B	Mx	.001	4
85	MP3C	X	-2.959	4
86	MP3C	Z	1.709	4
87	MP3C	Mx	0	4
88	MP4A	X	-1.957	4
89	MP4A	Z	1.13	4
90	MP4A	Mx	-.000978	4
91	MP4B	X	-1.957	4
92	MP4B	Z	1.13	4
93	MP4B	Mx	.000979	4
94	MP4C	X	-2.959	4
95	MP4C	Z	1.709	4
96	MP4C	Mx	0	4
97	M29	X	-.489	9.25
98	M29	Z	.282	9.25
99	M29	Mx	0	9.25
100	M30B	X	-.489	9.25
101	M30B	Z	.282	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-.875	1
104	MP3A	Z	.505	1
105	MP3A	Mx	-.000438	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.819	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.000855	1.5
4	MP1A	X	-1.819	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.000855	3.5
7	MP1B	X	-3.151	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	-3.151	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.001	3.5
13	MP1C	X	-3.99	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.000682	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	-3.99	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.000682	3.5
19	MP3A	X	-6.999	1
20	MP3A	Z	0	1
21	MP3A	Mx	.002	1
22	MP3A	X	-6.999	4
23	MP3A	Z	0	4
24	MP3A	Mx	.002	4
25	MP3B	X	-8.618	1
26	MP3B	Z	0	1
27	MP3B	Mx	.002	1
28	MP3B	X	-8.618	4
29	MP3B	Z	0	4
30	MP3B	Mx	.002	4
31	MP3C	X	-9.639	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.008	1
34	MP3C	X	-9.639	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.008	4
37	MP3A	X	-6.999	1
38	MP3A	Z	0	1
39	MP3A	Mx	.005	1
40	MP3A	X	-6.999	4
41	MP3A	Z	0	4
42	MP3A	Mx	.005	4
43	MP3B	X	-8.618	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.007	1
46	MP3B	X	-8.618	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.007	4
49	MP3C	X	-9.639	1
50	MP3C	Z	0	1
51	MP3C	Mx	.004	1
52	MP3C	X	-9.639	4
53	MP3C	Z	0	4
54	MP3C	Mx	.004	4
55	MP4C	X	-9.323	.5
56	MP4C	Z	0	.5
57	MP4C	Mx	-.002	.5
58	MP4C	X	-9.323	4.5
59	MP4C	Z	0	4.5
60	MP4C	Mx	-.002	4.5
61	MP4A	X	-8.484	.5
62	MP4A	Z	0	.5
63	MP4A	Mx	.004	.5
64	MP4A	X	-8.484	4.5
65	MP4A	Z	0	4.5
66	MP4A	Mx	.004	4.5
67	MP4B	X	-11.603	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	-11.603	4.5
71	MP4B	Z	0	4.5
72	MP4B	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M1	X	-.627	9.25
74	M1	Z	0	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-6.57	.5
77	MP2B	Z	0	.5
78	MP2B	Mx	.002	.5
79	MP3A	X	-2.293	4
80	MP3A	Z	0	4
81	MP3A	Mx	-.001	4
82	MP3B	X	-3.136	4
83	MP3B	Z	0	4
84	MP3B	Mx	.000784	4
85	MP3C	X	-3.136	4
86	MP3C	Z	0	4
87	MP3C	Mx	.000784	4
88	MP4A	X	-1.874	4
89	MP4A	Z	0	4
90	MP4A	Mx	-.000937	4
91	MP4B	X	-3.031	4
92	MP4B	Z	0	4
93	MP4B	Mx	.000758	4
94	MP4C	X	-3.031	4
95	MP4C	Z	0	4
96	MP4C	Mx	.000758	4
97	M29	X	-.627	9.25
98	M29	Z	0	9.25
99	M29	Mx	0	9.25
100	M30B	X	-.627	9.25
101	M30B	Z	0	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-.642	1
104	MP3A	Z	0	1
105	MP3A	Mx	-.000321	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.728	1.5
2	MP1A	Z	-1.575	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-2.728	3.5
5	MP1A	Z	-1.575	3.5
6	MP1A	Mx	.001	3.5
7	MP1B	X	-3.668	1.5
8	MP1B	Z	-2.118	1.5
9	MP1B	Mx	-.000368	1.5
10	MP1B	X	-3.668	3.5
11	MP1B	Z	-2.118	3.5
12	MP1B	Mx	-.000368	3.5
13	MP1C	X	-2.302	1.5
14	MP1C	Z	-1.329	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	-2.302	3.5
17	MP1C	Z	-1.329	3.5
18	MP1C	Mx	-.001	3.5
19	MP3A	X	-7.463	1
20	MP3A	Z	-4.309	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.002	1
22	MP3A	X	-7.463	4
23	MP3A	Z	-4.309	4
24	MP3A	Mx	-.002	4
25	MP3B	X	-8.607	1
26	MP3B	Z	-4.969	1
27	MP3B	Mx	.006	1
28	MP3B	X	-8.607	4
29	MP3B	Z	-4.969	4
30	MP3B	Mx	.006	4
31	MP3C	X	-6.945	1
32	MP3C	Z	-4.01	1
33	MP3C	Mx	-.007	1
34	MP3C	X	-6.945	4
35	MP3C	Z	-4.01	4
36	MP3C	Mx	-.007	4
37	MP3A	X	-7.463	1
38	MP3A	Z	-4.309	1
39	MP3A	Mx	.007	1
40	MP3A	X	-7.463	4
41	MP3A	Z	-4.309	4
42	MP3A	Mx	.007	4
43	MP3B	X	-8.607	1
44	MP3B	Z	-4.969	1
45	MP3B	Mx	-.007	1
46	MP3B	X	-8.607	4
47	MP3B	Z	-4.969	4
48	MP3B	Mx	-.007	4
49	MP3C	X	-6.945	1
50	MP3C	Z	-4.01	1
51	MP3C	Mx	.000365	1
52	MP3C	X	-6.945	4
53	MP3C	Z	-4.01	4
54	MP3C	Mx	.000365	4
55	MP4C	X	-6.599	.5
56	MP4C	Z	-3.81	.5
57	MP4C	Mx	-.003	.5
58	MP4C	X	-6.599	4.5
59	MP4C	Z	-3.81	4.5
60	MP4C	Mx	-.003	4.5
61	MP4A	X	-8.248	.5
62	MP4A	Z	-4.762	.5
63	MP4A	Mx	.004	.5
64	MP4A	X	-8.248	4.5
65	MP4A	Z	-4.762	4.5
66	MP4A	Mx	.004	4.5
67	MP4B	X	-10.949	.5
68	MP4B	Z	-6.322	.5
69	MP4B	Mx	0	.5
70	MP4B	X	-10.949	4.5
71	MP4B	Z	-6.322	4.5
72	MP4B	Mx	0	4.5
73	M1	X	-.652	9.25
74	M1	Z	-.376	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-6.052	.5
77	MP2B	Z	-3.494	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2B	Mx	0	.5
79	MP3A	X	-2.229	4
80	MP3A	Z	-1.287	4
81	MP3A	Mx	-.001	4
82	MP3B	X	-2.959	4
83	MP3B	Z	-1.709	4
84	MP3B	Mx	0	4
85	MP3C	X	-2.229	4
86	MP3C	Z	-1.287	4
87	MP3C	Mx	.001	4
88	MP4A	X	-1.957	4
89	MP4A	Z	-1.13	4
90	MP4A	Mx	-.000978	4
91	MP4B	X	-2.959	4
92	MP4B	Z	-1.709	4
93	MP4B	Mx	0	4
94	MP4C	X	-1.957	4
95	MP4C	Z	-1.13	4
96	MP4C	Mx	.000979	4
97	M29	X	-.652	9.25
98	M29	Z	-.376	9.25
99	M29	Mx	0	9.25
100	M30B	X	-.652	9.25
101	M30B	Z	-.376	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-.875	1
104	MP3A	Z	-.505	1
105	MP3A	Mx	-.000438	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.118	1.5
2	MP1A	Z	-3.668	1.5
3	MP1A	Mx	.000368	1.5
4	MP1A	X	-2.118	3.5
5	MP1A	Z	-3.668	3.5
6	MP1A	Mx	.000368	3.5
7	MP1B	X	-1.995	1.5
8	MP1B	Z	-3.455	1.5
9	MP1B	Mx	.000682	1.5
10	MP1B	X	-1.995	3.5
11	MP1B	Z	-3.455	3.5
12	MP1B	Mx	.000682	3.5
13	MP1C	X	-.787	1.5
14	MP1C	Z	-1.363	1.5
15	MP1C	Mx	-.000775	1.5
16	MP1C	X	-.787	3.5
17	MP1C	Z	-1.363	3.5
18	MP1C	Mx	-.000775	3.5
19	MP3A	X	-4.969	1
20	MP3A	Z	-8.607	1
21	MP3A	Mx	-.006	1
22	MP3A	X	-4.969	4
23	MP3A	Z	-8.607	4
24	MP3A	Mx	-.006	4
25	MP3B	X	-4.819	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-8.347	1
27	MP3B	Mx	.008	1
28	MP3B	X	-4.819	4
29	MP3B	Z	-8.347	4
30	MP3B	Mx	.008	4
31	MP3C	X	-3.35	1
32	MP3C	Z	-5.802	1
33	MP3C	Mx	-.004	1
34	MP3C	X	-3.35	4
35	MP3C	Z	-5.802	4
36	MP3C	Mx	-.004	4
37	MP3A	X	-4.969	1
38	MP3A	Z	-8.607	1
39	MP3A	Mx	.007	1
40	MP3A	X	-4.969	4
41	MP3A	Z	-8.607	4
42	MP3A	Mx	.007	4
43	MP3B	X	-4.819	1
44	MP3B	Z	-8.347	1
45	MP3B	Mx	-.004	1
46	MP3B	X	-4.819	4
47	MP3B	Z	-8.347	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-3.35	1
50	MP3C	Z	-5.802	1
51	MP3C	Mx	-.003	1
52	MP3C	X	-3.35	4
53	MP3C	Z	-5.802	4
54	MP3C	Mx	-.003	4
55	MP4C	X	-3.384	.5
56	MP4C	Z	-5.862	.5
57	MP4C	Mx	-.003	.5
58	MP4C	X	-3.384	4.5
59	MP4C	Z	-5.862	4.5
60	MP4C	Mx	-.003	4.5
61	MP4A	X	-5.802	.5
62	MP4A	Z	-10.049	.5
63	MP4A	Mx	.003	.5
64	MP4A	X	-5.802	4.5
65	MP4A	Z	-10.049	4.5
66	MP4A	Mx	.003	4.5
67	MP4B	X	-5.802	.5
68	MP4B	Z	-10.049	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	-5.802	4.5
71	MP4B	Z	-10.049	4.5
72	MP4B	Mx	.003	4.5
73	M1	X	-.408	9.25
74	M1	Z	-.706	9.25
75	M1	Mx	0	9.25
76	MP2B	X	-3.285	.5
77	MP2B	Z	-5.69	.5
78	MP2B	Mx	-.002	.5
79	MP3A	X	-1.568	4
80	MP3A	Z	-2.716	4
81	MP3A	Mx	-.000784	4
82	MP3B	X	-1.568	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	-2.716	4
84	MP3B	Mx	-.000784	4
85	MP3C	X	-1.146	4
86	MP3C	Z	-1.986	4
87	MP3C	Mx	.001	4
88	MP4A	X	-1.516	4
89	MP4A	Z	-2.625	4
90	MP4A	Mx	-.000758	4
91	MP4B	X	-1.516	4
92	MP4B	Z	-2.625	4
93	MP4B	Mx	-.000758	4
94	MP4C	X	-.937	4
95	MP4C	Z	-1.623	4
96	MP4C	Mx	.000937	4
97	M29	X	-.408	9.25
98	M29	Z	-.706	9.25
99	M29	Mx	0	9.25
100	M30B	X	-.408	9.25
101	M30B	Z	-.706	9.25
102	M30B	Mx	0	9.25
103	MP3A	X	-.874	1
104	MP3A	Z	-1.514	1
105	MP3A	Mx	-.000437	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M94	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M97	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-1.84	1.5
2	MP1A	My	-.000864	1.5
3	MP1A	Mz	.000315	1.5
4	MP1A	Y	-1.84	3.5
5	MP1A	My	-.000864	3.5
6	MP1A	Mz	.000315	3.5
7	MP1B	Y	-1.84	1.5
8	MP1B	My	.000591	1.5
9	MP1B	Mz	-.000705	1.5
10	MP1B	Y	-1.84	3.5
11	MP1B	My	.000591	3.5
12	MP1B	Mz	-.000705	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	Y	-1.84	1.5
14	MP1C	My	.000315	1.5
15	MP1C	Mz	.000864	1.5
16	MP1C	Y	-1.84	3.5
17	MP1C	My	.000315	3.5
18	MP1C	Mz	.000864	3.5
19	MP3A	Y	-1.337	1
20	MP3A	My	-.000323	1
21	MP3A	Mz	.001	1
22	MP3A	Y	-1.337	4
23	MP3A	My	-.000323	4
24	MP3A	Mz	.001	4
25	MP3B	Y	-1.337	1
26	MP3B	My	-.000253	1
27	MP3B	Mz	-.001	1
28	MP3B	Y	-1.337	4
29	MP3B	My	-.000253	4
30	MP3B	Mz	-.001	4
31	MP3C	Y	-1.337	1
32	MP3C	My	.001	1
33	MP3C	Mz	.000323	1
34	MP3C	Y	-1.337	4
35	MP3C	My	.001	4
36	MP3C	Mz	.000323	4
37	MP3A	Y	-1.337	1
38	MP3A	My	-.000933	1
39	MP3A	Mz	-.000609	1
40	MP3A	Y	-1.337	4
41	MP3A	My	-.000933	4
42	MP3A	Mz	-.000609	4
43	MP3B	Y	-1.337	1
44	MP3B	My	.001	1
45	MP3B	Mz	6.1e-5	1
46	MP3B	Y	-1.337	4
47	MP3B	My	.001	4
48	MP3B	Mz	6.1e-5	4
49	MP3C	Y	-1.337	1
50	MP3C	My	-.000609	1
51	MP3C	Mz	.000933	1
52	MP3C	Y	-1.337	4
53	MP3C	My	-.000609	4
54	MP3C	Mz	.000933	4
55	MP4C	Y	-.969	.5
56	MP4C	My	.000242	.5
57	MP4C	Mz	.00042	.5
58	MP4C	Y	-.969	4.5
59	MP4C	My	.000242	4.5
60	MP4C	Mz	.00042	4.5
61	MP4A	Y	-1.039	.5
62	MP4A	My	-.00052	.5
63	MP4A	Mz	0	.5
64	MP4A	Y	-1.039	4.5
65	MP4A	My	-.00052	4.5
66	MP4A	Mz	0	4.5
67	MP4B	Y	-1.039	.5
68	MP4B	My	.00026	.5
69	MP4B	Mz	-.00045	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4B	Y	-1.039	4.5
71	MP4B	My	.00026	4.5
72	MP4B	Mz	-.00045	4.5
73	M1	Y	-.439	9.25
74	M1	My	0	9.25
75	M1	Mz	0	9.25
76	MP2B	Y	-1.352	.5
77	MP2B	My	-.000338	.5
78	MP2B	Mz	.000585	.5
79	MP3A	Y	-3.565	4
80	MP3A	My	.002	4
81	MP3A	Mz	0	4
82	MP3B	Y	-3.565	4
83	MP3B	My	-.000891	4
84	MP3B	Mz	.002	4
85	MP3C	Y	-3.565	4
86	MP3C	My	-.000891	4
87	MP3C	Mz	-.002	4
88	MP4A	Y	-2.969	4
89	MP4A	My	.001	4
90	MP4A	Mz	0	4
91	MP4B	Y	-2.969	4
92	MP4B	My	-.000742	4
93	MP4B	Mz	.001	4
94	MP4C	Y	-2.969	4
95	MP4C	My	-.000742	4
96	MP4C	Mz	-.001	4
97	M29	Y	-.439	9.25
98	M29	My	0	9.25
99	M29	Mz	0	9.25
100	M30B	Y	-.439	9.25
101	M30B	My	0	9.25
102	M30B	Mz	0	9.25
103	MP3A	Y	-.743	1
104	MP3A	My	.000372	1
105	MP3A	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-4.599	1.5
2	MP1A	Mx	-.000786	1.5
3	MP1A	Z	-4.599	3.5
4	MP1A	Mx	-.000786	3.5
5	MP1B	Z	-4.599	1.5
6	MP1B	Mx	.002	1.5
7	MP1B	Z	-4.599	3.5
8	MP1B	Mx	.002	3.5
9	MP1C	Z	-4.599	1.5
10	MP1C	Mx	-.002	1.5
11	MP1C	Z	-4.599	3.5
12	MP1C	Mx	-.002	3.5
13	MP3A	Z	-3.342	1
14	MP3A	Mx	-.003	1
15	MP3A	Z	-3.342	4
16	MP3A	Mx	-.003	4
17	MP3B	Z	-3.342	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3B	Mx	.003	1
19	MP3B	Z	-3.342	4
20	MP3B	Mx	.003	4
21	MP3C	Z	-3.342	1
22	MP3C	Mx	-.000808	1
23	MP3C	Z	-3.342	4
24	MP3C	Mx	-.000808	4
25	MP3A	Z	-3.342	1
26	MP3A	Mx	.002	1
27	MP3A	Z	-3.342	4
28	MP3A	Mx	.002	4
29	MP3B	Z	-3.342	1
30	MP3B	Mx	-.000152	1
31	MP3B	Z	-3.342	4
32	MP3B	Mx	-.000152	4
33	MP3C	Z	-3.342	1
34	MP3C	Mx	-.002	1
35	MP3C	Z	-3.342	4
36	MP3C	Mx	-.002	4
37	MP4C	Z	-2.424	.5
38	MP4C	Mx	-.001	.5
39	MP4C	Z	-2.424	4.5
40	MP4C	Mx	-.001	4.5
41	MP4A	Z	-2.598	.5
42	MP4A	Mx	0	.5
43	MP4A	Z	-2.598	4.5
44	MP4A	Mx	0	4.5
45	MP4B	Z	-2.598	.5
46	MP4B	Mx	.001	.5
47	MP4B	Z	-2.598	4.5
48	MP4B	Mx	.001	4.5
49	M1	Z	-1.098	9.25
50	M1	Mx	0	9.25
51	MP2B	Z	-3.379	.5
52	MP2B	Mx	-.001	.5
53	MP3A	Z	-8.913	4
54	MP3A	Mx	0	4
55	MP3B	Z	-8.913	4
56	MP3B	Mx	-.004	4
57	MP3C	Z	-8.913	4
58	MP3C	Mx	.004	4
59	MP4A	Z	-7.424	4
60	MP4A	Mx	0	4
61	MP4B	Z	-7.424	4
62	MP4B	Mx	-.003	4
63	MP4C	Z	-7.424	4
64	MP4C	Mx	.003	4
65	M29	Z	-1.098	9.25
66	M29	Mx	0	9.25
67	M30B	Z	-1.098	9.25
68	M30B	Mx	0	9.25
69	MP3A	Z	-1.859	1
70	MP3A	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.599	1.5
2	MP1A	Mx	-.002	1.5
3	MP1A	X	4.599	3.5
4	MP1A	Mx	-.002	3.5
5	MP1B	X	4.599	1.5
6	MP1B	Mx	.001	1.5
7	MP1B	X	4.599	3.5
8	MP1B	Mx	.001	3.5
9	MP1C	X	4.599	1.5
10	MP1C	Mx	.000786	1.5
11	MP1C	X	4.599	3.5
12	MP1C	Mx	.000786	3.5
13	MP3A	X	3.342	1
14	MP3A	Mx	-.000808	1
15	MP3A	X	3.342	4
16	MP3A	Mx	-.000808	4
17	MP3B	X	3.342	1
18	MP3B	Mx	-.000633	1
19	MP3B	X	3.342	4
20	MP3B	Mx	-.000633	4
21	MP3C	X	3.342	1
22	MP3C	Mx	.003	1
23	MP3C	X	3.342	4
24	MP3C	Mx	.003	4
25	MP3A	X	3.342	1
26	MP3A	Mx	-.002	1
27	MP3A	X	3.342	4
28	MP3A	Mx	-.002	4
29	MP3B	X	3.342	1
30	MP3B	Mx	.003	1
31	MP3B	X	3.342	4
32	MP3B	Mx	.003	4
33	MP3C	X	3.342	1
34	MP3C	Mx	-.002	1
35	MP3C	X	3.342	4
36	MP3C	Mx	-.002	4
37	MP4C	X	2.424	.5
38	MP4C	Mx	.000606	.5
39	MP4C	X	2.424	4.5
40	MP4C	Mx	.000606	4.5
41	MP4A	X	2.598	.5
42	MP4A	Mx	-.001	.5
43	MP4A	X	2.598	4.5
44	MP4A	Mx	-.001	4.5
45	MP4B	X	2.598	.5
46	MP4B	Mx	.000649	.5
47	MP4B	X	2.598	4.5
48	MP4B	Mx	.000649	4.5
49	M1	X	1.098	9.25
50	M1	Mx	0	9.25
51	MP2B	X	3.379	.5
52	MP2B	Mx	-.000845	.5
53	MP3A	X	8.913	4
54	MP3A	Mx	.004	4
55	MP3B	X	8.913	4
56	MP3B	Mx	-.002	4
57	MP3C	X	8.913	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	Mx	-.002	4
59	MP4A	X	7.424	4
60	MP4A	Mx	.004	4
61	MP4B	X	7.424	4
62	MP4B	Mx	-.002	4
63	MP4C	X	7.424	4
64	MP4C	Mx	-.002	4
65	M29	X	1.098	9.25
66	M29	Mx	0	9.25
67	M30B	X	1.098	9.25
68	M30B	Mx	0	9.25
69	MP3A	X	1.859	1
70	MP3A	Mx	.000929	1

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
No Data to Print ...			

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	Y	-6.672	-6.672	0	%100
2	M4	Y	-9.754	-9.754	0	%100
3	M10	Y	-9.754	-9.754	0	%100
4	MP1A	Y	-5.065	-5.065	0	%100
5	M43	Y	-9.754	-9.754	0	%100
6	M46	Y	-10.274	-10.274	0	%100
7	M51B	Y	-5.713	-5.713	0	%100
8	M52B	Y	-5.713	-5.713	0	%100
9	M76	Y	-10.261	-10.261	0	%100
10	M77	Y	-10.261	-10.261	0	%100
11	M80	Y	-10.274	-10.274	0	%100
12	M84	Y	-10.261	-10.261	0	%100
13	M85	Y	-10.261	-10.261	0	%100
14	M91	Y	-10.274	-10.274	0	%100
15	M124	Y	-9.351	-9.351	0	%100
16	M29	Y	-6.672	-6.672	0	%100
17	M30B	Y	-6.672	-6.672	0	%100
18	M33	Y	-9.754	-9.754	0	%100
19	M34	Y	-9.754	-9.754	0	%100
20	M35	Y	-9.754	-9.754	0	%100
21	M36	Y	-10.274	-10.274	0	%100
22	M37	Y	-5.713	-5.713	0	%100
23	M38	Y	-5.713	-5.713	0	%100
24	M41	Y	-10.261	-10.261	0	%100
25	M42	Y	-10.261	-10.261	0	%100
26	M44	Y	-10.274	-10.274	0	%100
27	M46A	Y	-10.261	-10.261	0	%100
28	M47	Y	-10.261	-10.261	0	%100
29	M49	Y	-10.274	-10.274	0	%100
30	M57	Y	-9.351	-9.351	0	%100
31	M60	Y	-9.754	-9.754	0	%100
32	M61	Y	-9.754	-9.754	0	%100
33	M62	Y	-9.754	-9.754	0	%100
34	M63	Y	-10.274	-10.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
35	M64	Y	-5.713	-5.713	0	%100
36	M65	Y	-5.713	-5.713	0	%100
37	M68	Y	-10.261	-10.261	0	%100
38	M69	Y	-10.261	-10.261	0	%100
39	M71	Y	-10.274	-10.274	0	%100
40	M73	Y	-10.261	-10.261	0	%100
41	M74	Y	-10.261	-10.261	0	%100
42	M76A	Y	-10.274	-10.274	0	%100
43	M84A	Y	-9.351	-9.351	0	%100
44	M87	Y	-5.065	-5.065	0	%100
45	M89	Y	-5.065	-5.065	0	%100
46	M90	Y	-5.065	-5.065	0	%100
47	MP2A	Y	-5.065	-5.065	0	%100
48	MP3A	Y	-5.065	-5.065	0	%100
49	MP4A	Y	-5.065	-5.065	0	%100
50	MP1C	Y	-5.065	-5.065	0	%100
51	MP2C	Y	-5.065	-5.065	0	%100
52	MP3C	Y	-5.065	-5.065	0	%100
53	MP4C	Y	-5.065	-5.065	0	%100
54	MP1B	Y	-5.065	-5.065	0	%100
55	MP2B	Y	-5.065	-5.065	0	%100
56	MP3B	Y	-5.065	-5.065	0	%100
57	MP4B	Y	-5.065	-5.065	0	%100
58	M130	Y	-6.723	-6.723	0	%100
59	M131	Y	-6.723	-6.723	0	%100
60	M132	Y	-6.723	-6.723	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	-14.088	-14.088	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.453	-12.453	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.832	-9.832	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-12.453	-12.453	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-24.838	-24.838	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.45	-3.45	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.45	-3.45	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-6.325	-6.325	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-6.662	-6.662	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-6.325	-6.325	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	-6.662	-6.662	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	-12.107	-12.107	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	-3.522	-3.522	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	-3.522	-3.522	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-11.088	-11.088	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-3.113	-3.113	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-3.113	-3.113	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-6.21	-6.21	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-3.45	-3.45	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	-13.799	-13.799	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-18.629	-18.629	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-6.325	-6.325	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-6.662	-6.662	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	-18.629	-18.629	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	-25.298	-25.298	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-26.646	-26.646	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-15.141	-15.141	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-11.088	-11.088	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-3.113	-3.113	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-3.113	-3.113	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	-6.21	-6.21	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-13.799	-13.799	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-3.45	-3.45	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-18.629	-18.629	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	-25.298	-25.298	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	-26.646	-26.646	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-18.629	-18.629	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-6.325	-6.325	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	-6.662	-6.662	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	-15.141	-15.141	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-9.832	-9.832	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	-2.458	-2.458	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	-2.458	-2.458	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-9.832	-9.832	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-9.832	-9.832	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-9.832	-9.832	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-9.832	-9.832	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-9.832	-9.832	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-9.832	-9.832	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-9.832	-9.832	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-9.832	-9.832	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-9.832	-9.832	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-9.832	-9.832	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-9.832	-9.832	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-11.495	-11.495	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	-2.874	-2.874	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-2.874	-2.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	5.283	5.283	0	%100
2	M1	Z	-9.15	-9.15	0	%100
3	M4	X	1.848	1.848	0	%100
4	M4	Z	-3.201	-3.201	0	%100
5	M10	X	4.67	4.67	0	%100
6	M10	Z	-8.088	-8.088	0	%100
7	MP1A	X	4.916	4.916	0	%100
8	MP1A	Z	-8.515	-8.515	0	%100
9	M43	X	4.67	4.67	0	%100
10	M43	Z	-8.088	-8.088	0	%100
11	M46	X	9.314	9.314	0	%100
12	M46	Z	-16.133	-16.133	0	%100
13	M51B	X	5.175	5.175	0	%100
14	M51B	Z	-8.963	-8.963	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.105	3.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	-5.378	-5.378	0	%100
19	M77	X	9.487	9.487	0	%100
20	M77	Z	-16.432	-16.432	0	%100
21	M80	X	9.992	9.992	0	%100
22	M80	Z	-17.307	-17.307	0	%100
23	M84	X	3.105	3.105	0	%100
24	M84	Z	-5.378	-5.378	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	6.559	6.559	0	%100
30	M124	Z	-11.361	-11.361	0	%100
31	M29	X	5.283	5.283	0	%100
32	M29	Z	-9.15	-9.15	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	1.848	1.848	0	%100
36	M33	Z	-3.201	-3.201	0	%100
37	M34	X	4.67	4.67	0	%100
38	M34	Z	-8.088	-8.088	0	%100
39	M35	X	4.67	4.67	0	%100
40	M35	Z	-8.088	-8.088	0	%100
41	M36	X	9.314	9.314	0	%100
42	M36	Z	-16.133	-16.133	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	5.175	5.175	0	%100
46	M38	Z	-8.963	-8.963	0	%100
47	M41	X	3.105	3.105	0	%100
48	M41	Z	-5.378	-5.378	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	3.105	3.105	0	%100
54	M46A	Z	-5.378	-5.378	0	%100
55	M47	X	9.487	9.487	0	%100
56	M47	Z	-16.432	-16.432	0	%100
57	M49	X	9.992	9.992	0	%100
58	M49	Z	-17.307	-17.307	0	%100
59	M57	X	6.559	6.559	0	%100
60	M57	Z	-11.361	-11.361	0	%100
61	M60	X	7.392	7.392	0	%100
62	M60	Z	-12.803	-12.803	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	5.175	5.175	0	%100
70	M64	Z	-8.963	-8.963	0	%100
71	M65	X	5.175	5.175	0	%100
72	M65	Z	-8.963	-8.963	0	%100
73	M68	X	12.419	12.419	0	%100
74	M68	Z	-21.511	-21.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	9.487	9.487	0	%100
76	M69	Z	-16.432	-16.432	0	%100
77	M71	X	9.992	9.992	0	%100
78	M71	Z	-17.307	-17.307	0	%100
79	M73	X	12.419	12.419	0	%100
80	M73	Z	-21.511	-21.511	0	%100
81	M74	X	9.487	9.487	0	%100
82	M74	Z	-16.432	-16.432	0	%100
83	M76A	X	9.992	9.992	0	%100
84	M76A	Z	-17.307	-17.307	0	%100
85	M84A	X	8.076	8.076	0	%100
86	M84A	Z	-13.988	-13.988	0	%100
87	M87	X	3.687	3.687	0	%100
88	M87	Z	-6.386	-6.386	0	%100
89	M89	X	3.687	3.687	0	%100
90	M89	Z	-6.386	-6.386	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	4.916	4.916	0	%100
94	MP2A	Z	-8.515	-8.515	0	%100
95	MP3A	X	4.916	4.916	0	%100
96	MP3A	Z	-8.515	-8.515	0	%100
97	MP4A	X	4.916	4.916	0	%100
98	MP4A	Z	-8.515	-8.515	0	%100
99	MP1C	X	4.916	4.916	0	%100
100	MP1C	Z	-8.515	-8.515	0	%100
101	MP2C	X	4.916	4.916	0	%100
102	MP2C	Z	-8.515	-8.515	0	%100
103	MP3C	X	4.916	4.916	0	%100
104	MP3C	Z	-8.515	-8.515	0	%100
105	MP4C	X	4.916	4.916	0	%100
106	MP4C	Z	-8.515	-8.515	0	%100
107	MP1B	X	4.916	4.916	0	%100
108	MP1B	Z	-8.515	-8.515	0	%100
109	MP2B	X	4.916	4.916	0	%100
110	MP2B	Z	-8.515	-8.515	0	%100
111	MP3B	X	4.916	4.916	0	%100
112	MP3B	Z	-8.515	-8.515	0	%100
113	MP4B	X	4.916	4.916	0	%100
114	MP4B	Z	-8.515	-8.515	0	%100
115	M130	X	4.31	4.31	0	%100
116	M130	Z	-7.466	-7.466	0	%100
117	M131	X	4.31	4.31	0	%100
118	M131	Z	-7.466	-7.466	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	3.05	3.05	0	%100
2	M1	Z	-1.761	-1.761	0	%100
3	M4	X	9.602	9.602	0	%100
4	M4	Z	-5.544	-5.544	0	%100
5	M10	X	2.696	2.696	0	%100
6	M10	Z	-1.557	-1.557	0	%100
7	MP1A	X	8.515	8.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	-4.916	-4.916	0	%100
9	M43	X	2.696	2.696	0	%100
10	M43	Z	-1.557	-1.557	0	%100
11	M46	X	5.378	5.378	0	%100
12	M46	Z	-3.105	-3.105	0	%100
13	M51B	X	11.95	11.95	0	%100
14	M51B	Z	-6.9	-6.9	0	%100
15	M52B	X	2.988	2.988	0	%100
16	M52B	Z	-1.725	-1.725	0	%100
17	M76	X	16.133	16.133	0	%100
18	M76	Z	-9.314	-9.314	0	%100
19	M77	X	21.909	21.909	0	%100
20	M77	Z	-12.649	-12.649	0	%100
21	M80	X	23.076	23.076	0	%100
22	M80	Z	-13.323	-13.323	0	%100
23	M84	X	16.133	16.133	0	%100
24	M84	Z	-9.314	-9.314	0	%100
25	M85	X	5.477	5.477	0	%100
26	M85	Z	-3.162	-3.162	0	%100
27	M91	X	5.769	5.769	0	%100
28	M91	Z	-3.331	-3.331	0	%100
29	M124	X	13.112	13.112	0	%100
30	M124	Z	-7.57	-7.57	0	%100
31	M29	X	12.2	12.2	0	%100
32	M29	Z	-7.044	-7.044	0	%100
33	M30B	X	3.05	3.05	0	%100
34	M30B	Z	-1.761	-1.761	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	10.784	10.784	0	%100
38	M34	Z	-6.226	-6.226	0	%100
39	M35	X	10.784	10.784	0	%100
40	M35	Z	-6.226	-6.226	0	%100
41	M36	X	21.511	21.511	0	%100
42	M36	Z	-12.419	-12.419	0	%100
43	M37	X	2.988	2.988	0	%100
44	M37	Z	-1.725	-1.725	0	%100
45	M38	X	2.988	2.988	0	%100
46	M38	Z	-1.725	-1.725	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	5.477	5.477	0	%100
50	M42	Z	-3.162	-3.162	0	%100
51	M44	X	5.769	5.769	0	%100
52	M44	Z	-3.331	-3.331	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	5.477	5.477	0	%100
56	M47	Z	-3.162	-3.162	0	%100
57	M49	X	5.769	5.769	0	%100
58	M49	Z	-3.331	-3.331	0	%100
59	M57	X	10.485	10.485	0	%100
60	M57	Z	-6.054	-6.054	0	%100
61	M60	X	9.602	9.602	0	%100
62	M60	Z	-5.544	-5.544	0	%100
63	M61	X	2.696	2.696	0	%100
64	M61	Z	-1.557	-1.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	2.696	2.696	0	%100
66	M62	Z	-1.557	-1.557	0	%100
67	M63	X	5.378	5.378	0	%100
68	M63	Z	-3.105	-3.105	0	%100
69	M64	X	2.988	2.988	0	%100
70	M64	Z	-1.725	-1.725	0	%100
71	M65	X	11.95	11.95	0	%100
72	M65	Z	-6.9	-6.9	0	%100
73	M68	X	16.133	16.133	0	%100
74	M68	Z	-9.314	-9.314	0	%100
75	M69	X	5.477	5.477	0	%100
76	M69	Z	-3.162	-3.162	0	%100
77	M71	X	5.769	5.769	0	%100
78	M71	Z	-3.331	-3.331	0	%100
79	M73	X	16.133	16.133	0	%100
80	M73	Z	-9.314	-9.314	0	%100
81	M74	X	21.909	21.909	0	%100
82	M74	Z	-12.649	-12.649	0	%100
83	M76A	X	23.076	23.076	0	%100
84	M76A	Z	-13.323	-13.323	0	%100
85	M84A	X	13.112	13.112	0	%100
86	M84A	Z	-7.57	-7.57	0	%100
87	M87	X	2.129	2.129	0	%100
88	M87	Z	-1.229	-1.229	0	%100
89	M89	X	8.515	8.515	0	%100
90	M89	Z	-4.916	-4.916	0	%100
91	M90	X	2.129	2.129	0	%100
92	M90	Z	-1.229	-1.229	0	%100
93	MP2A	X	8.515	8.515	0	%100
94	MP2A	Z	-4.916	-4.916	0	%100
95	MP3A	X	8.515	8.515	0	%100
96	MP3A	Z	-4.916	-4.916	0	%100
97	MP4A	X	8.515	8.515	0	%100
98	MP4A	Z	-4.916	-4.916	0	%100
99	MP1C	X	8.515	8.515	0	%100
100	MP1C	Z	-4.916	-4.916	0	%100
101	MP2C	X	8.515	8.515	0	%100
102	MP2C	Z	-4.916	-4.916	0	%100
103	MP3C	X	8.515	8.515	0	%100
104	MP3C	Z	-4.916	-4.916	0	%100
105	MP4C	X	8.515	8.515	0	%100
106	MP4C	Z	-4.916	-4.916	0	%100
107	MP1B	X	8.515	8.515	0	%100
108	MP1B	Z	-4.916	-4.916	0	%100
109	MP2B	X	8.515	8.515	0	%100
110	MP2B	Z	-4.916	-4.916	0	%100
111	MP3B	X	8.515	8.515	0	%100
112	MP3B	Z	-4.916	-4.916	0	%100
113	MP4B	X	8.515	8.515	0	%100
114	MP4B	Z	-4.916	-4.916	0	%100
115	M130	X	2.489	2.489	0	%100
116	M130	Z	-1.437	-1.437	0	%100
117	M131	X	9.955	9.955	0	%100
118	M131	Z	-5.747	-5.747	0	%100
119	M132	X	2.489	2.489	0	%100
120	M132	Z	-1.437	-1.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	14.784	14.784	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	9.832	9.832	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	10.349	10.349	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	10.349	10.349	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	24.838	24.838	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	18.974	18.974	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	19.985	19.985	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	24.838	24.838	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	18.974	18.974	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	19.985	19.985	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	16.152	16.152	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	10.566	10.566	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	10.566	10.566	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	3.696	3.696	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	9.34	9.34	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	9.34	9.34	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	18.629	18.629	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	10.349	10.349	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	6.21	6.21	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	18.974	18.974	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	19.985	19.985	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	6.21	6.21	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	13.118	13.118	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	3.696	3.696	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	9.34	9.34	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	9.34	9.34	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	18.629	18.629	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	10.349	10.349	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	6.21	6.21	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	6.21	6.21	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	18.974	18.974	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	19.985	19.985	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	13.118	13.118	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	7.374	7.374	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	7.374	7.374	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	9.832	9.832	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	9.832	9.832	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	9.832	9.832	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	9.832	9.832	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	9.832	9.832	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	9.832	9.832	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	9.832	9.832	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	9.832	9.832	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	9.832	9.832	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	9.832	9.832	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	9.832	9.832	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	8.621	8.621	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	8.621	8.621	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	3.05	3.05	0	%100
2	M1	Z	1.761	1.761	0	%100
3	M4	X	9.602	9.602	0	%100
4	M4	Z	5.544	5.544	0	%100
5	M10	X	2.696	2.696	0	%100
6	M10	Z	1.557	1.557	0	%100
7	MP1A	X	8.515	8.515	0	%100
8	MP1A	Z	4.916	4.916	0	%100
9	M43	X	2.696	2.696	0	%100
10	M43	Z	1.557	1.557	0	%100
11	M46	X	5.378	5.378	0	%100
12	M46	Z	3.105	3.105	0	%100
13	M51B	X	2.988	2.988	0	%100
14	M51B	Z	1.725	1.725	0	%100
15	M52B	X	11.95	11.95	0	%100
16	M52B	Z	6.9	6.9	0	%100
17	M76	X	16.133	16.133	0	%100
18	M76	Z	9.314	9.314	0	%100
19	M77	X	5.477	5.477	0	%100
20	M77	Z	3.162	3.162	0	%100
21	M80	X	5.769	5.769	0	%100
22	M80	Z	3.331	3.331	0	%100
23	M84	X	16.133	16.133	0	%100
24	M84	Z	9.314	9.314	0	%100
25	M85	X	21.909	21.909	0	%100
26	M85	Z	12.649	12.649	0	%100
27	M91	X	23.076	23.076	0	%100
28	M91	Z	13.323	13.323	0	%100
29	M124	X	13.112	13.112	0	%100
30	M124	Z	7.57	7.57	0	%100
31	M29	X	3.05	3.05	0	%100
32	M29	Z	1.761	1.761	0	%100
33	M30B	X	12.2	12.2	0	%100
34	M30B	Z	7.044	7.044	0	%100
35	M33	X	9.602	9.602	0	%100
36	M33	Z	5.544	5.544	0	%100
37	M34	X	2.696	2.696	0	%100
38	M34	Z	1.557	1.557	0	%100
39	M35	X	2.696	2.696	0	%100
40	M35	Z	1.557	1.557	0	%100
41	M36	X	5.378	5.378	0	%100
42	M36	Z	3.105	3.105	0	%100
43	M37	X	11.95	11.95	0	%100
44	M37	Z	6.9	6.9	0	%100
45	M38	X	2.988	2.988	0	%100
46	M38	Z	1.725	1.725	0	%100
47	M41	X	16.133	16.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	9.314	9.314	0	%100
49	M42	X	21.909	21.909	0	%100
50	M42	Z	12.649	12.649	0	%100
51	M44	X	23.076	23.076	0	%100
52	M44	Z	13.323	13.323	0	%100
53	M46A	X	16.133	16.133	0	%100
54	M46A	Z	9.314	9.314	0	%100
55	M47	X	5.477	5.477	0	%100
56	M47	Z	3.162	3.162	0	%100
57	M49	X	5.769	5.769	0	%100
58	M49	Z	3.331	3.331	0	%100
59	M57	X	13.112	13.112	0	%100
60	M57	Z	7.57	7.57	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	10.784	10.784	0	%100
64	M61	Z	6.226	6.226	0	%100
65	M62	X	10.784	10.784	0	%100
66	M62	Z	6.226	6.226	0	%100
67	M63	X	21.511	21.511	0	%100
68	M63	Z	12.419	12.419	0	%100
69	M64	X	2.988	2.988	0	%100
70	M64	Z	1.725	1.725	0	%100
71	M65	X	2.988	2.988	0	%100
72	M65	Z	1.725	1.725	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	5.477	5.477	0	%100
76	M69	Z	3.162	3.162	0	%100
77	M71	X	5.769	5.769	0	%100
78	M71	Z	3.331	3.331	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	5.477	5.477	0	%100
82	M74	Z	3.162	3.162	0	%100
83	M76A	X	5.769	5.769	0	%100
84	M76A	Z	3.331	3.331	0	%100
85	M84A	X	10.485	10.485	0	%100
86	M84A	Z	6.054	6.054	0	%100
87	M87	X	2.129	2.129	0	%100
88	M87	Z	1.229	1.229	0	%100
89	M89	X	2.129	2.129	0	%100
90	M89	Z	1.229	1.229	0	%100
91	M90	X	8.515	8.515	0	%100
92	M90	Z	4.916	4.916	0	%100
93	MP2A	X	8.515	8.515	0	%100
94	MP2A	Z	4.916	4.916	0	%100
95	MP3A	X	8.515	8.515	0	%100
96	MP3A	Z	4.916	4.916	0	%100
97	MP4A	X	8.515	8.515	0	%100
98	MP4A	Z	4.916	4.916	0	%100
99	MP1C	X	8.515	8.515	0	%100
100	MP1C	Z	4.916	4.916	0	%100
101	MP2C	X	8.515	8.515	0	%100
102	MP2C	Z	4.916	4.916	0	%100
103	MP3C	X	8.515	8.515	0	%100
104	MP3C	Z	4.916	4.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	8.515	8.515	0	%100
106	MP4C	Z	4.916	4.916	0	%100
107	MP1B	X	8.515	8.515	0	%100
108	MP1B	Z	4.916	4.916	0	%100
109	MP2B	X	8.515	8.515	0	%100
110	MP2B	Z	4.916	4.916	0	%100
111	MP3B	X	8.515	8.515	0	%100
112	MP3B	Z	4.916	4.916	0	%100
113	MP4B	X	8.515	8.515	0	%100
114	MP4B	Z	4.916	4.916	0	%100
115	M130	X	2.489	2.489	0	%100
116	M130	Z	1.437	1.437	0	%100
117	M131	X	2.489	2.489	0	%100
118	M131	Z	1.437	1.437	0	%100
119	M132	X	9.955	9.955	0	%100
120	M132	Z	5.747	5.747	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	5.283	5.283	0	%100
2	M1	Z	9.15	9.15	0	%100
3	M4	X	1.848	1.848	0	%100
4	M4	Z	3.201	3.201	0	%100
5	M10	X	4.67	4.67	0	%100
6	M10	Z	8.088	8.088	0	%100
7	MP1A	X	4.916	4.916	0	%100
8	MP1A	Z	8.515	8.515	0	%100
9	M43	X	4.67	4.67	0	%100
10	M43	Z	8.088	8.088	0	%100
11	M46	X	9.314	9.314	0	%100
12	M46	Z	16.133	16.133	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	5.175	5.175	0	%100
16	M52B	Z	8.963	8.963	0	%100
17	M76	X	3.105	3.105	0	%100
18	M76	Z	5.378	5.378	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	3.105	3.105	0	%100
24	M84	Z	5.378	5.378	0	%100
25	M85	X	9.487	9.487	0	%100
26	M85	Z	16.432	16.432	0	%100
27	M91	X	9.992	9.992	0	%100
28	M91	Z	17.307	17.307	0	%100
29	M124	X	6.559	6.559	0	%100
30	M124	Z	11.361	11.361	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	5.283	5.283	0	%100
34	M30B	Z	9.15	9.15	0	%100
35	M33	X	7.392	7.392	0	%100
36	M33	Z	12.803	12.803	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	5.175	5.175	0	%100
44	M37	Z	8.963	8.963	0	%100
45	M38	X	5.175	5.175	0	%100
46	M38	Z	8.963	8.963	0	%100
47	M41	X	12.419	12.419	0	%100
48	M41	Z	21.511	21.511	0	%100
49	M42	X	9.487	9.487	0	%100
50	M42	Z	16.432	16.432	0	%100
51	M44	X	9.992	9.992	0	%100
52	M44	Z	17.307	17.307	0	%100
53	M46A	X	12.419	12.419	0	%100
54	M46A	Z	21.511	21.511	0	%100
55	M47	X	9.487	9.487	0	%100
56	M47	Z	16.432	16.432	0	%100
57	M49	X	9.992	9.992	0	%100
58	M49	Z	17.307	17.307	0	%100
59	M57	X	8.076	8.076	0	%100
60	M57	Z	13.988	13.988	0	%100
61	M60	X	1.848	1.848	0	%100
62	M60	Z	3.201	3.201	0	%100
63	M61	X	4.67	4.67	0	%100
64	M61	Z	8.088	8.088	0	%100
65	M62	X	4.67	4.67	0	%100
66	M62	Z	8.088	8.088	0	%100
67	M63	X	9.314	9.314	0	%100
68	M63	Z	16.133	16.133	0	%100
69	M64	X	5.175	5.175	0	%100
70	M64	Z	8.963	8.963	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	3.105	3.105	0	%100
74	M68	Z	5.378	5.378	0	%100
75	M69	X	9.487	9.487	0	%100
76	M69	Z	16.432	16.432	0	%100
77	M71	X	9.992	9.992	0	%100
78	M71	Z	17.307	17.307	0	%100
79	M73	X	3.105	3.105	0	%100
80	M73	Z	5.378	5.378	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	6.559	6.559	0	%100
86	M84A	Z	11.361	11.361	0	%100
87	M87	X	3.687	3.687	0	%100
88	M87	Z	6.386	6.386	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	3.687	3.687	0	%100
92	M90	Z	6.386	6.386	0	%100
93	MP2A	X	4.916	4.916	0	%100
94	MP2A	Z	8.515	8.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	4.916	4.916	0	%100
96	MP3A	Z	8.515	8.515	0	%100
97	MP4A	X	4.916	4.916	0	%100
98	MP4A	Z	8.515	8.515	0	%100
99	MP1C	X	4.916	4.916	0	%100
100	MP1C	Z	8.515	8.515	0	%100
101	MP2C	X	4.916	4.916	0	%100
102	MP2C	Z	8.515	8.515	0	%100
103	MP3C	X	4.916	4.916	0	%100
104	MP3C	Z	8.515	8.515	0	%100
105	MP4C	X	4.916	4.916	0	%100
106	MP4C	Z	8.515	8.515	0	%100
107	MP1B	X	4.916	4.916	0	%100
108	MP1B	Z	8.515	8.515	0	%100
109	MP2B	X	4.916	4.916	0	%100
110	MP2B	Z	8.515	8.515	0	%100
111	MP3B	X	4.916	4.916	0	%100
112	MP3B	Z	8.515	8.515	0	%100
113	MP4B	X	4.916	4.916	0	%100
114	MP4B	Z	8.515	8.515	0	%100
115	M130	X	4.31	4.31	0	%100
116	M130	Z	7.466	7.466	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	4.31	4.31	0	%100
120	M132	Z	7.466	7.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	14.088	14.088	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.453	12.453	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.832	9.832	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	12.453	12.453	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	24.838	24.838	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	3.45	3.45	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	3.45	3.45	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	6.325	6.325	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	6.662	6.662	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	6.325	6.325	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	6.662	6.662	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	12.107	12.107	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	3.522	3.522	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	3.522	3.522	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	11.088	11.088	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	3.113	3.113	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	3.113	3.113	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	6.21	6.21	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	3.45	3.45	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	13.799	13.799	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	18.629	18.629	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	6.325	6.325	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	6.662	6.662	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	18.629	18.629	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	25.298	25.298	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	26.646	26.646	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	15.141	15.141	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	11.088	11.088	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	3.113	3.113	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	3.113	3.113	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	6.21	6.21	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	13.799	13.799	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	3.45	3.45	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	18.629	18.629	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	25.298	25.298	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	26.646	26.646	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	18.629	18.629	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	6.325	6.325	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	6.662	6.662	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	15.141	15.141	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	9.832	9.832	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	2.458	2.458	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	2.458	2.458	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	9.832	9.832	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	9.832	9.832	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	9.832	9.832	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	9.832	9.832	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	9.832	9.832	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	9.832	9.832	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	9.832	9.832	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	9.832	9.832	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	9.832	9.832	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	9.832	9.832	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	9.832	9.832	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	11.495	11.495	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	2.874	2.874	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	2.874	2.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-5.283	-5.283	0	%100
2	M1	Z	9.15	9.15	0	%100
3	M4	X	-1.848	-1.848	0	%100
4	M4	Z	3.201	3.201	0	%100
5	M10	X	-4.67	-4.67	0	%100
6	M10	Z	8.088	8.088	0	%100
7	MP1A	X	-4.916	-4.916	0	%100
8	MP1A	Z	8.515	8.515	0	%100
9	M43	X	-4.67	-4.67	0	%100
10	M43	Z	8.088	8.088	0	%100
11	M46	X	-9.314	-9.314	0	%100
12	M46	Z	16.133	16.133	0	%100
13	M51B	X	-5.175	-5.175	0	%100
14	M51B	Z	8.963	8.963	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.105	-3.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	5.378	5.378	0	%100
19	M77	X	-9.487	-9.487	0	%100
20	M77	Z	16.432	16.432	0	%100
21	M80	X	-9.992	-9.992	0	%100
22	M80	Z	17.307	17.307	0	%100
23	M84	X	-3.105	-3.105	0	%100
24	M84	Z	5.378	5.378	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-6.559	-6.559	0	%100
30	M124	Z	11.361	11.361	0	%100
31	M29	X	-5.283	-5.283	0	%100
32	M29	Z	9.15	9.15	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-1.848	-1.848	0	%100
36	M33	Z	3.201	3.201	0	%100
37	M34	X	-4.67	-4.67	0	%100
38	M34	Z	8.088	8.088	0	%100
39	M35	X	-4.67	-4.67	0	%100
40	M35	Z	8.088	8.088	0	%100
41	M36	X	-9.314	-9.314	0	%100
42	M36	Z	16.133	16.133	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-5.175	-5.175	0	%100
46	M38	Z	8.963	8.963	0	%100
47	M41	X	-3.105	-3.105	0	%100
48	M41	Z	5.378	5.378	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-3.105	-3.105	0	%100
54	M46A	Z	5.378	5.378	0	%100
55	M47	X	-9.487	-9.487	0	%100
56	M47	Z	16.432	16.432	0	%100
57	M49	X	-9.992	-9.992	0	%100
58	M49	Z	17.307	17.307	0	%100
59	M57	X	-6.559	-6.559	0	%100
60	M57	Z	11.361	11.361	0	%100
61	M60	X	-7.392	-7.392	0	%100
62	M60	Z	12.803	12.803	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-5.175	-5.175	0	%100
70	M64	Z	8.963	8.963	0	%100
71	M65	X	-5.175	-5.175	0	%100
72	M65	Z	8.963	8.963	0	%100
73	M68	X	-12.419	-12.419	0	%100
74	M68	Z	21.511	21.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	-9.487	-9.487	0	%100
76	M69	Z	16.432	16.432	0	%100
77	M71	X	-9.992	-9.992	0	%100
78	M71	Z	17.307	17.307	0	%100
79	M73	X	-12.419	-12.419	0	%100
80	M73	Z	21.511	21.511	0	%100
81	M74	X	-9.487	-9.487	0	%100
82	M74	Z	16.432	16.432	0	%100
83	M76A	X	-9.992	-9.992	0	%100
84	M76A	Z	17.307	17.307	0	%100
85	M84A	X	-8.076	-8.076	0	%100
86	M84A	Z	13.988	13.988	0	%100
87	M87	X	-3.687	-3.687	0	%100
88	M87	Z	6.386	6.386	0	%100
89	M89	X	-3.687	-3.687	0	%100
90	M89	Z	6.386	6.386	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-4.916	-4.916	0	%100
94	MP2A	Z	8.515	8.515	0	%100
95	MP3A	X	-4.916	-4.916	0	%100
96	MP3A	Z	8.515	8.515	0	%100
97	MP4A	X	-4.916	-4.916	0	%100
98	MP4A	Z	8.515	8.515	0	%100
99	MP1C	X	-4.916	-4.916	0	%100
100	MP1C	Z	8.515	8.515	0	%100
101	MP2C	X	-4.916	-4.916	0	%100
102	MP2C	Z	8.515	8.515	0	%100
103	MP3C	X	-4.916	-4.916	0	%100
104	MP3C	Z	8.515	8.515	0	%100
105	MP4C	X	-4.916	-4.916	0	%100
106	MP4C	Z	8.515	8.515	0	%100
107	MP1B	X	-4.916	-4.916	0	%100
108	MP1B	Z	8.515	8.515	0	%100
109	MP2B	X	-4.916	-4.916	0	%100
110	MP2B	Z	8.515	8.515	0	%100
111	MP3B	X	-4.916	-4.916	0	%100
112	MP3B	Z	8.515	8.515	0	%100
113	MP4B	X	-4.916	-4.916	0	%100
114	MP4B	Z	8.515	8.515	0	%100
115	M130	X	-4.31	-4.31	0	%100
116	M130	Z	7.466	7.466	0	%100
117	M131	X	-4.31	-4.31	0	%100
118	M131	Z	7.466	7.466	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-3.05	-3.05	0	%100
2	M1	Z	1.761	1.761	0	%100
3	M4	X	-9.602	-9.602	0	%100
4	M4	Z	5.544	5.544	0	%100
5	M10	X	-2.696	-2.696	0	%100
6	M10	Z	1.557	1.557	0	%100
7	MP1A	X	-8.515	-8.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	4.916	4.916	0	%100
9	M43	X	-2.696	-2.696	0	%100
10	M43	Z	1.557	1.557	0	%100
11	M46	X	-5.378	-5.378	0	%100
12	M46	Z	3.105	3.105	0	%100
13	M51B	X	-11.95	-11.95	0	%100
14	M51B	Z	6.9	6.9	0	%100
15	M52B	X	-2.988	-2.988	0	%100
16	M52B	Z	1.725	1.725	0	%100
17	M76	X	-16.133	-16.133	0	%100
18	M76	Z	9.314	9.314	0	%100
19	M77	X	-21.909	-21.909	0	%100
20	M77	Z	12.649	12.649	0	%100
21	M80	X	-23.076	-23.076	0	%100
22	M80	Z	13.323	13.323	0	%100
23	M84	X	-16.133	-16.133	0	%100
24	M84	Z	9.314	9.314	0	%100
25	M85	X	-5.477	-5.477	0	%100
26	M85	Z	3.162	3.162	0	%100
27	M91	X	-5.769	-5.769	0	%100
28	M91	Z	3.331	3.331	0	%100
29	M124	X	-13.112	-13.112	0	%100
30	M124	Z	7.57	7.57	0	%100
31	M29	X	-12.2	-12.2	0	%100
32	M29	Z	7.044	7.044	0	%100
33	M30B	X	-3.05	-3.05	0	%100
34	M30B	Z	1.761	1.761	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-10.784	-10.784	0	%100
38	M34	Z	6.226	6.226	0	%100
39	M35	X	-10.784	-10.784	0	%100
40	M35	Z	6.226	6.226	0	%100
41	M36	X	-21.511	-21.511	0	%100
42	M36	Z	12.419	12.419	0	%100
43	M37	X	-2.988	-2.988	0	%100
44	M37	Z	1.725	1.725	0	%100
45	M38	X	-2.988	-2.988	0	%100
46	M38	Z	1.725	1.725	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-5.477	-5.477	0	%100
50	M42	Z	3.162	3.162	0	%100
51	M44	X	-5.769	-5.769	0	%100
52	M44	Z	3.331	3.331	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	-5.477	-5.477	0	%100
56	M47	Z	3.162	3.162	0	%100
57	M49	X	-5.769	-5.769	0	%100
58	M49	Z	3.331	3.331	0	%100
59	M57	X	-10.485	-10.485	0	%100
60	M57	Z	6.054	6.054	0	%100
61	M60	X	-9.602	-9.602	0	%100
62	M60	Z	5.544	5.544	0	%100
63	M61	X	-2.696	-2.696	0	%100
64	M61	Z	1.557	1.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	-2.696	-2.696	0	%100
66	M62	Z	1.557	1.557	0	%100
67	M63	X	-5.378	-5.378	0	%100
68	M63	Z	3.105	3.105	0	%100
69	M64	X	-2.988	-2.988	0	%100
70	M64	Z	1.725	1.725	0	%100
71	M65	X	-11.95	-11.95	0	%100
72	M65	Z	6.9	6.9	0	%100
73	M68	X	-16.133	-16.133	0	%100
74	M68	Z	9.314	9.314	0	%100
75	M69	X	-5.477	-5.477	0	%100
76	M69	Z	3.162	3.162	0	%100
77	M71	X	-5.769	-5.769	0	%100
78	M71	Z	3.331	3.331	0	%100
79	M73	X	-16.133	-16.133	0	%100
80	M73	Z	9.314	9.314	0	%100
81	M74	X	-21.909	-21.909	0	%100
82	M74	Z	12.649	12.649	0	%100
83	M76A	X	-23.076	-23.076	0	%100
84	M76A	Z	13.323	13.323	0	%100
85	M84A	X	-13.112	-13.112	0	%100
86	M84A	Z	7.57	7.57	0	%100
87	M87	X	-2.129	-2.129	0	%100
88	M87	Z	1.229	1.229	0	%100
89	M89	X	-8.515	-8.515	0	%100
90	M89	Z	4.916	4.916	0	%100
91	M90	X	-2.129	-2.129	0	%100
92	M90	Z	1.229	1.229	0	%100
93	MP2A	X	-8.515	-8.515	0	%100
94	MP2A	Z	4.916	4.916	0	%100
95	MP3A	X	-8.515	-8.515	0	%100
96	MP3A	Z	4.916	4.916	0	%100
97	MP4A	X	-8.515	-8.515	0	%100
98	MP4A	Z	4.916	4.916	0	%100
99	MP1C	X	-8.515	-8.515	0	%100
100	MP1C	Z	4.916	4.916	0	%100
101	MP2C	X	-8.515	-8.515	0	%100
102	MP2C	Z	4.916	4.916	0	%100
103	MP3C	X	-8.515	-8.515	0	%100
104	MP3C	Z	4.916	4.916	0	%100
105	MP4C	X	-8.515	-8.515	0	%100
106	MP4C	Z	4.916	4.916	0	%100
107	MP1B	X	-8.515	-8.515	0	%100
108	MP1B	Z	4.916	4.916	0	%100
109	MP2B	X	-8.515	-8.515	0	%100
110	MP2B	Z	4.916	4.916	0	%100
111	MP3B	X	-8.515	-8.515	0	%100
112	MP3B	Z	4.916	4.916	0	%100
113	MP4B	X	-8.515	-8.515	0	%100
114	MP4B	Z	4.916	4.916	0	%100
115	M130	X	-2.489	-2.489	0	%100
116	M130	Z	1.437	1.437	0	%100
117	M131	X	-9.955	-9.955	0	%100
118	M131	Z	5.747	5.747	0	%100
119	M132	X	-2.489	-2.489	0	%100
120	M132	Z	1.437	1.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-14.784	-14.784	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.832	-9.832	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-10.349	-10.349	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-10.349	-10.349	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-24.838	-24.838	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-18.974	-18.974	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-19.985	-19.985	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-24.838	-24.838	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-18.974	-18.974	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-19.985	-19.985	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-16.152	-16.152	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	-10.566	-10.566	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-10.566	-10.566	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-3.696	-3.696	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-9.34	-9.34	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-9.34	-9.34	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	-18.629	-18.629	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-10.349	-10.349	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-6.21	-6.21	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-18.974	-18.974	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	-19.985	-19.985	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-6.21	-6.21	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	-13.118	-13.118	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	-3.696	-3.696	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-9.34	-9.34	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-9.34	-9.34	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-18.629	-18.629	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-10.349	-10.349	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-6.21	-6.21	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	-6.21	-6.21	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-18.974	-18.974	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	-19.985	-19.985	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-13.118	-13.118	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	-7.374	-7.374	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-7.374	-7.374	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-9.832	-9.832	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-9.832	-9.832	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-9.832	-9.832	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-9.832	-9.832	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-9.832	-9.832	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-9.832	-9.832	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-9.832	-9.832	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-9.832	-9.832	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-9.832	-9.832	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-9.832	-9.832	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-9.832	-9.832	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	-8.621	-8.621	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-8.621	-8.621	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-3.05	-3.05	0	%100
2	M1	Z	-1.761	-1.761	0	%100
3	M4	X	-9.602	-9.602	0	%100
4	M4	Z	-5.544	-5.544	0	%100
5	M10	X	-2.696	-2.696	0	%100
6	M10	Z	-1.557	-1.557	0	%100
7	MP1A	X	-8.515	-8.515	0	%100
8	MP1A	Z	-4.916	-4.916	0	%100
9	M43	X	-2.696	-2.696	0	%100
10	M43	Z	-1.557	-1.557	0	%100
11	M46	X	-5.378	-5.378	0	%100
12	M46	Z	-3.105	-3.105	0	%100
13	M51B	X	-2.988	-2.988	0	%100
14	M51B	Z	-1.725	-1.725	0	%100
15	M52B	X	-11.95	-11.95	0	%100
16	M52B	Z	-6.9	-6.9	0	%100
17	M76	X	-16.133	-16.133	0	%100
18	M76	Z	-9.314	-9.314	0	%100
19	M77	X	-5.477	-5.477	0	%100
20	M77	Z	-3.162	-3.162	0	%100
21	M80	X	-5.769	-5.769	0	%100
22	M80	Z	-3.331	-3.331	0	%100
23	M84	X	-16.133	-16.133	0	%100
24	M84	Z	-9.314	-9.314	0	%100
25	M85	X	-21.909	-21.909	0	%100
26	M85	Z	-12.649	-12.649	0	%100
27	M91	X	-23.076	-23.076	0	%100
28	M91	Z	-13.323	-13.323	0	%100
29	M124	X	-13.112	-13.112	0	%100
30	M124	Z	-7.57	-7.57	0	%100
31	M29	X	-3.05	-3.05	0	%100
32	M29	Z	-1.761	-1.761	0	%100
33	M30B	X	-12.2	-12.2	0	%100
34	M30B	Z	-7.044	-7.044	0	%100
35	M33	X	-9.602	-9.602	0	%100
36	M33	Z	-5.544	-5.544	0	%100
37	M34	X	-2.696	-2.696	0	%100
38	M34	Z	-1.557	-1.557	0	%100
39	M35	X	-2.696	-2.696	0	%100
40	M35	Z	-1.557	-1.557	0	%100
41	M36	X	-5.378	-5.378	0	%100
42	M36	Z	-3.105	-3.105	0	%100
43	M37	X	-11.95	-11.95	0	%100
44	M37	Z	-6.9	-6.9	0	%100
45	M38	X	-2.988	-2.988	0	%100
46	M38	Z	-1.725	-1.725	0	%100
47	M41	X	-16.133	-16.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	-9.314	-9.314	0	%100
49	M42	X	-21.909	-21.909	0	%100
50	M42	Z	-12.649	-12.649	0	%100
51	M44	X	-23.076	-23.076	0	%100
52	M44	Z	-13.323	-13.323	0	%100
53	M46A	X	-16.133	-16.133	0	%100
54	M46A	Z	-9.314	-9.314	0	%100
55	M47	X	-5.477	-5.477	0	%100
56	M47	Z	-3.162	-3.162	0	%100
57	M49	X	-5.769	-5.769	0	%100
58	M49	Z	-3.331	-3.331	0	%100
59	M57	X	-13.112	-13.112	0	%100
60	M57	Z	-7.57	-7.57	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-10.784	-10.784	0	%100
64	M61	Z	-6.226	-6.226	0	%100
65	M62	X	-10.784	-10.784	0	%100
66	M62	Z	-6.226	-6.226	0	%100
67	M63	X	-21.511	-21.511	0	%100
68	M63	Z	-12.419	-12.419	0	%100
69	M64	X	-2.988	-2.988	0	%100
70	M64	Z	-1.725	-1.725	0	%100
71	M65	X	-2.988	-2.988	0	%100
72	M65	Z	-1.725	-1.725	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	-5.477	-5.477	0	%100
76	M69	Z	-3.162	-3.162	0	%100
77	M71	X	-5.769	-5.769	0	%100
78	M71	Z	-3.331	-3.331	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-5.477	-5.477	0	%100
82	M74	Z	-3.162	-3.162	0	%100
83	M76A	X	-5.769	-5.769	0	%100
84	M76A	Z	-3.331	-3.331	0	%100
85	M84A	X	-10.485	-10.485	0	%100
86	M84A	Z	-6.054	-6.054	0	%100
87	M87	X	-2.129	-2.129	0	%100
88	M87	Z	-1.229	-1.229	0	%100
89	M89	X	-2.129	-2.129	0	%100
90	M89	Z	-1.229	-1.229	0	%100
91	M90	X	-8.515	-8.515	0	%100
92	M90	Z	-4.916	-4.916	0	%100
93	MP2A	X	-8.515	-8.515	0	%100
94	MP2A	Z	-4.916	-4.916	0	%100
95	MP3A	X	-8.515	-8.515	0	%100
96	MP3A	Z	-4.916	-4.916	0	%100
97	MP4A	X	-8.515	-8.515	0	%100
98	MP4A	Z	-4.916	-4.916	0	%100
99	MP1C	X	-8.515	-8.515	0	%100
100	MP1C	Z	-4.916	-4.916	0	%100
101	MP2C	X	-8.515	-8.515	0	%100
102	MP2C	Z	-4.916	-4.916	0	%100
103	MP3C	X	-8.515	-8.515	0	%100
104	MP3C	Z	-4.916	-4.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	-8.515	-8.515	0	%100
106	MP4C	Z	-4.916	-4.916	0	%100
107	MP1B	X	-8.515	-8.515	0	%100
108	MP1B	Z	-4.916	-4.916	0	%100
109	MP2B	X	-8.515	-8.515	0	%100
110	MP2B	Z	-4.916	-4.916	0	%100
111	MP3B	X	-8.515	-8.515	0	%100
112	MP3B	Z	-4.916	-4.916	0	%100
113	MP4B	X	-8.515	-8.515	0	%100
114	MP4B	Z	-4.916	-4.916	0	%100
115	M130	X	-2.489	-2.489	0	%100
116	M130	Z	-1.437	-1.437	0	%100
117	M131	X	-2.489	-2.489	0	%100
118	M131	Z	-1.437	-1.437	0	%100
119	M132	X	-9.955	-9.955	0	%100
120	M132	Z	-5.747	-5.747	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-5.283	-5.283	0	%100
2	M1	Z	-9.15	-9.15	0	%100
3	M4	X	-1.848	-1.848	0	%100
4	M4	Z	-3.201	-3.201	0	%100
5	M10	X	-4.67	-4.67	0	%100
6	M10	Z	-8.088	-8.088	0	%100
7	MP1A	X	-4.916	-4.916	0	%100
8	MP1A	Z	-8.515	-8.515	0	%100
9	M43	X	-4.67	-4.67	0	%100
10	M43	Z	-8.088	-8.088	0	%100
11	M46	X	-9.314	-9.314	0	%100
12	M46	Z	-16.133	-16.133	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-5.175	-5.175	0	%100
16	M52B	Z	-8.963	-8.963	0	%100
17	M76	X	-3.105	-3.105	0	%100
18	M76	Z	-5.378	-5.378	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-3.105	-3.105	0	%100
24	M84	Z	-5.378	-5.378	0	%100
25	M85	X	-9.487	-9.487	0	%100
26	M85	Z	-16.432	-16.432	0	%100
27	M91	X	-9.992	-9.992	0	%100
28	M91	Z	-17.307	-17.307	0	%100
29	M124	X	-6.559	-6.559	0	%100
30	M124	Z	-11.361	-11.361	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-5.283	-5.283	0	%100
34	M30B	Z	-9.15	-9.15	0	%100
35	M33	X	-7.392	-7.392	0	%100
36	M33	Z	-12.803	-12.803	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-5.175	-5.175	0	%100
44	M37	Z	-8.963	-8.963	0	%100
45	M38	X	-5.175	-5.175	0	%100
46	M38	Z	-8.963	-8.963	0	%100
47	M41	X	-12.419	-12.419	0	%100
48	M41	Z	-21.511	-21.511	0	%100
49	M42	X	-9.487	-9.487	0	%100
50	M42	Z	-16.432	-16.432	0	%100
51	M44	X	-9.992	-9.992	0	%100
52	M44	Z	-17.307	-17.307	0	%100
53	M46A	X	-12.419	-12.419	0	%100
54	M46A	Z	-21.511	-21.511	0	%100
55	M47	X	-9.487	-9.487	0	%100
56	M47	Z	-16.432	-16.432	0	%100
57	M49	X	-9.992	-9.992	0	%100
58	M49	Z	-17.307	-17.307	0	%100
59	M57	X	-8.076	-8.076	0	%100
60	M57	Z	-13.988	-13.988	0	%100
61	M60	X	-1.848	-1.848	0	%100
62	M60	Z	-3.201	-3.201	0	%100
63	M61	X	-4.67	-4.67	0	%100
64	M61	Z	-8.088	-8.088	0	%100
65	M62	X	-4.67	-4.67	0	%100
66	M62	Z	-8.088	-8.088	0	%100
67	M63	X	-9.314	-9.314	0	%100
68	M63	Z	-16.133	-16.133	0	%100
69	M64	X	-5.175	-5.175	0	%100
70	M64	Z	-8.963	-8.963	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-3.105	-3.105	0	%100
74	M68	Z	-5.378	-5.378	0	%100
75	M69	X	-9.487	-9.487	0	%100
76	M69	Z	-16.432	-16.432	0	%100
77	M71	X	-9.992	-9.992	0	%100
78	M71	Z	-17.307	-17.307	0	%100
79	M73	X	-3.105	-3.105	0	%100
80	M73	Z	-5.378	-5.378	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-6.559	-6.559	0	%100
86	M84A	Z	-11.361	-11.361	0	%100
87	M87	X	-3.687	-3.687	0	%100
88	M87	Z	-6.386	-6.386	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-3.687	-3.687	0	%100
92	M90	Z	-6.386	-6.386	0	%100
93	MP2A	X	-4.916	-4.916	0	%100
94	MP2A	Z	-8.515	-8.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	-4.916	-4.916	0	%100
96	MP3A	Z	-8.515	-8.515	0	%100
97	MP4A	X	-4.916	-4.916	0	%100
98	MP4A	Z	-8.515	-8.515	0	%100
99	MP1C	X	-4.916	-4.916	0	%100
100	MP1C	Z	-8.515	-8.515	0	%100
101	MP2C	X	-4.916	-4.916	0	%100
102	MP2C	Z	-8.515	-8.515	0	%100
103	MP3C	X	-4.916	-4.916	0	%100
104	MP3C	Z	-8.515	-8.515	0	%100
105	MP4C	X	-4.916	-4.916	0	%100
106	MP4C	Z	-8.515	-8.515	0	%100
107	MP1B	X	-4.916	-4.916	0	%100
108	MP1B	Z	-8.515	-8.515	0	%100
109	MP2B	X	-4.916	-4.916	0	%100
110	MP2B	Z	-8.515	-8.515	0	%100
111	MP3B	X	-4.916	-4.916	0	%100
112	MP3B	Z	-8.515	-8.515	0	%100
113	MP4B	X	-4.916	-4.916	0	%100
114	MP4B	Z	-8.515	-8.515	0	%100
115	M130	X	-4.31	-4.31	0	%100
116	M130	Z	-7.466	-7.466	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-4.31	-4.31	0	%100
120	M132	Z	-7.466	-7.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	-3.576	-3.576	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.935	-2.935	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-2.887	-2.887	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-2.935	-2.935	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-4.584	-4.584	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-.848	-.848	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-.848	-.848	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-1.144	-1.144	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-1.194	-1.194	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-1.144	-1.144	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	-1.194	-1.194	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	-2.389	-2.389	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	-.894	-.894	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	-.894	-.894	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-2.715	-2.715	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-.734	-.734	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-.734	-.734	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-1.146	-1.146	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-.848	-.848	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	-3.391	-3.391	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-3.382	-3.382	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-1.144	-1.144	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-1.194	-1.194	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	-3.382	-3.382	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	-4.578	-4.578	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-4.777	-4.777	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-3.417	-3.417	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-2.715	-2.715	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.734	-.734	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-.734	-.734	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	-1.146	-1.146	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-3.391	-3.391	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-.848	-.848	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-3.382	-3.382	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	-4.578	-4.578	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	-4.777	-4.777	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-3.382	-3.382	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-1.144	-1.144	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	-1.194	-1.194	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	-3.417	-3.417	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-2.887	-2.887	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	-.722	-.722	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	-.722	-.722	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-2.887	-2.887	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-2.887	-2.887	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-2.887	-2.887	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-2.887	-2.887	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-2.887	-2.887	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-2.887	-2.887	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-2.887	-2.887	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-2.887	-2.887	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-2.887	-2.887	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-2.887	-2.887	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-2.887	-2.887	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-2.625	-2.625	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	-.656	-.656	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-.656	-.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	1.341	1.341	0	%100
2	M1	Z	-2.323	-2.323	0	%100
3	M4	X	.452	.452	0	%100
4	M4	Z	-.784	-.784	0	%100
5	M10	X	1.1	1.1	0	%100
6	M10	Z	-1.906	-1.906	0	%100
7	MP1A	X	1.443	1.443	0	%100
8	MP1A	Z	-2.5	-2.5	0	%100
9	M43	X	1.1	1.1	0	%100
10	M43	Z	-1.906	-1.906	0	%100
11	M46	X	1.719	1.719	0	%100
12	M46	Z	-2.977	-2.977	0	%100
13	M51B	X	1.272	1.272	0	%100
14	M51B	Z	-2.202	-2.202	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.564	.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	-.976	-.976	0	%100
19	M77	X	1.717	1.717	0	%100
20	M77	Z	-2.973	-2.973	0	%100
21	M80	X	1.792	1.792	0	%100
22	M80	Z	-3.103	-3.103	0	%100
23	M84	X	.564	.564	0	%100
24	M84	Z	-.976	-.976	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	1.366	1.366	0	%100
30	M124	Z	-2.366	-2.366	0	%100
31	M29	X	1.341	1.341	0	%100
32	M29	Z	-2.323	-2.323	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	.452	.452	0	%100
36	M33	Z	-.784	-.784	0	%100
37	M34	X	1.1	1.1	0	%100
38	M34	Z	-1.906	-1.906	0	%100
39	M35	X	1.1	1.1	0	%100
40	M35	Z	-1.906	-1.906	0	%100
41	M36	X	1.719	1.719	0	%100
42	M36	Z	-2.977	-2.977	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	1.272	1.272	0	%100
46	M38	Z	-2.202	-2.202	0	%100
47	M41	X	.564	.564	0	%100
48	M41	Z	-.976	-.976	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	.564	.564	0	%100
54	M46A	Z	-.976	-.976	0	%100
55	M47	X	1.717	1.717	0	%100
56	M47	Z	-2.973	-2.973	0	%100
57	M49	X	1.792	1.792	0	%100
58	M49	Z	-3.103	-3.103	0	%100
59	M57	X	1.366	1.366	0	%100
60	M57	Z	-2.366	-2.366	0	%100
61	M60	X	1.81	1.81	0	%100
62	M60	Z	-3.134	-3.134	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	1.272	1.272	0	%100
70	M64	Z	-2.202	-2.202	0	%100
71	M65	X	1.272	1.272	0	%100
72	M65	Z	-2.202	-2.202	0	%100
73	M68	X	2.255	2.255	0	%100
74	M68	Z	-3.906	-3.906	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	1.717	1.717	0	%100
76	M69	Z	-2.973	-2.973	0	%100
77	M71	X	1.792	1.792	0	%100
78	M71	Z	-3.103	-3.103	0	%100
79	M73	X	2.255	2.255	0	%100
80	M73	Z	-3.906	-3.906	0	%100
81	M74	X	1.717	1.717	0	%100
82	M74	Z	-2.973	-2.973	0	%100
83	M76A	X	1.792	1.792	0	%100
84	M76A	Z	-3.103	-3.103	0	%100
85	M84A	X	1.88	1.88	0	%100
86	M84A	Z	-3.256	-3.256	0	%100
87	M87	X	1.083	1.083	0	%100
88	M87	Z	-1.875	-1.875	0	%100
89	M89	X	1.083	1.083	0	%100
90	M89	Z	-1.875	-1.875	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	1.443	1.443	0	%100
94	MP2A	Z	-2.5	-2.5	0	%100
95	MP3A	X	1.443	1.443	0	%100
96	MP3A	Z	-2.5	-2.5	0	%100
97	MP4A	X	1.443	1.443	0	%100
98	MP4A	Z	-2.5	-2.5	0	%100
99	MP1C	X	1.443	1.443	0	%100
100	MP1C	Z	-2.5	-2.5	0	%100
101	MP2C	X	1.443	1.443	0	%100
102	MP2C	Z	-2.5	-2.5	0	%100
103	MP3C	X	1.443	1.443	0	%100
104	MP3C	Z	-2.5	-2.5	0	%100
105	MP4C	X	1.443	1.443	0	%100
106	MP4C	Z	-2.5	-2.5	0	%100
107	MP1B	X	1.443	1.443	0	%100
108	MP1B	Z	-2.5	-2.5	0	%100
109	MP2B	X	1.443	1.443	0	%100
110	MP2B	Z	-2.5	-2.5	0	%100
111	MP3B	X	1.443	1.443	0	%100
112	MP3B	Z	-2.5	-2.5	0	%100
113	MP4B	X	1.443	1.443	0	%100
114	MP4B	Z	-2.5	-2.5	0	%100
115	M130	X	.984	.984	0	%100
116	M130	Z	-1.705	-1.705	0	%100
117	M131	X	.984	.984	0	%100
118	M131	Z	-1.705	-1.705	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.774	.774	0	%100
2	M1	Z	-.447	-.447	0	%100
3	M4	X	2.351	2.351	0	%100
4	M4	Z	-1.357	-1.357	0	%100
5	M10	X	.635	.635	0	%100
6	M10	Z	-.367	-.367	0	%100
7	MP1A	X	2.5	2.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	-1.443	-1.443	0	%100
9	M43	X	.635	.635	0	%100
10	M43	Z	-.367	-.367	0	%100
11	M46	X	.992	.992	0	%100
12	M46	Z	-.573	-.573	0	%100
13	M51B	X	2.937	2.937	0	%100
14	M51B	Z	-1.695	-1.695	0	%100
15	M52B	X	.734	.734	0	%100
16	M52B	Z	-.424	-.424	0	%100
17	M76	X	2.929	2.929	0	%100
18	M76	Z	-1.691	-1.691	0	%100
19	M77	X	3.965	3.965	0	%100
20	M77	Z	-2.289	-2.289	0	%100
21	M80	X	4.137	4.137	0	%100
22	M80	Z	-2.389	-2.389	0	%100
23	M84	X	2.929	2.929	0	%100
24	M84	Z	-1.691	-1.691	0	%100
25	M85	X	.991	.991	0	%100
26	M85	Z	-.572	-.572	0	%100
27	M91	X	1.034	1.034	0	%100
28	M91	Z	-.597	-.597	0	%100
29	M124	X	2.959	2.959	0	%100
30	M124	Z	-1.708	-1.708	0	%100
31	M29	X	3.097	3.097	0	%100
32	M29	Z	-1.788	-1.788	0	%100
33	M30B	X	.774	.774	0	%100
34	M30B	Z	-.447	-.447	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	2.541	2.541	0	%100
38	M34	Z	-1.467	-1.467	0	%100
39	M35	X	2.541	2.541	0	%100
40	M35	Z	-1.467	-1.467	0	%100
41	M36	X	3.97	3.97	0	%100
42	M36	Z	-2.292	-2.292	0	%100
43	M37	X	.734	.734	0	%100
44	M37	Z	-.424	-.424	0	%100
45	M38	X	.734	.734	0	%100
46	M38	Z	-.424	-.424	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	.991	.991	0	%100
50	M42	Z	-.572	-.572	0	%100
51	M44	X	1.034	1.034	0	%100
52	M44	Z	-.597	-.597	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	.991	.991	0	%100
56	M47	Z	-.572	-.572	0	%100
57	M49	X	1.034	1.034	0	%100
58	M49	Z	-.597	-.597	0	%100
59	M57	X	2.069	2.069	0	%100
60	M57	Z	-1.195	-1.195	0	%100
61	M60	X	2.351	2.351	0	%100
62	M60	Z	-1.357	-1.357	0	%100
63	M61	X	.635	.635	0	%100
64	M61	Z	-.367	-.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	.635	.635	0	%100
66	M62	Z	-.367	-.367	0	%100
67	M63	X	.992	.992	0	%100
68	M63	Z	-.573	-.573	0	%100
69	M64	X	.734	.734	0	%100
70	M64	Z	-.424	-.424	0	%100
71	M65	X	2.937	2.937	0	%100
72	M65	Z	-1.695	-1.695	0	%100
73	M68	X	2.929	2.929	0	%100
74	M68	Z	-1.691	-1.691	0	%100
75	M69	X	.991	.991	0	%100
76	M69	Z	-.572	-.572	0	%100
77	M71	X	1.034	1.034	0	%100
78	M71	Z	-.597	-.597	0	%100
79	M73	X	2.929	2.929	0	%100
80	M73	Z	-1.691	-1.691	0	%100
81	M74	X	3.965	3.965	0	%100
82	M74	Z	-2.289	-2.289	0	%100
83	M76A	X	4.137	4.137	0	%100
84	M76A	Z	-2.389	-2.389	0	%100
85	M84A	X	2.959	2.959	0	%100
86	M84A	Z	-1.708	-1.708	0	%100
87	M87	X	.625	.625	0	%100
88	M87	Z	-.361	-.361	0	%100
89	M89	X	2.5	2.5	0	%100
90	M89	Z	-1.443	-1.443	0	%100
91	M90	X	.625	.625	0	%100
92	M90	Z	-.361	-.361	0	%100
93	MP2A	X	2.5	2.5	0	%100
94	MP2A	Z	-1.443	-1.443	0	%100
95	MP3A	X	2.5	2.5	0	%100
96	MP3A	Z	-1.443	-1.443	0	%100
97	MP4A	X	2.5	2.5	0	%100
98	MP4A	Z	-1.443	-1.443	0	%100
99	MP1C	X	2.5	2.5	0	%100
100	MP1C	Z	-1.443	-1.443	0	%100
101	MP2C	X	2.5	2.5	0	%100
102	MP2C	Z	-1.443	-1.443	0	%100
103	MP3C	X	2.5	2.5	0	%100
104	MP3C	Z	-1.443	-1.443	0	%100
105	MP4C	X	2.5	2.5	0	%100
106	MP4C	Z	-1.443	-1.443	0	%100
107	MP1B	X	2.5	2.5	0	%100
108	MP1B	Z	-1.443	-1.443	0	%100
109	MP2B	X	2.5	2.5	0	%100
110	MP2B	Z	-1.443	-1.443	0	%100
111	MP3B	X	2.5	2.5	0	%100
112	MP3B	Z	-1.443	-1.443	0	%100
113	MP4B	X	2.5	2.5	0	%100
114	MP4B	Z	-1.443	-1.443	0	%100
115	M130	X	.568	.568	0	%100
116	M130	Z	-.328	-.328	0	%100
117	M131	X	2.274	2.274	0	%100
118	M131	Z	-1.313	-1.313	0	%100
119	M132	X	.568	.568	0	%100
120	M132	Z	-.328	-.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.619	3.619	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	2.887	2.887	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	2.543	2.543	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	2.543	2.543	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	4.51	4.51	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	3.433	3.433	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	3.583	3.583	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	4.51	4.51	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	3.433	3.433	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	3.583	3.583	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	3.759	3.759	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	2.682	2.682	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	2.682	2.682	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	.905	.905	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	2.201	2.201	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	2.201	2.201	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	3.438	3.438	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	2.543	2.543	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	1.127	1.127	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	3.433	3.433	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	3.583	3.583	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	1.127	1.127	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	2.732	2.732	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	.905	.905	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	2.201	2.201	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	2.201	2.201	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	3.438	3.438	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	2.543	2.543	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	1.127	1.127	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	1.127	1.127	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	3.433	3.433	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	3.583	3.583	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	2.732	2.732	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	2.165	2.165	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	2.165	2.165	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	2.887	2.887	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	2.887	2.887	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	2.887	2.887	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	2.887	2.887	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	2.887	2.887	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	2.887	2.887	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	2.887	2.887	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	2.887	2.887	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	2.887	2.887	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	2.887	2.887	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	2.887	2.887	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	1.969	1.969	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	1.969	1.969	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.774	.774	0	%100
2	M1	Z	.447	.447	0	%100
3	M4	X	2.351	2.351	0	%100
4	M4	Z	1.357	1.357	0	%100
5	M10	X	.635	.635	0	%100
6	M10	Z	.367	.367	0	%100
7	MP1A	X	2.5	2.5	0	%100
8	MP1A	Z	1.443	1.443	0	%100
9	M43	X	.635	.635	0	%100
10	M43	Z	.367	.367	0	%100
11	M46	X	.992	.992	0	%100
12	M46	Z	.573	.573	0	%100
13	M51B	X	.734	.734	0	%100
14	M51B	Z	.424	.424	0	%100
15	M52B	X	2.937	2.937	0	%100
16	M52B	Z	1.695	1.695	0	%100
17	M76	X	2.929	2.929	0	%100
18	M76	Z	1.691	1.691	0	%100
19	M77	X	.991	.991	0	%100
20	M77	Z	.572	.572	0	%100
21	M80	X	1.034	1.034	0	%100
22	M80	Z	.597	.597	0	%100
23	M84	X	2.929	2.929	0	%100
24	M84	Z	1.691	1.691	0	%100
25	M85	X	3.965	3.965	0	%100
26	M85	Z	2.289	2.289	0	%100
27	M91	X	4.137	4.137	0	%100
28	M91	Z	2.389	2.389	0	%100
29	M124	X	2.959	2.959	0	%100
30	M124	Z	1.708	1.708	0	%100
31	M29	X	.774	.774	0	%100
32	M29	Z	.447	.447	0	%100
33	M30B	X	3.097	3.097	0	%100
34	M30B	Z	1.788	1.788	0	%100
35	M33	X	2.351	2.351	0	%100
36	M33	Z	1.357	1.357	0	%100
37	M34	X	.635	.635	0	%100
38	M34	Z	.367	.367	0	%100
39	M35	X	.635	.635	0	%100
40	M35	Z	.367	.367	0	%100
41	M36	X	.992	.992	0	%100
42	M36	Z	.573	.573	0	%100
43	M37	X	2.937	2.937	0	%100
44	M37	Z	1.695	1.695	0	%100
45	M38	X	.734	.734	0	%100
46	M38	Z	.424	.424	0	%100
47	M41	X	2.929	2.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	1.691	1.691	0	%100
49	M42	X	3.965	3.965	0	%100
50	M42	Z	2.289	2.289	0	%100
51	M44	X	4.137	4.137	0	%100
52	M44	Z	2.389	2.389	0	%100
53	M46A	X	2.929	2.929	0	%100
54	M46A	Z	1.691	1.691	0	%100
55	M47	X	.991	.991	0	%100
56	M47	Z	.572	.572	0	%100
57	M49	X	1.034	1.034	0	%100
58	M49	Z	.597	.597	0	%100
59	M57	X	2.959	2.959	0	%100
60	M57	Z	1.708	1.708	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	2.541	2.541	0	%100
64	M61	Z	1.467	1.467	0	%100
65	M62	X	2.541	2.541	0	%100
66	M62	Z	1.467	1.467	0	%100
67	M63	X	3.97	3.97	0	%100
68	M63	Z	2.292	2.292	0	%100
69	M64	X	.734	.734	0	%100
70	M64	Z	.424	.424	0	%100
71	M65	X	.734	.734	0	%100
72	M65	Z	.424	.424	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	.991	.991	0	%100
76	M69	Z	.572	.572	0	%100
77	M71	X	1.034	1.034	0	%100
78	M71	Z	.597	.597	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	.991	.991	0	%100
82	M74	Z	.572	.572	0	%100
83	M76A	X	1.034	1.034	0	%100
84	M76A	Z	.597	.597	0	%100
85	M84A	X	2.069	2.069	0	%100
86	M84A	Z	1.195	1.195	0	%100
87	M87	X	.625	.625	0	%100
88	M87	Z	.361	.361	0	%100
89	M89	X	.625	.625	0	%100
90	M89	Z	.361	.361	0	%100
91	M90	X	2.5	2.5	0	%100
92	M90	Z	1.443	1.443	0	%100
93	MP2A	X	2.5	2.5	0	%100
94	MP2A	Z	1.443	1.443	0	%100
95	MP3A	X	2.5	2.5	0	%100
96	MP3A	Z	1.443	1.443	0	%100
97	MP4A	X	2.5	2.5	0	%100
98	MP4A	Z	1.443	1.443	0	%100
99	MP1C	X	2.5	2.5	0	%100
100	MP1C	Z	1.443	1.443	0	%100
101	MP2C	X	2.5	2.5	0	%100
102	MP2C	Z	1.443	1.443	0	%100
103	MP3C	X	2.5	2.5	0	%100
104	MP3C	Z	1.443	1.443	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	2.5	2.5	0	%100
106	MP4C	Z	1.443	1.443	0	%100
107	MP1B	X	2.5	2.5	0	%100
108	MP1B	Z	1.443	1.443	0	%100
109	MP2B	X	2.5	2.5	0	%100
110	MP2B	Z	1.443	1.443	0	%100
111	MP3B	X	2.5	2.5	0	%100
112	MP3B	Z	1.443	1.443	0	%100
113	MP4B	X	2.5	2.5	0	%100
114	MP4B	Z	1.443	1.443	0	%100
115	M130	X	.568	.568	0	%100
116	M130	Z	.328	.328	0	%100
117	M131	X	.568	.568	0	%100
118	M131	Z	.328	.328	0	%100
119	M132	X	2.274	2.274	0	%100
120	M132	Z	1.313	1.313	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	1.341	1.341	0	%100
2	M1	Z	2.323	2.323	0	%100
3	M4	X	.452	.452	0	%100
4	M4	Z	.784	.784	0	%100
5	M10	X	1.1	1.1	0	%100
6	M10	Z	1.906	1.906	0	%100
7	MP1A	X	1.443	1.443	0	%100
8	MP1A	Z	2.5	2.5	0	%100
9	M43	X	1.1	1.1	0	%100
10	M43	Z	1.906	1.906	0	%100
11	M46	X	1.719	1.719	0	%100
12	M46	Z	2.977	2.977	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	1.272	1.272	0	%100
16	M52B	Z	2.202	2.202	0	%100
17	M76	X	.564	.564	0	%100
18	M76	Z	.976	.976	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.564	.564	0	%100
24	M84	Z	.976	.976	0	%100
25	M85	X	1.717	1.717	0	%100
26	M85	Z	2.973	2.973	0	%100
27	M91	X	1.792	1.792	0	%100
28	M91	Z	3.103	3.103	0	%100
29	M124	X	1.366	1.366	0	%100
30	M124	Z	2.366	2.366	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	1.341	1.341	0	%100
34	M30B	Z	2.323	2.323	0	%100
35	M33	X	1.81	1.81	0	%100
36	M33	Z	3.134	3.134	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	1.272	1.272	0	%100
44	M37	Z	2.202	2.202	0	%100
45	M38	X	1.272	1.272	0	%100
46	M38	Z	2.202	2.202	0	%100
47	M41	X	2.255	2.255	0	%100
48	M41	Z	3.906	3.906	0	%100
49	M42	X	1.717	1.717	0	%100
50	M42	Z	2.973	2.973	0	%100
51	M44	X	1.792	1.792	0	%100
52	M44	Z	3.103	3.103	0	%100
53	M46A	X	2.255	2.255	0	%100
54	M46A	Z	3.906	3.906	0	%100
55	M47	X	1.717	1.717	0	%100
56	M47	Z	2.973	2.973	0	%100
57	M49	X	1.792	1.792	0	%100
58	M49	Z	3.103	3.103	0	%100
59	M57	X	1.88	1.88	0	%100
60	M57	Z	3.256	3.256	0	%100
61	M60	X	.452	.452	0	%100
62	M60	Z	.784	.784	0	%100
63	M61	X	1.1	1.1	0	%100
64	M61	Z	1.906	1.906	0	%100
65	M62	X	1.1	1.1	0	%100
66	M62	Z	1.906	1.906	0	%100
67	M63	X	1.719	1.719	0	%100
68	M63	Z	2.977	2.977	0	%100
69	M64	X	1.272	1.272	0	%100
70	M64	Z	2.202	2.202	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	.564	.564	0	%100
74	M68	Z	.976	.976	0	%100
75	M69	X	1.717	1.717	0	%100
76	M69	Z	2.973	2.973	0	%100
77	M71	X	1.792	1.792	0	%100
78	M71	Z	3.103	3.103	0	%100
79	M73	X	.564	.564	0	%100
80	M73	Z	.976	.976	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	1.366	1.366	0	%100
86	M84A	Z	2.366	2.366	0	%100
87	M87	X	1.083	1.083	0	%100
88	M87	Z	1.875	1.875	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	1.083	1.083	0	%100
92	M90	Z	1.875	1.875	0	%100
93	MP2A	X	1.443	1.443	0	%100
94	MP2A	Z	2.5	2.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	1.443	1.443	0	%100
96	MP3A	Z	2.5	2.5	0	%100
97	MP4A	X	1.443	1.443	0	%100
98	MP4A	Z	2.5	2.5	0	%100
99	MP1C	X	1.443	1.443	0	%100
100	MP1C	Z	2.5	2.5	0	%100
101	MP2C	X	1.443	1.443	0	%100
102	MP2C	Z	2.5	2.5	0	%100
103	MP3C	X	1.443	1.443	0	%100
104	MP3C	Z	2.5	2.5	0	%100
105	MP4C	X	1.443	1.443	0	%100
106	MP4C	Z	2.5	2.5	0	%100
107	MP1B	X	1.443	1.443	0	%100
108	MP1B	Z	2.5	2.5	0	%100
109	MP2B	X	1.443	1.443	0	%100
110	MP2B	Z	2.5	2.5	0	%100
111	MP3B	X	1.443	1.443	0	%100
112	MP3B	Z	2.5	2.5	0	%100
113	MP4B	X	1.443	1.443	0	%100
114	MP4B	Z	2.5	2.5	0	%100
115	M130	X	.984	.984	0	%100
116	M130	Z	1.705	1.705	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	.984	.984	0	%100
120	M132	Z	1.705	1.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	3.576	3.576	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.935	2.935	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	2.887	2.887	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	2.935	2.935	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	4.584	4.584	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.848	.848	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.848	.848	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.144	1.144	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	1.194	1.194	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.144	1.144	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	1.194	1.194	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	2.389	2.389	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	.894	.894	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	.894	.894	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	2.715	2.715	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	.734	.734	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	.734	.734	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	1.146	1.146	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	.848	.848	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	3.391	3.391	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	3.382	3.382	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	1.144	1.144	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	1.194	1.194	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	3.382	3.382	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	4.578	4.578	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	4.777	4.777	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	3.417	3.417	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	2.715	2.715	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.734	.734	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	.734	.734	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	1.146	1.146	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	3.391	3.391	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	.848	.848	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	3.382	3.382	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	4.578	4.578	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	4.777	4.777	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	3.382	3.382	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	1.144	1.144	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	1.194	1.194	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	3.417	3.417	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	2.887	2.887	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	.722	.722	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	.722	.722	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	2.887	2.887	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	2.887	2.887	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	2.887	2.887	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	2.887	2.887	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	2.887	2.887	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	2.887	2.887	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	2.887	2.887	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	2.887	2.887	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	2.887	2.887	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	2.887	2.887	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	2.887	2.887	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	2.625	2.625	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	.656	.656	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	.656	.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-1.341	-1.341	0	%100
2	M1	Z	2.323	2.323	0	%100
3	M4	X	-.452	-.452	0	%100
4	M4	Z	.784	.784	0	%100
5	M10	X	-1.1	-1.1	0	%100
6	M10	Z	1.906	1.906	0	%100
7	MP1A	X	-1.443	-1.443	0	%100
8	MP1A	Z	2.5	2.5	0	%100
9	M43	X	-1.1	-1.1	0	%100
10	M43	Z	1.906	1.906	0	%100
11	M46	X	-1.719	-1.719	0	%100
12	M46	Z	2.977	2.977	0	%100
13	M51B	X	-1.272	-1.272	0	%100
14	M51B	Z	2.202	2.202	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.564	-.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	.976	.976	0	%100
19	M77	X	-1.717	-1.717	0	%100
20	M77	Z	2.973	2.973	0	%100
21	M80	X	-1.792	-1.792	0	%100
22	M80	Z	3.103	3.103	0	%100
23	M84	X	-.564	-.564	0	%100
24	M84	Z	.976	.976	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-1.366	-1.366	0	%100
30	M124	Z	2.366	2.366	0	%100
31	M29	X	-1.341	-1.341	0	%100
32	M29	Z	2.323	2.323	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-.452	-.452	0	%100
36	M33	Z	.784	.784	0	%100
37	M34	X	-1.1	-1.1	0	%100
38	M34	Z	1.906	1.906	0	%100
39	M35	X	-1.1	-1.1	0	%100
40	M35	Z	1.906	1.906	0	%100
41	M36	X	-1.719	-1.719	0	%100
42	M36	Z	2.977	2.977	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-1.272	-1.272	0	%100
46	M38	Z	2.202	2.202	0	%100
47	M41	X	-.564	-.564	0	%100
48	M41	Z	.976	.976	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-.564	-.564	0	%100
54	M46A	Z	.976	.976	0	%100
55	M47	X	-1.717	-1.717	0	%100
56	M47	Z	2.973	2.973	0	%100
57	M49	X	-1.792	-1.792	0	%100
58	M49	Z	3.103	3.103	0	%100
59	M57	X	-1.366	-1.366	0	%100
60	M57	Z	2.366	2.366	0	%100
61	M60	X	-1.81	-1.81	0	%100
62	M60	Z	3.134	3.134	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-1.272	-1.272	0	%100
70	M64	Z	2.202	2.202	0	%100
71	M65	X	-1.272	-1.272	0	%100
72	M65	Z	2.202	2.202	0	%100
73	M68	X	-2.255	-2.255	0	%100
74	M68	Z	3.906	3.906	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	-1.717	-1.717	0	%100
76	M69	Z	2.973	2.973	0	%100
77	M71	X	-1.792	-1.792	0	%100
78	M71	Z	3.103	3.103	0	%100
79	M73	X	-2.255	-2.255	0	%100
80	M73	Z	3.906	3.906	0	%100
81	M74	X	-1.717	-1.717	0	%100
82	M74	Z	2.973	2.973	0	%100
83	M76A	X	-1.792	-1.792	0	%100
84	M76A	Z	3.103	3.103	0	%100
85	M84A	X	-1.88	-1.88	0	%100
86	M84A	Z	3.256	3.256	0	%100
87	M87	X	-1.083	-1.083	0	%100
88	M87	Z	1.875	1.875	0	%100
89	M89	X	-1.083	-1.083	0	%100
90	M89	Z	1.875	1.875	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-1.443	-1.443	0	%100
94	MP2A	Z	2.5	2.5	0	%100
95	MP3A	X	-1.443	-1.443	0	%100
96	MP3A	Z	2.5	2.5	0	%100
97	MP4A	X	-1.443	-1.443	0	%100
98	MP4A	Z	2.5	2.5	0	%100
99	MP1C	X	-1.443	-1.443	0	%100
100	MP1C	Z	2.5	2.5	0	%100
101	MP2C	X	-1.443	-1.443	0	%100
102	MP2C	Z	2.5	2.5	0	%100
103	MP3C	X	-1.443	-1.443	0	%100
104	MP3C	Z	2.5	2.5	0	%100
105	MP4C	X	-1.443	-1.443	0	%100
106	MP4C	Z	2.5	2.5	0	%100
107	MP1B	X	-1.443	-1.443	0	%100
108	MP1B	Z	2.5	2.5	0	%100
109	MP2B	X	-1.443	-1.443	0	%100
110	MP2B	Z	2.5	2.5	0	%100
111	MP3B	X	-1.443	-1.443	0	%100
112	MP3B	Z	2.5	2.5	0	%100
113	MP4B	X	-1.443	-1.443	0	%100
114	MP4B	Z	2.5	2.5	0	%100
115	M130	X	-.984	-.984	0	%100
116	M130	Z	1.705	1.705	0	%100
117	M131	X	-.984	-.984	0	%100
118	M131	Z	1.705	1.705	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.774	-.774	0	%100
2	M1	Z	.447	.447	0	%100
3	M4	X	-2.351	-2.351	0	%100
4	M4	Z	1.357	1.357	0	%100
5	M10	X	-.635	-.635	0	%100
6	M10	Z	.367	.367	0	%100
7	MP1A	X	-2.5	-2.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	1.443	1.443	0	%100
9	M43	X	-.635	-.635	0	%100
10	M43	Z	.367	.367	0	%100
11	M46	X	-.992	-.992	0	%100
12	M46	Z	.573	.573	0	%100
13	M51B	X	-2.937	-2.937	0	%100
14	M51B	Z	1.695	1.695	0	%100
15	M52B	X	-.734	-.734	0	%100
16	M52B	Z	.424	.424	0	%100
17	M76	X	-2.929	-2.929	0	%100
18	M76	Z	1.691	1.691	0	%100
19	M77	X	-3.965	-3.965	0	%100
20	M77	Z	2.289	2.289	0	%100
21	M80	X	-4.137	-4.137	0	%100
22	M80	Z	2.389	2.389	0	%100
23	M84	X	-2.929	-2.929	0	%100
24	M84	Z	1.691	1.691	0	%100
25	M85	X	-.991	-.991	0	%100
26	M85	Z	.572	.572	0	%100
27	M91	X	-1.034	-1.034	0	%100
28	M91	Z	.597	.597	0	%100
29	M124	X	-2.959	-2.959	0	%100
30	M124	Z	1.708	1.708	0	%100
31	M29	X	-3.097	-3.097	0	%100
32	M29	Z	1.788	1.788	0	%100
33	M30B	X	-.774	-.774	0	%100
34	M30B	Z	.447	.447	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-2.541	-2.541	0	%100
38	M34	Z	1.467	1.467	0	%100
39	M35	X	-2.541	-2.541	0	%100
40	M35	Z	1.467	1.467	0	%100
41	M36	X	-3.97	-3.97	0	%100
42	M36	Z	2.292	2.292	0	%100
43	M37	X	-.734	-.734	0	%100
44	M37	Z	.424	.424	0	%100
45	M38	X	-.734	-.734	0	%100
46	M38	Z	.424	.424	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-.991	-.991	0	%100
50	M42	Z	.572	.572	0	%100
51	M44	X	-1.034	-1.034	0	%100
52	M44	Z	.597	.597	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	-.991	-.991	0	%100
56	M47	Z	.572	.572	0	%100
57	M49	X	-1.034	-1.034	0	%100
58	M49	Z	.597	.597	0	%100
59	M57	X	-2.069	-2.069	0	%100
60	M57	Z	1.195	1.195	0	%100
61	M60	X	-2.351	-2.351	0	%100
62	M60	Z	1.357	1.357	0	%100
63	M61	X	-.635	-.635	0	%100
64	M61	Z	.367	.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	-.635	-.635	0	%100
66	M62	Z	.367	.367	0	%100
67	M63	X	-.992	-.992	0	%100
68	M63	Z	.573	.573	0	%100
69	M64	X	-.734	-.734	0	%100
70	M64	Z	.424	.424	0	%100
71	M65	X	-2.937	-2.937	0	%100
72	M65	Z	1.695	1.695	0	%100
73	M68	X	-2.929	-2.929	0	%100
74	M68	Z	1.691	1.691	0	%100
75	M69	X	-.991	-.991	0	%100
76	M69	Z	.572	.572	0	%100
77	M71	X	-1.034	-1.034	0	%100
78	M71	Z	.597	.597	0	%100
79	M73	X	-2.929	-2.929	0	%100
80	M73	Z	1.691	1.691	0	%100
81	M74	X	-3.965	-3.965	0	%100
82	M74	Z	2.289	2.289	0	%100
83	M76A	X	-4.137	-4.137	0	%100
84	M76A	Z	2.389	2.389	0	%100
85	M84A	X	-2.959	-2.959	0	%100
86	M84A	Z	1.708	1.708	0	%100
87	M87	X	-.625	-.625	0	%100
88	M87	Z	.361	.361	0	%100
89	M89	X	-2.5	-2.5	0	%100
90	M89	Z	1.443	1.443	0	%100
91	M90	X	-.625	-.625	0	%100
92	M90	Z	.361	.361	0	%100
93	MP2A	X	-2.5	-2.5	0	%100
94	MP2A	Z	1.443	1.443	0	%100
95	MP3A	X	-2.5	-2.5	0	%100
96	MP3A	Z	1.443	1.443	0	%100
97	MP4A	X	-2.5	-2.5	0	%100
98	MP4A	Z	1.443	1.443	0	%100
99	MP1C	X	-2.5	-2.5	0	%100
100	MP1C	Z	1.443	1.443	0	%100
101	MP2C	X	-2.5	-2.5	0	%100
102	MP2C	Z	1.443	1.443	0	%100
103	MP3C	X	-2.5	-2.5	0	%100
104	MP3C	Z	1.443	1.443	0	%100
105	MP4C	X	-2.5	-2.5	0	%100
106	MP4C	Z	1.443	1.443	0	%100
107	MP1B	X	-2.5	-2.5	0	%100
108	MP1B	Z	1.443	1.443	0	%100
109	MP2B	X	-2.5	-2.5	0	%100
110	MP2B	Z	1.443	1.443	0	%100
111	MP3B	X	-2.5	-2.5	0	%100
112	MP3B	Z	1.443	1.443	0	%100
113	MP4B	X	-2.5	-2.5	0	%100
114	MP4B	Z	1.443	1.443	0	%100
115	M130	X	-.568	-.568	0	%100
116	M130	Z	.328	.328	0	%100
117	M131	X	-2.274	-2.274	0	%100
118	M131	Z	1.313	1.313	0	%100
119	M132	X	-.568	-.568	0	%100
120	M132	Z	.328	.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.619	-3.619	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-2.887	-2.887	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-2.543	-2.543	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-2.543	-2.543	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-4.51	-4.51	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-3.433	-3.433	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-3.583	-3.583	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-4.51	-4.51	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-3.433	-3.433	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-3.583	-3.583	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-3.759	-3.759	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	-2.682	-2.682	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-2.682	-2.682	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-.905	-.905	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-2.201	-2.201	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-2.201	-2.201	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	-3.438	-3.438	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-2.543	-2.543	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-1.127	-1.127	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-3.433	-3.433	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	-3.583	-3.583	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-1.127	-1.127	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	-2.732	-2.732	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	-.905	-.905	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-2.201	-2.201	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-2.201	-2.201	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-3.438	-3.438	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-2.543	-2.543	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-1.127	-1.127	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	-1.127	-1.127	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-3.433	-3.433	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	-3.583	-3.583	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-2.732	-2.732	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	-2.165	-2.165	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-2.165	-2.165	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-2.887	-2.887	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-2.887	-2.887	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-2.887	-2.887	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-2.887	-2.887	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-2.887	-2.887	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-2.887	-2.887	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-2.887	-2.887	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-2.887	-2.887	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-2.887	-2.887	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-2.887	-2.887	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-2.887	-2.887	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	-1.969	-1.969	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-1.969	-1.969	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.774	-.774	0	%100
2	M1	Z	-.447	-.447	0	%100
3	M4	X	-2.351	-2.351	0	%100
4	M4	Z	-1.357	-1.357	0	%100
5	M10	X	-.635	-.635	0	%100
6	M10	Z	-.367	-.367	0	%100
7	MP1A	X	-2.5	-2.5	0	%100
8	MP1A	Z	-1.443	-1.443	0	%100
9	M43	X	-.635	-.635	0	%100
10	M43	Z	-.367	-.367	0	%100
11	M46	X	-.992	-.992	0	%100
12	M46	Z	-.573	-.573	0	%100
13	M51B	X	-.734	-.734	0	%100
14	M51B	Z	-.424	-.424	0	%100
15	M52B	X	-2.937	-2.937	0	%100
16	M52B	Z	-1.695	-1.695	0	%100
17	M76	X	-2.929	-2.929	0	%100
18	M76	Z	-1.691	-1.691	0	%100
19	M77	X	-.991	-.991	0	%100
20	M77	Z	-.572	-.572	0	%100
21	M80	X	-1.034	-1.034	0	%100
22	M80	Z	-.597	-.597	0	%100
23	M84	X	-2.929	-2.929	0	%100
24	M84	Z	-1.691	-1.691	0	%100
25	M85	X	-3.965	-3.965	0	%100
26	M85	Z	-2.289	-2.289	0	%100
27	M91	X	-4.137	-4.137	0	%100
28	M91	Z	-2.389	-2.389	0	%100
29	M124	X	-2.959	-2.959	0	%100
30	M124	Z	-1.708	-1.708	0	%100
31	M29	X	-.774	-.774	0	%100
32	M29	Z	-.447	-.447	0	%100
33	M30B	X	-3.097	-3.097	0	%100
34	M30B	Z	-1.788	-1.788	0	%100
35	M33	X	-2.351	-2.351	0	%100
36	M33	Z	-1.357	-1.357	0	%100
37	M34	X	-.635	-.635	0	%100
38	M34	Z	-.367	-.367	0	%100
39	M35	X	-.635	-.635	0	%100
40	M35	Z	-.367	-.367	0	%100
41	M36	X	-.992	-.992	0	%100
42	M36	Z	-.573	-.573	0	%100
43	M37	X	-2.937	-2.937	0	%100
44	M37	Z	-1.695	-1.695	0	%100
45	M38	X	-.734	-.734	0	%100
46	M38	Z	-.424	-.424	0	%100
47	M41	X	-2.929	-2.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	-1.691	-1.691	0	%100
49	M42	X	-3.965	-3.965	0	%100
50	M42	Z	-2.289	-2.289	0	%100
51	M44	X	-4.137	-4.137	0	%100
52	M44	Z	-2.389	-2.389	0	%100
53	M46A	X	-2.929	-2.929	0	%100
54	M46A	Z	-1.691	-1.691	0	%100
55	M47	X	-.991	-.991	0	%100
56	M47	Z	-.572	-.572	0	%100
57	M49	X	-1.034	-1.034	0	%100
58	M49	Z	-.597	-.597	0	%100
59	M57	X	-2.959	-2.959	0	%100
60	M57	Z	-1.708	-1.708	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-2.541	-2.541	0	%100
64	M61	Z	-1.467	-1.467	0	%100
65	M62	X	-2.541	-2.541	0	%100
66	M62	Z	-1.467	-1.467	0	%100
67	M63	X	-3.97	-3.97	0	%100
68	M63	Z	-2.292	-2.292	0	%100
69	M64	X	-.734	-.734	0	%100
70	M64	Z	-.424	-.424	0	%100
71	M65	X	-.734	-.734	0	%100
72	M65	Z	-.424	-.424	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	-.991	-.991	0	%100
76	M69	Z	-.572	-.572	0	%100
77	M71	X	-1.034	-1.034	0	%100
78	M71	Z	-.597	-.597	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-.991	-.991	0	%100
82	M74	Z	-.572	-.572	0	%100
83	M76A	X	-1.034	-1.034	0	%100
84	M76A	Z	-.597	-.597	0	%100
85	M84A	X	-2.069	-2.069	0	%100
86	M84A	Z	-1.195	-1.195	0	%100
87	M87	X	-.625	-.625	0	%100
88	M87	Z	-.361	-.361	0	%100
89	M89	X	-.625	-.625	0	%100
90	M89	Z	-.361	-.361	0	%100
91	M90	X	-2.5	-2.5	0	%100
92	M90	Z	-1.443	-1.443	0	%100
93	MP2A	X	-2.5	-2.5	0	%100
94	MP2A	Z	-1.443	-1.443	0	%100
95	MP3A	X	-2.5	-2.5	0	%100
96	MP3A	Z	-1.443	-1.443	0	%100
97	MP4A	X	-2.5	-2.5	0	%100
98	MP4A	Z	-1.443	-1.443	0	%100
99	MP1C	X	-2.5	-2.5	0	%100
100	MP1C	Z	-1.443	-1.443	0	%100
101	MP2C	X	-2.5	-2.5	0	%100
102	MP2C	Z	-1.443	-1.443	0	%100
103	MP3C	X	-2.5	-2.5	0	%100
104	MP3C	Z	-1.443	-1.443	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	-2.5	-2.5	0	%100
106	MP4C	Z	-1.443	-1.443	0	%100
107	MP1B	X	-2.5	-2.5	0	%100
108	MP1B	Z	-1.443	-1.443	0	%100
109	MP2B	X	-2.5	-2.5	0	%100
110	MP2B	Z	-1.443	-1.443	0	%100
111	MP3B	X	-2.5	-2.5	0	%100
112	MP3B	Z	-1.443	-1.443	0	%100
113	MP4B	X	-2.5	-2.5	0	%100
114	MP4B	Z	-1.443	-1.443	0	%100
115	M130	X	-.568	-.568	0	%100
116	M130	Z	-.328	-.328	0	%100
117	M131	X	-.568	-.568	0	%100
118	M131	Z	-.328	-.328	0	%100
119	M132	X	-2.274	-2.274	0	%100
120	M132	Z	-1.313	-1.313	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-1.341	-1.341	0	%100
2	M1	Z	-2.323	-2.323	0	%100
3	M4	X	-.452	-.452	0	%100
4	M4	Z	-.784	-.784	0	%100
5	M10	X	-1.1	-1.1	0	%100
6	M10	Z	-1.906	-1.906	0	%100
7	MP1A	X	-1.443	-1.443	0	%100
8	MP1A	Z	-2.5	-2.5	0	%100
9	M43	X	-1.1	-1.1	0	%100
10	M43	Z	-1.906	-1.906	0	%100
11	M46	X	-1.719	-1.719	0	%100
12	M46	Z	-2.977	-2.977	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-1.272	-1.272	0	%100
16	M52B	Z	-2.202	-2.202	0	%100
17	M76	X	-.564	-.564	0	%100
18	M76	Z	-.976	-.976	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.564	-.564	0	%100
24	M84	Z	-.976	-.976	0	%100
25	M85	X	-1.717	-1.717	0	%100
26	M85	Z	-2.973	-2.973	0	%100
27	M91	X	-1.792	-1.792	0	%100
28	M91	Z	-3.103	-3.103	0	%100
29	M124	X	-1.366	-1.366	0	%100
30	M124	Z	-2.366	-2.366	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-1.341	-1.341	0	%100
34	M30B	Z	-2.323	-2.323	0	%100
35	M33	X	-1.81	-1.81	0	%100
36	M33	Z	-3.134	-3.134	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-1.272	-1.272	0	%100
44	M37	Z	-2.202	-2.202	0	%100
45	M38	X	-1.272	-1.272	0	%100
46	M38	Z	-2.202	-2.202	0	%100
47	M41	X	-2.255	-2.255	0	%100
48	M41	Z	-3.906	-3.906	0	%100
49	M42	X	-1.717	-1.717	0	%100
50	M42	Z	-2.973	-2.973	0	%100
51	M44	X	-1.792	-1.792	0	%100
52	M44	Z	-3.103	-3.103	0	%100
53	M46A	X	-2.255	-2.255	0	%100
54	M46A	Z	-3.906	-3.906	0	%100
55	M47	X	-1.717	-1.717	0	%100
56	M47	Z	-2.973	-2.973	0	%100
57	M49	X	-1.792	-1.792	0	%100
58	M49	Z	-3.103	-3.103	0	%100
59	M57	X	-1.88	-1.88	0	%100
60	M57	Z	-3.256	-3.256	0	%100
61	M60	X	-.452	-.452	0	%100
62	M60	Z	-.784	-.784	0	%100
63	M61	X	-1.1	-1.1	0	%100
64	M61	Z	-1.906	-1.906	0	%100
65	M62	X	-1.1	-1.1	0	%100
66	M62	Z	-1.906	-1.906	0	%100
67	M63	X	-1.719	-1.719	0	%100
68	M63	Z	-2.977	-2.977	0	%100
69	M64	X	-1.272	-1.272	0	%100
70	M64	Z	-2.202	-2.202	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-.564	-.564	0	%100
74	M68	Z	-.976	-.976	0	%100
75	M69	X	-1.717	-1.717	0	%100
76	M69	Z	-2.973	-2.973	0	%100
77	M71	X	-1.792	-1.792	0	%100
78	M71	Z	-3.103	-3.103	0	%100
79	M73	X	-.564	-.564	0	%100
80	M73	Z	-.976	-.976	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-1.366	-1.366	0	%100
86	M84A	Z	-2.366	-2.366	0	%100
87	M87	X	-1.083	-1.083	0	%100
88	M87	Z	-1.875	-1.875	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-1.083	-1.083	0	%100
92	M90	Z	-1.875	-1.875	0	%100
93	MP2A	X	-1.443	-1.443	0	%100
94	MP2A	Z	-2.5	-2.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	-1.443	-1.443	0	%100
96	MP3A	Z	-2.5	-2.5	0	%100
97	MP4A	X	-1.443	-1.443	0	%100
98	MP4A	Z	-2.5	-2.5	0	%100
99	MP1C	X	-1.443	-1.443	0	%100
100	MP1C	Z	-2.5	-2.5	0	%100
101	MP2C	X	-1.443	-1.443	0	%100
102	MP2C	Z	-2.5	-2.5	0	%100
103	MP3C	X	-1.443	-1.443	0	%100
104	MP3C	Z	-2.5	-2.5	0	%100
105	MP4C	X	-1.443	-1.443	0	%100
106	MP4C	Z	-2.5	-2.5	0	%100
107	MP1B	X	-1.443	-1.443	0	%100
108	MP1B	Z	-2.5	-2.5	0	%100
109	MP2B	X	-1.443	-1.443	0	%100
110	MP2B	Z	-2.5	-2.5	0	%100
111	MP3B	X	-1.443	-1.443	0	%100
112	MP3B	Z	-2.5	-2.5	0	%100
113	MP4B	X	-1.443	-1.443	0	%100
114	MP4B	Z	-2.5	-2.5	0	%100
115	M130	X	-.984	-.984	0	%100
116	M130	Z	-1.705	-1.705	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-.984	-.984	0	%100
120	M132	Z	-1.705	-1.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	-.75	-.75	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.663	-.663	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.524	-.524	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.663	-.663	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.323	-1.323	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-.184	-.184	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-.184	-.184	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-.337	-.337	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-.355	-.355	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-.337	-.337	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	-.355	-.355	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	-.645	-.645	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	-.188	-.188	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	-.188	-.188	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.59	-.59	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-.166	-.166	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-.166	-.166	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-.331	-.331	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-.184	-.184	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	-.735	-.735	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-.992	-.992	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-.337	-.337	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-.355	-.355	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	-.992	-.992	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	-1.347	-1.347	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-1.419	-1.419	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-.806	-.806	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-.59	-.59	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.166	-.166	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-.166	-.166	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	-.331	-.331	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-.735	-.735	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	-.184	-.184	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-.992	-.992	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	-1.347	-1.347	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	-1.419	-1.419	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-.992	-.992	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-.337	-.337	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	-.355	-.355	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	-.806	-.806	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-.524	-.524	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	-.131	-.131	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	-.131	-.131	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-.524	-.524	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-.524	-.524	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-.524	-.524	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.524	-.524	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-.524	-.524	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.524	-.524	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-.524	-.524	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-.524	-.524	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-.524	-.524	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-.524	-.524	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-.524	-.524	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-.612	-.612	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	-.153	-.153	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-.153	-.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.281	.281	0	%100
2	M1	Z	-.487	-.487	0	%100
3	M4	X	.098	.098	0	%100
4	M4	Z	-.17	-.17	0	%100
5	M10	X	.249	.249	0	%100
6	M10	Z	-.431	-.431	0	%100
7	MP1A	X	.262	.262	0	%100
8	MP1A	Z	-.453	-.453	0	%100
9	M43	X	.249	.249	0	%100
10	M43	Z	-.431	-.431	0	%100
11	M46	X	.496	.496	0	%100
12	M46	Z	-.859	-.859	0	%100
13	M51B	X	.276	.276	0	%100
14	M51B	Z	-.477	-.477	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.165	.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	-.286	-.286	0	%100
19	M77	X	.505	.505	0	%100
20	M77	Z	-.875	-.875	0	%100
21	M80	X	.532	.532	0	%100
22	M80	Z	-.922	-.922	0	%100
23	M84	X	.165	.165	0	%100
24	M84	Z	-.286	-.286	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	.349	.349	0	%100
30	M124	Z	-.605	-.605	0	%100
31	M29	X	.281	.281	0	%100
32	M29	Z	-.487	-.487	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	.098	.098	0	%100
36	M33	Z	-.17	-.17	0	%100
37	M34	X	.249	.249	0	%100
38	M34	Z	-.431	-.431	0	%100
39	M35	X	.249	.249	0	%100
40	M35	Z	-.431	-.431	0	%100
41	M36	X	.496	.496	0	%100
42	M36	Z	-.859	-.859	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	.276	.276	0	%100
46	M38	Z	-.477	-.477	0	%100
47	M41	X	.165	.165	0	%100
48	M41	Z	-.286	-.286	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	.165	.165	0	%100
54	M46A	Z	-.286	-.286	0	%100
55	M47	X	.505	.505	0	%100
56	M47	Z	-.875	-.875	0	%100
57	M49	X	.532	.532	0	%100
58	M49	Z	-.922	-.922	0	%100
59	M57	X	.349	.349	0	%100
60	M57	Z	-.605	-.605	0	%100
61	M60	X	.394	.394	0	%100
62	M60	Z	-.682	-.682	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	.276	.276	0	%100
70	M64	Z	-.477	-.477	0	%100
71	M65	X	.276	.276	0	%100
72	M65	Z	-.477	-.477	0	%100
73	M68	X	.661	.661	0	%100
74	M68	Z	-1.146	-1.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	.505	.505	0	%100
76	M69	Z	-.875	-.875	0	%100
77	M71	X	.532	.532	0	%100
78	M71	Z	-.922	-.922	0	%100
79	M73	X	.661	.661	0	%100
80	M73	Z	-1.146	-1.146	0	%100
81	M74	X	.505	.505	0	%100
82	M74	Z	-.875	-.875	0	%100
83	M76A	X	.532	.532	0	%100
84	M76A	Z	-.922	-.922	0	%100
85	M84A	X	.43	.43	0	%100
86	M84A	Z	-.745	-.745	0	%100
87	M87	X	.196	.196	0	%100
88	M87	Z	-.34	-.34	0	%100
89	M89	X	.196	.196	0	%100
90	M89	Z	-.34	-.34	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	.262	.262	0	%100
94	MP2A	Z	-.453	-.453	0	%100
95	MP3A	X	.262	.262	0	%100
96	MP3A	Z	-.453	-.453	0	%100
97	MP4A	X	.262	.262	0	%100
98	MP4A	Z	-.453	-.453	0	%100
99	MP1C	X	.262	.262	0	%100
100	MP1C	Z	-.453	-.453	0	%100
101	MP2C	X	.262	.262	0	%100
102	MP2C	Z	-.453	-.453	0	%100
103	MP3C	X	.262	.262	0	%100
104	MP3C	Z	-.453	-.453	0	%100
105	MP4C	X	.262	.262	0	%100
106	MP4C	Z	-.453	-.453	0	%100
107	MP1B	X	.262	.262	0	%100
108	MP1B	Z	-.453	-.453	0	%100
109	MP2B	X	.262	.262	0	%100
110	MP2B	Z	-.453	-.453	0	%100
111	MP3B	X	.262	.262	0	%100
112	MP3B	Z	-.453	-.453	0	%100
113	MP4B	X	.262	.262	0	%100
114	MP4B	Z	-.453	-.453	0	%100
115	M130	X	.23	.23	0	%100
116	M130	Z	-.398	-.398	0	%100
117	M131	X	.23	.23	0	%100
118	M131	Z	-.398	-.398	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.162	.162	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M4	X	.511	.511	0	%100
4	M4	Z	-.295	-.295	0	%100
5	M10	X	.144	.144	0	%100
6	M10	Z	-.083	-.083	0	%100
7	MP1A	X	.453	.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	-.262	-.262	0	%100
9	M43	X	.144	.144	0	%100
10	M43	Z	-.083	-.083	0	%100
11	M46	X	.286	.286	0	%100
12	M46	Z	-.165	-.165	0	%100
13	M51B	X	.636	.636	0	%100
14	M51B	Z	-.367	-.367	0	%100
15	M52B	X	.159	.159	0	%100
16	M52B	Z	-.092	-.092	0	%100
17	M76	X	.859	.859	0	%100
18	M76	Z	-.496	-.496	0	%100
19	M77	X	1.167	1.167	0	%100
20	M77	Z	-.674	-.674	0	%100
21	M80	X	1.229	1.229	0	%100
22	M80	Z	-.71	-.71	0	%100
23	M84	X	.859	.859	0	%100
24	M84	Z	-.496	-.496	0	%100
25	M85	X	.292	.292	0	%100
26	M85	Z	-.168	-.168	0	%100
27	M91	X	.307	.307	0	%100
28	M91	Z	-.177	-.177	0	%100
29	M124	X	.698	.698	0	%100
30	M124	Z	-.403	-.403	0	%100
31	M29	X	.65	.65	0	%100
32	M29	Z	-.375	-.375	0	%100
33	M30B	X	.162	.162	0	%100
34	M30B	Z	-.094	-.094	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	.574	.574	0	%100
38	M34	Z	-.332	-.332	0	%100
39	M35	X	.574	.574	0	%100
40	M35	Z	-.332	-.332	0	%100
41	M36	X	1.146	1.146	0	%100
42	M36	Z	-.661	-.661	0	%100
43	M37	X	.159	.159	0	%100
44	M37	Z	-.092	-.092	0	%100
45	M38	X	.159	.159	0	%100
46	M38	Z	-.092	-.092	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	.292	.292	0	%100
50	M42	Z	-.168	-.168	0	%100
51	M44	X	.307	.307	0	%100
52	M44	Z	-.177	-.177	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	.292	.292	0	%100
56	M47	Z	-.168	-.168	0	%100
57	M49	X	.307	.307	0	%100
58	M49	Z	-.177	-.177	0	%100
59	M57	X	.558	.558	0	%100
60	M57	Z	-.322	-.322	0	%100
61	M60	X	.511	.511	0	%100
62	M60	Z	-.295	-.295	0	%100
63	M61	X	.144	.144	0	%100
64	M61	Z	-.083	-.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	.144	.144	0	%100
66	M62	Z	-.083	-.083	0	%100
67	M63	X	.286	.286	0	%100
68	M63	Z	-.165	-.165	0	%100
69	M64	X	.159	.159	0	%100
70	M64	Z	-.092	-.092	0	%100
71	M65	X	.636	.636	0	%100
72	M65	Z	-.367	-.367	0	%100
73	M68	X	.859	.859	0	%100
74	M68	Z	-.496	-.496	0	%100
75	M69	X	.292	.292	0	%100
76	M69	Z	-.168	-.168	0	%100
77	M71	X	.307	.307	0	%100
78	M71	Z	-.177	-.177	0	%100
79	M73	X	.859	.859	0	%100
80	M73	Z	-.496	-.496	0	%100
81	M74	X	1.167	1.167	0	%100
82	M74	Z	-.674	-.674	0	%100
83	M76A	X	1.229	1.229	0	%100
84	M76A	Z	-.71	-.71	0	%100
85	M84A	X	.698	.698	0	%100
86	M84A	Z	-.403	-.403	0	%100
87	M87	X	.113	.113	0	%100
88	M87	Z	-.065	-.065	0	%100
89	M89	X	.453	.453	0	%100
90	M89	Z	-.262	-.262	0	%100
91	M90	X	.113	.113	0	%100
92	M90	Z	-.065	-.065	0	%100
93	MP2A	X	.453	.453	0	%100
94	MP2A	Z	-.262	-.262	0	%100
95	MP3A	X	.453	.453	0	%100
96	MP3A	Z	-.262	-.262	0	%100
97	MP4A	X	.453	.453	0	%100
98	MP4A	Z	-.262	-.262	0	%100
99	MP1C	X	.453	.453	0	%100
100	MP1C	Z	-.262	-.262	0	%100
101	MP2C	X	.453	.453	0	%100
102	MP2C	Z	-.262	-.262	0	%100
103	MP3C	X	.453	.453	0	%100
104	MP3C	Z	-.262	-.262	0	%100
105	MP4C	X	.453	.453	0	%100
106	MP4C	Z	-.262	-.262	0	%100
107	MP1B	X	.453	.453	0	%100
108	MP1B	Z	-.262	-.262	0	%100
109	MP2B	X	.453	.453	0	%100
110	MP2B	Z	-.262	-.262	0	%100
111	MP3B	X	.453	.453	0	%100
112	MP3B	Z	-.262	-.262	0	%100
113	MP4B	X	.453	.453	0	%100
114	MP4B	Z	-.262	-.262	0	%100
115	M130	X	.133	.133	0	%100
116	M130	Z	-.077	-.077	0	%100
117	M131	X	.53	.53	0	%100
118	M131	Z	-.306	-.306	0	%100
119	M132	X	.133	.133	0	%100
120	M132	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.787	.787	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	.524	.524	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.551	.551	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.551	.551	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.323	1.323	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	1.01	1.01	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	1.064	1.064	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	1.323	1.323	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	1.01	1.01	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	1.064	1.064	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	.86	.86	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	.563	.563	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	.563	.563	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	.197	.197	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	.497	.497	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	.497	.497	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	.992	.992	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	.551	.551	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	.331	.331	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	1.01	1.01	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	1.064	1.064	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	.331	.331	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	.699	.699	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	.197	.197	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.497	.497	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	.497	.497	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	.992	.992	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	.551	.551	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	.331	.331	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	.331	.331	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	1.01	1.01	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	1.064	1.064	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	.699	.699	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	.393	.393	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	.393	.393	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	.524	.524	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	.524	.524	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	.524	.524	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	.524	.524	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	.524	.524	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	.524	.524	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	.524	.524	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	.524	.524	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	.524	.524	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	.524	.524	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	.524	.524	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	.459	.459	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	.459	.459	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.162	.162	0	%100
2	M1	Z	.094	.094	0	%100
3	M4	X	.511	.511	0	%100
4	M4	Z	.295	.295	0	%100
5	M10	X	.144	.144	0	%100
6	M10	Z	.083	.083	0	%100
7	MP1A	X	.453	.453	0	%100
8	MP1A	Z	.262	.262	0	%100
9	M43	X	.144	.144	0	%100
10	M43	Z	.083	.083	0	%100
11	M46	X	.286	.286	0	%100
12	M46	Z	.165	.165	0	%100
13	M51B	X	.159	.159	0	%100
14	M51B	Z	.092	.092	0	%100
15	M52B	X	.636	.636	0	%100
16	M52B	Z	.367	.367	0	%100
17	M76	X	.859	.859	0	%100
18	M76	Z	.496	.496	0	%100
19	M77	X	.292	.292	0	%100
20	M77	Z	.168	.168	0	%100
21	M80	X	.307	.307	0	%100
22	M80	Z	.177	.177	0	%100
23	M84	X	.859	.859	0	%100
24	M84	Z	.496	.496	0	%100
25	M85	X	1.167	1.167	0	%100
26	M85	Z	.674	.674	0	%100
27	M91	X	1.229	1.229	0	%100
28	M91	Z	.71	.71	0	%100
29	M124	X	.698	.698	0	%100
30	M124	Z	.403	.403	0	%100
31	M29	X	.162	.162	0	%100
32	M29	Z	.094	.094	0	%100
33	M30B	X	.65	.65	0	%100
34	M30B	Z	.375	.375	0	%100
35	M33	X	.511	.511	0	%100
36	M33	Z	.295	.295	0	%100
37	M34	X	.144	.144	0	%100
38	M34	Z	.083	.083	0	%100
39	M35	X	.144	.144	0	%100
40	M35	Z	.083	.083	0	%100
41	M36	X	.286	.286	0	%100
42	M36	Z	.165	.165	0	%100
43	M37	X	.636	.636	0	%100
44	M37	Z	.367	.367	0	%100
45	M38	X	.159	.159	0	%100
46	M38	Z	.092	.092	0	%100
47	M41	X	.859	.859	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	.496	.496	0	%100
49	M42	X	1.167	1.167	0	%100
50	M42	Z	.674	.674	0	%100
51	M44	X	1.229	1.229	0	%100
52	M44	Z	.71	.71	0	%100
53	M46A	X	.859	.859	0	%100
54	M46A	Z	.496	.496	0	%100
55	M47	X	.292	.292	0	%100
56	M47	Z	.168	.168	0	%100
57	M49	X	.307	.307	0	%100
58	M49	Z	.177	.177	0	%100
59	M57	X	.698	.698	0	%100
60	M57	Z	.403	.403	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.574	.574	0	%100
64	M61	Z	.332	.332	0	%100
65	M62	X	.574	.574	0	%100
66	M62	Z	.332	.332	0	%100
67	M63	X	1.146	1.146	0	%100
68	M63	Z	.661	.661	0	%100
69	M64	X	.159	.159	0	%100
70	M64	Z	.092	.092	0	%100
71	M65	X	.159	.159	0	%100
72	M65	Z	.092	.092	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	.292	.292	0	%100
76	M69	Z	.168	.168	0	%100
77	M71	X	.307	.307	0	%100
78	M71	Z	.177	.177	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	.292	.292	0	%100
82	M74	Z	.168	.168	0	%100
83	M76A	X	.307	.307	0	%100
84	M76A	Z	.177	.177	0	%100
85	M84A	X	.558	.558	0	%100
86	M84A	Z	.322	.322	0	%100
87	M87	X	.113	.113	0	%100
88	M87	Z	.065	.065	0	%100
89	M89	X	.113	.113	0	%100
90	M89	Z	.065	.065	0	%100
91	M90	X	.453	.453	0	%100
92	M90	Z	.262	.262	0	%100
93	MP2A	X	.453	.453	0	%100
94	MP2A	Z	.262	.262	0	%100
95	MP3A	X	.453	.453	0	%100
96	MP3A	Z	.262	.262	0	%100
97	MP4A	X	.453	.453	0	%100
98	MP4A	Z	.262	.262	0	%100
99	MP1C	X	.453	.453	0	%100
100	MP1C	Z	.262	.262	0	%100
101	MP2C	X	.453	.453	0	%100
102	MP2C	Z	.262	.262	0	%100
103	MP3C	X	.453	.453	0	%100
104	MP3C	Z	.262	.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	.453	.453	0	%100
106	MP4C	Z	.262	.262	0	%100
107	MP1B	X	.453	.453	0	%100
108	MP1B	Z	.262	.262	0	%100
109	MP2B	X	.453	.453	0	%100
110	MP2B	Z	.262	.262	0	%100
111	MP3B	X	.453	.453	0	%100
112	MP3B	Z	.262	.262	0	%100
113	MP4B	X	.453	.453	0	%100
114	MP4B	Z	.262	.262	0	%100
115	M130	X	.133	.133	0	%100
116	M130	Z	.077	.077	0	%100
117	M131	X	.133	.133	0	%100
118	M131	Z	.077	.077	0	%100
119	M132	X	.53	.53	0	%100
120	M132	Z	.306	.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	.281	.281	0	%100
2	M1	Z	.487	.487	0	%100
3	M4	X	.098	.098	0	%100
4	M4	Z	.17	.17	0	%100
5	M10	X	.249	.249	0	%100
6	M10	Z	.431	.431	0	%100
7	MP1A	X	.262	.262	0	%100
8	MP1A	Z	.453	.453	0	%100
9	M43	X	.249	.249	0	%100
10	M43	Z	.431	.431	0	%100
11	M46	X	.496	.496	0	%100
12	M46	Z	.859	.859	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.276	.276	0	%100
16	M52B	Z	.477	.477	0	%100
17	M76	X	.165	.165	0	%100
18	M76	Z	.286	.286	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.165	.165	0	%100
24	M84	Z	.286	.286	0	%100
25	M85	X	.505	.505	0	%100
26	M85	Z	.875	.875	0	%100
27	M91	X	.532	.532	0	%100
28	M91	Z	.922	.922	0	%100
29	M124	X	.349	.349	0	%100
30	M124	Z	.605	.605	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	.281	.281	0	%100
34	M30B	Z	.487	.487	0	%100
35	M33	X	.394	.394	0	%100
36	M33	Z	.682	.682	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	.276	.276	0	%100
44	M37	Z	.477	.477	0	%100
45	M38	X	.276	.276	0	%100
46	M38	Z	.477	.477	0	%100
47	M41	X	.661	.661	0	%100
48	M41	Z	1.146	1.146	0	%100
49	M42	X	.505	.505	0	%100
50	M42	Z	.875	.875	0	%100
51	M44	X	.532	.532	0	%100
52	M44	Z	.922	.922	0	%100
53	M46A	X	.661	.661	0	%100
54	M46A	Z	1.146	1.146	0	%100
55	M47	X	.505	.505	0	%100
56	M47	Z	.875	.875	0	%100
57	M49	X	.532	.532	0	%100
58	M49	Z	.922	.922	0	%100
59	M57	X	.43	.43	0	%100
60	M57	Z	.745	.745	0	%100
61	M60	X	.098	.098	0	%100
62	M60	Z	.17	.17	0	%100
63	M61	X	.249	.249	0	%100
64	M61	Z	.431	.431	0	%100
65	M62	X	.249	.249	0	%100
66	M62	Z	.431	.431	0	%100
67	M63	X	.496	.496	0	%100
68	M63	Z	.859	.859	0	%100
69	M64	X	.276	.276	0	%100
70	M64	Z	.477	.477	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	.165	.165	0	%100
74	M68	Z	.286	.286	0	%100
75	M69	X	.505	.505	0	%100
76	M69	Z	.875	.875	0	%100
77	M71	X	.532	.532	0	%100
78	M71	Z	.922	.922	0	%100
79	M73	X	.165	.165	0	%100
80	M73	Z	.286	.286	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	.349	.349	0	%100
86	M84A	Z	.605	.605	0	%100
87	M87	X	.196	.196	0	%100
88	M87	Z	.34	.34	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	.196	.196	0	%100
92	M90	Z	.34	.34	0	%100
93	MP2A	X	.262	.262	0	%100
94	MP2A	Z	.453	.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	.262	.262	0	%100
96	MP3A	Z	.453	.453	0	%100
97	MP4A	X	.262	.262	0	%100
98	MP4A	Z	.453	.453	0	%100
99	MP1C	X	.262	.262	0	%100
100	MP1C	Z	.453	.453	0	%100
101	MP2C	X	.262	.262	0	%100
102	MP2C	Z	.453	.453	0	%100
103	MP3C	X	.262	.262	0	%100
104	MP3C	Z	.453	.453	0	%100
105	MP4C	X	.262	.262	0	%100
106	MP4C	Z	.453	.453	0	%100
107	MP1B	X	.262	.262	0	%100
108	MP1B	Z	.453	.453	0	%100
109	MP2B	X	.262	.262	0	%100
110	MP2B	Z	.453	.453	0	%100
111	MP3B	X	.262	.262	0	%100
112	MP3B	Z	.453	.453	0	%100
113	MP4B	X	.262	.262	0	%100
114	MP4B	Z	.453	.453	0	%100
115	M130	X	.23	.23	0	%100
116	M130	Z	.398	.398	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	.23	.23	0	%100
120	M132	Z	.398	.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	.75	.75	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.663	.663	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.524	.524	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.663	.663	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	1.323	1.323	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.184	.184	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.184	.184	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	.337	.337	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	.355	.355	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	.337	.337	0	%100
27	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M91	Z	.355	.355	0	%100
29	M124	X	0	0	0	%100
30	M124	Z	.645	.645	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	.188	.188	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	.188	.188	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.59	.59	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	.166	.166	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	.166	.166	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	.331	.331	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	.184	.184	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	.735	.735	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	.992	.992	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	.337	.337	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	.355	.355	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	.992	.992	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	1.347	1.347	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	1.419	1.419	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	.806	.806	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.59	.59	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.166	.166	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	.166	.166	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	.331	.331	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	.735	.735	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	.184	.184	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	.992	.992	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	1.347	1.347	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	1.419	1.419	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	.992	.992	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	.337	.337	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	.355	.355	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
85	M84A	X	0	0	0	%100
86	M84A	Z	.806	.806	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	.524	.524	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	.131	.131	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	.131	.131	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	.524	.524	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	.524	.524	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	.524	.524	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.524	.524	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	.524	.524	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.524	.524	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.524	.524	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	.524	.524	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	.524	.524	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.524	.524	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	.524	.524	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	.612	.612	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	.153	.153	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	.153	.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.281	-.281	0	%100
2	M1	Z	.487	.487	0	%100
3	M4	X	-.098	-.098	0	%100
4	M4	Z	.17	.17	0	%100
5	M10	X	-.249	-.249	0	%100
6	M10	Z	.431	.431	0	%100
7	MP1A	X	-.262	-.262	0	%100
8	MP1A	Z	.453	.453	0	%100
9	M43	X	-.249	-.249	0	%100
10	M43	Z	.431	.431	0	%100
11	M46	X	-.496	-.496	0	%100
12	M46	Z	.859	.859	0	%100
13	M51B	X	-.276	-.276	0	%100
14	M51B	Z	.477	.477	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.165	-.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M76	Z	.286	.286	0	%100
19	M77	X	-.505	-.505	0	%100
20	M77	Z	.875	.875	0	%100
21	M80	X	-.532	-.532	0	%100
22	M80	Z	.922	.922	0	%100
23	M84	X	-.165	-.165	0	%100
24	M84	Z	.286	.286	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-.349	-.349	0	%100
30	M124	Z	.605	.605	0	%100
31	M29	X	-.281	-.281	0	%100
32	M29	Z	.487	.487	0	%100
33	M30B	X	0	0	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-.098	-.098	0	%100
36	M33	Z	.17	.17	0	%100
37	M34	X	-.249	-.249	0	%100
38	M34	Z	.431	.431	0	%100
39	M35	X	-.249	-.249	0	%100
40	M35	Z	.431	.431	0	%100
41	M36	X	-.496	-.496	0	%100
42	M36	Z	.859	.859	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-.276	-.276	0	%100
46	M38	Z	.477	.477	0	%100
47	M41	X	-.165	-.165	0	%100
48	M41	Z	.286	.286	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-.165	-.165	0	%100
54	M46A	Z	.286	.286	0	%100
55	M47	X	-.505	-.505	0	%100
56	M47	Z	.875	.875	0	%100
57	M49	X	-.532	-.532	0	%100
58	M49	Z	.922	.922	0	%100
59	M57	X	-.349	-.349	0	%100
60	M57	Z	.605	.605	0	%100
61	M60	X	-.394	-.394	0	%100
62	M60	Z	.682	.682	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-.276	-.276	0	%100
70	M64	Z	.477	.477	0	%100
71	M65	X	-.276	-.276	0	%100
72	M65	Z	.477	.477	0	%100
73	M68	X	-.661	-.661	0	%100
74	M68	Z	1.146	1.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
75	M69	X	-.505	-.505	0	%100
76	M69	Z	.875	.875	0	%100
77	M71	X	-.532	-.532	0	%100
78	M71	Z	.922	.922	0	%100
79	M73	X	-.661	-.661	0	%100
80	M73	Z	1.146	1.146	0	%100
81	M74	X	-.505	-.505	0	%100
82	M74	Z	.875	.875	0	%100
83	M76A	X	-.532	-.532	0	%100
84	M76A	Z	.922	.922	0	%100
85	M84A	X	-.43	-.43	0	%100
86	M84A	Z	.745	.745	0	%100
87	M87	X	-.196	-.196	0	%100
88	M87	Z	.34	.34	0	%100
89	M89	X	-.196	-.196	0	%100
90	M89	Z	.34	.34	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-.262	-.262	0	%100
94	MP2A	Z	.453	.453	0	%100
95	MP3A	X	-.262	-.262	0	%100
96	MP3A	Z	.453	.453	0	%100
97	MP4A	X	-.262	-.262	0	%100
98	MP4A	Z	.453	.453	0	%100
99	MP1C	X	-.262	-.262	0	%100
100	MP1C	Z	.453	.453	0	%100
101	MP2C	X	-.262	-.262	0	%100
102	MP2C	Z	.453	.453	0	%100
103	MP3C	X	-.262	-.262	0	%100
104	MP3C	Z	.453	.453	0	%100
105	MP4C	X	-.262	-.262	0	%100
106	MP4C	Z	.453	.453	0	%100
107	MP1B	X	-.262	-.262	0	%100
108	MP1B	Z	.453	.453	0	%100
109	MP2B	X	-.262	-.262	0	%100
110	MP2B	Z	.453	.453	0	%100
111	MP3B	X	-.262	-.262	0	%100
112	MP3B	Z	.453	.453	0	%100
113	MP4B	X	-.262	-.262	0	%100
114	MP4B	Z	.453	.453	0	%100
115	M130	X	-.23	-.23	0	%100
116	M130	Z	.398	.398	0	%100
117	M131	X	-.23	-.23	0	%100
118	M131	Z	.398	.398	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.162	-.162	0	%100
2	M1	Z	.094	.094	0	%100
3	M4	X	-.511	-.511	0	%100
4	M4	Z	.295	.295	0	%100
5	M10	X	-.144	-.144	0	%100
6	M10	Z	.083	.083	0	%100
7	MP1A	X	-.453	-.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	MP1A	Z	.262	.262	0	%100
9	M43	X	-.144	-.144	0	%100
10	M43	Z	.083	.083	0	%100
11	M46	X	-.286	-.286	0	%100
12	M46	Z	.165	.165	0	%100
13	M51B	X	-.636	-.636	0	%100
14	M51B	Z	.367	.367	0	%100
15	M52B	X	-.159	-.159	0	%100
16	M52B	Z	.092	.092	0	%100
17	M76	X	-.859	-.859	0	%100
18	M76	Z	.496	.496	0	%100
19	M77	X	-1.167	-1.167	0	%100
20	M77	Z	.674	.674	0	%100
21	M80	X	-1.229	-1.229	0	%100
22	M80	Z	.71	.71	0	%100
23	M84	X	-.859	-.859	0	%100
24	M84	Z	.496	.496	0	%100
25	M85	X	-.292	-.292	0	%100
26	M85	Z	.168	.168	0	%100
27	M91	X	-.307	-.307	0	%100
28	M91	Z	.177	.177	0	%100
29	M124	X	-.698	-.698	0	%100
30	M124	Z	.403	.403	0	%100
31	M29	X	-.65	-.65	0	%100
32	M29	Z	.375	.375	0	%100
33	M30B	X	-.162	-.162	0	%100
34	M30B	Z	.094	.094	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-.574	-.574	0	%100
38	M34	Z	.332	.332	0	%100
39	M35	X	-.574	-.574	0	%100
40	M35	Z	.332	.332	0	%100
41	M36	X	-1.146	-1.146	0	%100
42	M36	Z	.661	.661	0	%100
43	M37	X	-.159	-.159	0	%100
44	M37	Z	.092	.092	0	%100
45	M38	X	-.159	-.159	0	%100
46	M38	Z	.092	.092	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-.292	-.292	0	%100
50	M42	Z	.168	.168	0	%100
51	M44	X	-.307	-.307	0	%100
52	M44	Z	.177	.177	0	%100
53	M46A	X	0	0	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	-.292	-.292	0	%100
56	M47	Z	.168	.168	0	%100
57	M49	X	-.307	-.307	0	%100
58	M49	Z	.177	.177	0	%100
59	M57	X	-.558	-.558	0	%100
60	M57	Z	.322	.322	0	%100
61	M60	X	-.511	-.511	0	%100
62	M60	Z	.295	.295	0	%100
63	M61	X	-.144	-.144	0	%100
64	M61	Z	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
65	M62	X	-.144	-.144	0	%100
66	M62	Z	.083	.083	0	%100
67	M63	X	-.286	-.286	0	%100
68	M63	Z	.165	.165	0	%100
69	M64	X	-.159	-.159	0	%100
70	M64	Z	.092	.092	0	%100
71	M65	X	-.636	-.636	0	%100
72	M65	Z	.367	.367	0	%100
73	M68	X	-.859	-.859	0	%100
74	M68	Z	.496	.496	0	%100
75	M69	X	-.292	-.292	0	%100
76	M69	Z	.168	.168	0	%100
77	M71	X	-.307	-.307	0	%100
78	M71	Z	.177	.177	0	%100
79	M73	X	-.859	-.859	0	%100
80	M73	Z	.496	.496	0	%100
81	M74	X	-1.167	-1.167	0	%100
82	M74	Z	.674	.674	0	%100
83	M76A	X	-1.229	-1.229	0	%100
84	M76A	Z	.71	.71	0	%100
85	M84A	X	-.698	-.698	0	%100
86	M84A	Z	.403	.403	0	%100
87	M87	X	-.113	-.113	0	%100
88	M87	Z	.065	.065	0	%100
89	M89	X	-.453	-.453	0	%100
90	M89	Z	.262	.262	0	%100
91	M90	X	-.113	-.113	0	%100
92	M90	Z	.065	.065	0	%100
93	MP2A	X	-.453	-.453	0	%100
94	MP2A	Z	.262	.262	0	%100
95	MP3A	X	-.453	-.453	0	%100
96	MP3A	Z	.262	.262	0	%100
97	MP4A	X	-.453	-.453	0	%100
98	MP4A	Z	.262	.262	0	%100
99	MP1C	X	-.453	-.453	0	%100
100	MP1C	Z	.262	.262	0	%100
101	MP2C	X	-.453	-.453	0	%100
102	MP2C	Z	.262	.262	0	%100
103	MP3C	X	-.453	-.453	0	%100
104	MP3C	Z	.262	.262	0	%100
105	MP4C	X	-.453	-.453	0	%100
106	MP4C	Z	.262	.262	0	%100
107	MP1B	X	-.453	-.453	0	%100
108	MP1B	Z	.262	.262	0	%100
109	MP2B	X	-.453	-.453	0	%100
110	MP2B	Z	.262	.262	0	%100
111	MP3B	X	-.453	-.453	0	%100
112	MP3B	Z	.262	.262	0	%100
113	MP4B	X	-.453	-.453	0	%100
114	MP4B	Z	.262	.262	0	%100
115	M130	X	-.133	-.133	0	%100
116	M130	Z	.077	.077	0	%100
117	M131	X	-.53	-.53	0	%100
118	M131	Z	.306	.306	0	%100
119	M132	X	-.133	-.133	0	%100
120	M132	Z	.077	.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.787	-.787	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-.524	-.524	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-.551	-.551	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.551	-.551	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.323	-1.323	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.01	-1.01	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-1.064	-1.064	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-1.323	-1.323	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-1.01	-1.01	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-1.064	-1.064	0	%100
28	M91	Z	0	0	0	%100
29	M124	X	-.86	-.86	0	%100
30	M124	Z	0	0	0	%100
31	M29	X	-.563	-.563	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-.563	-.563	0	%100
34	M30B	Z	0	0	0	%100
35	M33	X	-.197	-.197	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-.497	-.497	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-.497	-.497	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	-.992	-.992	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-.551	-.551	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-.331	-.331	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-1.01	-1.01	0	%100
50	M42	Z	0	0	0	%100
51	M44	X	-1.064	-1.064	0	%100
52	M44	Z	0	0	0	%100
53	M46A	X	-.331	-.331	0	%100
54	M46A	Z	0	0	0	%100
55	M47	X	0	0	0	%100
56	M47	Z	0	0	0	%100
57	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	M49	Z	0	0	0	%100
59	M57	X	-.699	-.699	0	%100
60	M57	Z	0	0	0	%100
61	M60	X	-.197	-.197	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.497	-.497	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-.497	-.497	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-.992	-.992	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M65	X	-.551	-.551	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-.331	-.331	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	0	0	0	%100
76	M69	Z	0	0	0	%100
77	M71	X	0	0	0	%100
78	M71	Z	0	0	0	%100
79	M73	X	-.331	-.331	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-1.01	-1.01	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	-1.064	-1.064	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-.699	-.699	0	%100
86	M84A	Z	0	0	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M89	X	-.393	-.393	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-.393	-.393	0	%100
92	M90	Z	0	0	0	%100
93	MP2A	X	-.524	-.524	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-.524	-.524	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-.524	-.524	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-.524	-.524	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-.524	-.524	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-.524	-.524	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-.524	-.524	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-.524	-.524	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-.524	-.524	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-.524	-.524	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-.524	-.524	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
115	M130	X	0	0	0	%100
116	M130	Z	0	0	0	%100
117	M131	X	-.459	-.459	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-.459	-.459	0	%100
120	M132	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.162	-.162	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M4	X	-.511	-.511	0	%100
4	M4	Z	-.295	-.295	0	%100
5	M10	X	-.144	-.144	0	%100
6	M10	Z	-.083	-.083	0	%100
7	MP1A	X	-.453	-.453	0	%100
8	MP1A	Z	-.262	-.262	0	%100
9	M43	X	-.144	-.144	0	%100
10	M43	Z	-.083	-.083	0	%100
11	M46	X	-.286	-.286	0	%100
12	M46	Z	-.165	-.165	0	%100
13	M51B	X	-.159	-.159	0	%100
14	M51B	Z	-.092	-.092	0	%100
15	M52B	X	-.636	-.636	0	%100
16	M52B	Z	-.367	-.367	0	%100
17	M76	X	-.859	-.859	0	%100
18	M76	Z	-.496	-.496	0	%100
19	M77	X	-.292	-.292	0	%100
20	M77	Z	-.168	-.168	0	%100
21	M80	X	-.307	-.307	0	%100
22	M80	Z	-.177	-.177	0	%100
23	M84	X	-.859	-.859	0	%100
24	M84	Z	-.496	-.496	0	%100
25	M85	X	-1.167	-1.167	0	%100
26	M85	Z	-.674	-.674	0	%100
27	M91	X	-1.229	-1.229	0	%100
28	M91	Z	-.71	-.71	0	%100
29	M124	X	-.698	-.698	0	%100
30	M124	Z	-.403	-.403	0	%100
31	M29	X	-.162	-.162	0	%100
32	M29	Z	-.094	-.094	0	%100
33	M30B	X	-.65	-.65	0	%100
34	M30B	Z	-.375	-.375	0	%100
35	M33	X	-.511	-.511	0	%100
36	M33	Z	-.295	-.295	0	%100
37	M34	X	-.144	-.144	0	%100
38	M34	Z	-.083	-.083	0	%100
39	M35	X	-.144	-.144	0	%100
40	M35	Z	-.083	-.083	0	%100
41	M36	X	-.286	-.286	0	%100
42	M36	Z	-.165	-.165	0	%100
43	M37	X	-.636	-.636	0	%100
44	M37	Z	-.367	-.367	0	%100
45	M38	X	-.159	-.159	0	%100
46	M38	Z	-.092	-.092	0	%100
47	M41	X	-.859	-.859	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	M41	Z	-.496	-.496	0	%100
49	M42	X	-1.167	-1.167	0	%100
50	M42	Z	-.674	-.674	0	%100
51	M44	X	-1.229	-1.229	0	%100
52	M44	Z	-.71	-.71	0	%100
53	M46A	X	-.859	-.859	0	%100
54	M46A	Z	-.496	-.496	0	%100
55	M47	X	-.292	-.292	0	%100
56	M47	Z	-.168	-.168	0	%100
57	M49	X	-.307	-.307	0	%100
58	M49	Z	-.177	-.177	0	%100
59	M57	X	-.698	-.698	0	%100
60	M57	Z	-.403	-.403	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.574	-.574	0	%100
64	M61	Z	-.332	-.332	0	%100
65	M62	X	-.574	-.574	0	%100
66	M62	Z	-.332	-.332	0	%100
67	M63	X	-1.146	-1.146	0	%100
68	M63	Z	-.661	-.661	0	%100
69	M64	X	-.159	-.159	0	%100
70	M64	Z	-.092	-.092	0	%100
71	M65	X	-.159	-.159	0	%100
72	M65	Z	-.092	-.092	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	0	0	0	%100
75	M69	X	-.292	-.292	0	%100
76	M69	Z	-.168	-.168	0	%100
77	M71	X	-.307	-.307	0	%100
78	M71	Z	-.177	-.177	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-.292	-.292	0	%100
82	M74	Z	-.168	-.168	0	%100
83	M76A	X	-.307	-.307	0	%100
84	M76A	Z	-.177	-.177	0	%100
85	M84A	X	-.558	-.558	0	%100
86	M84A	Z	-.322	-.322	0	%100
87	M87	X	-.113	-.113	0	%100
88	M87	Z	-.065	-.065	0	%100
89	M89	X	-.113	-.113	0	%100
90	M89	Z	-.065	-.065	0	%100
91	M90	X	-.453	-.453	0	%100
92	M90	Z	-.262	-.262	0	%100
93	MP2A	X	-.453	-.453	0	%100
94	MP2A	Z	-.262	-.262	0	%100
95	MP3A	X	-.453	-.453	0	%100
96	MP3A	Z	-.262	-.262	0	%100
97	MP4A	X	-.453	-.453	0	%100
98	MP4A	Z	-.262	-.262	0	%100
99	MP1C	X	-.453	-.453	0	%100
100	MP1C	Z	-.262	-.262	0	%100
101	MP2C	X	-.453	-.453	0	%100
102	MP2C	Z	-.262	-.262	0	%100
103	MP3C	X	-.453	-.453	0	%100
104	MP3C	Z	-.262	-.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
105	MP4C	X	-.453	-.453	0	%100
106	MP4C	Z	-.262	-.262	0	%100
107	MP1B	X	-.453	-.453	0	%100
108	MP1B	Z	-.262	-.262	0	%100
109	MP2B	X	-.453	-.453	0	%100
110	MP2B	Z	-.262	-.262	0	%100
111	MP3B	X	-.453	-.453	0	%100
112	MP3B	Z	-.262	-.262	0	%100
113	MP4B	X	-.453	-.453	0	%100
114	MP4B	Z	-.262	-.262	0	%100
115	M130	X	-.133	-.133	0	%100
116	M130	Z	-.077	-.077	0	%100
117	M131	X	-.133	-.133	0	%100
118	M131	Z	-.077	-.077	0	%100
119	M132	X	-.53	-.53	0	%100
120	M132	Z	-.306	-.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.281	-.281	0	%100
2	M1	Z	-.487	-.487	0	%100
3	M4	X	-.098	-.098	0	%100
4	M4	Z	-.17	-.17	0	%100
5	M10	X	-.249	-.249	0	%100
6	M10	Z	-.431	-.431	0	%100
7	MP1A	X	-.262	-.262	0	%100
8	MP1A	Z	-.453	-.453	0	%100
9	M43	X	-.249	-.249	0	%100
10	M43	Z	-.431	-.431	0	%100
11	M46	X	-.496	-.496	0	%100
12	M46	Z	-.859	-.859	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.276	-.276	0	%100
16	M52B	Z	-.477	-.477	0	%100
17	M76	X	-.165	-.165	0	%100
18	M76	Z	-.286	-.286	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.165	-.165	0	%100
24	M84	Z	-.286	-.286	0	%100
25	M85	X	-.505	-.505	0	%100
26	M85	Z	-.875	-.875	0	%100
27	M91	X	-.532	-.532	0	%100
28	M91	Z	-.922	-.922	0	%100
29	M124	X	-.349	-.349	0	%100
30	M124	Z	-.605	-.605	0	%100
31	M29	X	0	0	0	%100
32	M29	Z	0	0	0	%100
33	M30B	X	-.281	-.281	0	%100
34	M30B	Z	-.487	-.487	0	%100
35	M33	X	-.394	-.394	0	%100
36	M33	Z	-.682	-.682	0	%100
37	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
38	M34	Z	0	0	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	M37	X	-.276	-.276	0	%100
44	M37	Z	-.477	-.477	0	%100
45	M38	X	-.276	-.276	0	%100
46	M38	Z	-.477	-.477	0	%100
47	M41	X	-.661	-.661	0	%100
48	M41	Z	-1.146	-1.146	0	%100
49	M42	X	-.505	-.505	0	%100
50	M42	Z	-.875	-.875	0	%100
51	M44	X	-.532	-.532	0	%100
52	M44	Z	-.922	-.922	0	%100
53	M46A	X	-.661	-.661	0	%100
54	M46A	Z	-1.146	-1.146	0	%100
55	M47	X	-.505	-.505	0	%100
56	M47	Z	-.875	-.875	0	%100
57	M49	X	-.532	-.532	0	%100
58	M49	Z	-.922	-.922	0	%100
59	M57	X	-.43	-.43	0	%100
60	M57	Z	-.745	-.745	0	%100
61	M60	X	-.098	-.098	0	%100
62	M60	Z	-.17	-.17	0	%100
63	M61	X	-.249	-.249	0	%100
64	M61	Z	-.431	-.431	0	%100
65	M62	X	-.249	-.249	0	%100
66	M62	Z	-.431	-.431	0	%100
67	M63	X	-.496	-.496	0	%100
68	M63	Z	-.859	-.859	0	%100
69	M64	X	-.276	-.276	0	%100
70	M64	Z	-.477	-.477	0	%100
71	M65	X	0	0	0	%100
72	M65	Z	0	0	0	%100
73	M68	X	-.165	-.165	0	%100
74	M68	Z	-.286	-.286	0	%100
75	M69	X	-.505	-.505	0	%100
76	M69	Z	-.875	-.875	0	%100
77	M71	X	-.532	-.532	0	%100
78	M71	Z	-.922	-.922	0	%100
79	M73	X	-.165	-.165	0	%100
80	M73	Z	-.286	-.286	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M76A	X	0	0	0	%100
84	M76A	Z	0	0	0	%100
85	M84A	X	-.349	-.349	0	%100
86	M84A	Z	-.605	-.605	0	%100
87	M87	X	-.196	-.196	0	%100
88	M87	Z	-.34	-.34	0	%100
89	M89	X	0	0	0	%100
90	M89	Z	0	0	0	%100
91	M90	X	-.196	-.196	0	%100
92	M90	Z	-.34	-.34	0	%100
93	MP2A	X	-.262	-.262	0	%100
94	MP2A	Z	-.453	-.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
95	MP3A	X	-.262	-.262	0	%100
96	MP3A	Z	-.453	-.453	0	%100
97	MP4A	X	-.262	-.262	0	%100
98	MP4A	Z	-.453	-.453	0	%100
99	MP1C	X	-.262	-.262	0	%100
100	MP1C	Z	-.453	-.453	0	%100
101	MP2C	X	-.262	-.262	0	%100
102	MP2C	Z	-.453	-.453	0	%100
103	MP3C	X	-.262	-.262	0	%100
104	MP3C	Z	-.453	-.453	0	%100
105	MP4C	X	-.262	-.262	0	%100
106	MP4C	Z	-.453	-.453	0	%100
107	MP1B	X	-.262	-.262	0	%100
108	MP1B	Z	-.453	-.453	0	%100
109	MP2B	X	-.262	-.262	0	%100
110	MP2B	Z	-.453	-.453	0	%100
111	MP3B	X	-.262	-.262	0	%100
112	MP3B	Z	-.453	-.453	0	%100
113	MP4B	X	-.262	-.262	0	%100
114	MP4B	Z	-.453	-.453	0	%100
115	M130	X	-.23	-.23	0	%100
116	M130	Z	-.398	-.398	0	%100
117	M131	X	0	0	0	%100
118	M131	Z	0	0	0	%100
119	M132	X	-.23	-.23	0	%100
120	M132	Z	-.398	-.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M51B	Y	-2.457	-5.234	0	.853
2	M51B	Y	-5.234	-6.688	.853	1.706
3	M51B	Y	-6.688	-8.264	1.706	2.558
4	M51B	Y	-8.264	-7.052	2.558	3.411
5	M51B	Y	-7.052	-1.605	3.411	4.264
6	M52B	Y	-2.56	-6.694	0	.853
7	M52B	Y	-6.694	-8.93	.853	1.706
8	M52B	Y	-8.93	-6.07	1.706	2.558
9	M52B	Y	-6.07	-2.874	2.558	3.411
10	M52B	Y	-2.874	-2.536	3.411	4.264
11	M37	Y	-2.457	-5.234	0	.853
12	M37	Y	-5.234	-6.688	.853	1.706
13	M37	Y	-6.688	-8.264	1.706	2.558
14	M37	Y	-8.264	-7.052	2.558	3.411
15	M37	Y	-7.052	-1.605	3.411	4.264
16	M38	Y	-2.56	-6.694	0	.853
17	M38	Y	-6.694	-8.93	.853	1.706
18	M38	Y	-8.93	-6.07	1.706	2.558
19	M38	Y	-6.07	-2.874	2.558	3.411
20	M38	Y	-2.874	-2.536	3.411	4.264
21	M64	Y	-2.533	-2.874	0	.853
22	M64	Y	-2.874	-6.072	.853	1.706
23	M64	Y	-6.072	-8.93	1.706	2.558
24	M64	Y	-8.93	-6.694	2.558	3.411
25	M64	Y	-6.694	-2.559	3.411	4.264
26	M65	Y	-1.604	-7.052	0	.853
27	M65	Y	-7.052	-8.265	.853	1.706

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
28	M65	Y	-8.265	-6.688	1.706	2.558
29	M65	Y	-6.688	-5.235	2.558	3.411
30	M65	Y	-5.235	-2.459	3.411	4.264

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M51B	Y	-5.198	-11.072	0	.853
2	M51B	Y	-11.072	-14.147	.853	1.706
3	M51B	Y	-14.147	-17.483	1.706	2.558
4	M51B	Y	-17.483	-14.919	2.558	3.411
5	M51B	Y	-14.919	-3.395	3.411	4.264
6	M52B	Y	-5.415	-14.161	0	.853
7	M52B	Y	-14.161	-18.889	.853	1.706
8	M52B	Y	-18.889	-12.841	1.706	2.558
9	M52B	Y	-12.841	-6.08	2.558	3.411
10	M52B	Y	-6.08	-5.366	3.411	4.264
11	M37	Y	-5.198	-11.072	0	.853
12	M37	Y	-11.072	-14.147	.853	1.706
13	M37	Y	-14.147	-17.483	1.706	2.558
14	M37	Y	-17.483	-14.919	2.558	3.411
15	M37	Y	-14.919	-3.395	3.411	4.264
16	M38	Y	-5.415	-14.161	0	.853
17	M38	Y	-14.161	-18.889	.853	1.706
18	M38	Y	-18.889	-12.841	1.706	2.558
19	M38	Y	-12.841	-6.08	2.558	3.411
20	M38	Y	-6.08	-5.366	3.411	4.264
21	M64	Y	-5.359	-6.079	0	.853
22	M64	Y	-6.079	-12.844	.853	1.706
23	M64	Y	-12.844	-18.89	1.706	2.558
24	M64	Y	-18.89	-14.159	2.558	3.411
25	M64	Y	-14.159	-5.414	3.411	4.264
26	M65	Y	-3.393	-14.917	0	.853
27	M65	Y	-14.917	-17.483	.853	1.706
28	M65	Y	-17.483	-14.149	1.706	2.558
29	M65	Y	-14.149	-11.073	2.558	3.411
30	M65	Y	-11.073	-5.201	3.411	4.264

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M51B	Y	-.104	-.221	0	.853
2	M51B	Y	-.221	-.283	.853	1.706
3	M51B	Y	-.283	-.35	1.706	2.558
4	M51B	Y	-.35	-.298	2.558	3.411
5	M51B	Y	-.298	-.068	3.411	4.264
6	M52B	Y	-.108	-.283	0	.853
7	M52B	Y	-.283	-.378	.853	1.706
8	M52B	Y	-.378	-.257	1.706	2.558
9	M52B	Y	-.257	-.122	2.558	3.411
10	M52B	Y	-.122	-.107	3.411	4.264
11	M37	Y	-.104	-.221	0	.853
12	M37	Y	-.221	-.283	.853	1.706
13	M37	Y	-.283	-.35	1.706	2.558
14	M37	Y	-.35	-.298	2.558	3.411
15	M37	Y	-.298	-.068	3.411	4.264
16	M38	Y	-.108	-.283	0	.853
17	M38	Y	-.283	-.378	.853	1.706

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
18	M38	Y	-.378	-.257	1.706	2.558
19	M38	Y	-.257	-.122	2.558	3.411
20	M38	Y	-.122	-.107	3.411	4.264
21	M64	Y	-.107	-.122	0	.853
22	M64	Y	-.122	-.257	.853	1.706
23	M64	Y	-.257	-.378	1.706	2.558
24	M64	Y	-.378	-.283	2.558	3.411
25	M64	Y	-.283	-.108	3.411	4.264
26	M65	Y	-.068	-.298	0	.853
27	M65	Y	-.298	-.35	.853	1.706
28	M65	Y	-.35	-.283	1.706	2.558
29	M65	Y	-.283	-.221	2.558	3.411
30	M65	Y	-.221	-.104	3.411	4.264

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M51B	Z	-.259	-.553	0	.853
2	M51B	Z	-.553	-.706	.853	1.706
3	M51B	Z	-.706	-.873	1.706	2.558
4	M51B	Z	-.873	-.745	2.558	3.411
5	M51B	Z	-.745	-.169	3.411	4.264
6	M52B	Z	-.27	-.707	0	.853
7	M52B	Z	-.707	-.943	.853	1.706
8	M52B	Z	-.943	-.641	1.706	2.558
9	M52B	Z	-.641	-.303	2.558	3.411
10	M52B	Z	-.303	-.268	3.411	4.264
11	M37	Z	-.259	-.553	0	.853
12	M37	Z	-.553	-.706	.853	1.706
13	M37	Z	-.706	-.873	1.706	2.558
14	M37	Z	-.873	-.745	2.558	3.411
15	M37	Z	-.745	-.169	3.411	4.264
16	M38	Z	-.27	-.707	0	.853
17	M38	Z	-.707	-.943	.853	1.706
18	M38	Z	-.943	-.641	1.706	2.558
19	M38	Z	-.641	-.303	2.558	3.411
20	M38	Z	-.303	-.268	3.411	4.264
21	M64	Z	-.267	-.303	0	.853
22	M64	Z	-.303	-.641	.853	1.706
23	M64	Z	-.641	-.943	1.706	2.558
24	M64	Z	-.943	-.707	2.558	3.411
25	M64	Z	-.707	-.27	3.411	4.264
26	M65	Z	-.169	-.744	0	.853
27	M65	Z	-.744	-.873	.853	1.706
28	M65	Z	-.873	-.706	1.706	2.558
29	M65	Z	-.706	-.553	2.558	3.411
30	M65	Z	-.553	-.26	3.411	4.264

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M51B	X	.259	.553	0	.853
2	M51B	X	.553	.706	.853	1.706
3	M51B	X	.706	.873	1.706	2.558
4	M51B	X	.873	.745	2.558	3.411
5	M51B	X	.745	.169	3.411	4.264
6	M52B	X	.27	.707	0	.853
7	M52B	X	.707	.943	.853	1.706

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
8	M52B	X	.943	.641	1.706	2.558
9	M52B	X	.641	.303	2.558	3.411
10	M52B	X	.303	.268	3.411	4.264
11	M37	X	.259	.553	0	.853
12	M37	X	.553	.706	.853	1.706
13	M37	X	.706	.873	1.706	2.558
14	M37	X	.873	.745	2.558	3.411
15	M37	X	.745	.169	3.411	4.264
16	M38	X	.27	.707	0	.853
17	M38	X	.707	.943	.853	1.706
18	M38	X	.943	.641	1.706	2.558
19	M38	X	.641	.303	2.558	3.411
20	M38	X	.303	.268	3.411	4.264
21	M64	X	.267	.303	0	.853
22	M64	X	.303	.641	.853	1.706
23	M64	X	.641	.943	1.706	2.558
24	M64	X	.943	.707	2.558	3.411
25	M64	X	.707	.27	3.411	4.264
26	M65	X	.169	.744	0	.853
27	M65	X	.744	.873	.853	1.706
28	M65	X	.873	.706	1.706	2.558
29	M65	X	.706	.553	2.558	3.411
30	M65	X	.553	.26	3.411	4.264

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N41	N40	N55	N54A	Y	Two Way	-.005
2	N70	N69	N68	N67	Y	Two Way	-.005
3	N103	N102A	N101A	N100	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N41	N40	N55	N54A	Y	Two Way	-.011
2	N70	N69	N68	N67	Y	Two Way	-.011
3	N103	N102A	N101A	N100	Y	Two Way	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N41	N40	N55	N54A	Y	Two Way	-.00022
2	N70	N69	N68	N67	Y	Two Way	-.00022
3	N103	N102A	N101A	N100	Y	Two Way	-.00022

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N41	N40	N55	N54A	Z	Two Way	-.000549
2	N70	N69	N68	N67	Z	Two Way	-.000549
3	N103	N102A	N101A	N100	Z	Two Way	-.000549

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N41	N40	N55	N54A	X	Two Way	.000549
2	N70	N69	N68	N67	X	Two Way	.000549
3	N103	N102A	N101A	N100	X	Two Way	.000549

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	N3	max	989.536	10	1001.017	6	6148.5	1	1.086	6	1.285	4	.666	9
2		min	-974.304	4	-466.072	12	-4469.478	7	-.52	12	-1.291	10	-.685	3
3	N183A	max	34.629	10	2879.02	1	1363.3	7	.72	1	.009	4	0	10
4		min	-35.168	4	-1207.722	7	-3225.011	1	-.302	7	-.009	10	0	4
5	N44	max	5188.074	9	984.898	2	2171.507	3	.558	6	1.484	12	.578	9
6		min	-3695.92	3	-426.685	8	-3047.112	9	-.816	12	-1.491	6	-1.114	3
7	N74	max	1122.23	3	2865.216	9	1604.82	9	.144	3	.009	12	.249	3
8		min	-2779.266	9	-1148.27	3	-647.822	3	-.358	9	-.009	6	-.62	9
9	N77	max	4089.281	11	976.924	10	2359.681	11	.704	6	1.023	8	.875	9
10		min	-5568.598	5	-454.248	4	-3198.529	5	-1.007	12	-1.028	2	-.411	3
11	N107	max	2927.587	5	3015.802	5	1690.031	5	.166	11	.009	8	.653	5
12		min	-1298.652	11	-1327.748	11	-749.889	11	-.377	5	-.009	2	-.287	11
13	Totals:	max	5876.192	10	7151.979	24	5846.219	1						
14		min	-5876.191	4	2390.403	69	-5846.208	7						

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

	Member	Shape	Code Check	L...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	PIPE_3.0	.220	6...	10	.151	7.813		8	28250....	65205	5.749	5.749	1...	H1-1b
2	M4	HSS4X4X4	.199	3...	1	.070	5.216	y	11	124204...	139518	16.181	16.181	1...	H1-1b
3	M10	HSS4X4X4	.109	2...	14	.039	.223	z	1	136263...	139518	16.181	16.181	1...	H1-1b
4	MP1A	PIPE_2.0	.673	5...	6	.392	2.25		7	14916....	32130	1.872	1.872	3...	H3-6
5	M43	HSS4X4X4	.133	0	1	.046	2.152	z	1	136263...	139518	16.181	16.181	1...	H1-1b
6	M46	PL1/2x6	.278	....	1	.146	.516	y	11	66009....	97200	1.012	12.15	1...	H1-1b
7	M51B	L2x2x3	.161	4...	1	.012	0	y	17	9408.4...	23392.8	.558	1.071	1...	H2-1
8	M52B	L2x2x3	.154	4...	12	.009	0	y	20	9408.4...	23392.8	.558	1.108	1...	H2-1
9	M76	PL3/8x6	.394	0	4	.198	0	y	6	70647....	72900	.57	9.113	1...	H1-1b
10	M77	PL3/8x6	.278	....	7	.202	0	y	17	71583....	72900	.57	9.113	1...	H1-1b
11	M80	PL1/2x6	.081	....	1	.205	0	y	12	96757....	97200	1.012	12.15	1...	H1-1b
12	M84	PL3/8x6	.351	0	10	.133	0	y	5	70647....	72900	.57	9.113	1...	H1-1b
13	M85	PL3/8x6	.276	....	7	.203	0	y	14	71583....	72900	.57	9.113	1...	H1-1b
14	M91	PL1/2x6	.088	....	1	.132	0	y	2	96757....	97200	1.012	12.15	1...	H1-1b
15	M124	LL2.5x2.5...	.098	0	1	.005	4.414	z	4	44464....	58320	3.954	2.55	1	H1-1b*
16	M29	PIPE_3.0	.222	6...	6	.171	7.813		4	28250....	65205	5.749	5.749	1...	H1-1b
17	M30B	PIPE_3.0	.215	6...	2	.190	7.813		12	28250....	65205	5.749	5.749	1...	H1-1b
18	M33	HSS4X4X4	.196	3...	9	.073	0	z	5	124204...	139518	16.181	16.181	1...	H1-1b
19	M34	HSS4X4X4	.116	2...	22	.040	2.375	y	14	136263...	139518	16.181	16.181	1...	H1-1b
20	M35	HSS4X4X4	.124	0	9	.045	2.152	z	9	136263...	139518	16.181	16.181	1...	H1-1b
21	M36	PL1/2x6	.285	....	7	.155	.516	y	7	66009....	97200	1.012	12.15	1...	H1-1b
22	M37	L2x2x3	.150	4...	9	.012	0	y	13	9408.4...	23392.8	.558	1.071	1...	H2-1
23	M38	L2x2x3	.155	4...	8	.010	0	y	17	9408.4...	23392.8	.558	1.108	1...	H2-1
24	M41	PL3/8x6	.448	0	12	.190	0	y	1	70647....	72900	.57	9.113	1...	H1-1b
25	M42	PL3/8x6	.268	....	3	.220	0	y	13	71583....	72900	.57	9.113	1...	H1-1b
26	M44	PL1/2x6	.081	....	9	.203	0	y	8	96757....	97200	1.012	12.15	1...	H1-1b
27	M46A	PL3/8x6	.403	0	6	.136	0	y	1	70647....	72900	.57	9.113	1...	H1-1b
28	M47	PL3/8x6	.265	....	3	.208	0	y	23	71583....	72900	.57	9.113	1...	H1-1b
29	M49	PL1/2x6	.082	....	9	.158	0	y	46	96757....	97200	1.012	12.15	1...	H1-1b
30	M57	LL2.5x2.5...	.097	0	9	.005	0	z	6	44464....	58320	3.954	2.55	1	H1-1b*
31	M60	HSS4X4X4	.208	3...	5	.071	0	y	12	124204...	139518	16.181	16.181	1...	H1-1b
32	M61	HSS4X4X4	.108	2...	18	.040	.223	z	5	136263...	139518	16.181	16.181	1...	H1-1b
33	M62	HSS4X4X4	.129	0	5	.048	2.152	z	5	136263...	139518	16.181	16.181	1...	H1-1b
34	M63	PL1/2x6	.289	....	5	.139	.516	y	3	66009....	97200	1.012	12.15	1...	H1-1b
35	M64	L2x2x3	.164	4...	5	.011	4.264	y	22	9408.4...	23392.8	.558	1.073	1...	H2-1
36	M65	L2x2x3	.166	4...	5	.010	4.264	y	13	9408.4...	23392.8	.558	1.071	1...	H2-1
37	M68	PL3/8x6	.344	0	8	.193	0	y	10	70647....	72900	.57	9.113	1...	H1-1b

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

	Member	Shape	Code Check	L...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
38	M69	PL3/8x6	.290	....	11	.198	0	y	33	71583....	72900	.57	9.113	1...	H1-1b
39	M71	PL1/2x6	.087	....	5	.204	0	y	4	96757....	97200	1.012	12.15	1...	H1-1b
40	M73	PL3/8x6	.301	0	2	.128	0	y	10	70647....	72900	.57	9.113	1...	H1-1b
41	M74	PL3/8x6	.285	....	11	.194	0	y	18	71583....	72900	.57	9.06	1	H1-1b
42	M76A	PL1/2x6	.090	....	5	.135	0	y	6	96757....	97200	1.012	12.15	1...	H1-1b
43	M84A	LL2.5x2.5...	.102	0	5	.005	0	z	8	44464....	58320	3.954	2.55	1	H1-1b*
44	M87	PIPE_2.0	.654	6...	6	.335	1.693		6	6295.4...	32130	1.872	1.872	1...	H3-6
45	M89	PIPE_2.0	.606	1...	5	.269	1.693		2	6295.4...	32130	1.872	1.872	1...	H1-1b
46	M90	PIPE_2.0	.609	1...	12	.338	1.693		10	6295.4...	32130	1.872	1.872	1...	H1-1b
47	MP2A	PIPE_2.0	.654	5...	4	.292	5.5		6	14916....	32130	1.872	1.872	4...	H1-1b
48	MP3A	PIPE_2.0	.810	5...	11	.244	5.5		11	14916....	32130	1.872	1.872	3...	H1-1b
49	MP4A	PIPE_2.0	.633	5...	10	.412	2.25		7	14916....	32130	1.872	1.872	3...	H1-1b
50	MP1C	PIPE_2.0	.585	5...	12	.361	2.25		3	14916....	32130	1.872	1.872	3...	H1-1b
51	MP2C	PIPE_2.0	.662	5...	6	.236	5.5		2	14916....	32130	1.872	1.872	3...	H1-1b
52	MP3C	PIPE_2.0	.802	5...	6	.247	5.5		6	14916....	32130	1.872	1.872	3...	H1-1b
53	MP4C	PIPE_2.0	.683	5...	4	.389	2.25		3	14916....	32130	1.872	1.872	1...	H3-6
54	MP1B	PIPE_2.0	.626	5...	10	.430	2.25		11	14916....	32130	1.872	1.872	2...	H3-6
55	MP2B	PIPE_2.0	.614	5...	2	.266	2.25		11	14916....	32130	1.872	1.872	3...	H1-1b
56	MP3B	PIPE_2.0	.771	5...	2	.231	5.5		2	14916....	32130	1.872	1.872	3...	H1-1b
57	MP4B	PIPE_2.0	.776	5...	12	.441	2.25		11	14916....	32130	1.872	1.872	2...	H3-6
58	M130	L2.5x2.5x4	.798	1...	11	.183	0	z	4	36946....	38556	1.114	2.537	2...	H2-1
59	M131	L2.5x2.5x4	.893	0	11	.194	.048	z	12	36946....	38556	1.114	2.537	1...	H2-1
60	M132	L2.5x2.5x4	.803	0	7	.160	0	z	8	36946....	38556	1.114	2.537	1...	H2-1

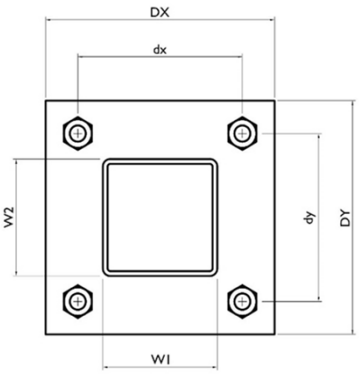
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	Old Lyme		
MDG #:	5000097358		
Fuze ID #:	17123925	Page:	1

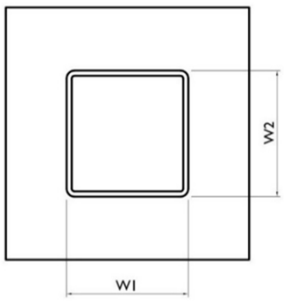
Version 1.01

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)* :	5.75
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	5.75
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.7
Required Shear Strength / bolt (kips):	0.3
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**13.0%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	7.75
Plate Height, D_y (in):	7.75
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):	5.60
Bolt Eccentricity, e (in):	1.47
M_u (kip-in):	3.96
Phi*M_n (kip-in):	25.51
Plate Bending Utilization:	**15.5%**

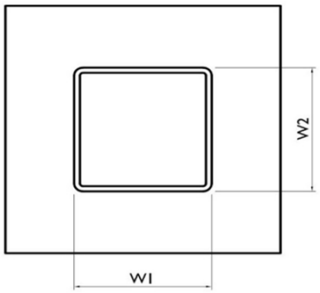


VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	Old Lyme		
PSLC #:	5000097358		
Fuze ID #:	17123925	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):	3
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):	0.91
Weld Capacity (kip/in):	4.18
Weld Utilization:	**21.8%**



Date: **July 31, 2023**

MTS Engineering, P.L.L.C.
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000097358
	Site Name:	Old Lyme RELO 2 CT - A
Crown Castle Designation:	**BU Number:**	876337
	Site Name:	Shoreline Sanitation
	JDE Job Number:	751361
	Work Order Number:	2246241
	Order Number:	654612 Rev. 0
Engineering Firm Designation:	**Project Number:**	85773.010.01.0001
Site Data:	**30 Short Hills Road, Old Lyme, New London County, CT** **Latitude *41° 19' 7.6"*, Longitude *-72° 16' 14.6"*** **180 Foot - Monopole**	

We are pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

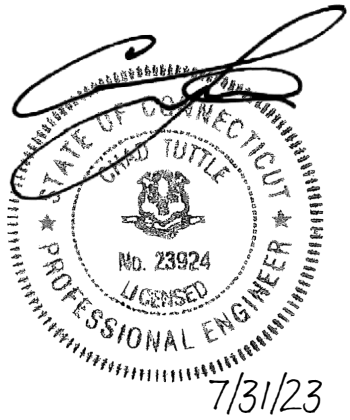
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity - 83.5%**

This analysis utilizes an ultimate 3-second gust wind speed of 126 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: Erika Ruiz

Respectfully submitted by: MTS Engineering, P.L.L.C.
COA: BER:2386985; Expires: 09/22/2023



Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 180 ft Monopole designed by ROHN.

The tower has been modified per reinforcement drawings prepared by B+T Group, in February of 2009. Reinforcement consists of addition of channels between 0'-50' and 60'-110' and bridge stiffeners at 30', 60', 90' and 120'.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	126 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)
159.0	161.0	3	Commscope	CBC78T-DS-43	8	1-5/8
		3	Commscope	JAHH-65B-R3B		
		3	Commscope	JAHH-65B-R3B		
		1	Commscope	LNX-6514DS-A1M		
		2	Commscope	LNX-8514DS-A1M		
		2	Commscope	RC3DC-3315-PF-48		
		1	Kaelus	BSF0020F3V1		
		3	Samsung Telecom	MT6407-77A		
		3	Samsung Telecom	RFV01U-D1A		
		3	Samsung Telecom	RFV01U-D2A		
	159.0	1	--	Platform Mount [LP 303-1_KCKR-HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
177.0	179.0	3	Alcatel Lucent	800MHZ 2X50W RRH W/FILTER	4	1-1/4
		3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ		
		3	Alcatel Lucent	TD-RRH8X20-25		
		3	Alcatel Lucent	TME-PCS 1900MHZ 4X45W-65MHZ		
		3	RFS Celwave	APXVSPP18-C-A20		
		3	RFS Celwave	APXVTM14-C-120		
	177.0	1	--	Platform Mount [LP 502-1]		
136.0	136.0	1	Shively Labs	6812B-1	1	1/2
		1	--	Side Arm Mount [SO 701-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
118.0	121.0	1	Decibel	DB806-XT	1	7/8
	118.0	1	--	Side Arm Mount [SO 701-1]		
101.0	101.0	1	Lucent	KS24019-L112A	1	1/2
		1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	2172538	CCI Sites
Tower Mapping		CCI Sites
Tower Modification Drawing	2434696	CCI Sites
Post Modification Inspection	2434695	CCI Sites
Foundation Mapping	2259251	CCI Sites
Geotech Report	1531891	CCI Sites
Crown CAD Package	Date: 10/08/2021	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

1) The 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. We should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	180 - 175	Pole	TP24x24x0.25	1	-2.913	--	3.1	Pass
L2	175 - 170	Pole	TP24x24x0.25	2	-3.305	--	7.6	Pass
L3	170 - 165	Pole	TP24x24x0.25	3	-3.699	--	12.5	Pass
L4	165 - 160	Pole	TP24x24x0.25	4	-4.109	--	17.7	Pass
L5	160 - 155	Pole	TP24x24x0.25	5	-8.511	--	29.5	Pass
L6	155 - 150	Pole	TP24x24x0.25	6	-8.997	--	40.8	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L7	150 - 145	Pole	TP30x30x0.375	7	-9.801	--	22.0	Pass
L8	145 - 140	Pole	TP30x30x0.375	8	-10.607	--	27.1	Pass
L9	140 - 135	Pole	TP30x30x0.375	9	-11.497	--	32.4	Pass
L10	135 - 130	Pole	TP30x30x0.375	10	-12.313	--	37.8	Pass
L11	130 - 125	Pole	TP30x30x0.375	11	-13.136	--	43.4	Pass
L12	125 - 120	Pole	TP30x30x0.375	12	-13.965	--	49.2	Pass
L13	120 - 115	Pole	TP36x36x0.375	13	-15.026	--	39.4	Pass
L14	115 - 110	Pole	TP36x36x0.375	14	-15.970	--	43.8	Pass
L15	110 - 107.58	Pole	TP36x36x0.375	15	-16.432	--	46.1	Pass
L16	107.58 - 107.33	Pole + Reinf.	TP36x36x0.525	16	-16.500	--	33.1	Pass
L17	107.33 - 102.33	Pole + Reinf.	TP36x36x0.525	17	-17.796	--	36.6	Pass
L18	102.33 - 97.33	Pole + Reinf.	TP36x36x0.525	18	-19.182	--	40.3	Pass
L19	97.33 - 92.33	Pole + Reinf.	TP36x36x0.525	19	-20.493	--	44.1	Pass
L20	92.33 - 90	Pole + Reinf.	TP36x36x0.525	20	-21.106	--	46.0	Pass
L21	90 - 89.75	Pole + Reinf.	TP42x42x0.6125	21	-21.198	--	29.7	Pass
L22	89.75 - 84.75	Pole + Reinf.	TP42x42x0.6125	22	-22.939	--	32.4	Pass
L23	84.75 - 79.75	Pole + Reinf.	TP42x42x0.6125	23	-24.685	--	35.2	Pass
L24	79.75 - 74.75	Pole + Reinf.	TP42x42x0.6125	24	-26.434	--	38.0	Pass
L25	74.75 - 69.75	Pole + Reinf.	TP42x42x0.6125	25	-28.187	--	40.9	Pass
L26	69.75 - 64.75	Pole + Reinf.	TP42x42x0.6125	26	-29.943	--	43.8	Pass
L27	64.75 - 60	Pole + Reinf.	TP42x42x0.6125	27	-31.615	--	46.6	Pass
L28	60 - 59.75	Pole	TP48x48x0.5	28	-31.704	--	43.1	Pass
L29	59.75 - 54.75	Pole	TP48x48x0.5	29	-33.349	--	46.0	Pass
L30	54.75 - 49.75	Pole	TP48x48x0.5	30	-34.999	--	48.9	Pass
L31	49.75 - 46.58	Pole	TP48x48x0.5	31	-36.041	--	50.7	Pass
L32	46.58 - 46.33	Pole + Reinf.	TP48x48x0.675	32	-36.153	--	38.2	Pass
L33	46.33 - 41.33	Pole + Reinf.	TP48x48x0.675	33	-38.311	--	40.5	Pass
L34	41.33 - 36.33	Pole + Reinf.	TP48x48x0.675	34	-40.475	--	42.9	Pass
L35	36.33 - 31.33	Pole + Reinf.	TP48x48x0.675	35	-42.644	--	45.3	Pass
L36	31.33 - 30	Pole + Reinf.	TP48x48x0.675	36	-43.222	--	46.0	Pass
L37	30 - 29.75	Pole + Reinf.	TP48x48x0.7125	37	-43.346	--	43.7	Pass
L38	29.75 - 24.75	Pole + Reinf.	TP48x48x0.7125	38	-45.630	--	46.2	Pass
L39	24.75 - 19.75	Pole + Reinf.	TP48x48x0.7125	39	-47.922	--	48.7	Pass
L40	19.75 - 14.75	Pole + Reinf.	TP48x48x0.7125	40	-50.218	--	51.2	Pass
L41	14.75 - 9.75	Pole + Reinf.	TP48x48x0.7125	41	-52.519	--	53.9	Pass
L42	9.75 - 4.75	Pole + Reinf.	TP48x48x0.7125	42	-54.825	--	56.6	Pass
L43	4.75 - 0	Pole + Reinf.	TP48x48x0.7125	43	-57.019	--	59.2	Pass
							Summary	
						Pole (L43)	59.2	Pass
						Reinforcement	48.6	Pass
						Rating =	59.2	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2,3	Flange Connections	150	14.3	Pass
1,3	Flange Connections	120	45.0	Pass
1,3	Flange Connections	90	62.8	Pass
1,3	Bridge Stiffeners	60	61.0	Pass
1,3	Flange Connections	60	67.0	Pass
1,3	Bridge Stiffeners	30	68.5	Pass
1,3	Flange Connections	30	47.8	Pass
1,3	Anchor Rods	Base	49.9	Pass
1,3	Base Plate	Base	47.4	Pass
1,3	Base Foundation (Structure)	Base	14.3	Pass
1,3	Base Foundation (Soil Interaction)	Base	37.0	Pass
1,3	Concrete Breakout	Base	83.5	Pass

Structure Rating (max from all components) =	**83.5%**

Notes:
1) See additional documentation in “Appendix C - Additional Calculations” for calculations supporting the % capacity consumed.
2) Flange plates are assumed to have the same capacity as their respective shaft.
3) Rating per TIA-222-H Section 15.5.

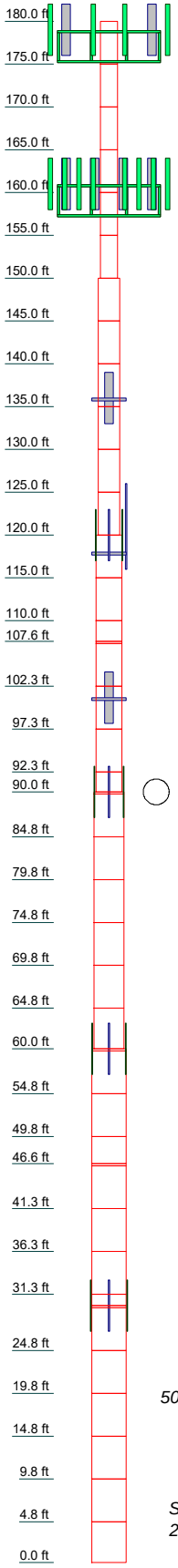
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Size	Length (ft)	Grade	Weight (K)
1	P48x0.625	5.000	A53-B-42	0.3
2	P48x0.625	5.000		0.3
3	P48x0.625	5.000		0.3
4	P48x0.625	5.000		0.3
5	P48x0.625	5.000		0.3
6	P48x0.625	5.000		0.3
7	P48x0.625	5.000		0.6
8	P48x0.625	5.000		0.6
9	P48x0.625	5.000		0.6
10	P48x0.625	5.000		0.6
11	P48x0.625	5.000		0.6
12	P48x0.625	5.000		0.6
13	P48x0.625	5.000		0.7
14	P48x0.625	5.000		0.7
15	P48x0.625	5.000		0.3
16	P48x0.625	5.000		0.0
17	P48x0.625	5.000		1.0
18	P48x0.625	5.000		1.0
19	P48x0.625	5.000		1.0
20	P48x0.625	5.000		0.5
22	P48x0.625	5.000		1.4
23	P48x0.625	5.000		1.4
24	P48x0.625	5.000		1.4
25	P48x0.625	5.000		1.4
26	P48x0.625	5.000		1.4
27	P48x0.625	5.000		1.3
28	P48x0.625	5.000		1.3
29	P48x0.625	5.000		1.3
30	P48x0.625	5.000		1.3
31	P48x0.625	5.000		1.8
33	P48x0.625	5.000		1.7
34	P48x0.625	5.000		1.7
35	P48x0.625	5.000		1.7
36	P48x0.625	5.000		0.5
38	P48x0.625	5.000		1.8
39	P48x0.625	5.000		1.8
40	P48x0.625	5.000		1.8
41	P48x0.625	5.000		1.8
42	P48x0.625	5.000		1.8
43	P48x0.625	4.750		1.7
				38.8



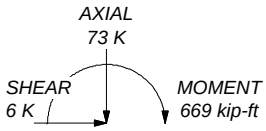
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

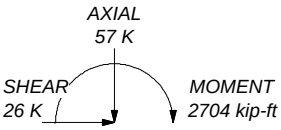
TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 126 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 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 59.2%

ALL REACTIONS ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1.000 in ICE



TORQUE 1 kip-ft
REACTIONS - 126 mph WIND

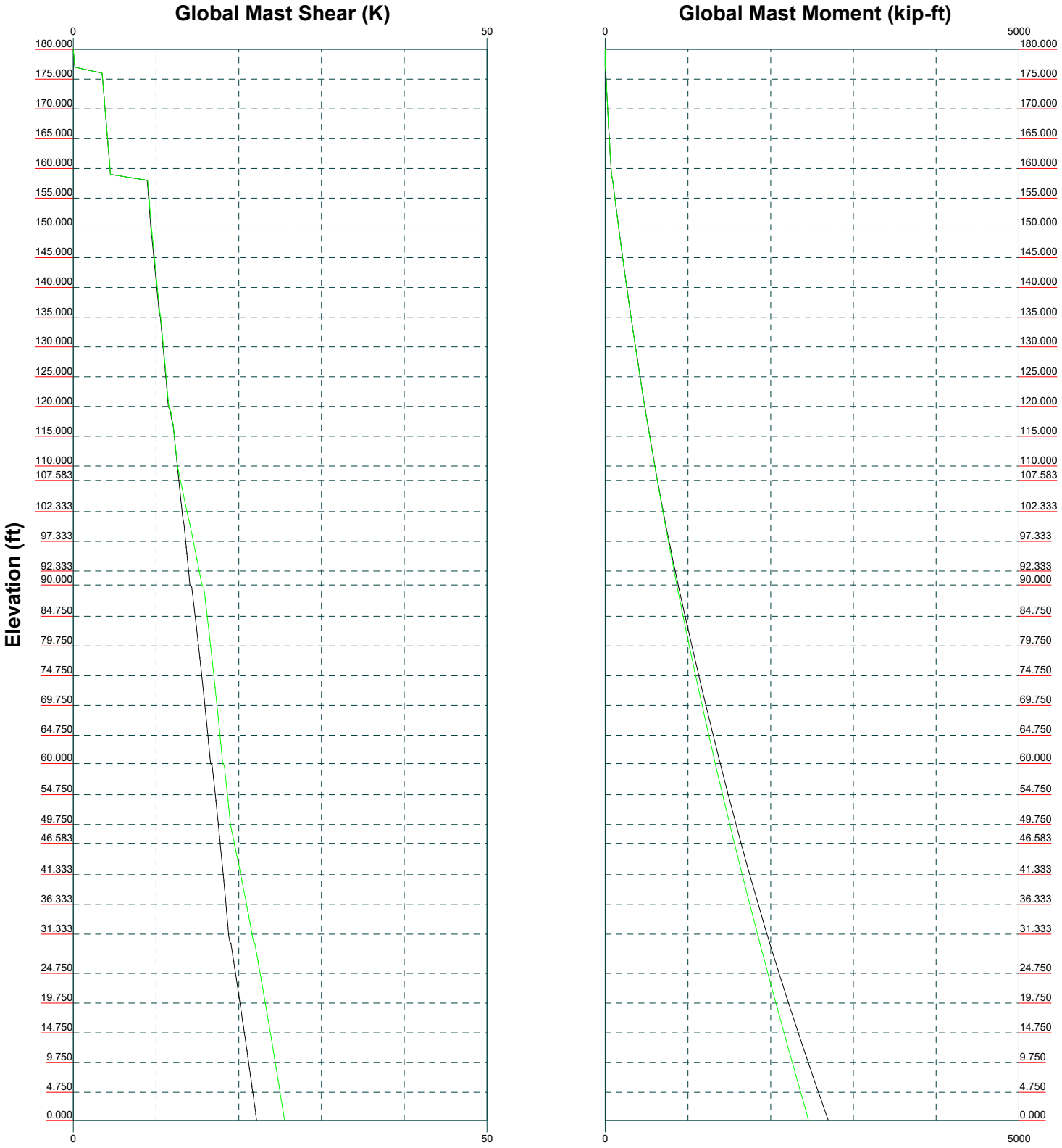
MTS Engineering, P.L.L.C.
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	***85773.010.01.0001 - SHORELINE SANITATION, CT (BU# 87633***		
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 07/29/23	Scale: NTS	
Path: C:\Users\JD Prabhu\Desktop\85773_876337_Shoreline Sanitation\----Jaydev----\Raghu\85773_010_01_0001_CC\pole\Modified.eri		Dwg No. E-1	

TIA-222-H - 126 mph/50 mph 1.000 in Ice Exposure B

Maximum Values

Vx Vz Mx Mz



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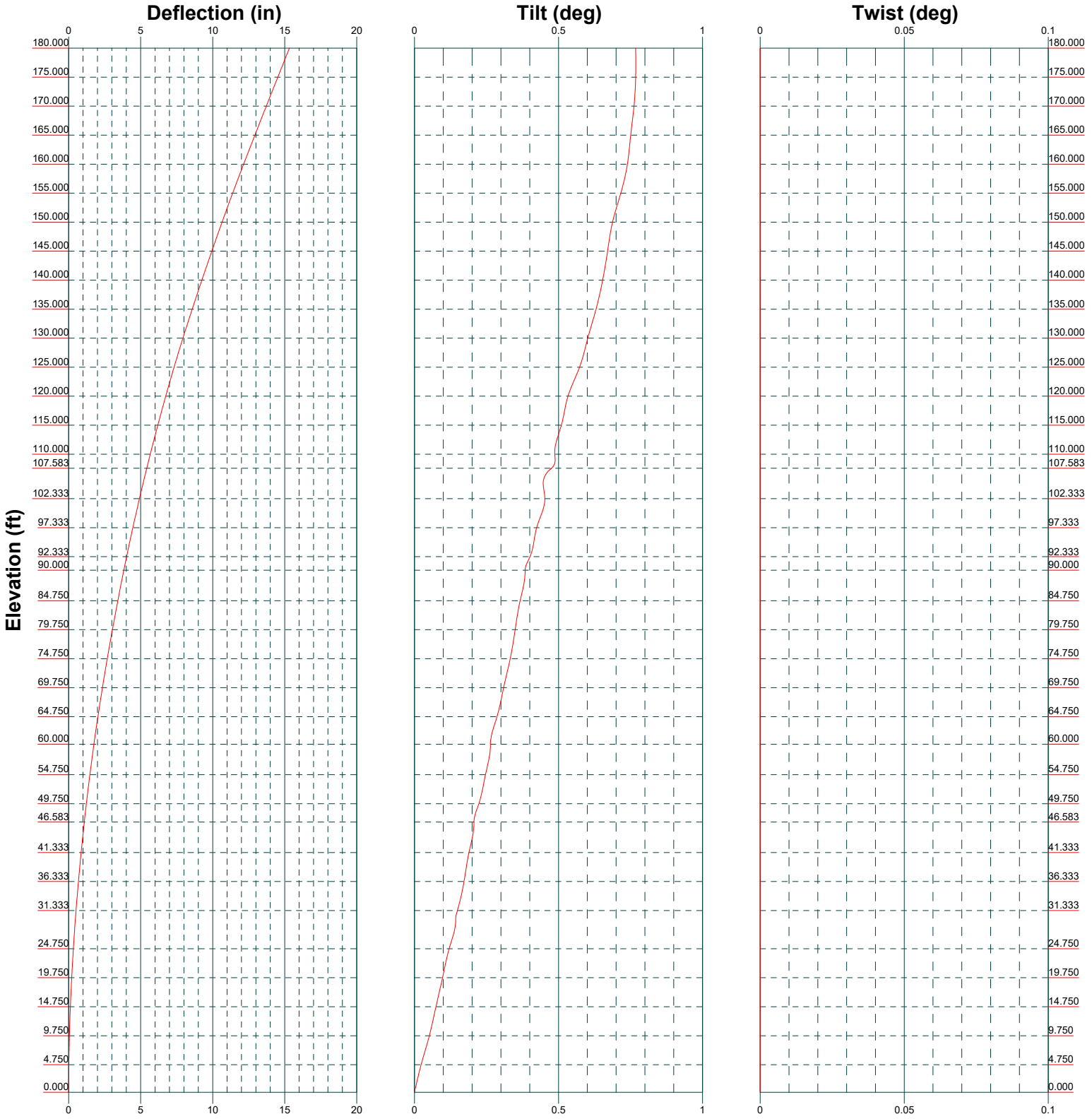
Job: *85773.010.01.0001 - SHORELINE SANITATION, CT (BU# 87633*			
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 07/29/23	Scale: NTS	
Path: C:\Users\JD Prabhu\Desktop\85773_876337_Shoreline Sanitation\----Jaydev----Raghu\85773_010_01_0001_CC\pole\Modified.eri		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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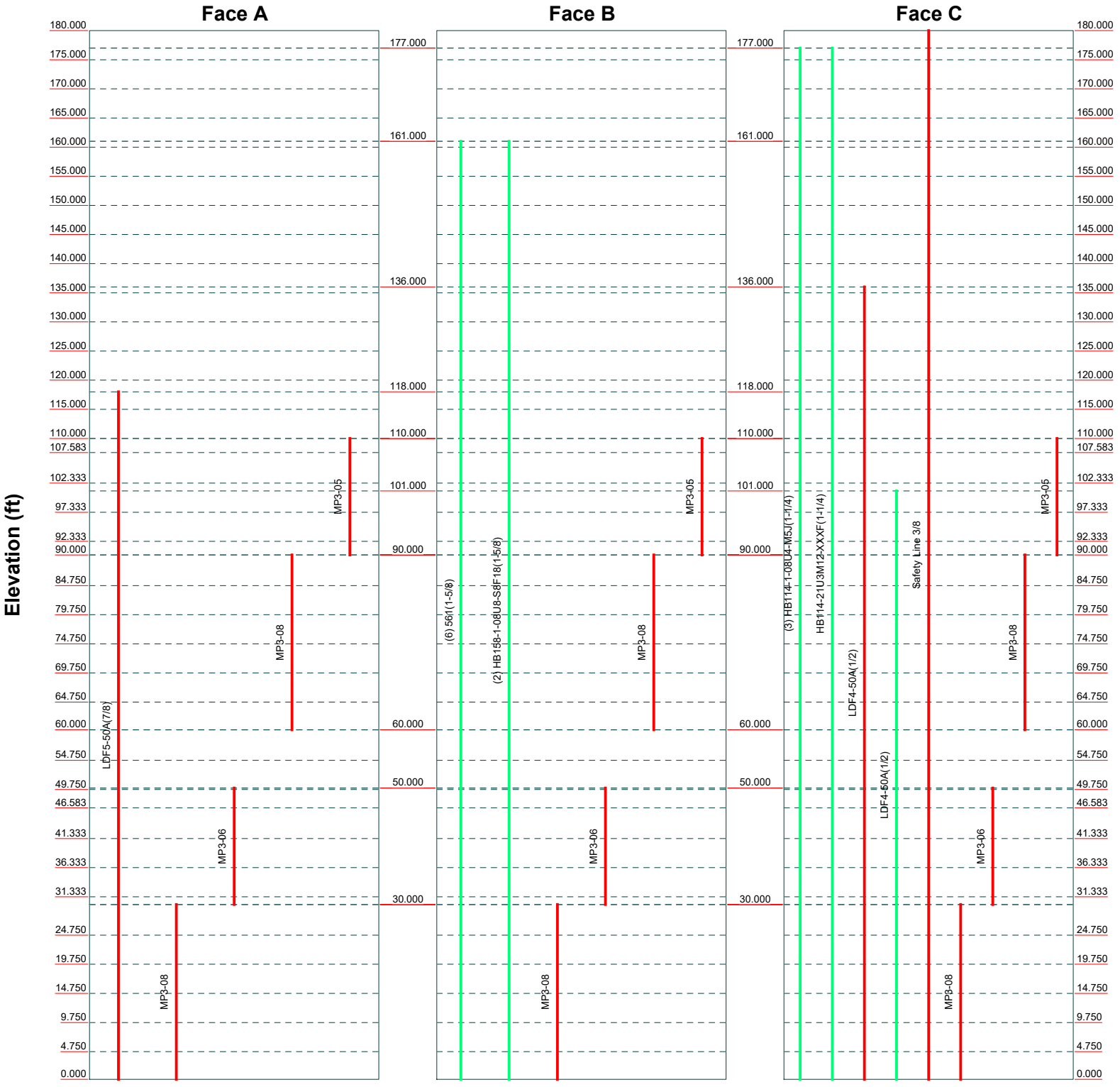
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 07/29/23	Scale: NTS	
Path: C:\Users\JD Prabhu\Desktop\85773_876337_Shoreline Sanitation\----Jaydev----Raghu\85773_010_01_0001_CC\pole\Modified.eri		Dwg No. E-5	

Feed Line Distribution Chart
0' - 180'

Round | Flat | App In Face | App Out Face | Truss Leg



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Job: ***85773.010.01.0001 - SHORELINE SANITATION, CT (BU# 87633***		
Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 07/29/23	Scale: NTS
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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 New London County, Connecticut.
Tower base elevation above sea level: 174.000 ft.
Basic wind speed of 126 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
TOWER RATING: 59.2%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	180.000-175.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L2	175.000-170.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L3	170.000-165.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L4	165.000-160.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L5	160.000-155.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L6	155.000-150.000	5.000	P24x0.25	A53-B-42 (42 ksi)	
L7	150.000-145.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L8	145.000-140.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L9	140.000-135.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L10	135.000-130.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L11	130.000-125.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L12	125.000-120.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L13	120.000-115.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L14	115.000-110.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L15	110.000-107.583	2.417	P36x0.375	A53-B-42 (42 ksi)	
L16	107.583-107.333	0.250	P36x0.525	A53-B-42 (42 ksi)	
L17	107.333-102.333	5.000	P36x0.525	A53-B-42 (42 ksi)	
L18	102.333-97.333	5.000	P36x0.525	A53-B-42 (42 ksi)	
L19	97.333-92.333	5.000	P36x0.525	A53-B-42 (42 ksi)	
L20	92.333-90.000	2.333	P36x0.525	A53-B-42 (42 ksi)	
L21	90.000-89.750	0.250	P42x0.6125	A53-B-42 (42 ksi)	
L22	89.750-84.750	5.000	P42x0.6125	A53-B-42 (42 ksi)	
L23	84.750-79.750	5.000	P42x0.6125	A53-B-42 (42 ksi)	
L24	79.750-74.750	5.000	P42x0.6125	A53-B-42 (42 ksi)	
L25	74.750-69.750	5.000	P42x0.6125	A53-B-42 (42 ksi)	
L26	69.750-64.750	5.000	P42x0.6125	A53-B-42 (42 ksi)	
L27	64.750-60.000	4.750	P42x0.6125	A53-B-42 (42 ksi)	
L28	60.000-59.750	0.250	P48x0.5	A53-B-42 (42 ksi)	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L29	59.750-54.750	5.000	P48x0.5	A53-B-42 (42 ksi)	
L30	54.750-49.750	5.000	P48x0.5	A53-B-42 (42 ksi)	
L31	49.750-46.583	3.167	P48x0.5	A53-B-42 (42 ksi)	
L32	46.583-46.333	0.250	P48x0.675	A53-B-42 (42 ksi)	
L33	46.333-41.333	5.000	P48x0.675	A53-B-42 (42 ksi)	
L34	41.333-36.333	5.000	P48x0.675	A53-B-42 (42 ksi)	
L35	36.333-31.333	5.000	P48x0.675	A53-B-42 (42 ksi)	
L36	31.333-30.000	1.333	P48x0.675	A53-B-42 (42 ksi)	
L37	30.000-29.750	0.250	P48x0.7125	A53-B-42 (42 ksi)	
L38	29.750-24.750	5.000	P48x0.7125	A53-B-42 (42 ksi)	
L39	24.750-19.750	5.000	P48x0.7125	A53-B-42 (42 ksi)	
L40	19.750-14.750	5.000	P48x0.7125	A53-B-42 (42 ksi)	
L41	14.750-9.750	5.000	P48x0.7125	A53-B-42 (42 ksi)	
L42	9.750-4.750	5.000	P48x0.7125	A53-B-42 (42 ksi)	
L43	4.750-0.000	4.750	P48x0.7125	A53-B-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 180.000-175.000				1	1	1			
L2 175.000-170.000				1	1	1			
L3 170.000-165.000				1	1	1			
L4 165.000-160.000				1	1	1			
L5 160.000-155.000				1	1	1			
L6 155.000-150.000				1	1	1			
L7 150.000-145.000				1	1	1			
L8				1	1	1			

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
145.000-140.000									
L9				1	1	1			
140.000-135.000									
L10				1	1	1			
135.000-130.000									
L11				1	1	1			
130.000-125.000									
L12				1	1	1			
125.000-120.000									
L13				1	1	1			
120.000-115.000									
L14				1	1	1			
115.000-110.000									
L15				1	1	1			
110.000-107.583									
L16				1	1	1.007			
107.583-107.333									
L17				1	1	1.007			
107.333-102.333									
L18				1	1	1.007			
102.333-97.333									
L19				1	1	1.007			
97.333-92.333									
L20				1	1	1.007			
92.333-90.000									
L21				1	1	1.00451			
90.000-89.750									
L22				1	1	1.00451			
89.750-84.750									
L23				1	1	1.00451			
84.750-79.750									
L24				1	1	1.00451			
79.750-74.750									
L25				1	1	1.00451			
74.750-69.750									
L26				1	1	1.00451			
69.750-64.750									
L27				1	1	1.00451			
64.750-60.000									
L28				1	1	1			
60.000-59.750									
L29				1	1	1			
59.750-54.750									
L30				1	1	1			
54.750-49.750									
L31				1	1	1			
49.750-46.583									
L32				1	1	0.996678			

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
46.583-46.333									
L33				1	1	0.996678			
46.333-41.333									
L34				1	1	0.996678			
41.333-36.333									
L35				1	1	0.996678			
36.333-31.333									
L36				1	1	0.996678			
31.333-30.000									
L37				1	1	0.997404			
30.000-29.750									
L38				1	1	0.997404			
29.750-24.750									
L39				1	1	0.997404			
24.750-19.750									
L40				1	1	0.997404			
19.750-14.750									
L41				1	1	0.997404			
14.750-9.750									
L42				1	1	0.997404			
9.750-4.750									
L43				1	1	0.997404			
4.750-0.000									

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*										
LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	136.000 - 0.000	1	1	-0.350 -0.330	0.630		0.000
*										
LDF5-50A(7/8)	A	No	Surface Ar (CaAa)	118.000 - 0.000	1	1	-0.120 -0.100	1.090		0.000
*										
Safety Line 3/8	C	No	Surface Ar (CaAa)	180.000 - 0.000	1	1	0.000 0.010	0.375		0.000
*										
MP3-08	A	No	Surface Af (CaAa)	30.000 - 0.000	1	1	0.000 0.000	7.933	21.472	0.000
MP3-08	B	No	Surface Af (CaAa)	30.000 - 0.000	1	1	0.000 0.000	7.933	21.472	0.000
MP3-08	C	No	Surface Af (CaAa)	30.000 - 0.000	1	1	0.000 0.000	7.933	21.472	0.000
*										
MP3-06	A	No	Surface Af (CaAa)	50.000 - 30.000	1	1	0.000 0.000	6.890	18.992	0.000
MP3-06	B	No	Surface Af (CaAa)	50.000 - 30.000	1	1	0.000 0.000	6.890	18.992	0.000
MP3-06	C	No	Surface Af (CaAa)	50.000 - 30.000	1	1	0.000 0.000	6.890	18.992	0.000
*										
MP3-08	A	No	Surface Af	90.000 -	1	1	0.000	0.000	0.000	0.000

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
			(CaAa)	60.000			0.000			
MP3-08	B	No	Surface Af (CaAa)	90.000 - 60.000	1	1	0.000 0.000	0.000	0.000	0.000
MP3-08	C	No	Surface Af (CaAa)	90.000 - 60.000	1	1	0.000 0.000	0.000	0.000	0.000
*										
MP3-05	A	No	Surface Af (CaAa)	110.000 - 90.000	1	1	0.000 0.000	5.330	14.840	0.000
MP3-05	B	No	Surface Af (CaAa)	110.000 - 90.000	1	1	0.000 0.000	5.330	14.840	0.000
MP3-05	C	No	Surface Af (CaAa)	110.000 - 90.000	1	1	0.000 0.000	5.330	14.840	0.000
*										

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 klf
HB114-1-08U4-M5J (1-1/4)	C	No	No	Inside Pole	177.000 - 0.000	3	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	177.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
*									
561(1-5/8)	B	No	No	Inside Pole	161.000 - 0.000	6	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
HB158-1-08U8-S8F18(1-5/8)	B	No	No	Inside Pole	161.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.002 0.002 0.002
*									
LDF4-50A(1/2)	C	No	No	Inside Pole	101.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	180.000-175.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.010
L2	175.000-170.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.023
L3	170.000-165.000	A	0.000	0.000	0.000	0.000	0.000

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
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.023
L4	165.000-160.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.012
		C	0.000	0.000	0.188	0.000	0.023
L5	160.000-155.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.188	0.000	0.023
L6	155.000-150.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.188	0.000	0.023
L7	150.000-145.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.188	0.000	0.023
L8	145.000-140.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.188	0.000	0.023
L9	140.000-135.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.251	0.000	0.024
L10	135.000-130.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.024
L11	130.000-125.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.024
L12	125.000-120.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.024
L13	120.000-115.000	A	0.000	0.000	0.327	0.000	0.001
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.024
L14	115.000-110.000	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.024
L15	110.000-107.583	A	0.000	0.000	2.411	0.000	0.001
		B	0.000	0.000	2.147	0.000	0.028
		C	0.000	0.000	2.390	0.000	0.012
L16	107.583-107.333	A	0.000	0.000	0.249	0.000	0.000
		B	0.000	0.000	0.222	0.000	0.003
		C	0.000	0.000	0.247	0.000	0.001
L17	107.333-102.333	A	0.000	0.000	4.987	0.000	0.002
		B	0.000	0.000	4.442	0.000	0.058
		C	0.000	0.000	4.944	0.000	0.024
L18	102.333-97.333	A	0.000	0.000	4.987	0.000	0.002
		B	0.000	0.000	4.442	0.000	0.058
		C	0.000	0.000	4.944	0.000	0.025
L19	97.333-92.333	A	0.000	0.000	4.987	0.000	0.002
		B	0.000	0.000	4.442	0.000	0.058
		C	0.000	0.000	4.944	0.000	0.025
L20	92.333-90.000	A	0.000	0.000	2.327	0.000	0.001
		B	0.000	0.000	2.072	0.000	0.027
		C	0.000	0.000	2.307	0.000	0.012
L21	90.000-89.750	A	0.000	0.000	0.027	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.003
		C	0.000	0.000	0.025	0.000	0.001
L22	89.750-84.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.503	0.000	0.025
L23	84.750-79.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058

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
		C	0.000	0.000	0.503	0.000	0.025
L24	79.750-74.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.503	0.000	0.025
L25	74.750-69.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.503	0.000	0.025
L26	69.750-64.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.503	0.000	0.025
L27	64.750-60.000	A	0.000	0.000	0.518	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.055
		C	0.000	0.000	0.477	0.000	0.024
L28	60.000-59.750	A	0.000	0.000	0.027	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.003
		C	0.000	0.000	0.025	0.000	0.001
L29	59.750-54.750	A	0.000	0.000	0.545	0.000	0.002
		B	0.000	0.000	0.000	0.000	0.058
		C	0.000	0.000	0.502	0.000	0.025
L30	54.750-49.750	A	0.000	0.000	0.832	0.000	0.002
		B	0.000	0.000	0.287	0.000	0.058
		C	0.000	0.000	0.790	0.000	0.025
L31	49.750-46.583	A	0.000	0.000	3.982	0.000	0.001
		B	0.000	0.000	3.637	0.000	0.036
		C	0.000	0.000	3.955	0.000	0.016
L32	46.583-46.333	A	0.000	0.000	0.314	0.000	0.000
		B	0.000	0.000	0.287	0.000	0.003
		C	0.000	0.000	0.312	0.000	0.001
L33	46.333-41.333	A	0.000	0.000	6.287	0.000	0.002
		B	0.000	0.000	5.742	0.000	0.058
		C	0.000	0.000	6.244	0.000	0.025
L34	41.333-36.333	A	0.000	0.000	6.287	0.000	0.002
		B	0.000	0.000	5.742	0.000	0.058
		C	0.000	0.000	6.244	0.000	0.025
L35	36.333-31.333	A	0.000	0.000	6.287	0.000	0.002
		B	0.000	0.000	5.742	0.000	0.058
		C	0.000	0.000	6.244	0.000	0.025
L36	31.333-30.000	A	0.000	0.000	1.676	0.000	0.000
		B	0.000	0.000	1.531	0.000	0.015
		C	0.000	0.000	1.665	0.000	0.007
L37	30.000-29.750	A	0.000	0.000	0.358	0.000	0.000
		B	0.000	0.000	0.331	0.000	0.003
		C	0.000	0.000	0.356	0.000	0.001
L38	29.750-24.750	A	0.000	0.000	7.156	0.000	0.002
		B	0.000	0.000	6.611	0.000	0.058
		C	0.000	0.000	7.113	0.000	0.025
L39	24.750-19.750	A	0.000	0.000	7.156	0.000	0.002
		B	0.000	0.000	6.611	0.000	0.058
		C	0.000	0.000	7.113	0.000	0.025
L40	19.750-14.750	A	0.000	0.000	7.156	0.000	0.002
		B	0.000	0.000	6.611	0.000	0.058
		C	0.000	0.000	7.113	0.000	0.025
L41	14.750-9.750	A	0.000	0.000	7.156	0.000	0.002
		B	0.000	0.000	6.611	0.000	0.058
		C	0.000	0.000	7.113	0.000	0.025
L42	9.750-4.750	A	0.000	0.000	7.156	0.000	0.002
		B	0.000	0.000	6.611	0.000	0.058
		C	0.000	0.000	7.113	0.000	0.025
L43	4.750-0.000	A	0.000	0.000	6.798	0.000	0.002
		B	0.000	0.000	6.280	0.000	0.055
		C	0.000	0.000	6.758	0.000	0.024

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	180.000-175.000	A	1.006	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.193	0.000	0.019
L2	175.000-170.000	A	1.003	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.190	0.000	0.032
L3	170.000-165.000	A	1.000	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.187	0.000	0.032
L4	165.000-160.000	A	0.997	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.012
		C		0.000	0.000	1.184	0.000	0.032
L5	160.000-155.000	A	0.994	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	1.181	0.000	0.032
L6	155.000-150.000	A	0.991	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	1.178	0.000	0.032
L7	150.000-145.000	A	0.987	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	1.175	0.000	0.032
L8	145.000-140.000	A	0.984	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	1.171	0.000	0.032
L9	140.000-135.000	A	0.980	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	1.427	0.000	0.034
L10	135.000-130.000	A	0.977	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.456	0.000	0.042
L11	130.000-125.000	A	0.973	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.449	0.000	0.042
L12	125.000-120.000	A	0.969	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.441	0.000	0.042
L13	120.000-115.000	A	0.965	0.000	0.000	0.906	0.000	0.008
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.433	0.000	0.041
L14	115.000-110.000	A	0.961	0.000	0.000	1.506	0.000	0.014
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.424	0.000	0.041
L15	110.000-107.583	A	0.958	0.000	0.000	3.336	0.000	0.023
		B		0.000	0.000	2.610	0.000	0.044
		C		0.000	0.000	3.779	0.000	0.037
L16	107.583-107.333	A	0.957	0.000	0.000	0.345	0.000	0.002
		B		0.000	0.000	0.270	0.000	0.005
		C		0.000	0.000	0.391	0.000	0.004
L17	107.333-102.333	A	0.954	0.000	0.000	6.895	0.000	0.048
		B		0.000	0.000	5.396	0.000	0.092
		C		0.000	0.000	7.807	0.000	0.075
L18	102.333-97.333	A	0.949	0.000	0.000	6.886	0.000	0.048
		B		0.000	0.000	5.391	0.000	0.092
		C		0.000	0.000	7.793	0.000	0.076
L19	97.333-92.333	A	0.945	0.000	0.000	6.876	0.000	0.047

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	5.386	0.000	0.091
		C		0.000	0.000	7.778	0.000	0.075
L20	92.333-90.000	A	0.941	0.000	0.000	3.205	0.000	0.022
		B		0.000	0.000	2.512	0.000	0.043
		C		0.000	0.000	3.624	0.000	0.035
L21	90.000-89.750	A	0.940	0.000	0.000	0.121	0.000	0.001
		B		0.000	0.000	0.047	0.000	0.003
		C		0.000	0.000	0.166	0.000	0.002
L22	89.750-84.750	A	0.937	0.000	0.000	2.419	0.000	0.020
		B		0.000	0.000	0.937	0.000	0.064
		C		0.000	0.000	3.313	0.000	0.048
L23	84.750-79.750	A	0.931	0.000	0.000	2.408	0.000	0.020
		B		0.000	0.000	0.931	0.000	0.064
		C		0.000	0.000	3.296	0.000	0.048
L24	79.750-74.750	A	0.925	0.000	0.000	2.396	0.000	0.019
		B		0.000	0.000	0.926	0.000	0.064
		C		0.000	0.000	3.279	0.000	0.047
L25	74.750-69.750	A	0.919	0.000	0.000	2.384	0.000	0.019
		B		0.000	0.000	0.919	0.000	0.064
		C		0.000	0.000	3.260	0.000	0.047
L26	69.750-64.750	A	0.913	0.000	0.000	2.371	0.000	0.019
		B		0.000	0.000	0.913	0.000	0.064
		C		0.000	0.000	3.241	0.000	0.047
L27	64.750-60.000	A	0.906	0.000	0.000	2.239	0.000	0.018
		B		0.000	0.000	0.861	0.000	0.060
		C		0.000	0.000	3.059	0.000	0.044
L28	60.000-59.750	A	0.902	0.000	0.000	0.072	0.000	0.001
		B		0.000	0.000	0.000	0.000	0.003
		C		0.000	0.000	0.115	0.000	0.002
L29	59.750-54.750	A	0.898	0.000	0.000	1.443	0.000	0.013
		B		0.000	0.000	0.000	0.000	0.058
		C		0.000	0.000	2.299	0.000	0.040
L30	54.750-49.750	A	0.890	0.000	0.000	1.767	0.000	0.014
		B		0.000	0.000	0.332	0.000	0.059
		C		0.000	0.000	2.614	0.000	0.042
L31	49.750-46.583	A	0.883	0.000	0.000	5.100	0.000	0.032
		B		0.000	0.000	4.196	0.000	0.061
		C		0.000	0.000	5.632	0.000	0.050
L32	46.583-46.333	A	0.880	0.000	0.000	0.402	0.000	0.003
		B		0.000	0.000	0.331	0.000	0.005
		C		0.000	0.000	0.444	0.000	0.004
L33	46.333-41.333	A	0.874	0.000	0.000	8.036	0.000	0.050
		B		0.000	0.000	6.616	0.000	0.095
		C		0.000	0.000	8.868	0.000	0.078
L34	41.333-36.333	A	0.864	0.000	0.000	8.015	0.000	0.049
		B		0.000	0.000	6.606	0.000	0.095
		C		0.000	0.000	8.836	0.000	0.077
L35	36.333-31.333	A	0.852	0.000	0.000	7.991	0.000	0.049
		B		0.000	0.000	6.594	0.000	0.094
		C		0.000	0.000	8.801	0.000	0.076
L36	31.333-30.000	A	0.844	0.000	0.000	2.126	0.000	0.013
		B		0.000	0.000	1.756	0.000	0.025
		C		0.000	0.000	2.340	0.000	0.020
L37	30.000-29.750	A	0.842	0.000	0.000	0.442	0.000	0.003
		B		0.000	0.000	0.373	0.000	0.005
		C		0.000	0.000	0.482	0.000	0.004
L38	29.750-24.750	A	0.834	0.000	0.000	8.824	0.000	0.051
		B		0.000	0.000	7.445	0.000	0.097
		C		0.000	0.000	9.615	0.000	0.078
L39	24.750-19.750	A	0.817	0.000	0.000	8.790	0.000	0.050
		B		0.000	0.000	7.428	0.000	0.097

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
		C		0.000	0.000	9.565	0.000	0.077
L40	19.750-14.750	A	0.797	0.000	0.000	8.749	0.000	0.049
		B		0.000	0.000	7.407	0.000	0.095
		C		0.000	0.000	9.503	0.000	0.075
L41	14.750-9.750	A	0.770	0.000	0.000	8.695	0.000	0.047
		B		0.000	0.000	7.381	0.000	0.094
		C		0.000	0.000	9.423	0.000	0.073
L42	9.750-4.750	A	0.730	0.000	0.000	8.617	0.000	0.044
		B		0.000	0.000	7.341	0.000	0.092
		C		0.000	0.000	9.305	0.000	0.070
L43	4.750-0.000	A	0.653	0.000	0.000	8.039	0.000	0.037
		B		0.000	0.000	6.901	0.000	0.084
		C		0.000	0.000	8.620	0.000	0.061

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	180.000-175.000	-0.004	0.369	-0.011	1.024
L2	175.000-170.000	-0.004	0.369	-0.011	1.022
L3	170.000-165.000	-0.004	0.369	-0.011	1.020
L4	165.000-160.000	-0.004	0.369	-0.011	1.018
L5	160.000-155.000	-0.004	0.369	-0.011	1.016
L6	155.000-150.000	-0.004	0.369	-0.011	1.013
L7	150.000-145.000	-0.004	0.370	-0.011	1.040
L8	145.000-140.000	-0.004	0.370	-0.011	1.037
L9	140.000-135.000	0.077	0.462	0.138	1.191
L10	135.000-130.000	0.390	0.812	0.691	1.772
L11	130.000-125.000	0.390	0.812	0.690	1.767
L12	125.000-120.000	0.390	0.812	0.688	1.763
L13	120.000-115.000	-0.211	0.613	-0.044	1.518
L14	115.000-110.000	-0.591	0.483	-0.510	1.333
L15	110.000-107.583	-0.254	0.208	-0.299	0.778
L16	107.583-107.333	-0.254	0.208	-0.298	0.778
L17	107.333-102.333	-0.254	0.208	-0.298	0.776
L18	102.333-97.333	-0.254	0.208	-0.298	0.774
L19	97.333-92.333	-0.254	0.208	-0.297	0.771
L20	92.333-90.000	-0.254	0.208	-0.297	0.769
L21	90.000-89.750	-0.597	0.490	-0.468	1.218
L22	89.750-84.750	-0.597	0.490	-0.468	1.216
L23	84.750-79.750	-0.597	0.490	-0.467	1.212
L24	79.750-74.750	-0.597	0.490	-0.466	1.207
L25	74.750-69.750	-0.597	0.490	-0.465	1.202
L26	69.750-64.750	-0.597	0.490	-0.465	1.197
L27	64.750-60.000	-0.597	0.490	-0.464	1.192
L28	60.000-59.750	-0.602	0.496	-0.521	1.343
L29	59.750-54.750	-0.602	0.496	-0.521	1.339
L30	54.750-49.750	-0.564	0.465	-0.502	1.286
L31	49.750-46.583	-0.259	0.214	-0.305	0.780
L32	46.583-46.333	-0.259	0.214	-0.305	0.778
L33	46.333-41.333	-0.259	0.214	-0.304	0.775
L34	41.333-36.333	-0.259	0.214	-0.303	0.769
L35	36.333-31.333	-0.259	0.214	-0.302	0.761
L36	31.333-30.000	-0.259	0.214	-0.301	0.756
L37	30.000-29.750	-0.239	0.197	-0.285	0.716
L38	29.750-24.750	-0.239	0.197	-0.284	0.711

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L39	24.750-19.750	-0.239	0.197	-0.282	0.701
L40	19.750-14.750	-0.239	0.197	-0.280	0.689
L41	14.750-9.750	-0.239	0.197	-0.277	0.672
L42	9.750-4.750	-0.239	0.197	-0.272	0.648
L43	4.750-0.000	-0.239	0.197	-0.263	0.600

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	13	Safety Line 3/8	175.00 - 180.00	1.0000	1.0000
L2	13	Safety Line 3/8	170.00 - 175.00	1.0000	1.0000
L3	13	Safety Line 3/8	165.00 - 170.00	1.0000	1.0000
L4	13	Safety Line 3/8	160.00 - 165.00	1.0000	1.0000
L5	13	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L6	13	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L7	13	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L8	13	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L9	7	LDF4-50A(1/2)	135.00 - 136.00	1.0000	1.0000
L9	13	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L10	7	LDF4-50A(1/2)	130.00 - 135.00	1.0000	1.0000
L10	13	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L11	7	LDF4-50A(1/2)	125.00 - 130.00	1.0000	1.0000
L11	13	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L12	7	LDF4-50A(1/2)	120.00 - 125.00	1.0000	1.0000
L12	13	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L13	7	LDF4-50A(1/2)	115.00 - 120.00	1.0000	1.0000
L13	9	LDF5-50A(7/8)	115.00 - 118.00	1.0000	1.0000
L13	13	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L14	7	LDF4-50A(1/2)	110.00 - 115.00	1.0000	1.0000
L14	9	LDF5-50A(7/8)	110.00 - 115.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L14	13	Safety Line 3/8	110.00 - 115.00	1.0000	1.0000
L15	7	LDF4-50A(1/2)	107.58 - 110.00	1.0000	1.0000
L15	9	LDF5-50A(7/8)	107.58 - 110.00	1.0000	1.0000
L15	13	Safety Line 3/8	107.58 - 110.00	1.0000	1.0000
L15	27	MP3-05	107.58 - 110.00	1.0000	1.0000
L15	28	MP3-05	107.58 - 110.00	1.0000	1.0000
L15	29	MP3-05	107.58 - 110.00	1.0000	1.0000
L16	7	LDF4-50A(1/2)	107.33 - 107.58	1.0000	1.0000
L16	9	LDF5-50A(7/8)	107.33 - 107.58	1.0000	1.0000
L16	13	Safety Line 3/8	107.33 - 107.58	1.0000	1.0000
L16	27	MP3-05	107.33 - 107.58	1.0000	1.0000
L16	28	MP3-05	107.33 - 107.58	1.0000	1.0000
L16	29	MP3-05	107.33 - 107.58	1.0000	1.0000
L17	7	LDF4-50A(1/2)	102.33 - 107.33	1.0000	1.0000
L17	9	LDF5-50A(7/8)	102.33 - 107.33	1.0000	1.0000
L17	13	Safety Line 3/8	102.33 - 107.33	1.0000	1.0000
L17	27	MP3-05	102.33 - 107.33	1.0000	1.0000
L17	28	MP3-05	102.33 - 107.33	1.0000	1.0000
L17	29	MP3-05	102.33 - 107.33	1.0000	1.0000
L18	7	LDF4-50A(1/2)	97.33 - 102.33	1.0000	1.0000
L18	9	LDF5-50A(7/8)	97.33 - 102.33	1.0000	1.0000
L18	13	Safety Line 3/8	97.33 - 102.33	1.0000	1.0000
L18	27	MP3-05	97.33 - 102.33	1.0000	1.0000
L18	28	MP3-05	97.33 - 102.33	1.0000	1.0000
L18	29	MP3-05	97.33 - 102.33	1.0000	1.0000
L19	7	LDF4-50A(1/2)	92.33 - 97.33	1.0000	1.0000
L19	9	LDF5-50A(7/8)	92.33 - 97.33	1.0000	1.0000
L19	13	Safety Line 3/8	92.33 - 97.33	1.0000	1.0000
L19	27	MP3-05	92.33 - 97.33	1.0000	1.0000
L19	28	MP3-05	92.33 - 97.33	1.0000	1.0000
L19	29	MP3-05	92.33 - 97.33	1.0000	1.0000
L20	7	LDF4-50A(1/2)	90.00 - 92.33	1.0000	1.0000
L20	9	LDF5-50A(7/8)	90.00 - 92.33	1.0000	1.0000
L20	13	Safety Line 3/8	90.00 - 92.33	1.0000	1.0000
L20	27	MP3-05	90.00 - 92.33	1.0000	1.0000
L20	28	MP3-05	90.00 - 92.33	1.0000	1.0000
L20	29	MP3-05	90.00 - 92.33	1.0000	1.0000
L21	7	LDF4-50A(1/2)	89.75 - 90.00	1.0000	1.0000
L21	9	LDF5-50A(7/8)	89.75 - 90.00	1.0000	1.0000
L21	13	Safety Line 3/8	89.75 - 90.00	1.0000	1.0000
L21	23	MP3-08	89.75 - 90.00	1.0000	1.0000
L21	24	MP3-08	89.75 - 90.00	1.0000	1.0000
L21	25	MP3-08	89.75 - 90.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	7	LDF4-50A(1/2)	84.75 - 89.75	1.0000	1.0000
L22	9	LDF5-50A(7/8)	84.75 - 89.75	1.0000	1.0000
L22	13	Safety Line 3/8	84.75 - 89.75	1.0000	1.0000
L22	23	MP3-08	84.75 - 89.75	1.0000	1.0000
L22	24	MP3-08	84.75 - 89.75	1.0000	1.0000
L22	25	MP3-08	84.75 - 89.75	1.0000	1.0000
L23	7	LDF4-50A(1/2)	79.75 - 84.75	1.0000	1.0000
L23	9	LDF5-50A(7/8)	79.75 - 84.75	1.0000	1.0000
L23	13	Safety Line 3/8	79.75 - 84.75	1.0000	1.0000
L23	23	MP3-08	79.75 - 84.75	1.0000	1.0000
L23	24	MP3-08	79.75 - 84.75	1.0000	1.0000
L23	25	MP3-08	79.75 - 84.75	1.0000	1.0000
L24	7	LDF4-50A(1/2)	74.75 - 79.75	1.0000	1.0000
L24	9	LDF5-50A(7/8)	74.75 - 79.75	1.0000	1.0000
L24	13	Safety Line 3/8	74.75 - 79.75	1.0000	1.0000
L24	23	MP3-08	74.75 - 79.75	1.0000	1.0000
L24	24	MP3-08	74.75 - 79.75	1.0000	1.0000
L24	25	MP3-08	74.75 - 79.75	1.0000	1.0000
L25	7	LDF4-50A(1/2)	69.75 - 74.75	1.0000	1.0000
L25	9	LDF5-50A(7/8)	69.75 - 74.75	1.0000	1.0000
L25	13	Safety Line 3/8	69.75 - 74.75	1.0000	1.0000
L25	23	MP3-08	69.75 - 74.75	1.0000	1.0000
L25	24	MP3-08	69.75 - 74.75	1.0000	1.0000
L25	25	MP3-08	69.75 - 74.75	1.0000	1.0000
L26	7	LDF4-50A(1/2)	64.75 - 69.75	1.0000	1.0000
L26	9	LDF5-50A(7/8)	64.75 - 69.75	1.0000	1.0000
L26	13	Safety Line 3/8	64.75 - 69.75	1.0000	1.0000
L26	23	MP3-08	64.75 - 69.75	1.0000	1.0000
L26	24	MP3-08	64.75 - 69.75	1.0000	1.0000
L26	25	MP3-08	64.75 - 69.75	1.0000	1.0000
L27	7	LDF4-50A(1/2)	60.00 - 64.75	1.0000	1.0000
L27	9	LDF5-50A(7/8)	60.00 - 64.75	1.0000	1.0000
L27	13	Safety Line 3/8	60.00 - 64.75	1.0000	1.0000
L27	23	MP3-08	60.00 - 64.75	1.0000	1.0000
L27	24	MP3-08	60.00 - 64.75	1.0000	1.0000
L27	25	MP3-08	60.00 - 64.75	1.0000	1.0000
L28	7	LDF4-50A(1/2)	59.75 - 60.00	1.0000	1.0000
L28	9	LDF5-50A(7/8)	59.75 - 60.00	1.0000	1.0000
L28	13	Safety Line 3/8	59.75 - 60.00	1.0000	1.0000
L29	7	LDF4-50A(1/2)	54.75 - 59.75	1.0000	1.0000
L29	9	LDF5-50A(7/8)	54.75 - 59.75	1.0000	1.0000
L29	13	Safety Line 3/8	54.75 - 59.75	1.0000	1.0000
L30	7	LDF4-50A(1/2)	49.75 - 54.75	1.0000	1.0000
L30	9	LDF5-50A(7/8)	49.75 - 54.75	1.0000	1.0000
L30	13	Safety Line 3/8	49.75 - 54.75	1.0000	1.0000
L30	19	MP3-06	49.75 - 50.00	1.0000	1.0000
L30	20	MP3-06	49.75 - 50.00	1.0000	1.0000
L30	21	MP3-06	49.75 - 50.00	1.0000	1.0000
L31	7	LDF4-50A(1/2)	46.58 - 49.75	1.0000	1.0000
L31	9	LDF5-50A(7/8)	46.58 - 49.75	1.0000	1.0000
L31	13	Safety Line 3/8	46.58 - 49.75	1.0000	1.0000
L31	19	MP3-06	46.58 - 49.75	1.0000	1.0000
L31	20	MP3-06	46.58 - 49.75	1.0000	1.0000
L31	21	MP3-06	46.58 - 49.75	1.0000	1.0000
L32	7	LDF4-50A(1/2)	46.33 - 46.58	1.0000	1.0000
L32	9	LDF5-50A(7/8)	46.33 - 46.58	1.0000	1.0000
L32	13	Safety Line 3/8	46.33 - 46.58	1.0000	1.0000
L32	19	MP3-06	46.33 - 46.58	1.0000	1.0000
L32	20	MP3-06	46.33 - 46.58	1.0000	1.0000
L32	21	MP3-06	46.33 - 46.58	1.0000	1.0000
L33	7	LDF4-50A(1/2)	41.33 - 46.33	1.0000	1.0000
L33	9	LDF5-50A(7/8)	41.33 - 46.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	13	Safety Line 3/8	41.33 - 46.33	1.0000	1.0000
L33	19	MP3-06	41.33 - 46.33	1.0000	1.0000
L33	20	MP3-06	41.33 - 46.33	1.0000	1.0000
L33	21	MP3-06	41.33 - 46.33	1.0000	1.0000
L34	7	LDF4-50A(1/2)	36.33 - 41.33	1.0000	1.0000
L34	9	LDF5-50A(7/8)	36.33 - 41.33	1.0000	1.0000
L34	13	Safety Line 3/8	36.33 - 41.33	1.0000	1.0000
L34	19	MP3-06	36.33 - 41.33	1.0000	1.0000
L34	20	MP3-06	36.33 - 41.33	1.0000	1.0000
L34	21	MP3-06	36.33 - 41.33	1.0000	1.0000
L35	7	LDF4-50A(1/2)	31.33 - 36.33	1.0000	1.0000
L35	9	LDF5-50A(7/8)	31.33 - 36.33	1.0000	1.0000
L35	13	Safety Line 3/8	31.33 - 36.33	1.0000	1.0000
L35	19	MP3-06	31.33 - 36.33	1.0000	1.0000
L35	20	MP3-06	31.33 - 36.33	1.0000	1.0000
L35	21	MP3-06	31.33 - 36.33	1.0000	1.0000
L36	7	LDF4-50A(1/2)	30.00 - 31.33	1.0000	1.0000
L36	9	LDF5-50A(7/8)	30.00 - 31.33	1.0000	1.0000
L36	13	Safety Line 3/8	30.00 - 31.33	1.0000	1.0000
L36	19	MP3-06	30.00 - 31.33	1.0000	1.0000
L36	20	MP3-06	30.00 - 31.33	1.0000	1.0000
L36	21	MP3-06	30.00 - 31.33	1.0000	1.0000
L37	7	LDF4-50A(1/2)	29.75 - 30.00	1.0000	1.0000
L37	9	LDF5-50A(7/8)	29.75 - 30.00	1.0000	1.0000
L37	13	Safety Line 3/8	29.75 - 30.00	1.0000	1.0000
L37	15	MP3-08	29.75 - 30.00	1.0000	1.0000
L37	16	MP3-08	29.75 - 30.00	1.0000	1.0000
L37	17	MP3-08	29.75 - 30.00	1.0000	1.0000
L38	7	LDF4-50A(1/2)	24.75 - 29.75	1.0000	1.0000
L38	9	LDF5-50A(7/8)	24.75 - 29.75	1.0000	1.0000
L38	13	Safety Line 3/8	24.75 - 29.75	1.0000	1.0000
L38	15	MP3-08	24.75 - 29.75	1.0000	1.0000
L38	16	MP3-08	24.75 - 29.75	1.0000	1.0000
L38	17	MP3-08	24.75 - 29.75	1.0000	1.0000
L39	7	LDF4-50A(1/2)	19.75 - 24.75	1.0000	1.0000
L39	9	LDF5-50A(7/8)	19.75 - 24.75	1.0000	1.0000
L39	13	Safety Line 3/8	19.75 - 24.75	1.0000	1.0000
L39	15	MP3-08	19.75 - 24.75	1.0000	1.0000
L39	16	MP3-08	19.75 - 24.75	1.0000	1.0000
L39	17	MP3-08	19.75 - 24.75	1.0000	1.0000
L40	7	LDF4-50A(1/2)	14.75 - 19.75	1.0000	1.0000
L40	9	LDF5-50A(7/8)	14.75 - 19.75	1.0000	1.0000
L40	13	Safety Line 3/8	14.75 - 19.75	1.0000	1.0000
L40	15	MP3-08	14.75 - 19.75	1.0000	1.0000
L40	16	MP3-08	14.75 - 19.75	1.0000	1.0000
L40	17	MP3-08	14.75 - 19.75	1.0000	1.0000
L41	7	LDF4-50A(1/2)	9.75 - 14.75	1.0000	1.0000
L41	9	LDF5-50A(7/8)	9.75 - 14.75	1.0000	1.0000
L41	13	Safety Line 3/8	9.75 - 14.75	1.0000	1.0000
L41	15	MP3-08	9.75 - 14.75	1.0000	1.0000
L41	16	MP3-08	9.75 - 14.75	1.0000	1.0000
L41	17	MP3-08	9.75 - 14.75	1.0000	1.0000
L42	7	LDF4-50A(1/2)	4.75 - 9.75	1.0000	1.0000
L42	9	LDF5-50A(7/8)	4.75 - 9.75	1.0000	1.0000
L42	13	Safety Line 3/8	4.75 - 9.75	1.0000	1.0000
L42	15	MP3-08	4.75 - 9.75	1.0000	1.0000
L42	16	MP3-08	4.75 - 9.75	1.0000	1.0000
L42	17	MP3-08	4.75 - 9.75	1.0000	1.0000
L43	7	LDF4-50A(1/2)	0.00 - 4.75	1.0000	1.0000
L43	9	LDF5-50A(7/8)	0.00 - 4.75	1.0000	1.0000
L43	13	Safety Line 3/8	0.00 - 4.75	1.0000	1.0000
L43	15	MP3-08	0.00 - 4.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L43	16	MP3-08	0.00 - 4.75	1.0000	1.0000
L43	17	MP3-08	0.00 - 4.75	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
L15	27	MP3-05	107.58 - 110.00	Auto	1.0000
L15	28	MP3-05	107.58 - 110.00	Auto	1.0000
L15	29	MP3-05	107.58 - 110.00	Auto	1.0000
L16	27	MP3-05	107.33 - 107.58	Auto	1.0000
L16	28	MP3-05	107.33 - 107.58	Auto	1.0000
L16	29	MP3-05	107.33 - 107.58	Auto	1.0000
L17	27	MP3-05	102.33 - 107.33	Auto	1.0000
L17	28	MP3-05	102.33 - 107.33	Auto	1.0000
L17	29	MP3-05	102.33 - 107.33	Auto	1.0000
L18	27	MP3-05	97.33 - 102.33	Auto	1.0000
L18	28	MP3-05	97.33 - 102.33	Auto	1.0000
L18	29	MP3-05	97.33 - 102.33	Auto	1.0000
L19	27	MP3-05	92.33 - 97.33	Auto	1.0000
L19	28	MP3-05	92.33 - 97.33	Auto	1.0000
L19	29	MP3-05	92.33 - 97.33	Auto	1.0000
L20	27	MP3-05	90.00 - 92.33	Auto	1.0000
L20	28	MP3-05	90.00 - 92.33	Auto	1.0000
L20	29	MP3-05	90.00 - 92.33	Auto	1.0000
L21	23	MP3-08	89.75 - 90.00	Auto	1.0000
L21	24	MP3-08	89.75 - 90.00	Auto	1.0000
L21	25	MP3-08	89.75 - 90.00	Auto	1.0000
L22	23	MP3-08	84.75 - 89.75	Auto	1.0000
L22	24	MP3-08	84.75 - 89.75	Auto	1.0000
L22	25	MP3-08	84.75 - 89.75	Auto	1.0000
L23	23	MP3-08	79.75 - 84.75	Auto	1.0000
L23	24	MP3-08	79.75 - 84.75	Auto	1.0000
L23	25	MP3-08	79.75 - 84.75	Auto	1.0000
L24	23	MP3-08	74.75 - 79.75	Auto	1.0000
L24	24	MP3-08	74.75 - 79.75	Auto	1.0000
L24	25	MP3-08	74.75 - 79.75	Auto	1.0000
L25	23	MP3-08	69.75 - 74.75	Auto	1.0000
L25	24	MP3-08	69.75 - 74.75	Auto	1.0000
L25	25	MP3-08	69.75 - 74.75	Auto	1.0000
L26	23	MP3-08	64.75 - 69.75	Auto	1.0000
L26	24	MP3-08	64.75 - 69.75	Auto	1.0000
L26	25	MP3-08	64.75 - 69.75	Auto	1.0000
L27	23	MP3-08	60.00 - 64.75	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L27	24	MP3-08	60.00 - 64.75	Auto	1.0000
L27	25	MP3-08	60.00 - 64.75	Auto	1.0000
L30	19	MP3-06	49.75 - 50.00	Auto	1.0000
L30	20	MP3-06	49.75 - 50.00	Auto	1.0000
L30	21	MP3-06	49.75 - 50.00	Auto	1.0000
L31	19	MP3-06	46.58 - 49.75	Auto	1.0000
L31	20	MP3-06	46.58 - 49.75	Auto	1.0000
L31	21	MP3-06	46.58 - 49.75	Auto	1.0000
L32	19	MP3-06	46.33 - 46.58	Auto	1.0000
L32	20	MP3-06	46.33 - 46.58	Auto	1.0000
L32	21	MP3-06	46.33 - 46.58	Auto	1.0000
L33	19	MP3-06	41.33 - 46.33	Auto	1.0000
L33	20	MP3-06	41.33 - 46.33	Auto	1.0000
L33	21	MP3-06	41.33 - 46.33	Auto	1.0000
L34	19	MP3-06	36.33 - 41.33	Auto	1.0000
L34	20	MP3-06	36.33 - 41.33	Auto	1.0000
L34	21	MP3-06	36.33 - 41.33	Auto	1.0000
L35	19	MP3-06	31.33 - 36.33	Auto	1.0000
L35	20	MP3-06	31.33 - 36.33	Auto	1.0000
L35	21	MP3-06	31.33 - 36.33	Auto	1.0000
L36	19	MP3-06	30.00 - 31.33	Auto	1.0000
L36	20	MP3-06	30.00 - 31.33	Auto	1.0000
L36	21	MP3-06	30.00 - 31.33	Auto	1.0000
L37	15	MP3-08	29.75 - 30.00	Auto	1.0000
L37	16	MP3-08	29.75 - 30.00	Auto	1.0000
L37	17	MP3-08	29.75 - 30.00	Auto	1.0000
L38	15	MP3-08	24.75 - 29.75	Auto	1.0000
L38	16	MP3-08	24.75 - 29.75	Auto	1.0000
L38	17	MP3-08	24.75 - 29.75	Auto	1.0000
L39	15	MP3-08	19.75 - 24.75	Auto	1.0000
L39	16	MP3-08	19.75 - 24.75	Auto	1.0000
L39	17	MP3-08	19.75 - 24.75	Auto	1.0000
L40	15	MP3-08	14.75 - 19.75	Auto	1.0000
L40	16	MP3-08	14.75 - 19.75	Auto	1.0000
L40	17	MP3-08	14.75 - 19.75	Auto	1.0000
L41	15	MP3-08	9.75 - 14.75	Auto	1.0000
L41	16	MP3-08	9.75 - 14.75	Auto	1.0000
L41	17	MP3-08	9.75 - 14.75	Auto	1.0000
L42	15	MP3-08	4.75 - 9.75	Auto	1.0000
L42	16	MP3-08	4.75 - 9.75	Auto	1.0000
L42	17	MP3-08	4.75 - 9.75	Auto	1.0000
L43	15	MP3-08	0.00 - 4.75	Auto	1.0000
L43	16	MP3-08	0.00 - 4.75	Auto	1.0000
L43	17	MP3-08	0.00 - 4.75	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.601 5.045 5.500	4.011 4.448 4.894	0.095 0.160 0.235
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.601 5.045 5.500	4.011 4.448 4.894	0.095 0.160 0.235
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.601 5.045 5.500	4.011 4.448 4.894	0.095 0.160 0.235
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.091 4.480 4.880	2.862 3.229 3.607	0.077 0.127 0.185
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.091 4.480 4.880	2.862 3.229 3.607	0.077 0.127 0.185
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	4.091 4.480 4.880	2.862 3.229 3.607	0.077 0.127 0.185
TME-PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
TME-PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
TME-PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
800MHZ 2X50W RRH W/FILTER	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.058 2.240 2.429	1.932 2.109 2.293	0.064 0.086 0.111
800MHZ 2X50W RRH W/FILTER	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.058 2.240 2.429	1.932 2.109 2.293	0.064 0.086 0.111
800MHZ 2X50W RRH W/FILTER	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.058 2.240 2.429	1.932 2.109 2.293	0.064 0.086 0.111
PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.238 2.441 2.651	0.060 0.083 0.110
TD-RRH8X20-25	A	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	3.704 3.946 4.196	1.294 1.465 1.642	0.066 0.090 0.117
TD-RRH8X20-25	B	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	3.704 3.946 4.196	1.294 1.465 1.642	0.066 0.090 0.117
TD-RRH8X20-25	C	From Leg	4.000 0.000 2.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	3.704 3.946 4.196	1.294 1.465 1.642	0.066 0.090 0.117
(2) 4' x 2" Pipe Mount	A	From Leg	4.000 0.000 0.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	0.866 1.111 1.365	0.866 1.111 1.365	0.015 0.022 0.032

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) 4' x 2" Pipe Mount	B	From Leg	4.000 0.000 0.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	0.866 1.111 1.365	0.866 1.111 1.365	0.015 0.022 0.032
(2) 4' x 2" Pipe Mount	C	From Leg	4.000 0.000 0.000	0.000	177.000	No Ice 1/2" Ice 1" Ice	0.866 1.111 1.365	0.866 1.111 1.365	0.015 0.022 0.032
Platform Mount [LP 502-1]	C	None		0.000	177.000	No Ice 1/2" Ice 1" Ice	18.280 23.540 28.530	18.280 23.540 28.530	0.925 1.435 2.070
*									
JAHH-65B-R3B w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.504 5.972 6.451	4.384 4.837 5.301	0.096 0.169 0.254
JAHH-65B-R3B w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.504 5.972 6.451	4.384 4.837 5.301	0.096 0.169 0.254
JAHH-65B-R3B w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.504 5.972 6.451	4.384 4.837 5.301	0.096 0.169 0.254
JAHH-65B-R3B	A	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.286 5.750 6.223	3.053 3.485 3.927	0.063 0.121 0.186
JAHH-65B-R3B	B	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.286 5.750 6.223	3.053 3.485 3.927	0.063 0.121 0.186
JAHH-65B-R3B	C	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.286 5.750 6.223	3.053 3.485 3.927	0.063 0.121 0.186
LNX-8514DS-A1M w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.559 6.069 6.588	4.468 4.966 5.474	0.084 0.166 0.261
LNX-8514DS-A1M w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	5.559 6.069 6.588	4.468 4.966 5.474	0.084 0.166 0.261
LNX-6514DS-A1M w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	4.095 4.485 4.885	3.296 3.675 4.064	0.065 0.128 0.202
CBC78T-DS-43	A	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.253 0.319 0.392	0.011 0.015 0.020
CBC78T-DS-43	B	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.253 0.319 0.392	0.011 0.015 0.020
CBC78T-DS-43	C	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.253 0.319 0.392	0.011 0.015 0.020
RFV01U-D1A	A	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
RFV01U-D1A	B	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
RFV01U-D1A	C	From Leg	4.000 0.000 2.000	0.000	159.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
RFV01U-D2A	A	From Leg	4.000 0.000	0.000	159.000	No Ice 1/2" Ice	1.875 2.045	1.013 1.145	0.070 0.087

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.000			1" Ice	2.223	1.284	0.106
RFV01U-D2A	B	From Leg	4.000	0.000	159.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			2.000			1" Ice	2.223	1.284	0.106
RFV01U-D2A	C	From Leg	4.000	0.000	159.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			2.000			1" Ice	2.223	1.284	0.106
RC3DC-3315-PF-48	A	From Leg	4.000	0.000	159.000	No Ice	3.792	2.512	0.032
			0.000			1/2" Ice	4.044	2.725	0.063
			2.000			1" Ice	4.303	2.945	0.099
RC3DC-3315-PF-48	C	From Leg	4.000	0.000	159.000	No Ice	3.792	2.512	0.032
			0.000			1/2" Ice	4.044	2.725	0.063
			2.000			1" Ice	4.303	2.945	0.099
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	159.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			2.000			1" Ice	7.020	4.020	0.175
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	159.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			2.000			1" Ice	7.020	4.020	0.175
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	159.000	No Ice	5.940	3.100	0.096
			0.000			1/2" Ice	6.470	3.550	0.132
			2.000			1" Ice	7.020	4.020	0.175
BSF0020F3V1	A	From Leg	4.000	0.000	159.000	No Ice	0.963	0.287	0.018
			0.000			1/2" Ice	1.086	0.364	0.024
			2.000			1" Ice	1.217	0.449	0.033
4' x 2" Pipe Mount	A	From Leg	4.000	0.000	159.000	No Ice	0.866	0.866	0.015
			0.000			1/2" Ice	1.111	1.111	0.022
			0.000			1" Ice	1.365	1.365	0.032
4' x 2" Pipe Mount	B	From Leg	4.000	0.000	159.000	No Ice	0.866	0.866	0.015
			0.000			1/2" Ice	1.111	1.111	0.022
			0.000			1" Ice	1.365	1.365	0.032
4' x 2" Pipe Mount	C	From Leg	4.000	0.000	159.000	No Ice	0.866	0.866	0.015
			0.000			1/2" Ice	1.111	1.111	0.022
			0.000			1" Ice	1.365	1.365	0.032
8' x 2" Mount Pipe	A	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.000	159.000	No Ice	28.310	28.310	1.770
						1/2" Ice	35.690	35.690	2.297
						1" Ice	43.110	43.110	2.943
*									
6812B-1	A	From Leg	1.000	0.000	136.000	No Ice	0.200	0.200	0.003
			0.000			1/2" Ice	0.220	0.220	0.006
			0.000			1" Ice	0.240	0.240	0.010
Side Arm Mount [SO 701-1]	A	From Leg	0.500	0.000	136.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									
DB806-XT	A	From Leg	1.000	0.000	118.000	No Ice	1.140	1.140	0.021
			0.000			1/2" Ice	1.675	1.675	0.030
			3.000			1" Ice	2.025	2.025	0.043

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Side Arm Mount [SO 701-1]	A	From Leg	0.500 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice	0.850 1.140 1.430	1.670 2.340 3.010	0.065 0.079 0.093
*									
KS24019-L112A	A	From Leg	1.000 0.000 0.000	0.000	101.000	No Ice 1/2" Ice 1" Ice	0.141 0.198 0.262	0.141 0.198 0.262	0.005 0.007 0.009
Side Arm Mount [SO 701-1]	A	From Leg	0.500 0.000 0.000	0.000	101.000	No Ice 1/2" Ice 1" Ice	0.850 1.140 1.430	1.670 2.340 3.010	0.065 0.079 0.093
*									
Bridge Stiffener	A	From Leg	0.500 0.000 0.000	0.000	30.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	B	From Leg	0.500 0.000 0.000	0.000	30.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	C	From Leg	0.500 0.000 0.000	0.000	30.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
*									
Bridge Stiffener	A	From Leg	0.500 0.000 0.000	0.000	60.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	B	From Leg	0.500 0.000 0.000	0.000	60.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	C	From Leg	0.500 0.000 0.000	0.000	60.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
*									
Bridge Stiffener	A	From Leg	0.500 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	B	From Leg	0.500 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	C	From Leg	0.500 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
*									
Bridge Stiffener	A	From Leg	0.500 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	B	From Leg	0.500 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
Bridge Stiffener	C	From Leg	0.500 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	3.827 4.109 4.399	0.288 0.683 1.061	0.002 0.018 0.038
*									

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

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	180 - 175	Pole	Max Tension	45	0.000	-0.000	0.000
			Max. Compression	26	-5.898	0.000	-0.010
			Max. Mx	20	-2.920	11.224	-0.001
			Max. My	14	-2.913	0.001	-11.236
			Max. Vy	20	-3.536	11.224	-0.001
			Max. Vx	14	3.541	0.001	-11.236
			Max. Torque	8			-0.000
L2	175 - 170	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-6.469	0.000	-0.020
			Max. Mx	20	-3.313	29.655	-0.001
			Max. My	14	-3.305	0.003	-29.698
			Max. Vy	20	-3.837	29.655	-0.001
			Max. Vx	14	3.843	0.003	-29.698
			Max. Torque	8			-0.000
L3	170 - 165	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-7.039	0.000	-0.030
			Max. Mx	20	-3.707	49.582	-0.001
			Max. My	14	-3.699	0.005	-49.659
			Max. Vy	20	-4.134	49.582	-0.001
			Max. Vx	14	4.141	0.005	-49.659
			Max. Torque	8			-0.000
L4	165 - 160	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-7.622	0.000	-0.040
			Max. Mx	20	-4.117	70.985	-0.001
			Max. My	14	-4.109	0.007	-71.100
			Max. Vy	20	-4.428	70.985	-0.001
			Max. Vx	14	4.435	0.007	-71.100
			Max. Torque	8			-0.000
L5	160 - 155	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-15.716	0.179	0.554
			Max. Mx	20	-8.515	116.596	0.146
			Max. My	2	-8.511	-0.043	117.113
			Max. Vy	20	-9.101	116.596	0.146
			Max. Vx	14	9.170	0.158	-116.773
			Max. Torque	6			0.458
L6	155 - 150	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-16.353	0.179	0.544
			Max. Mx	20	-9.001	162.776	0.068
			Max. My	2	-8.997	-0.123	163.561
			Max. Vy	20	-9.374	162.776	0.068
			Max. Vx	14	9.443	0.240	-163.301
			Max. Torque	6			0.458
L7	150 - 145	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-17.358	0.179	0.532
			Max. Mx	20	-9.804	210.541	-0.010
			Max. My	2	-9.801	-0.203	211.595
			Max. Vy	20	-9.736	210.541	-0.010
			Max. Vx	14	9.807	0.322	-211.421
			Max. Torque	6			0.458
L8	145 - 140	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-18.362	0.179	0.520
			Max. Mx	20	-10.610	260.105	-0.088
			Max. My	2	-10.607	-0.283	261.426
			Max. Vy	20	-10.092	260.105	-0.088
			Max. Vx	14	10.164	0.404	-261.346
			Max. Torque	6			0.458
L9	140 - 135	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-19.483	0.179	0.713
			Max. Mx	20	-11.499	311.506	-0.029
			Max. My	2	-11.497	-0.363	313.203
			Max. Vy	20	-10.523	311.506	-0.029

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	14	10.562	0.486	-312.936
			Max. Torque	6			0.590
L10	135 - 130	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-20.496	0.179	0.687
			Max. Mx	20	-12.316	364.949	-0.109
			Max. My	2	-12.314	-0.444	366.735
			Max. Vy	20	-10.858	364.949	-0.109
			Max. Vx	14	10.899	0.569	-366.580
			Max. Torque	6			0.590
L11	130 - 125	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-21.508	0.179	0.662
			Max. Mx	20	-13.138	420.039	-0.189
			Max. My	2	-13.137	-0.524	421.912
			Max. Vy	20	-11.182	420.039	-0.189
			Max. Vx	14	11.224	0.651	-421.876
			Max. Torque	6			0.590
L12	125 - 120	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.520	0.179	0.637
			Max. Mx	20	-13.967	476.713	-0.269
			Max. My	14	-13.945	0.733	-478.765
			Max. Vy	20	-11.494	476.713	-0.269
			Max. Vx	14	11.537	0.733	-478.765
			Max. Torque	6			0.590
L13	120 - 115	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.982	0.191	0.939
			Max. Mx	20	-15.027	536.666	-0.141
			Max. My	2	-15.027	-0.684	538.830
			Max. Vy	20	-12.205	536.666	-0.141
			Max. Vx	14	12.216	0.817	-538.616
			Max. Torque	6			0.821
L14	115 - 110	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-25.185	0.209	0.921
			Max. Mx	20	-15.994	598.615	-0.221
			Max. My	2	-15.995	-0.763	600.694
			Max. Vy	20	-12.579	598.615	-0.221
			Max. Vx	14	12.591	0.902	-600.622
			Max. Torque	6			0.821
L15	110 - 107.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-25.816	0.218	0.912
			Max. Mx	20	-16.463	629.223	-0.259
			Max. My	14	-16.434	0.943	-631.480
			Max. Vy	20	-12.756	629.223	-0.259
			Max. Vx	14	12.951	0.943	-631.480
			Max. Torque	6			0.821
L16	107.583 - 107.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-25.899	0.219	0.911
			Max. Mx	20	-16.532	632.414	-0.263
			Max. My	14	-16.502	0.947	-634.722
			Max. Vy	20	-12.772	632.414	-0.263
			Max. Vx	14	12.985	0.947	-634.722
			Max. Torque	6			0.821
L17	107.333 - 102.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-27.548	0.238	0.892
			Max. Mx	20	-17.842	697.215	-0.343
			Max. My	14	-17.798	1.032	-701.526
			Max. Vy	20	-13.151	697.215	-0.343
			Max. Vx	14	13.739	1.032	-701.526
			Max. Torque	6			0.821
L18	102.333 -	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	97.333						
			Max. Compression	26	-29.312	0.256	1.108
			Max. Mx	20	-19.240	764.145	-0.257
			Max. My	14	-19.185	1.117	-772.029
			Max. Vy	20	-13.591	764.145	-0.257
			Max. Vx	14	14.516	1.117	-772.029
			Max. Torque	8			0.965
L19	97.333 - 92.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-30.959	0.275	1.090
			Max. Mx	20	-20.561	832.960	-0.338
			Max. My	14	-20.496	1.201	-846.377
			Max. Vy	20	-13.942	832.960	-0.338
			Max. Vx	14	15.230	1.201	-846.377
			Max. Torque	8			0.965
L20	92.333 - 90	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.726	0.283	1.081
			Max. Mx	20	-21.179	865.661	-0.375
			Max. My	14	-21.109	1.241	-882.279
			Max. Vy	20	-14.101	865.661	-0.375
			Max. Vx	14	15.557	1.241	-882.279
			Max. Torque	8			0.965
L21	90 - 89.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.937	0.284	1.080
			Max. Mx	20	-21.271	869.236	-0.379
			Max. My	14	-21.201	1.245	-886.217
			Max. Vy	20	-14.308	869.236	-0.379
			Max. Vx	14	15.764	1.245	-886.217
			Max. Torque	8			0.965
L22	89.75 - 84.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-33.964	0.305	1.059
			Max. Mx	20	-23.010	941.828	-0.460
			Max. My	14	-22.942	1.330	-966.095
			Max. Vy	20	-14.731	941.828	-0.460
			Max. Vx	14	16.190	1.330	-966.095
			Max. Torque	8			0.965
L23	84.75 - 79.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.990	0.326	1.039
			Max. Mx	20	-24.753	1016.494	-0.541
			Max. My	14	-24.687	1.416	-1048.058
			Max. Vy	20	-15.139	1016.494	-0.541
			Max. Vx	14	16.600	1.416	-1048.058
			Max. Torque	8			0.965
L24	79.75 - 74.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.013	0.347	1.018
			Max. Mx	20	-26.500	1093.161	-0.622
			Max. My	14	-26.436	1.501	-1132.030
			Max. Vy	20	-15.533	1093.161	-0.622
			Max. Vx	14	16.995	1.501	-1132.030
			Max. Torque	8			0.965
L25	74.75 - 69.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.034	0.368	0.998
			Max. Mx	20	-28.250	1171.753	-0.704
			Max. My	14	-28.189	1.586	-1217.934
			Max. Vy	20	-15.910	1171.753	-0.704
			Max. Vx	14	17.374	1.586	-1217.934
			Max. Torque	8			0.965
L26	69.75 - 64.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.053	0.388	0.978
			Max. Mx	20	-30.003	1252.187	-0.785
			Max. My	14	-29.945	1.671	-1305.685

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-16.271	1252.187	-0.785
			Max. Vx	14	17.735	1.671	-1305.685
			Max. Torque	8			0.965
L27	64.75 - 60	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.968	0.407	0.959
			Max. Mx	20	-31.671	1330.228	-0.863
			Max. My	14	-31.617	1.752	-1390.678
			Max. Vy	20	-16.598	1330.228	-0.863
			Max. Vx	14	18.062	1.752	-1390.678
			Max. Torque	8			0.965
L28	60 - 59.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.169	0.409	0.958
			Max. Mx	20	-31.760	1334.421	-0.867
			Max. My	14	-31.706	1.756	-1395.237
			Max. Vy	20	-16.782	1334.421	-0.867
			Max. Vx	14	18.246	1.756	-1395.237
			Max. Torque	8			0.965
L29	59.75 - 54.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.088	0.431	0.935
			Max. Mx	20	-33.402	1419.287	-0.949
			Max. My	14	-33.350	1.842	-1487.421
			Max. Vy	20	-17.170	1419.287	-0.949
			Max. Vx	14	18.633	1.842	-1487.421
			Max. Torque	8			0.965
L30	54.75 - 49.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.010	0.454	0.913
			Max. Mx	20	-35.048	1506.027	-1.031
			Max. My	14	-35.001	1.927	-1581.476
			Max. Vy	20	-17.535	1506.027	-1.031
			Max. Vx	14	18.998	1.927	-1581.476
			Max. Torque	8			0.965
L31	49.75 - 46.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.294	0.468	0.900
			Max. Mx	20	-36.093	1561.894	-1.083
			Max. My	14	-36.043	1.980	-1642.369
			Max. Vy	20	-17.757	1561.894	-1.083
			Max. Vx	14	19.469	1.980	-1642.369
			Max. Torque	8			0.965
L32	46.583 - 46.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.422	0.469	0.898
			Max. Mx	20	-36.204	1566.334	-1.087
			Max. My	14	-36.154	1.985	-1647.239
			Max. Vy	20	-17.770	1566.334	-1.087
			Max. Vx	14	19.502	1.985	-1647.239
			Max. Torque	8			0.965
L33	46.333 - 41.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.965	0.491	0.877
			Max. Mx	20	-38.364	1656.068	-1.169
			Max. My	14	-38.312	2.069	-1746.591
			Max. Vy	20	-18.128	1656.068	-1.169
			Max. Vx	14	20.244	2.069	-1746.591
			Max. Torque	8			0.965
L34	41.333 - 36.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.503	0.513	0.856
			Max. Mx	20	-40.529	1747.521	-1.251
			Max. My	14	-40.476	2.154	-1849.547
			Max. Vy	20	-18.462	1747.521	-1.251
			Max. Vx	14	20.948	2.154	-1849.547

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	8			0.965
L35	36.333 - 31.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.035	0.535	0.835
			Max. Mx	20	-42.697	1840.578	-1.333
			Max. My	14	-42.646	2.238	-1955.922
			Max. Vy	20	-18.771	1840.578	-1.333
			Max. Vx	14	21.613	2.238	-1955.922
			Max. Torque	8			0.964
L36	31.333 - 30	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.708	0.540	0.830
			Max. Mx	20	-43.275	1865.644	-1.354
			Max. My	14	-43.223	2.260	-1984.836
			Max. Vy	6	18.918	-1722.389	995.435
			Max. Vx	14	21.785	2.260	-1984.836
			Max. Torque	8			0.964
L37	30 - 29.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.939	0.541	0.829
			Max. Mx	20	-43.398	1870.391	-1.358
			Max. My	14	-43.347	2.265	-1990.319
			Max. Vy	6	19.059	-1727.150	998.180
			Max. Vx	14	21.949	2.265	-1990.319
			Max. Torque	8			0.964
L38	29.75 - 24.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.587	0.562	0.809
			Max. Mx	20	-45.679	1966.096	-1.440
			Max. My	14	-45.631	2.348	-2101.646
			Max. Vy	6	19.614	-1823.812	1053.911
			Max. Vx	14	22.590	2.348	-2101.646
			Max. Torque	8			0.964
L39	24.75 - 19.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.227	0.583	0.790
			Max. Mx	20	-47.965	2063.212	-1.522
			Max. My	14	-47.922	2.432	-2216.120
			Max. Vy	6	20.155	-1923.199	1111.214
			Max. Vx	14	23.214	2.432	-2216.120
			Max. Torque	8			0.964
L40	19.75 - 14.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.856	0.602	0.771
			Max. Mx	20	-50.254	2161.682	-1.603
			Max. My	14	-50.218	2.515	-2333.678
			Max. Vy	6	20.684	-2025.256	1170.059
			Max. Vx	14	23.825	2.515	-2333.678
			Max. Torque	8			0.964
L41	14.75 - 9.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.472	0.621	0.753
			Max. Mx	20	-52.545	2261.443	-1.685
			Max. My	14	-52.519	2.598	-2454.252
			Max. Vy	6	21.201	-2129.924	1230.411
			Max. Vx	14	24.422	2.598	-2454.252
			Max. Torque	8			0.964
L42	9.75 - 4.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.068	0.639	0.737
			Max. Mx	20	-54.840	2362.433	-1.766
			Max. My	14	-54.825	2.680	-2577.770
			Max. Vy	6	21.705	-2237.141	1292.235
			Max. Vx	14	25.004	2.680	-2577.770
			Max. Torque	8			0.964
L43	4.75 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-73.498	0.654	0.724
			Max. Mx	20	-57.021	2459.451	-1.843

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	14	-57.019	2.757	-2697.771
			Max. Vy	6	22.173	-2341.298	1352.295
			Max. Vx	14	25.546	2.757	-2697.771
			Max. Torque	8			0.964

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	73.498	0.000	0.000
	Max. H_x	23	42.770	22.145	12.752
	Max. H_z	2	57.026	-0.016	20.481
	Max. M_x	2	2456.447	-0.016	20.481
	Max. M_z	8	2459.154	-20.530	0.016
	Max. Torsion	8	0.964	-20.530	0.016
	Min. Vert	13	42.770	-10.252	-17.730
	Min. H_x	6	57.026	-22.160	12.779
	Min. H_z	14	57.026	0.016	-25.530
	Min. M_x	14	-2697.771	0.016	-25.530
	Min. M_z	20	-2459.451	20.530	-0.016
	Min. Torsion	20	-0.962	20.530	-0.016

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	47.522	0.000	0.000	-0.601	0.118	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	57.026	0.016	-20.481	-2456.447	-2.462	-0.212
0.9 Dead+1.0 Wind 0 deg - No Ice	42.770	0.016	-20.481	-2432.718	-2.472	-0.211
1.2 Dead+1.0 Wind 30 deg - No Ice	57.026	10.279	-17.745	-2128.751	-1231.763	-0.668
0.9 Dead+1.0 Wind 30 deg - No Ice	42.770	10.279	-17.745	-2108.159	-1220.008	-0.664
1.2 Dead+1.0 Wind 60 deg - No Ice	57.026	22.160	-12.779	-1352.295	-2341.298	-0.945
0.9 Dead+1.0 Wind 60 deg - No Ice	42.770	22.160	-12.779	-1339.635	-2319.778	-0.938
1.2 Dead+1.0 Wind 90 deg - No Ice	57.026	20.530	-0.016	-3.376	-2459.154	-0.964
0.9 Dead+1.0 Wind 90 deg - No Ice	42.770	20.530	-0.016	-3.147	-2435.655	-0.957
1.2 Dead+1.0 Wind 120 deg - No Ice	57.026	17.772	10.227	1224.813	-2128.367	-0.725
0.9 Dead+1.0 Wind 120 deg - No Ice	42.770	17.772	10.227	1213.275	-2108.035	-0.719
1.2 Dead+1.0 Wind 150 deg - No Ice	57.026	10.252	17.730	2124.609	-1227.244	-0.294
0.9 Dead+1.0 Wind 150 deg - No Ice	42.770	10.252	17.730	2104.449	-1215.538	-0.291

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 180 deg - No Ice	57.026	-0.016	25.530	2697.771	2.757	0.215
0.9 Dead+1.0 Wind 180 deg - No Ice	42.770	-0.016	25.530	2673.104	2.691	0.214
1.2 Dead+1.0 Wind 210 deg - No Ice	57.026	-10.279	17.745	2127.215	1232.057	0.665
0.9 Dead+1.0 Wind 210 deg - No Ice	42.770	-10.279	17.745	2107.027	1220.226	0.660
1.2 Dead+1.0 Wind 240 deg - No Ice	57.026	-17.788	10.254	1229.331	2131.269	0.938
0.9 Dead+1.0 Wind 240 deg - No Ice	42.770	-17.788	10.254	1217.744	2110.832	0.931
1.2 Dead+1.0 Wind 270 deg - No Ice	57.026	-20.530	0.016	1.843	2459.451	0.962
0.9 Dead+1.0 Wind 270 deg - No Ice	42.770	-20.530	0.016	2.016	2435.875	0.955
1.2 Dead+1.0 Wind 300 deg - No Ice	57.026	-22.145	-12.752	-1347.779	2338.990	0.730
0.9 Dead+1.0 Wind 300 deg - No Ice	42.770	-22.145	-12.752	-1335.168	2317.420	0.724
1.2 Dead+1.0 Wind 330 deg - No Ice	57.026	-10.252	-17.730	-2126.147	1227.542	0.300
0.9 Dead+1.0 Wind 330 deg - No Ice	42.770	-10.252	-17.730	-2105.583	1215.758	0.297
1.2 Dead+1.0 Ice+1.0 Temp	73.498	0.000	0.000	-0.724	0.654	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	73.498	0.003	-5.797	-666.153	0.247	-0.041
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	73.498	2.912	-5.022	-577.243	-333.475	-0.156
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	73.498	5.063	-2.914	-334.474	-578.679	-0.229
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	73.498	5.819	-0.003	-1.282	-666.866	-0.241
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	73.498	5.038	2.896	331.441	-577.202	-0.189
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	73.498	2.907	5.019	575.132	-332.690	-0.085
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	73.498	-0.003	5.824	665.677	1.153	0.041
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	73.498	-2.912	5.022	575.585	334.876	0.156
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	73.498	-5.040	2.901	332.225	579.056	0.229
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	73.498	-5.819	0.003	-0.376	668.267	0.241
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	73.498	-5.060	-2.909	-333.690	579.627	0.189
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	73.498	-2.907	-5.019	-576.790	334.091	0.086
Dead+Wind 0 deg - Service	47.522	0.003	-4.374	-521.948	-0.431	-0.046
Dead+Wind 30 deg - Service	47.522	2.195	-3.790	-452.382	-261.399	-0.142
Dead+Wind 60 deg - Service	47.522	4.733	-2.729	-287.623	-497.070	-0.201
Dead+Wind 90 deg - Service	47.522	4.385	-0.003	-1.189	-521.962	-0.205
Dead+Wind 120 deg - Service	47.522	3.796	2.184	259.542	-451.739	-0.155
Dead+Wind 150 deg - Service	47.522	2.189	3.786	450.558	-260.440	-0.063
Dead+Wind 180 deg - Service	47.522	-0.003	5.452	572.382	0.676	0.046
Dead+Wind 210 deg - Service	47.522	-2.195	3.790	451.112	261.645	0.142
Dead+Wind 240 deg - Service	47.522	-3.799	2.190	260.501	452.539	0.200
Dead+Wind 270 deg - Service	47.522	-4.385	0.003	-0.081	522.208	0.205
Dead+Wind 300 deg - Service	47.522	-4.729	-2.723	-286.664	496.762	0.155
Dead+Wind 330 deg - Service	47.522	-2.189	-3.786	-451.828	260.686	0.063

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-47.522	0.000	0.000	47.522	0.000	0.000%
2	0.016	-57.026	-20.481	-0.016	57.026	20.481	0.000%
3	0.016	-42.770	-20.481	-0.016	42.770	20.481	0.000%
4	10.279	-57.026	-17.745	-10.279	57.026	17.745	0.000%
5	10.279	-42.770	-17.745	-10.279	42.770	17.745	0.000%
6	22.160	-57.026	-12.779	-22.160	57.026	12.779	0.000%
7	22.160	-42.770	-12.779	-22.160	42.770	12.779	0.000%
8	20.530	-57.026	-0.016	-20.530	57.026	0.016	0.000%
9	20.530	-42.770	-0.016	-20.530	42.770	0.016	0.000%
10	17.772	-57.026	10.227	-17.772	57.026	-10.227	0.000%
11	17.772	-42.770	10.227	-17.772	42.770	-10.227	0.000%
12	10.252	-57.026	17.730	-10.252	57.026	-17.730	0.000%
13	10.252	-42.770	17.730	-10.252	42.770	-17.730	0.000%
14	-0.016	-57.026	25.530	0.016	57.026	-25.530	0.000%
15	-0.016	-42.770	25.530	0.016	42.770	-25.530	0.000%
16	-10.279	-57.026	17.745	10.279	57.026	-17.745	0.000%
17	-10.279	-42.770	17.745	10.279	42.770	-17.745	0.000%
18	-17.788	-57.026	10.254	17.788	57.026	-10.254	0.000%
19	-17.788	-42.770	10.254	17.788	42.770	-10.254	0.000%
20	-20.530	-57.026	0.016	20.530	57.026	-0.016	0.000%
21	-20.530	-42.770	0.016	20.530	42.770	-0.016	0.000%
22	-22.145	-57.026	-12.752	22.145	57.026	12.752	0.000%
23	-22.145	-42.770	-12.752	22.145	42.770	12.752	0.000%
24	-10.252	-57.026	-17.730	10.252	57.026	17.730	0.000%
25	-10.252	-42.770	-17.730	10.252	42.770	17.730	0.000%
26	0.000	-73.498	0.000	0.000	73.498	0.000	0.000%
27	0.003	-73.498	-5.797	-0.003	73.498	5.797	0.000%
28	2.912	-73.498	-5.022	-2.912	73.498	5.022	0.000%
29	5.063	-73.498	-2.914	-5.063	73.498	2.914	0.000%
30	5.819	-73.498	-0.003	-5.819	73.498	0.003	0.000%
31	5.038	-73.498	2.896	-5.038	73.498	-2.896	0.000%
32	2.907	-73.498	5.019	-2.907	73.498	-5.019	0.000%
33	-0.003	-73.498	5.824	0.003	73.498	-5.824	0.000%
34	-2.912	-73.498	5.022	2.912	73.498	-5.022	0.000%
35	-5.040	-73.498	2.901	5.040	73.498	-2.901	0.000%
36	-5.819	-73.498	0.003	5.819	73.498	-0.003	0.000%
37	-5.060	-73.498	-2.909	5.060	73.498	2.909	0.000%
38	-2.907	-73.498	-5.019	2.907	73.498	5.019	0.000%
39	0.003	-47.522	-4.374	-0.003	47.522	4.374	0.000%
40	2.195	-47.522	-3.790	-2.195	47.522	3.790	0.000%
41	4.733	-47.522	-2.729	-4.733	47.522	2.729	0.000%
42	4.385	-47.522	-0.003	-4.385	47.522	0.003	0.000%
43	3.796	-47.522	2.184	-3.796	47.522	-2.184	0.000%
44	2.189	-47.522	3.786	-2.189	47.522	-3.786	0.000%
45	-0.003	-47.522	5.452	0.003	47.522	-5.452	0.000%
46	-2.195	-47.522	3.790	2.195	47.522	-3.790	0.000%
47	-3.799	-47.522	2.190	3.799	47.522	-2.190	0.000%
48	-4.385	-47.522	0.003	4.385	47.522	-0.003	0.000%
49	-4.729	-47.522	-2.723	4.729	47.522	2.723	0.000%
50	-2.189	-47.522	-3.786	2.189	47.522	3.786	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00008792
3	Yes	5	0.00000001	0.00003569
4	Yes	6	0.00000001	0.00010954
5	Yes	6	0.00000001	0.00004045
6	Yes	6	0.00000001	0.00012962
7	Yes	6	0.00000001	0.00004730
8	Yes	5	0.00000001	0.00018557
9	Yes	5	0.00000001	0.00009123
10	Yes	6	0.00000001	0.00010833
11	Yes	6	0.00000001	0.00004003
12	Yes	6	0.00000001	0.00011212
13	Yes	6	0.00000001	0.00004152
14	Yes	5	0.00000001	0.00009510
15	Yes	5	0.00000001	0.00003935
16	Yes	6	0.00000001	0.00011439
17	Yes	6	0.00000001	0.00004237
18	Yes	6	0.00000001	0.00010834
19	Yes	6	0.00000001	0.00004001
20	Yes	5	0.00000001	0.00017361
21	Yes	5	0.00000001	0.00008486
22	Yes	6	0.00000001	0.00012799
23	Yes	6	0.00000001	0.00004670
24	Yes	6	0.00000001	0.00011022
25	Yes	6	0.00000001	0.00004074
26	Yes	4	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00014267
28	Yes	6	0.00000001	0.00015021
29	Yes	6	0.00000001	0.00015042
30	Yes	6	0.00000001	0.00014224
31	Yes	6	0.00000001	0.00014922
32	Yes	6	0.00000001	0.00014908
33	Yes	6	0.00000001	0.00014176
34	Yes	6	0.00000001	0.00014962
35	Yes	6	0.00000001	0.00014982
36	Yes	6	0.00000001	0.00014264
37	Yes	6	0.00000001	0.00015052
38	Yes	6	0.00000001	0.00015025
39	Yes	4	0.00000001	0.00031358
40	Yes	4	0.00000001	0.00071101
41	Yes	4	0.00000001	0.00089494
42	Yes	4	0.00000001	0.00034629
43	Yes	4	0.00000001	0.00069961
44	Yes	4	0.00000001	0.00074610
45	Yes	4	0.00000001	0.00032713
46	Yes	4	0.00000001	0.00077598
47	Yes	4	0.00000001	0.00069875
48	Yes	4	0.00000001	0.00034534
49	Yes	4	0.00000001	0.00087415
50	Yes	4	0.00000001	0.00072211

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180 - 175	15.324	41	0.767	0.001
L2	175 - 170	14.521	41	0.766	0.001
L3	170 - 165	13.721	41	0.761	0.001
L4	165 - 160	12.928	41	0.752	0.001
L5	160 - 155	12.148	41	0.738	0.001
L6	155 - 150	11.385	41	0.717	0.001
L7	150 - 145	10.650	41	0.685	0.001
L8	145 - 140	9.940	41	0.670	0.001
L9	140 - 135	9.248	41	0.651	0.001
L10	135 - 130	8.578	41	0.629	0.001
L11	130 - 125	7.933	41	0.602	0.001
L12	125 - 120	7.318	41	0.571	0.001
L13	120 - 115	6.739	41	0.536	0.001
L14	115 - 110	6.190	41	0.513	0.001
L15	110 - 107.583	5.666	41	0.487	0.000
L16	107.583 - 107.333	5.423	41	0.473	0.000
L17	107.333 - 102.333	5.398	41	0.472	0.000
L18	102.333 - 97.333	4.915	41	0.450	0.000
L19	97.333 - 92.333	4.456	41	0.426	0.000
L20	92.333 - 90	4.024	41	0.400	0.000
L21	90 - 89.75	3.832	41	0.386	0.000
L22	89.75 - 84.75	3.811	41	0.386	0.000
L23	84.75 - 79.75	3.416	41	0.369	0.000
L24	79.75 - 74.75	3.039	41	0.351	0.000
L25	74.75 - 69.75	2.681	41	0.332	0.000
L26	69.75 - 64.75	2.344	41	0.311	0.000
L27	64.75 - 60	2.030	41	0.289	0.000
L28	60 - 59.75	1.753	41	0.266	0.000
L29	59.75 - 54.75	1.740	41	0.265	0.000
L30	54.75 - 49.75	1.473	41	0.244	0.000
L31	49.75 - 46.583	1.228	41	0.222	0.000
L32	46.583 - 46.333	1.085	41	0.208	0.000
L33	46.333 - 41.333	1.075	41	0.207	0.000
L34	41.333 - 36.333	0.867	41	0.189	0.000
L35	36.333 - 31.333	0.680	41	0.169	0.000
L36	31.333 - 30	0.513	41	0.149	0.000
L37	30 - 29.75	0.473	41	0.143	0.000
L38	29.75 - 24.75	0.465	41	0.142	0.000
L39	24.75 - 19.75	0.327	41	0.121	0.000
L40	19.75 - 14.75	0.212	41	0.099	0.000
L41	14.75 - 9.75	0.120	41	0.076	0.000
L42	9.75 - 4.75	0.053	41	0.051	0.000
L43	4.75 - 0	0.013	41	0.026	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
177.000	APXVSPP18-C-A20 w/ Mount Pipe	41	14.842	0.766	0.001	111024
159.000	JAHH-65B-R3B w/ Mount Pipe	41	11.993	0.735	0.001	14874
136.000	6812B-1	41	8.710	0.634	0.001	11916
120.000	Bridge Stiffener	41	6.739	0.536	0.001	9734
118.000	DB806-XT	41	6.516	0.525	0.001	10687
101.000	KS24019-L112A	41	4.790	0.444	0.000	12128
90.000	Bridge Stiffener	41	3.832	0.386	0.000	12967
60.000	Bridge Stiffener	41	1.753	0.266	0.000	12867

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
30.000	Bridge Stiffener	41	0.473	0.143	0.000	13760

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180 - 175	72.194	6	3.615	0.005
L2	175 - 170	68.414	6	3.611	0.005
L3	170 - 165	64.647	6	3.589	0.005
L4	165 - 160	60.913	6	3.546	0.005
L5	160 - 155	57.235	6	3.481	0.005
L6	155 - 150	53.642	6	3.380	0.005
L7	150 - 145	50.181	6	3.228	0.004
L8	145 - 140	46.838	6	3.159	0.004
L9	140 - 135	43.578	6	3.071	0.004
L10	135 - 130	40.418	6	2.965	0.003
L11	130 - 125	37.380	6	2.839	0.003
L12	125 - 120	34.485	6	2.692	0.003
L13	120 - 115	31.753	6	2.525	0.003
L14	115 - 110	29.166	6	2.416	0.002
L15	110 - 107.583	26.699	6	2.295	0.002
L16	107.583 - 107.333	25.554	6	2.231	0.002
L17	107.333 - 102.333	25.438	6	2.226	0.002
L18	102.333 - 97.333	23.161	6	2.123	0.002
L19	97.333 - 92.333	20.997	6	2.009	0.002
L20	92.333 - 90	18.959	6	1.884	0.002
L21	90 - 89.75	18.054	6	1.821	0.001
L22	89.75 - 84.75	17.959	6	1.818	0.001
L23	84.75 - 79.75	16.096	6	1.740	0.001
L24	79.75 - 74.75	14.318	6	1.656	0.001
L25	74.75 - 69.75	12.631	6	1.565	0.001
L26	69.75 - 64.75	11.043	6	1.467	0.001
L27	64.75 - 60	9.562	6	1.361	0.001
L28	60 - 59.75	8.261	6	1.254	0.001
L29	59.75 - 54.75	8.195	6	1.250	0.001
L30	54.75 - 49.75	6.937	6	1.152	0.001
L31	49.75 - 46.583	5.785	6	1.048	0.001
L32	46.583 - 46.333	5.113	6	0.979	0.001
L33	46.333 - 41.333	5.062	6	0.975	0.001
L34	41.333 - 36.333	4.086	6	0.889	0.001
L35	36.333 - 31.333	3.203	6	0.797	0.000
L36	31.333 - 30	2.418	6	0.701	0.000
L37	30 - 29.75	2.226	6	0.674	0.000
L38	29.75 - 24.75	2.191	6	0.669	0.000
L39	24.75 - 19.75	1.541	6	0.571	0.000
L40	19.75 - 14.75	0.997	6	0.467	0.000
L41	14.75 - 9.75	0.565	6	0.357	0.000
L42	9.75 - 4.75	0.251	6	0.242	0.000
L43	4.75 - 0	0.061	6	0.121	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
177.000	APXVSPP18-C-A20 w/ Mount Pipe	6	69.925	3.614	0.005	23760
159.000	JAHH-65B-R3B w/ Mount Pipe	6	56.508	3.465	0.005	3187
136.000	6812B-1	6	41.041	2.987	0.003	2545
120.000	Bridge Stiffener	6	31.753	2.525	0.003	2074
118.000	DB806-XT	6	30.703	2.476	0.002	2277
101.000	KS24019-L112A	6	22.572	2.093	0.002	2579
90.000	Bridge Stiffener	6	18.054	1.821	0.001	2756
60.000	Bridge Stiffener	6	8.261	1.254	0.001	2731
30.000	Bridge Stiffener	6	2.226	0.674	0.000	2920

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	180 - 175 (1)	P24x0.25	5.000	0.000	0.0	18.653	-2.913	662.265	0.004
L2	175 - 170 (2)	P24x0.25	5.000	0.000	0.0	18.653	-3.305	662.265	0.005
L3	170 - 165 (3)	P24x0.25	5.000	0.000	0.0	18.653	-3.699	662.265	0.006
L4	165 - 160 (4)	P24x0.25	5.000	0.000	0.0	18.653	-4.109	662.265	0.006
L5	160 - 155 (5)	P24x0.25	5.000	0.000	0.0	18.653	-8.511	662.265	0.013
L6	155 - 150 (6)	P24x0.25	5.000	0.000	0.0	18.653	-8.997	662.265	0.014
L7	150 - 145 (7)	P30x0.375	5.000	0.000	0.0	34.901	-9.801	1311.060	0.007
L8	145 - 140 (8)	P30x0.375	5.000	0.000	0.0	34.901	-10.607	1311.060	0.008
L9	140 - 135 (9)	P30x0.375	5.000	0.000	0.0	34.901	-11.497	1311.060	0.009
L10	135 - 130 (10)	P30x0.375	5.000	0.000	0.0	34.901	-12.313	1311.060	0.009
L11	130 - 125 (11)	P30x0.375	5.000	0.000	0.0	34.901	-13.136	1311.060	0.010
L12	125 - 120 (12)	P30x0.375	5.000	0.000	0.0	34.901	-13.965	1311.060	0.011
L13	120 - 115 (13)	P36x0.375	5.000	0.000	0.0	41.970	-15.026	1490.100	0.010
L14	115 - 110 (14)	P36x0.375	5.000	0.000	0.0	41.970	-15.970	1490.100	0.011
L15	110 - 107.583 (15)	P36x0.375	2.417	0.000	0.0	41.970	-16.432	1490.100	0.011
L16	107.583 - 107.333 (16)	P36x0.525	0.250	0.000	0.0	58.510	-16.500	2211.690	0.007
L17	107.333 - 102.333 (17)	P36x0.525	5.000	0.000	0.0	58.510	-17.796	2211.690	0.008
L18	102.333 - 97.333 (18)	P36x0.525	5.000	0.000	0.0	58.510	-19.182	2211.690	0.009
L19	97.333 - 92.333 (19)	P36x0.525	5.000	0.000	0.0	58.510	-20.493	2211.690	0.009
L20	92.333 - 90 (20)	P36x0.525	2.333	0.000	0.0	58.510	-21.106	2211.690	0.010
L21	90 - 89.75 (21)	P42x0.6125	0.250	0.000	0.0	79.639	-21.198	3010.350	0.007
L22	89.75 - 84.75 (22)	P42x0.6125	5.000	0.000	0.0	79.639	-22.939	3010.350	0.008
L23	84.75 - 79.75 (23)	P42x0.6125	5.000	0.000	0.0	79.639	-24.685	3010.350	0.008
L24	79.75 - 74.75 (24)	P42x0.6125	5.000	0.000	0.0	79.639	-26.434	3010.350	0.009
L25	74.75 - 69.75 (25)	P42x0.6125	5.000	0.000	0.0	79.639	-28.187	3010.350	0.009
L26	69.75 - 64.75 (26)	P42x0.6125	5.000	0.000	0.0	79.639	-29.943	3010.350	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L27	64.75 - 60 (27)	P42x0.6125	4.750	0.000	0.0	79.639	-31.615	3010.350	0.011
L28	60 - 59.75 (28)	P48x0.5	0.250	0.000	0.0	74.613	-31.704	2649.060	0.012
L29	59.75 - 54.75 (29)	P48x0.5	5.000	0.000	0.0	74.613	-33.349	2649.060	0.013
L30	54.75 - 49.75 (30)	P48x0.5	5.000	0.000	0.0	74.613	-34.999	2649.060	0.013
L31	49.75 - 46.583 (31)	P48x0.5	3.167	0.000	0.0	74.613	-36.041	2649.060	0.014
L32	46.583 - 46.333 (32)	P48x0.675	0.250	0.000	0.0	100.356	-36.153	3793.470	0.010
L33	46.333 - 41.333 (33)	P48x0.675	5.000	0.000	0.0	100.356	-38.311	3793.470	0.010
L34	41.333 - 36.333 (34)	P48x0.675	5.000	0.000	0.0	100.356	-40.475	3793.470	0.011
L35	36.333 - 31.333 (35)	P48x0.675	5.000	0.000	0.0	100.356	-42.644	3793.470	0.011
L36	31.333 - 30 (36)	P48x0.675	1.333	0.000	0.0	100.356	-43.222	3793.470	0.011
L37	30 - 29.75 (37)	P48x0.7125	0.250	0.000	0.0	105.848	-43.346	4001.040	0.011
L38	29.75 - 24.75 (38)	P48x0.7125	5.000	0.000	0.0	105.848	-45.630	4001.040	0.011
L39	24.75 - 19.75 (39)	P48x0.7125	5.000	0.000	0.0	105.848	-47.922	4001.040	0.012
L40	19.75 - 14.75 (40)	P48x0.7125	5.000	0.000	0.0	105.848	-50.218	4001.040	0.013
L41	14.75 - 9.75 (41)	P48x0.7125	5.000	0.000	0.0	105.848	-52.519	4001.040	0.013
L42	9.75 - 4.75 (42)	P48x0.7125	5.000	0.000	0.0	105.848	-54.825	4001.040	0.014
L43	4.75 - 0 (43)	P48x0.7125	4.750	0.000	0.0	105.848	-57.019	4001.040	0.014

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	180 - 175 (1)	P24x0.25	11.236	396.683	0.028	0.000	396.683	0.000
L2	175 - 170 (2)	P24x0.25	29.698	396.683	0.075	0.000	396.683	0.000
L3	170 - 165 (3)	P24x0.25	49.659	396.683	0.125	0.000	396.683	0.000
L4	165 - 160 (4)	P24x0.25	71.100	396.683	0.179	0.000	396.683	0.000
L5	160 - 155 (5)	P24x0.25	117.113	396.683	0.295	0.000	396.683	0.000
L6	155 - 150 (6)	P24x0.25	163.562	396.683	0.412	0.000	396.683	0.000
L7	150 - 145 (7)	P30x0.375	211.595	947.858	0.223	0.000	947.858	0.000
L8	145 - 140 (8)	P30x0.375	261.426	947.858	0.276	0.000	947.858	0.000
L9	140 - 135 (9)	P30x0.375	313.203	947.858	0.330	0.000	947.858	0.000
L10	135 - 130 (10)	P30x0.375	366.723	947.858	0.387	0.000	947.858	0.000
L11	130 - 125 (11)	P30x0.375	421.948	947.858	0.445	0.000	947.858	0.000
L12	125 - 120 (12)	P30x0.375	478.758	947.858	0.505	0.000	947.858	0.000
L13	120 - 115 (13)	P36x0.375	538.957	1338.808	0.403	0.000	1338.808	0.000
L14	115 - 110 (14)	P36x0.375	601.065	1338.808	0.449	0.000	1338.808	0.000
L15	110 - 107.583 (15)	P36x0.375	631.987	1338.808	0.472	0.000	1338.808	0.000
L16	107.583 - 107.333 (16)	P36x0.525	635.234	1946.900	0.326	0.000	1946.900	0.000
L17	107.333 - 102.333 (17)	P36x0.525	702.169	1946.900	0.361	0.000	1946.900	0.000
L18	102.333 -	P36x0.525	773.149	1946.900	0.397	0.000	1946.900	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 $\frac{M_{uy}}{\phi M_{ny}}$
L19	97.333 (18) 97.333 - 92.333 (19)	P36x0.525	847.750	1946.900	0.435	0.000	1946.900	0.000
L20	92.333 - 90 (20)	P36x0.525	883.767	1946.900	0.454	0.000	1946.900	0.000
L21	90 - 89.75 (21)	P42x0.6125	887.717	3091.608	0.287	0.000	3091.608	0.000
L22	89.75 - 84.75 (22)	P42x0.6125	967.850	3091.608	0.313	0.000	3091.608	0.000
L23	84.75 - 79.75 (23)	P42x0.6125	1050.067	3091.608	0.340	0.000	3091.608	0.000
L24	79.75 - 74.75 (24)	P42x0.6125	1134.292	3091.608	0.367	0.000	3091.608	0.000
L25	74.75 - 69.75 (25)	P42x0.6125	1220.450	3091.608	0.395	0.000	3091.608	0.000
L26	69.75 - 64.75 (26)	P42x0.6125	1308.450	3091.608	0.423	0.000	3091.608	0.000
L27	64.75 - 60 (27)	P42x0.6125	1393.683	3091.608	0.451	0.000	3091.608	0.000
L28	60 - 59.75 (28)	P48x0.5	1398.258	3173.467	0.441	0.000	3173.467	0.000
L29	59.75 - 54.75 (29)	P48x0.5	1490.692	3173.467	0.470	0.000	3173.467	0.000
L30	54.75 - 49.75 (30)	P48x0.5	1585.000	3173.467	0.499	0.000	3173.467	0.000
L31	49.75 - 46.583 (31)	P48x0.5	1646.050	3173.467	0.519	0.000	3173.467	0.000
L32	46.583 - 46.333 (32)	P48x0.675	1650.933	4429.592	0.373	0.000	4429.592	0.000
L33	46.333 - 41.333 (33)	P48x0.675	1750.533	4429.592	0.395	0.000	4429.592	0.000
L34	41.333 - 36.333 (34)	P48x0.675	1853.742	4429.592	0.418	0.000	4429.592	0.000
L35	36.333 - 31.333 (35)	P48x0.675	1960.367	4429.592	0.443	0.000	4429.592	0.000
L36	31.333 - 30 (36)	P48x0.675	1989.350	4429.592	0.449	0.000	4429.592	0.000
L37	30 - 29.75 (37)	P48x0.7125	1994.842	4708.058	0.424	0.000	4708.058	0.000
L38	29.75 - 24.75 (38)	P48x0.7125	2106.425	4708.058	0.447	0.000	4708.058	0.000
L39	24.75 - 19.75 (39)	P48x0.7125	2221.150	4708.058	0.472	0.000	4708.058	0.000
L40	19.75 - 14.75 (40)	P48x0.7125	2338.950	4708.058	0.497	0.000	4708.058	0.000
L41	14.75 - 9.75 (41)	P48x0.7125	2459.775	4708.058	0.522	0.000	4708.058	0.000
L42	9.75 - 4.75 (42)	P48x0.7125	2583.542	4708.058	0.549	0.000	4708.058	0.000
L43	4.75 - 0 (43)	P48x0.7125	2703.775	4708.058	0.574	0.000	4708.058	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	180 - 175 (1)	P24x0.25	3.541	201.861	0.018	0.000	324.229	0.000
L2	175 - 170 (2)	P24x0.25	3.843	201.861	0.019	0.000	324.229	0.000
L3	170 - 165 (3)	P24x0.25	4.141	201.861	0.021	0.000	324.229	0.000
L4	165 - 160 (4)	P24x0.25	4.435	201.861	0.022	0.000	324.229	0.000
L5	160 - 155 (5)	P24x0.25	9.155	201.861	0.045	0.213	324.229	0.001

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 $\frac{T_u}{\phi T_n}$
L6	155 - 150 (6)	P24x0.25	9.427	201.861	0.047	0.213	324.229	0.001
L7	150 - 145 (7)	P30x0.375	9.790	395.779	0.025	0.213	994.725	0.000
L8	145 - 140 (8)	P30x0.375	10.146	395.779	0.026	0.213	994.725	0.000
L9	140 - 135 (9)	P30x0.375	10.541	395.779	0.027	0.213	994.725	0.000
L10	135 - 130 (10)	P30x0.375	10.886	395.779	0.028	0.464	994.725	0.000
L11	130 - 125 (11)	P30x0.375	11.210	395.779	0.028	0.464	994.725	0.000
L12	125 - 120 (12)	P30x0.375	11.521	395.779	0.029	0.464	994.725	0.000
L13	120 - 115 (13)	P36x0.375	12.207	454.187	0.027	0.597	1094.275	0.001
L14	115 - 110 (14)	P36x0.375	12.618	454.187	0.028	0.821	1094.275	0.001
L15	110 - 107.583 (15)	P36x0.375	12.978	454.187	0.029	0.821	1094.275	0.001
L16	107.583 - 107.333 (16)	P36x0.525	13.013	663.506	0.020	0.821	2069.408	0.000
L17	107.333 - 102.333 (17)	P36x0.525	13.766	663.506	0.021	0.821	2069.408	0.000
L18	102.333 - 97.333 (18)	P36x0.525	14.567	663.506	0.022	0.946	2069.408	0.000
L19	97.333 - 92.333 (19)	P36x0.525	15.282	663.506	0.023	0.946	2069.408	0.000
L20	92.333 - 90 (20)	P36x0.525	15.609	663.506	0.024	0.946	2069.408	0.000
L21	90 - 89.75 (21)	P42x0.6125	15.816	903.105	0.018	0.946	3286.150	0.000
L22	89.75 - 84.75 (22)	P42x0.6125	16.242	903.105	0.018	0.946	3286.150	0.000
L23	84.75 - 79.75 (23)	P42x0.6125	16.652	903.105	0.018	0.946	3286.150	0.000
L24	79.75 - 74.75 (24)	P42x0.6125	17.047	903.105	0.019	0.946	3286.150	0.000
L25	74.75 - 69.75 (25)	P42x0.6125	17.426	903.105	0.019	0.946	3286.150	0.000
L26	69.75 - 64.75 (26)	P42x0.6125	17.787	903.105	0.020	0.945	3286.150	0.000
L27	64.75 - 60 (27)	P42x0.6125	18.114	903.105	0.020	0.945	3286.150	0.000
L28	60 - 59.75 (28)	P48x0.5	18.297	807.443	0.023	0.945	2593.833	0.000
L29	59.75 - 54.75 (29)	P48x0.5	18.685	807.443	0.023	0.945	2593.833	0.000
L30	54.75 - 49.75 (30)	P48x0.5	19.050	807.443	0.024	0.945	2593.833	0.000
L31	49.75 - 46.583 (31)	P48x0.5	19.521	807.443	0.024	0.945	2593.833	0.000
L32	46.583 - 46.333 (32)	P48x0.675	19.553	1138.040	0.017	0.945	4735.083	0.000
L33	46.333 - 41.333 (33)	P48x0.675	20.296	1138.040	0.018	0.945	4735.083	0.000
L34	41.333 - 36.333 (34)	P48x0.675	21.000	1138.040	0.018	0.945	4735.083	0.000
L35	36.333 - 31.333 (35)	P48x0.675	21.664	1138.040	0.019	0.945	4735.083	0.000
L36	31.333 - 30 (36)	P48x0.675	21.837	1138.040	0.019	0.945	4735.083	0.000
L37	30 - 29.75 (37)	P48x0.7125	22.000	1200.310	0.018	0.945	4990.225	0.000
L38	29.75 - 24.75 (38)	P48x0.7125	22.641	1200.310	0.019	0.945	4990.225	0.000
L39	24.75 - 19.75 (39)	P48x0.7125	23.265	1200.310	0.019	0.945	4990.225	0.000
L40	19.75 - 14.75 (40)	P48x0.7125	23.876	1200.310	0.020	0.945	4990.225	0.000
L41	14.75 - 9.75 (41)	P48x0.7125	24.473	1200.310	0.020	0.945	4990.225	0.000
L42	9.75 - 4.75 (42)	P48x0.7125	25.055	1200.310	0.021	0.945	4990.225	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 $\frac{T_u}{\phi T_n}$
L43	4.75 - 0 (43)	P48x0.7125	25.596	1200.310	0.021	0.945	4990.225	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	180 - 175 (1)	0.004	0.028	0.000	0.018	0.000	0.033 ✔	1.050	4.8.2 ✔
L2	175 - 170 (2)	0.005	0.075	0.000	0.019	0.000	0.080 ✔	1.050	4.8.2 ✔
L3	170 - 165 (3)	0.006	0.125	0.000	0.021	0.000	0.131 ✔	1.050	4.8.2 ✔
L4	165 - 160 (4)	0.006	0.179	0.000	0.022	0.000	0.186 ✔	1.050	4.8.2 ✔
L5	160 - 155 (5)	0.013	0.295	0.000	0.045	0.001	0.310 ✔	1.050	4.8.2 ✔
L6	155 - 150 (6)	0.014	0.412	0.000	0.047	0.001	0.428 ✔	1.050	4.8.2 ✔
L7	150 - 145 (7)	0.007	0.223	0.000	0.025	0.000	0.231 ✔	1.050	4.8.2 ✔
L8	145 - 140 (8)	0.008	0.276	0.000	0.026	0.000	0.285 ✔	1.050	4.8.2 ✔
L9	140 - 135 (9)	0.009	0.330	0.000	0.027	0.000	0.340 ✔	1.050	4.8.2 ✔
L10	135 - 130 (10)	0.009	0.387	0.000	0.028	0.000	0.397 ✔	1.050	4.8.2 ✔
L11	130 - 125 (11)	0.010	0.445	0.000	0.028	0.000	0.456 ✔	1.050	4.8.2 ✔
L12	125 - 120 (12)	0.011	0.505	0.000	0.029	0.000	0.517 ✔	1.050	4.8.2 ✔
L13	120 - 115 (13)	0.010	0.403	0.000	0.027	0.001	0.413 ✔	1.050	4.8.2 ✔
L14	115 - 110 (14)	0.011	0.449	0.000	0.028	0.001	0.460 ✔	1.050	4.8.2 ✔
L15	110 - 107.583 (15)	0.011	0.472	0.000	0.029	0.001	0.484 ✔	1.050	4.8.2 ✔
L16	107.583 - 107.333 (16)	0.007	0.326	0.000	0.020	0.000	0.334 ✔	1.050	4.8.2 ✔
L17	107.333 - 102.333 (17)	0.008	0.361	0.000	0.021	0.000	0.369 ✔	1.050	4.8.2 ✔
L18	102.333 - 97.333 (18)	0.009	0.397	0.000	0.022	0.000	0.406 ✔	1.050	4.8.2 ✔
L19	97.333 - 92.333 (19)	0.009	0.435	0.000	0.023	0.000	0.445 ✔	1.050	4.8.2 ✔
L20	92.333 - 90 (20)	0.010	0.454	0.000	0.024	0.000	0.464 ✔	1.050	4.8.2 ✔
L21	90 - 89.75 (21)	0.007	0.287	0.000	0.018	0.000	0.294	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L22	89.75 - 84.75 (22)	0.008	0.313	0.000	0.018	0.000	0.321	1.050	4.8.2
L23	84.75 - 79.75 (23)	0.008	0.340	0.000	0.018	0.000	0.348	1.050	4.8.2
L24	79.75 - 74.75 (24)	0.009	0.367	0.000	0.019	0.000	0.376	1.050	4.8.2
L25	74.75 - 69.75 (25)	0.009	0.395	0.000	0.019	0.000	0.405	1.050	4.8.2
L26	69.75 - 64.75 (26)	0.010	0.423	0.000	0.020	0.000	0.434	1.050	4.8.2
L27	64.75 - 60 (27)	0.011	0.451	0.000	0.020	0.000	0.462	1.050	4.8.2
L28	60 - 59.75 (28)	0.012	0.441	0.000	0.023	0.000	0.453	1.050	4.8.2
L29	59.75 - 54.75 (29)	0.013	0.470	0.000	0.023	0.000	0.483	1.050	4.8.2
L30	54.75 - 49.75 (30)	0.013	0.499	0.000	0.024	0.000	0.513	1.050	4.8.2
L31	49.75 - 46.583 (31)	0.014	0.519	0.000	0.024	0.000	0.533	1.050	4.8.2
L32	46.583 - 46.333 (32)	0.010	0.373	0.000	0.017	0.000	0.383	1.050	4.8.2
L33	46.333 - 41.333 (33)	0.010	0.395	0.000	0.018	0.000	0.406	1.050	4.8.2
L34	41.333 - 36.333 (34)	0.011	0.418	0.000	0.018	0.000	0.430	1.050	4.8.2
L35	36.333 - 31.333 (35)	0.011	0.443	0.000	0.019	0.000	0.454	1.050	4.8.2
L36	31.333 - 30 (36)	0.011	0.449	0.000	0.019	0.000	0.461	1.050	4.8.2
L37	30 - 29.75 (37)	0.011	0.424	0.000	0.018	0.000	0.435	1.050	4.8.2
L38	29.75 - 24.75 (38)	0.011	0.447	0.000	0.019	0.000	0.459	1.050	4.8.2
L39	24.75 - 19.75 (39)	0.012	0.472	0.000	0.019	0.000	0.484	1.050	4.8.2
L40	19.75 - 14.75 (40)	0.013	0.497	0.000	0.020	0.000	0.510	1.050	4.8.2
L41	14.75 - 9.75 (41)	0.013	0.522	0.000	0.020	0.000	0.536	1.050	4.8.2
L42	9.75 - 4.75 (42)	0.014	0.549	0.000	0.021	0.000	0.563	1.050	4.8.2
L43	4.75 - 0 (43)	0.014	0.574	0.000	0.021	0.000	0.589	1.050	4.8.2

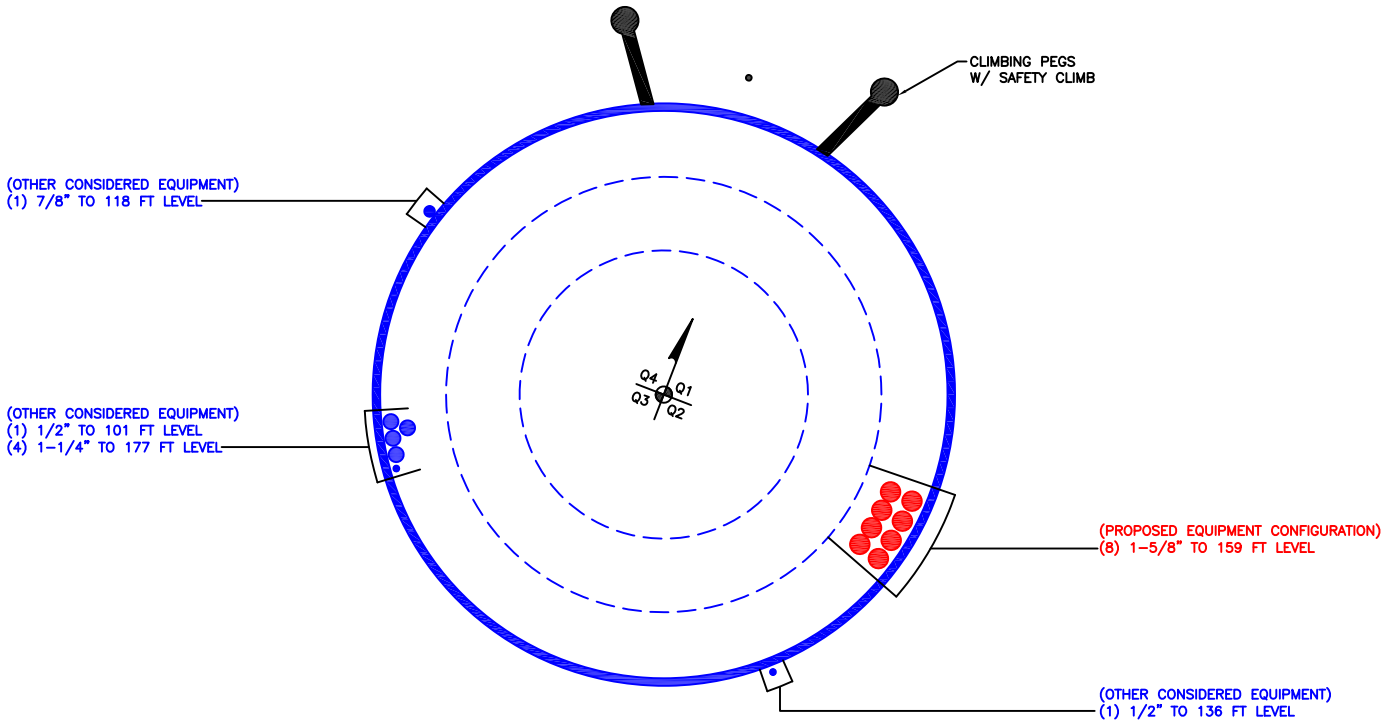
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	180 - 175	Pole	P24x0.25	1	-2.913	695.378	**	**
L2	175 - 170	Pole	P24x0.25	2	-3.305	695.378	**	**
L3	170 - 165	Pole	P24x0.25	3	-3.699	695.378	**	**
L4	165 - 160	Pole	P24x0.25	4	-4.109	695.378	**	**
L5	160 - 155	Pole	P24x0.25	5	-8.511	695.378	**	**
L6	155 - 150	Pole	P24x0.25	6	-8.997	695.378	**	**
L7	150 - 145	Pole	P30x0.375	7	-9.801	1376.613	**	**
L8	145 - 140	Pole	P30x0.375	8	-10.607	1376.613	**	**
L9	140 - 135	Pole	P30x0.375	9	-11.497	1376.613	**	**
L10	135 - 130	Pole	P30x0.375	10	-12.313	1376.613	**	**
L11	130 - 125	Pole	P30x0.375	11	-13.136	1376.613	**	**
L12	125 - 120	Pole	P30x0.375	12	-13.965	1376.613	**	**
L13	120 - 115	Pole	P36x0.375	13	-15.026	1564.605	**	**
L14	115 - 110	Pole	P36x0.375	14	-15.970	1564.605	**	**
L15	110 - 107.583	Pole	P36x0.375	15	-16.432	1564.605	**	**
L16	107.583 - 107.333	Pole	P36x0.525	16	-16.500	2322.274	**	**
L17	107.333 - 102.333	Pole	P36x0.525	17	-17.796	2322.274	**	**
L18	102.333 - 97.333	Pole	P36x0.525	18	-19.182	2322.274	**	**
L19	97.333 - 92.333	Pole	P36x0.525	19	-20.493	2322.274	**	**
L20	92.333 - 90	Pole	P36x0.525	20	-21.106	2322.274	**	**
L21	90 - 89.75	Pole	P42x0.6125	21	-21.198	3160.867	**	**
L22	89.75 - 84.75	Pole	P42x0.6125	22	-22.939	3160.867	**	**
L23	84.75 - 79.75	Pole	P42x0.6125	23	-24.685	3160.867	**	**
L24	79.75 - 74.75	Pole	P42x0.6125	24	-26.434	3160.867	**	**
L25	74.75 - 69.75	Pole	P42x0.6125	25	-28.187	3160.867	**	**
L26	69.75 - 64.75	Pole	P42x0.6125	26	-29.943	3160.867	**	**
L27	64.75 - 60	Pole	P42x0.6125	27	-31.615	3160.867	**	**
L28	60 - 59.75	Pole	P48x0.5	28	-31.704	2781.513	**	**
L29	59.75 - 54.75	Pole	P48x0.5	29	-33.349	2781.513	**	**
L30	54.75 - 49.75	Pole	P48x0.5	30	-34.999	2781.513	**	**
L31	49.75 - 46.583	Pole	P48x0.5	31	-36.041	2781.513	**	**
L32	46.583 - 46.333	Pole	P48x0.675	32	-36.153	3983.143	**	**
L33	46.333 - 41.333	Pole	P48x0.675	33	-38.311	3983.143	**	**
L34	41.333 - 36.333	Pole	P48x0.675	34	-40.475	3983.143	**	**
L35	36.333 - 31.333	Pole	P48x0.675	35	-42.644	3983.143	**	**
L36	31.333 - 30	Pole	P48x0.675	36	-43.222	3983.143	**	**
L37	30 - 29.75	Pole	P48x0.7125	37	-43.346	4201.092	**	**
L38	29.75 - 24.75	Pole	P48x0.7125	38	-45.630	4201.092	**	**
L39	24.75 - 19.75	Pole	P48x0.7125	39	-47.922	4201.092	**	**
L40	19.75 - 14.75	Pole	P48x0.7125	40	-50.218	4201.092	**	**
L41	14.75 - 9.75	Pole	P48x0.7125	41	-52.519	4201.092	**	**
L42	9.75 - 4.75	Pole	P48x0.7125	42	-54.825	4201.092	**	**
L43	4.75 - 0	Pole	P48x0.7125	43	-57.019	4201.092	**	**
							Summary	
						Pole (L43)	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876337

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876337

Work Order: 2246241

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	180	30		0	24	24	0.25		A53-B-42
2	150	30		0	30.00	30	0.375		A53-B-42
3	120	30		0	36.00	36	0.375		A53-B-42
4	90	30		0	42.00	42	0.375		A53-B-42
5	60	30		0	48.00	48	0.5		A53-B-42
6	30	30		0	48.00	48	0.5		A53-B-42

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	30	channel	MP3-08 (1.1875in)	3	0						126						234					
2	30	46.583	channel	MP3-06 (1.1875in)	3	0						126						234					
3	60	90	channel	MP3-08 (1.1875in)	3	0						126						234					
4	90	107.583	channel	MP3-05 (1.1875in)	3	0						126						234					
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	7.93	2.8	10.32	0.95	PC 8.8 - M20 (100)	47	PC 8.8 - M20 (100)	44.000	24.000	9.370	1.1875	A572-65
2	6.89	2.61	8.47	0.93	PC 8.8 - M20 (100)	41	PC 8.8 - M20 (100)	41.000	24.000	7.670	1.1875	A572-65
3	7.93	2.8	10.32	0.95	PC 8.8 - M20 (100)	47	PC 8.8 - M20 (100)	44.000	24.000	9.370	1.1875	A572-65
4	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	180 - 175	5		0	24.000	24.000	0.25	A53-B-42	1.000
2	175 - 170	5		0	24.000	24.000	0.25	A53-B-42	1.000
3	170 - 165	5		0	24.000	24.000	0.25	A53-B-42	1.000
4	165 - 160	5		0	24.000	24.000	0.25	A53-B-42	1.000
5	160 - 155	5		0	24.000	24.000	0.25	A53-B-42	1.000
6	155 - 150	5	0	0	24.000	24.000	0.25	A53-B-42	1.000
7	150 - 145	5		0	30.000	30.000	0.375	A53-B-42	1.000
8	145 - 140	5		0	30.000	30.000	0.375	A53-B-42	1.000
9	140 - 135	5		0	30.000	30.000	0.375	A53-B-42	1.000
10	135 - 130	5		0	30.000	30.000	0.375	A53-B-42	1.000
11	130 - 125	5		0	30.000	30.000	0.375	A53-B-42	1.000
12	125 - 120	5	0	0	30.000	30.000	0.375	A53-B-42	1.000
13	120 - 115	5		0	36.000	36.000	0.375	A53-B-42	1.000
14	115 - 110	5		0	36.000	36.000	0.375	A53-B-42	1.000
15	110 - 107.583	2.417		0	36.000	36.000	0.375	A53-B-42	1.000
16	107.583 - 107.333	0.25		0	36.000	36.000	0.525	A53-B-42	1.007
17	107.333 - 102.333	5		0	36.000	36.000	0.525	A53-B-42	1.007
18	102.333 - 97.333	5		0	36.000	36.000	0.525	A53-B-42	1.007
19	97.333 - 92.333	5		0	36.000	36.000	0.525	A53-B-42	1.007
20	92.333 - 90	2.333	0	0	36.000	36.000	0.525	A53-B-42	1.007
21	90 - 89.75	0.25		0	42.000	42.000	0.6125	A53-B-42	1.005
22	89.75 - 84.75	5		0	42.000	42.000	0.6125	A53-B-42	1.005
23	84.75 - 79.75	5		0	42.000	42.000	0.6125	A53-B-42	1.005
24	79.75 - 74.75	5		0	42.000	42.000	0.6125	A53-B-42	1.005
25	74.75 - 69.75	5		0	42.000	42.000	0.6125	A53-B-42	1.005
26	69.75 - 64.75	5		0	42.000	42.000	0.6125	A53-B-42	1.005
27	64.75 - 60	4.75	0	0	42.000	42.000	0.6125	A53-B-42	1.005
28	60 - 59.75	0.25		0	48.000	48.000	0.5	A53-B-42	1.000
29	59.75 - 54.75	5		0	48.000	48.000	0.5	A53-B-42	1.000
30	54.75 - 49.75	5		0	48.000	48.000	0.5	A53-B-42	1.000
31	49.75 - 46.583	3.167		0	48.000	48.000	0.5	A53-B-42	1.000
32	46.583 - 46.333	0.25		0	48.000	48.000	0.675	A53-B-42	0.997
33	46.333 - 41.333	5		0	48.000	48.000	0.675	A53-B-42	0.997
34	41.333 - 36.333	5		0	48.000	48.000	0.675	A53-B-42	0.997
35	36.333 - 31.333	5		0	48.000	48.000	0.675	A53-B-42	0.997
36	31.333 - 30	1.333	0	0	48.000	48.000	0.675	A53-B-42	0.997
37	30 - 29.75	0.25		0	48.000	48.000	0.7125	A53-B-42	0.997
38	29.75 - 24.75	5		0	48.000	48.000	0.7125	A53-B-42	0.997
39	24.75 - 19.75	5		0	48.000	48.000	0.7125	A53-B-42	0.997
40	19.75 - 14.75	5		0	48.000	48.000	0.7125	A53-B-42	0.997
41	14.75 - 9.75	5		0	48.000	48.000	0.7125	A53-B-42	0.997
42	9.75 - 4.75	5		0	48.000	48.000	0.7125	A53-B-42	0.997
43	4.75 - 0	4.75		0	48.000	48.000	0.7125	A53-B-42	0.997

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	180 - 175	2.91	11.24	3.54
2	175 - 170	3.31	29.70	3.84
3	170 - 165	3.70	49.66	4.14
4	165 - 160	4.11	71.10	4.44
5	160 - 155	8.51	117.11	9.16
6	155 - 150	9.00	163.56	9.43
7	150 - 145	9.80	211.59	9.79
8	145 - 140	10.61	261.43	10.15
9	140 - 135	11.50	313.20	10.54
10	135 - 130	12.31	366.74	10.88
11	130 - 125	13.14	421.95	11.21
12	125 - 120	13.94	478.77	11.54
13	120 - 115	15.03	538.96	12.21
14	115 - 110	15.97	601.07	12.62
15	110 - 107.583	16.43	631.99	12.98
16	107.583 - 107.333	16.50	635.23	13.01
17	107.333 - 102.333	17.80	702.17	13.77
18	102.333 - 97.333	19.18	773.15	14.57
19	97.333 - 92.333	20.49	847.75	15.28
20	92.333 - 90	21.11	883.77	15.61
21	90 - 89.75	21.20	887.72	15.82
22	89.75 - 84.75	22.94	967.85	16.24
23	84.75 - 79.75	24.68	1050.07	16.65
24	79.75 - 74.75	26.43	1134.29	17.05
25	74.75 - 69.75	28.19	1220.45	17.43
26	69.75 - 64.75	29.94	1308.45	17.79
27	64.75 - 60	31.61	1393.69	18.11
28	60 - 59.75	31.70	1398.26	18.30
29	59.75 - 54.75	33.35	1490.69	18.69
30	54.75 - 49.75	35.00	1585.00	19.05
31	49.75 - 46.583	36.04	1646.05	19.52
32	46.583 - 46.333	36.15	1650.93	19.55
33	46.333 - 41.333	38.31	1750.54	20.30
34	41.333 - 36.333	40.48	1853.74	21.00
35	36.333 - 31.333	42.64	1960.37	21.66
36	31.333 - 30	43.22	1989.35	21.84
37	30 - 29.75	43.35	1994.85	22.00
38	29.75 - 24.75	45.63	2106.42	22.64
39	24.75 - 19.75	47.92	2221.15	23.26
40	19.75 - 14.75	50.22	2338.95	23.88
41	14.75 - 9.75	52.52	2459.77	24.47
42	9.75 - 4.75	54.82	2583.54	25.05
43	4.75 - 0	57.02	2703.77	25.60

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
180 - 175	Pole	TP24x24x0.25	Pole	3.1%	Pass
175 - 170	Pole	TP24x24x0.25	Pole	7.6%	Pass
170 - 165	Pole	TP24x24x0.25	Pole	12.5%	Pass
165 - 160	Pole	TP24x24x0.25	Pole	17.7%	Pass
160 - 155	Pole	TP24x24x0.25	Pole	29.5%	Pass
155 - 150	Pole	TP24x24x0.25	Pole	40.8%	Pass
150 - 145	Pole	TP30x30x0.375	Pole	22.0%	Pass
145 - 140	Pole	TP30x30x0.375	Pole	27.1%	Pass
140 - 135	Pole	TP30x30x0.375	Pole	32.4%	Pass
135 - 130	Pole	TP30x30x0.375	Pole	37.8%	Pass
130 - 125	Pole	TP30x30x0.375	Pole	43.4%	Pass
125 - 120	Pole	TP30x30x0.375	Pole	49.2%	Pass
120 - 115	Pole	TP36x36x0.375	Pole	39.4%	Pass
115 - 110	Pole	TP36x36x0.375	Pole	43.8%	Pass
110 - 107.58	Pole	TP36x36x0.375	Pole	46.1%	Pass
107.58 - 107.33	Pole + Reinf.	TP36x36x0.525	Pole	33.1%	Pass
107.33 - 102.33	Pole + Reinf.	TP36x36x0.525	Pole	36.6%	Pass
102.33 - 97.33	Pole + Reinf.	TP36x36x0.525	Pole	40.3%	Pass
97.33 - 92.33	Pole + Reinf.	TP36x36x0.525	Pole	44.1%	Pass
92.33 - 90	Pole + Reinf.	TP36x36x0.525	Pole	46.0%	Pass
90 - 89.75	Pole + Reinf.	TP42x42x0.6125	Pole	29.7%	Pass
89.75 - 84.75	Pole + Reinf.	TP42x42x0.6125	Pole	32.4%	Pass
84.75 - 79.75	Pole + Reinf.	TP42x42x0.6125	Pole	35.2%	Pass
79.75 - 74.75	Pole + Reinf.	TP42x42x0.6125	Pole	38.0%	Pass
74.75 - 69.75	Pole + Reinf.	TP42x42x0.6125	Pole	40.9%	Pass
69.75 - 64.75	Pole + Reinf.	TP42x42x0.6125	Pole	43.8%	Pass
64.75 - 60	Pole + Reinf.	TP42x42x0.6125	Pole	46.6%	Pass
60 - 59.75	Pole	TP48x48x0.5	Pole	43.1%	Pass
59.75 - 54.75	Pole	TP48x48x0.5	Pole	46.0%	Pass
54.75 - 49.75	Pole	TP48x48x0.5	Pole	48.9%	Pass
49.75 - 46.58	Pole	TP48x48x0.5	Pole	50.7%	Pass
46.58 - 46.33	Pole + Reinf.	TP48x48x0.675	Pole	38.2%	Pass
46.33 - 41.33	Pole + Reinf.	TP48x48x0.675	Pole	40.5%	Pass
41.33 - 36.33	Pole + Reinf.	TP48x48x0.675	Pole	42.9%	Pass
36.33 - 31.33	Pole + Reinf.	TP48x48x0.675	Pole	45.3%	Pass
31.33 - 30	Pole + Reinf.	TP48x48x0.675	Pole	46.0%	Pass
30 - 29.75	Pole + Reinf.	TP48x48x0.7125	Pole	43.7%	Pass
29.75 - 24.75	Pole + Reinf.	TP48x48x0.7125	Pole	46.2%	Pass
24.75 - 19.75	Pole + Reinf.	TP48x48x0.7125	Pole	48.7%	Pass
19.75 - 14.75	Pole + Reinf.	TP48x48x0.7125	Pole	51.2%	Pass
14.75 - 9.75	Pole + Reinf.	TP48x48x0.7125	Pole	53.9%	Pass
9.75 - 4.75	Pole + Reinf.	TP48x48x0.7125	Pole	56.6%	Pass
4.75 - 0	Pole + Reinf.	TP48x48x0.7125	Pole	59.2%	Pass
				Summary	
			Pole	59.2%	Pass
			Reinforcement	48.6%	Pass
			Overall	59.2%	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
180 - 175	1315	n/a	1315	18.65	n/a	18.65	3.1%				
175 - 170	1315	n/a	1315	18.65	n/a	18.65	7.6%				
170 - 165	1315	n/a	1315	18.65	n/a	18.65	12.5%				
165 - 160	1315	n/a	1315	18.65	n/a	18.65	17.7%				
160 - 155	1315	n/a	1315	18.65	n/a	18.65	29.5%				
155 - 150	1315	n/a	1315	18.65	n/a	18.65	40.8%				
150 - 145	3829	n/a	3829	34.90	n/a	34.90	22.0%				
145 - 140	3829	n/a	3829	34.90	n/a	34.90	27.1%				
140 - 135	3829	n/a	3829	34.90	n/a	34.90	32.4%				
135 - 130	3829	n/a	3829	34.90	n/a	34.90	37.8%				
130 - 125	3829	n/a	3829	34.90	n/a	34.90	43.4%				
125 - 120	3829	n/a	3829	34.90	n/a	34.90	49.2%				
120 - 115	6659	n/a	6659	41.97	n/a	41.97	39.4%				
115 - 110	6659	n/a	6659	41.97	n/a	41.97	43.8%				
110 - 107.58	6659	n/a	6659	41.97	n/a	41.97	46.1%				
107.58 - 107.33	6659	2629	9288	41.97	16.95	58.92	33.1%				28.1%
107.33 - 102.33	6659	2629	9288	41.97	16.95	58.92	36.6%				31.0%
102.33 - 97.33	6659	2629	9288	41.97	16.95	58.92	40.3%				34.2%
97.33 - 92.33	6659	2629	9288	41.97	16.95	58.92	44.1%				37.4%
92.33 - 90	6659	2629	9288	41.97	16.95	58.92	46.0%				39.0%
90 - 89.75	10622	6570	17191	49.04	30.96	80.00	29.7%			25.1%	
89.75 - 84.75	10622	6570	17191	49.04	30.96	80.00	32.4%			26.0%	
84.75 - 79.75	10622	6570	17191	49.04	30.96	80.00	35.2%			28.2%	
79.75 - 74.75	10622	6570	17191	49.04	30.96	80.00	38.0%			30.5%	
74.75 - 69.75	10622	6570	17191	49.04	30.96	80.00	40.9%			32.8%	
69.75 - 64.75	10622	6570	17191	49.04	30.96	80.00	43.8%			35.2%	
64.75 - 60	10622	6570	17191	49.04	30.96	80.00	46.6%			37.4%	
60 - 59.75	21045	n/a	21045	74.61	n/a	74.61	43.1%				
59.75 - 54.75	21045	n/a	21045	74.61	n/a	74.61	46.0%				
54.75 - 49.75	21045	n/a	21045	74.61	n/a	74.61	48.9%				
49.75 - 46.58	21045	n/a	21045	74.61	n/a	74.61	50.7%				
46.58 - 46.33	21046	6934	27979	74.61	25.41	100.02	38.2%		31.6%		
46.33 - 41.33	21046	6934	27979	74.61	25.41	100.02	40.5%		33.5%		
41.33 - 36.33	21046	6934	27979	74.61	25.41	100.02	42.9%		35.5%		
36.33 - 31.33	21046	6934	27979	74.61	25.41	100.02	45.3%		37.5%		
31.33 - 30	21046	6934	27979	74.61	25.41	100.02	46.0%		38.1%		
30 - 29.75	21046	8475	29520	74.61	30.96	105.57	43.7%	37.8%			
29.75 - 24.75	21046	8475	29520	74.61	30.96	105.57	46.2%	37.9%			
24.75 - 19.75	21046	8475	29520	74.61	30.96	105.57	48.7%	40.0%			
19.75 - 14.75	21046	8475	29520	74.61	30.96	105.57	51.2%	42.1%			
14.75 - 9.75	21046	8475	29520	74.61	30.96	105.57	53.9%	44.2%			
9.75 - 4.75	21046	8475	29520	74.61	30.96	105.57	56.6%	46.5%			
4.75 - 0	21046	8475	29520	74.61	30.96	105.57	59.2%	48.6%			

Note: Section capacity checked using 5 degree increments.

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

Monopole Flange Plate Connection

Elevation = 150 ft.

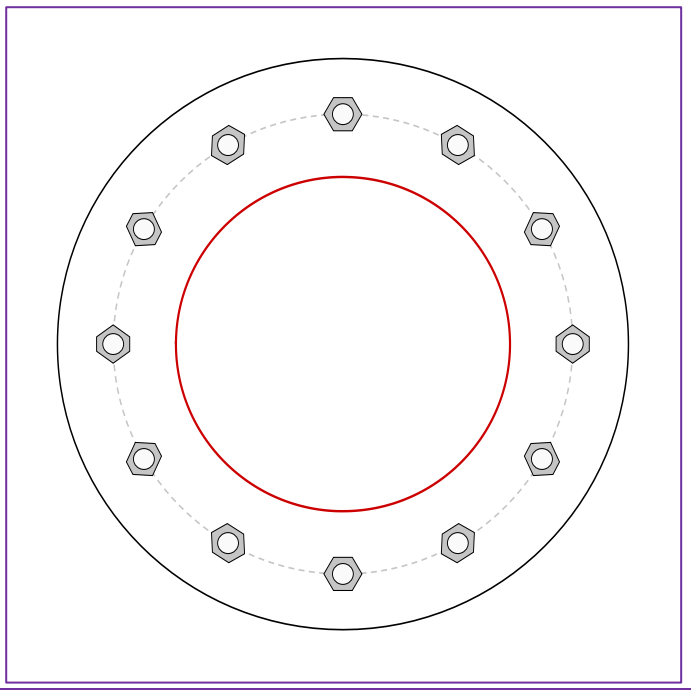
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

TIA-222 Revision	H

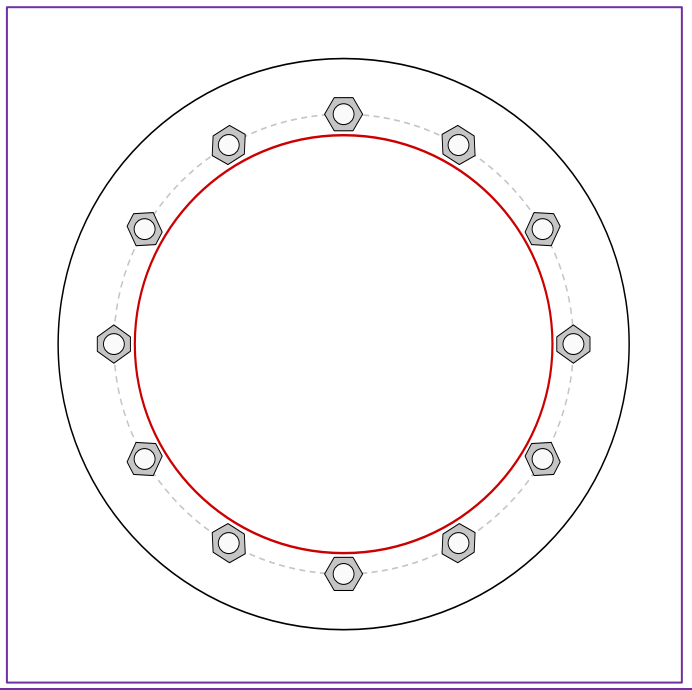
Applied Loads	
Moment (kip-ft)	163.56
Axial Force (kips)	9.00
Shear Force (kips)	9.43

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(12) 1-1/2" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 33" BC

Top Plate Data

41" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

41" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

24" x 0.25" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	19.06	
Allowable (kips)	126.89	
Stress Rating:	**14.3%**	**Pass**

Top Plate Capacity

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

Bottom Plate Capacity

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

Monopole Flange Plate Connection

Elevation = 120 ft.

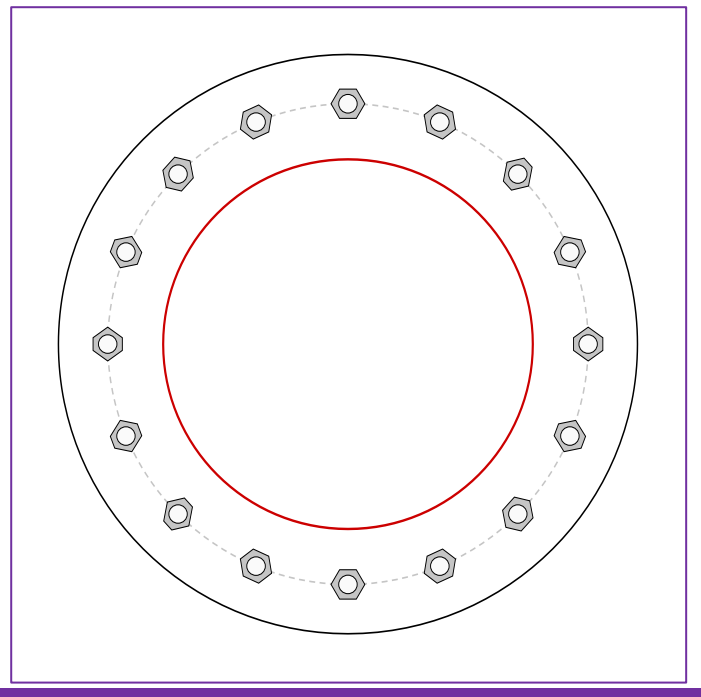
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

TIA-222 Revision	H

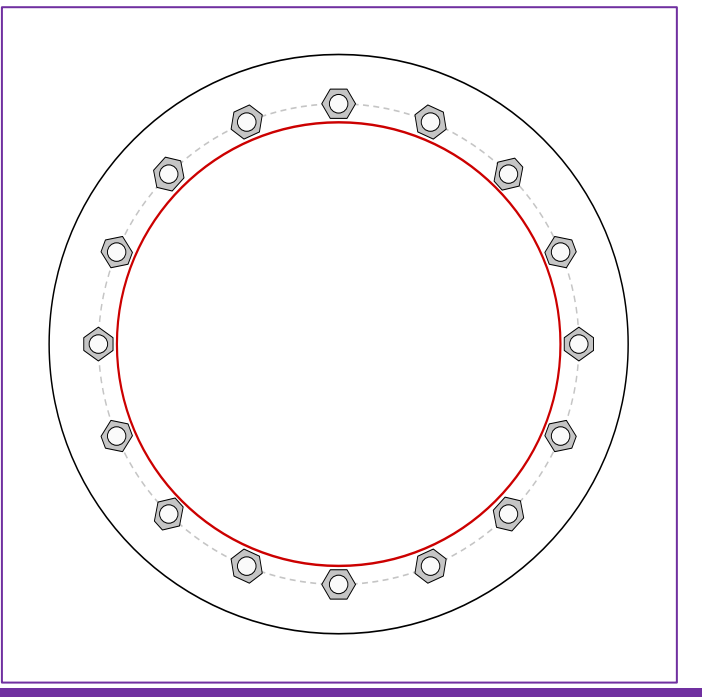
Applied Loads	
Moment (kip-ft)	478.77
Axial Force (kips)	13.94
Shear Force (kips)	11.54

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(16) 1-1/2" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

47" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

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

Bottom Plate Data

47" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	35.93	
Allowable (kips)	126.89	
Stress Rating:	**27.0%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	15.31	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**45.0%**	**Pass**
Tension Side Stress Rating:	**24.0%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	5.55	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**16.3%**	**Pass**
Tension Side Stress Rating:	**3.9%**	**Pass**

Monopole Flange Plate Connection

Elevation = 90 ft.

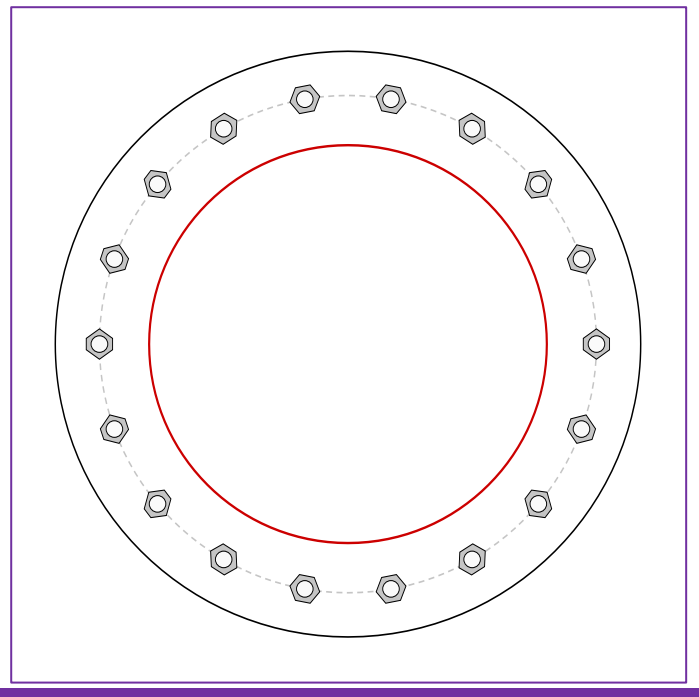
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

TIA-222 Revision	H

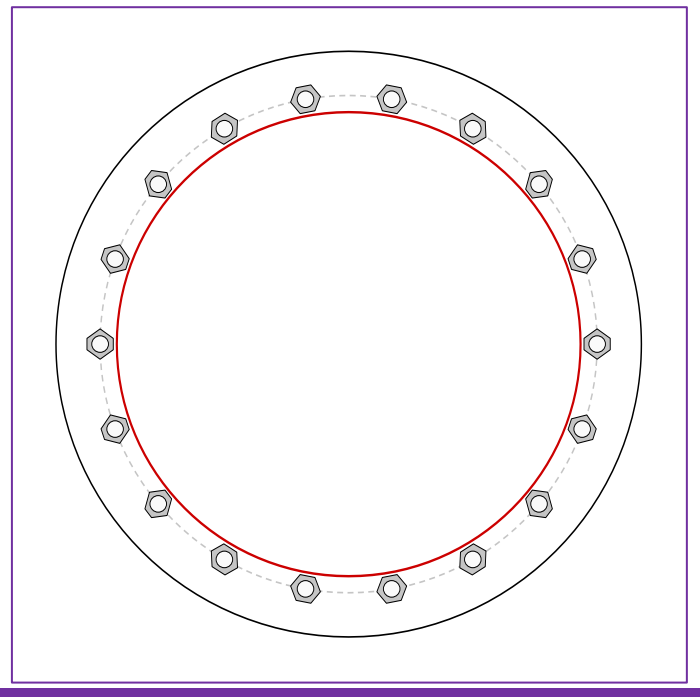
Applied Loads	
Moment (kip-ft)	883.77
Axial Force (kips)	21.11
Shear Force (kips)	15.61

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(18) 1-1/2" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

53" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

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

Bottom Plate Data

53" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	51.18	
Allowable (kips)	126.89	
Stress Rating:	**38.4%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	21.36	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**62.8%**	**Pass**
Tension Side Stress Rating:	**31.8%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	7.56	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**22.2%**	**Pass**
Tension Side Stress Rating:	**5.3%**	**Pass**

Monopole Flange Plate Connection

Elevation = 60 ft.

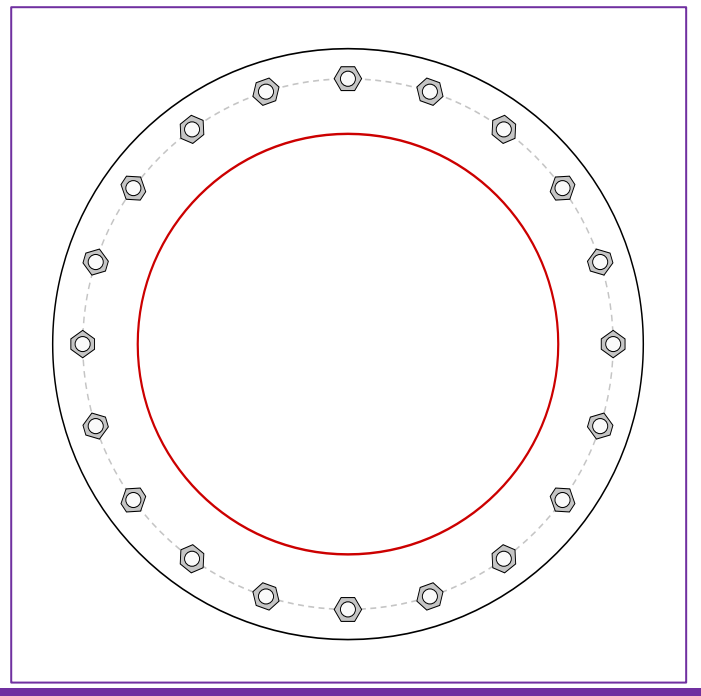
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

TIA-222 Revision	H

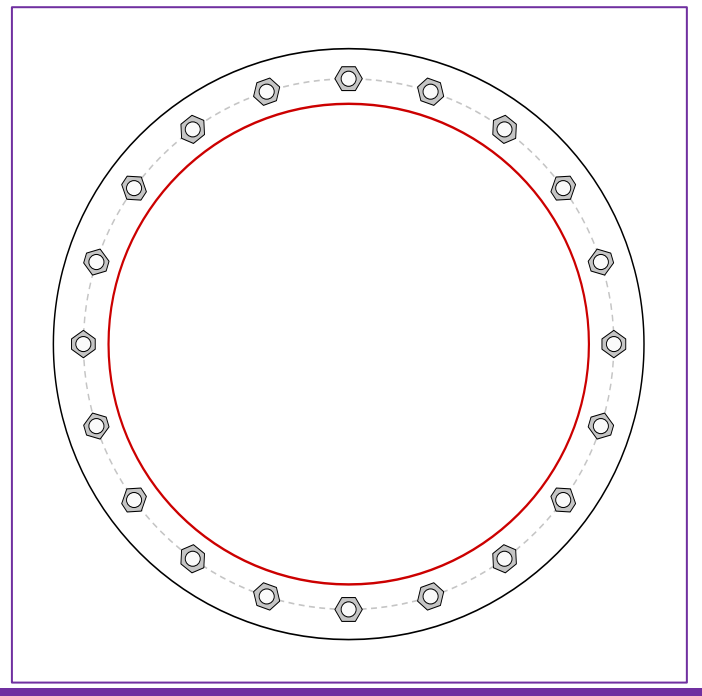
Applied Loads	
Moment (kip-ft)	1057.18
Axial Force (kips)	31.61
Shear Force (kips)	18.11

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(20) 1-1/2" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC

Top Plate Data

59" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

59" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

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

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	46.28	
Allowable (kips)	126.89	
Stress Rating:	**34.7%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	22.78	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**67.0%**	**Pass**
Tension Side Stress Rating:	**34.4%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	10.54	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**31.0%**	**Pass**
Tension Side Stress Rating:	**10.9%**	**Pass**

Monopole Flange Plate Connection

Elevation = 30 ft.

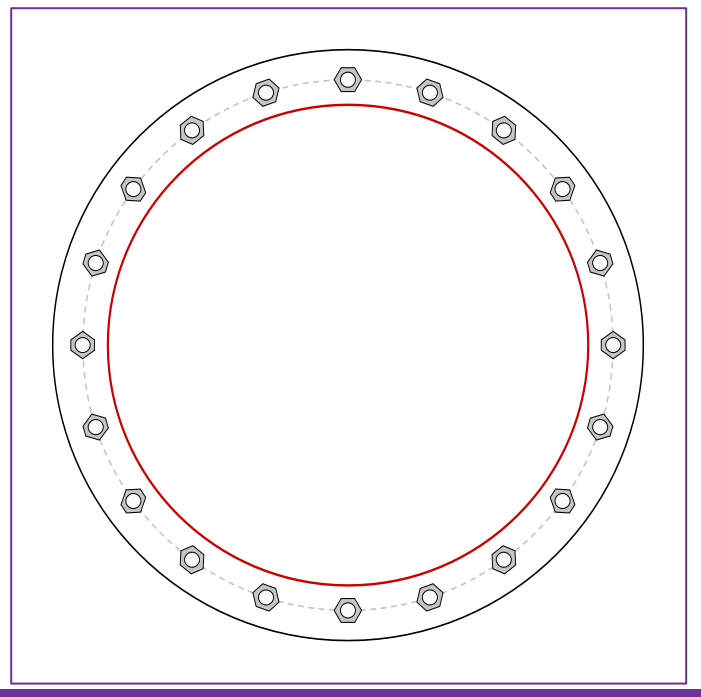
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

TIA-222 Revision	H

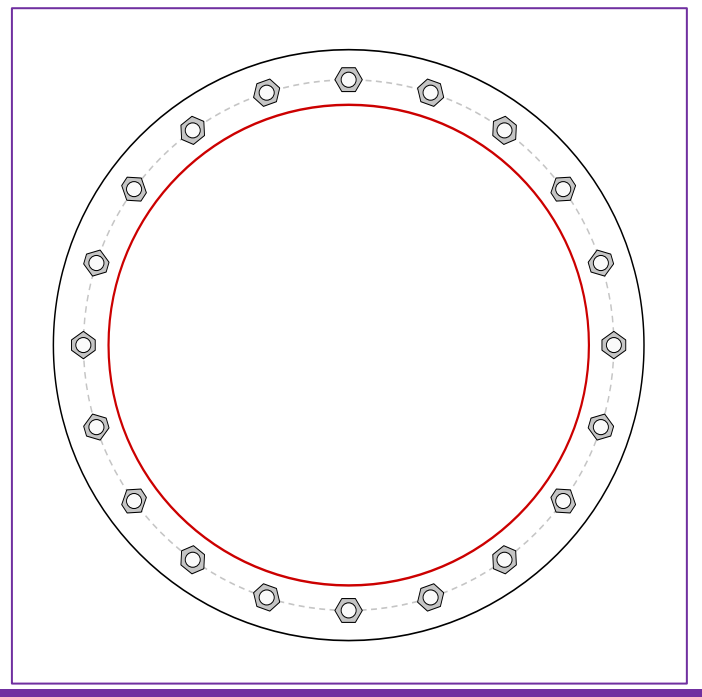
Applied Loads	
Moment (kip-ft)	1454.02
Axial Force (kips)	43.22
Shear Force (kips)	21.84

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(20) 1-1/2" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC

Top Plate Data

59" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

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

Bottom Plate Data

59" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	63.66	
Allowable (kips)	126.89	
Stress Rating:	**47.8%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	14.50	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**42.6%**	**Pass**
Tension Side Stress Rating:	**15.0%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	14.50	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**42.6%**	**Pass**
Tension Side Stress Rating:	**15.0%**	**Pass**

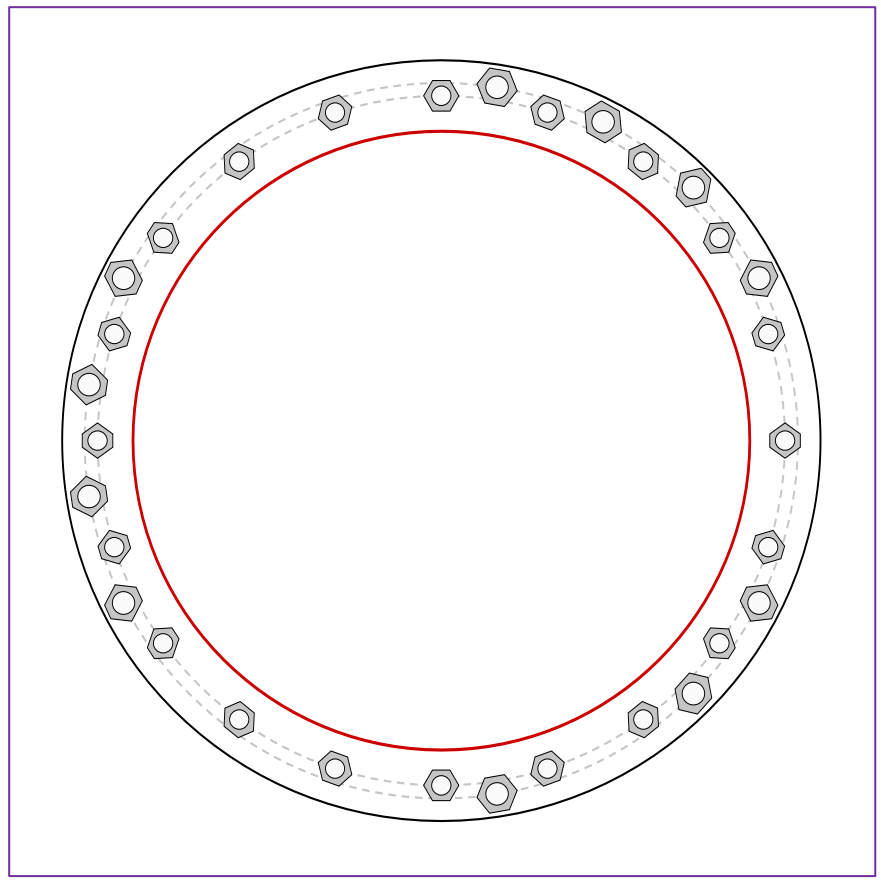
Monopole Base Plate Connection

Site Info	
BU #	876337
Site Name	ORELINE SANITATION,
Order #	654612, Rev. 0

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

Applied Loads	
Moment (kip-ft)	2703.77
Axial Force (kips)	57.02
Shear Force (kips)	25.60

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (20) 1-1/2" ø bolts (A354-BC N; Fy=109 ksi, Fu=125 ksi) on 53.5" BC

GROUP 2: (11) 1-3/4" ø bolts (A722 Dywidag N; Fy=120 ksi, Fu=125 ksi) on 55.5" BC

pos. (deg): 27, 45, 63, 81, 153, 171, 189, 207, 279, 315, 333

Base Plate Data

59" OD x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

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

Analysis Results

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

GROUP 1:		
Pu_t = 63.76	ϕPn_t = 132.19	**Stress Rating**
Vu = 1.28	ϕVn = 82.83	**45.9%**
Mu = n/a	ϕMn = n/a	**Pass**

GROUP 2:		
Pu_t = 126.66	ϕPn_t = 241.88	**Stress Rating**
Vu = 0	ϕVn = 120.94	**49.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	16.13	(Flexural)
Allowable Stress (ksi):	32.4	
Stress Rating:	**47.4%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

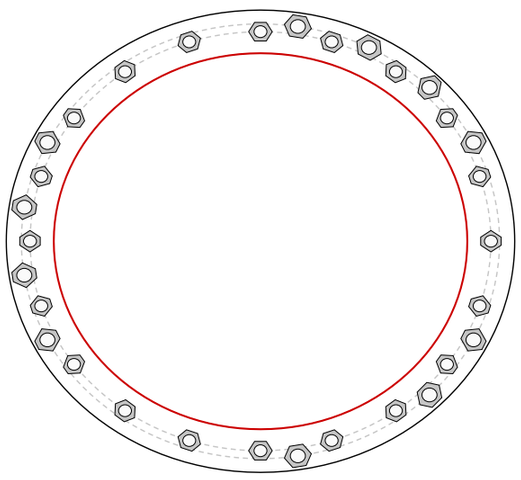
note: Bending interaction not considered when Grout Considered = "Yes"

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	No	No	No	No	No	

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	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
2	1	18	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
3	1	36	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
4	1	54	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
5	1	72	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
6	1	90	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
7	1	108	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
8	1	126	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
9	1	144	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
10	1	162	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
11	1	180	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
12	1	198	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
13	1	216	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
14	1	234	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
15	1	252	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
16	1	270	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
17	1	288	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
18	1	306	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
19	1	324	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
20	1	342	1.5	A354-BC	53.5	0.5	1.5	N-Included		No
21	2	27	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
22	2	45	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
23	2	63	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
24	2	81	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
25	2	153	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
26	2	171	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
27	2	189	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
28	2	207	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
29	2	279	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
30	2	315	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No
31	2	333	1.75	A722 Dywidag	55.5	0.5	0	N-Included	2.58	No

Plot Graphic



Welded-Plate Monopole Bridge Stiffeners
per TIA-222-H

CROWN CASTLE

Site Data

BU#: *876337*
Site Name: *SHORELINE SANITATION, CT*
Order #: *591228, Rev. 0*

Factored Loads at Splice Elevation		
Moment:	1393.69	ft-kips
Axial:	31.61	kips
Shear:	18.11	kips

Elevation:	60	ft

Splice Bolt Data		
Quantity:	20	
Bolt Diameter:	1.5	in
Bolt Circle:	51	in

Pole Data		
Upper Diam:	42	in
Upper Thickness	0.375	in
Lower Diam:	48	in
Lower Thickness	0.5	in
Pipe Steel (Fy):	42	ksi

Bridge Stiffener Data		
Quantity:	3	
Total Length:	54.0	in
Plate Thickness:	1.250	in
Steel Grade (Fy):	65.0	ksi
Steel Ultimate (Fu):	80.0	ksi
Weld Type:	Fillet (both sides)	
Weld Size:	0.375	in
Weld Strength:	70	ksi
Upper Weld Length:	18	in
Upper Weld, C:	3.66	Table 8-4
Upper Plate Width:	6	in
Lower Weld Length:	18	in
Lower Weld, C:	3.66	Table 8-4
Lower Plate Width:	6	in
Gap PL Length:	18.0	in
Gap PL Width:	3	in

Stress Increase Factor		
ASIF:	1.000	

Stiffener Results	61.0%	
Maximum Compression:	105.6	kips
Allowable Compression:	173.2	kips
Compression Stress Ratio:	61.0%	
Maximum Tension:	105.6	kips
Allowable Tension:	219.4	kips
Tension Stress Ratio:	48.1%	
Maximum Flexure:	475.1	in.kips
Allowable Flexure:	3948.8	in.kips
Bending&Shear Stress Ratio:	9.8%	

Weld Results	35.6%	
Upper Weld Eccentric Load:	105.57	kip
Allowable Weld Strength:	296.31	kip
Upper Weld Strength Ratio:	35.6%	
Upper Weld Eccentric Load:	105.57	kip
Allowable Weld Strength:	296.31	kip
Lower Weld Strength Ratio:	35.6%	

Pole Results	31.0%	
Punching Shear Stress:	8.80	kip/in
Allowable Punching Stress:	28.35	kip/in
Punching Shear Stress Ratio:	31.0%	

Loads to Use to Check Flange and Bolts w / CCIPlate		
Moment:	1057.176	ft.kips
Axial:	31.61	kips
Shear:	18.11	kips

Welded-Plate Monopole Bridge Stiffeners
per TIA-222-H

CROWN CASTLE

Site Data

BU#: *876337*
Site Name: *SHORELINE SANITATION, CT*
Order #: *591228, Rev. 0*

Factored Loads at Splice Elevation		
Moment:	1989.35	ft-kips
Axial:	43.22	kips
Shear:	21.84	kips

Elevation:	30	ft

Splice Bolt Data		
Quantity:	20	
Bolt Diameter:	1.5	in
Bolt Circle:	53	in

Pole Data		
Upper Diam:	48	in
Upper Thickness	0.5	in
Lower Diam:	48	in
Lower Thickness	0.5	in
Pipe Steel (Fy):	42	ksi

Bridge Stiffener Data		
Quantity:	3	
Total Length:	48.0	in
Plate Thickness:	1.250	in
Steel Grade (Fy):	65.0	ksi
Steel Ultimate (Fu):	80.0	ksi
Weld Type:	Fillet (both sides)	
Weld Size:	0.375	in
Weld Strength:	70	ksi
Upper Weld Length:	24	in
Upper Weld, C:	3.71	Table 8-4
Upper Plate Width:	6	in
Lower Weld Length:	24	in
Lower Weld, C:	3.71	Table 8-4
Lower Plate Width:	6	in
Gap PL Length:	0.0	in
Gap PL Width:	3	in

Stress Increase Factor		
ASIF:	1.000	

Stiffener Results	68.5%	
Maximum Compression:	150.3	kips
Allowable Compression:	219.4	kips
Compression Stress Ratio:	68.5%	
Maximum Tension:	150.3	kips
Allowable Tension:	219.4	kips
Tension Stress Ratio:	68.5%	
Maximum Flexure:	676.2	in.kips
Allowable Flexure:	7020.0	in.kips
Bending&Shear Stress Ratio:	8.5%	

Weld Results	37.5%	
Upper Weld Eccentric Load:	150.27	kip
Allowable Weld Strength:	400.68	kip
Upper Weld Strength Ratio:	37.5%	
Upper Weld Eccentric Load:	150.27	kip
Allowable Weld Strength:	400.68	kip
Lower Weld Strength Ratio:	37.5%	

Pole Results	18.6%	
Punching Shear Stress:	7.04	kip/in
Allowable Punching Stress:	37.80	kip/in
Punching Shear Stress Ratio:	18.6%	

Loads to Use to Check Flange and Bolts w / CCIPlate		
Moment:	1454.023	ft.kips
Axial:	43.22	kips
Shear:	21.84	kips

Pier and Pad Foundation

BU # :	876337
Site Name:	SHORELINE SANI
App. Number:	654612, Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	57.02	kips
Base Shear, Vu_comp:	25.59	kips
Moment, M_u:	2703.77	ft-kips
Tower Height, **H**:	180	ft
BP Dist. Above Fdn, bp_{dist}:	3	in
Bolt Circle / Bearing Plate Width, **BC**:	53.5	in

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	199.39	25.59	**12.2%**	**Pass**
Bearing Pressure (ksf)	90.00	2.92	**3.1%**	**Pass**
*Overturning (kip*ft)*	7807.87	2889.30	**37.0%**	**Pass**
*Pad Flexure (kip*ft)*	7879.61	1182.60	**14.3%**	**Pass**
Pad Shear - 1-way (kips)	2185.99	99.56	**4.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.001	**0.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	13196.03	0.00	**0.0%**	**Pass**

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

Structural Rating*:	**14.3%**
Soil Rating*:	**37.0%**

Pad Properties

Depth, **D**:	4.35	ft
Pad Width, W_1:	25	ft
Pad Thickness, **T**:	7	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	23	
Pad Clear Cover, cc_{pad}:	5.5	in

Material Properties

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

Soil Properties

Total Soil Unit Weight, γ:	120	pcf
Ultimate Gross Bearing, Qult:	120.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:		
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Company:	B+T Grp	Page:	1
Address:	1717 S. Boulder,Suite 300	Specifier:	Pavithra
Phone I Fax:	| 918-587-4630	E-Mail:	
Design:	85773_876337_Shoreline Sanitation_CB	Date:	7/29/2023
Fastening point:			

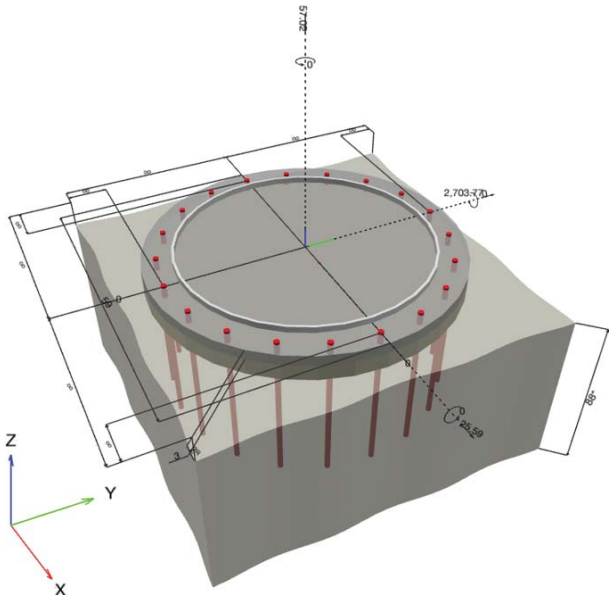
Specifier's comments:

1 Input data

Anchor type and diameter:	**Heavy Hex Head** 1.5 in dia AR
Item number:	not available
Effective embedment depth:	h_{ef} = 63.495 in
Material:	ASTM F 1554
Evaluation Service Report:	Hilti Technical Data
Issued I Valid:	- | -
Proof:	Design Method ACI 318-08 / CIP
Stand-off installation:	without clamping (anchor); restraint level (anchor plate): 2.00; e_b = 3.000 in.; t = 2.000 in.
	Hilti Grout: CB-G EG, epoxy, $f_{c,Grout}$ = 14,939 psi
Anchor plate[R] :	l_x x l_y x t = 59.000 in. x 59.000 in. x 2.000 in.; (Recommended plate thickness: not calculated)
Profile:	Steel pipe, ; (L x W x T) = 48.000 in. x 48.000 in. x 0.500 in.
Base material:	cracked concrete, 4000, f_c' = 4,000 psi; h = 88.000 in.
Reinforcement:	tension: condition B, shear: condition B;
	edge reinforcement: none or < No. 4 bar
Seismic loads (cat. C, D, E, or F)	no

[R] - The anchor calculation is based on a rigid anchor plate assumption.

Geometry [in.] & Loading [kip, ft.kip]

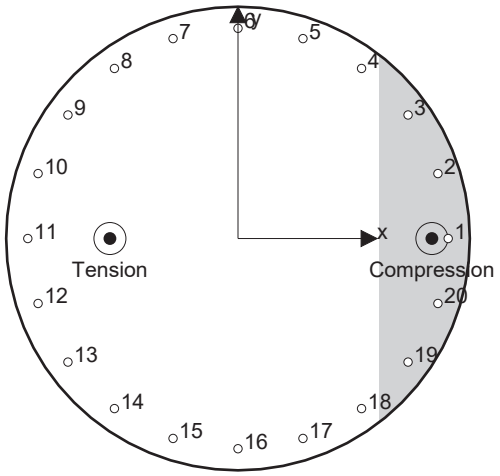


Company:	B+T Grp	Page:	2
Address:	1717 S. Boulder,Suite 300	Specifier:	Pavithra
Phone I Fax:	| 918-587-4630	E-Mail:	
Design:	85773_876337_Shoreline Sanitation_CB	Date:	7/29/2023
Fastening point:			

1.1 Design results

Case	Description	Forces [kip] / Moments [ft.kip]	Seismic	Max. Util. Anchor [%]
1	Combination 1	N = -57.020; V_x = 25.590; V_y = 0.000; M_x = 0.00000; M_y = 2,703.77000; M_z = 0.00000;	no	∞

2 Load case/Resulting anchor forces



Anchor reactions [kip]
Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	0.000	1.280	1.280	0.000
2	0.000	1.280	1.280	0.000
3	0.000	1.280	1.280	0.000
4	4.617	1.280	1.280	0.000
5	19.004	1.280	1.280	0.000
6	34.952	1.280	1.280	0.000
7	50.901	1.280	1.280	0.000
8	65.288	1.280	1.280	0.000
9	76.707	1.280	1.280	0.000
10	84.037	1.280	1.280	0.000
11	86.563	1.280	1.280	0.000
12	84.037	1.280	1.280	0.000
13	76.707	1.280	1.280	0.000
14	65.288	1.280	1.280	0.000
15	50.901	1.280	1.280	0.000
16	34.952	1.280	1.280	0.000
17	19.004	1.280	1.280	0.000
18	4.617	1.280	1.280	0.000
19	0.000	1.280	1.280	0.000
20	0.000	1.280	1.280	0.000

max. concrete compressive strain:	1.25 [‰]
max. concrete compressive stress:	5,437 [psi]
resulting tension force in (x/y)=(-16.298/-0.000):	757.576 [kip]
resulting compression force in (x/y)=(24.673/-0.000):	814.596 [kip]

Anchor forces are calculated based on the assumption of a rigid anchor plate.

Company:	B+T Grp	Page:	3
Address:	1717 S. Boulder,Suite 300	Specifier:	Pavithra
Phone I Fax:	| 918-587-4630	E-Mail:	
Design:	85773_876337_Shoreline Sanitation_CB	Date:	7/29/2023
Fastening point:			

3 Tension load

	Load N_{ua} [kip]	Capacity ϕ N_n [kip]	Utilization $\beta_N = N_{ua}/\phi$ N_n	Rev H
Steel Strength*	86.563	132.1875	65.48%	62.37%
Concrete Breakout Failure**	757.576	864.5063	87.63%	83.46%

Governing rating

3.1 Steel Strength

$N_{sa} = A_{se,N} f_{uta}$ ACI 318-08 Eq. (D-3)
$\phi N_{sa} \geq N_{ua}$ ACI 318-08 Eq. (D-1)

Variables

$A_{se,N}$ [in.^{2}]	f_{uta} [psi]
1.41	125000

Calculations

N_{sa} [kip]
176.25

Results

N_{sa} [kip]	ϕ_{steel}	ϕ N_{sa} [kip]	N_{ua} [kip]
176.25	0.750	132.1875	86.563

Company:	B+T Grp	Page:	4
Address:	1717 S. Boulder,Suite 300	Specifier:	Pavithra
Phone I Fax:	| 918-587-4630	E-Mail:	
Design:	85773_876337_Shoreline Sanitation_CB	Date:	7/29/2023
Fastening point:			

3.3 Concrete Breakout Failure

$N_{cbg} = \left(\frac{A_{Nc}}{A_{Nc0}}\right) \psi_{ec,N}\ \psi_{ed,N}\ \psi_{c,N}\ \psi_{cp,N}\ N_b$ ACI 318-08 Eq. (D-5)

$\phi\ N_{cbg} \geq N_{ua}$ ACI 318-08 Eq. (D-1)

A_{Nc} see ACI 318-08, Part D.5.2.1, Fig. RD.5.2.1(b)

$A_{Nc0} = 9\ h_{ef}^2$ ACI 318-08 Eq. (D-6)

$\psi_{ec,N} = \left(\frac{1}{1 + \frac{2\ e'_N}{3\ h_{ef}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-9)

$\psi_{ed,N} = 0.7 + 0.3 \left(\frac{c_{a,min}}{1.5h_{ef}}\right) \leq 1.0$ ACI 318-08 Eq. (D-11)

$\psi_{cp,N} = \text{MAX}\left(\frac{c_{a,min}}{c_{ac}}, \frac{1.5h_{ef}}{c_{ac}}\right) \leq 1.0$ ACI 318-08 Eq. (D-13)

$N_b = 16\ \lambda\ \sqrt{f'_c}\ h_{ef}^{5/3}$ ACI 318-08 Eq. (D-8)

Variables

h_{ef} [in.]	$e_{c1,N}$ [in.]	$e_{c2,N}$ [in.]	$c_{a,min}$ [in.]	$\psi_{c,N}$
63.495	8.237	0.000	∞	1.000

c_{ac} [in.]	k_c	λ	f'_c [psi]
-	16	1	4,000

Calculations

A_{Nc} [in.^{2}]	A_{Nc0} [in.^{2}]	$\psi_{ec1,N}$	$\psi_{ec2,N}$	$\psi_{ed,N}$	$\psi_{cp,N}$	N_b [kip]
59528.68	36284.5	0.85	1.000	1.000	1.000	885.618

Results

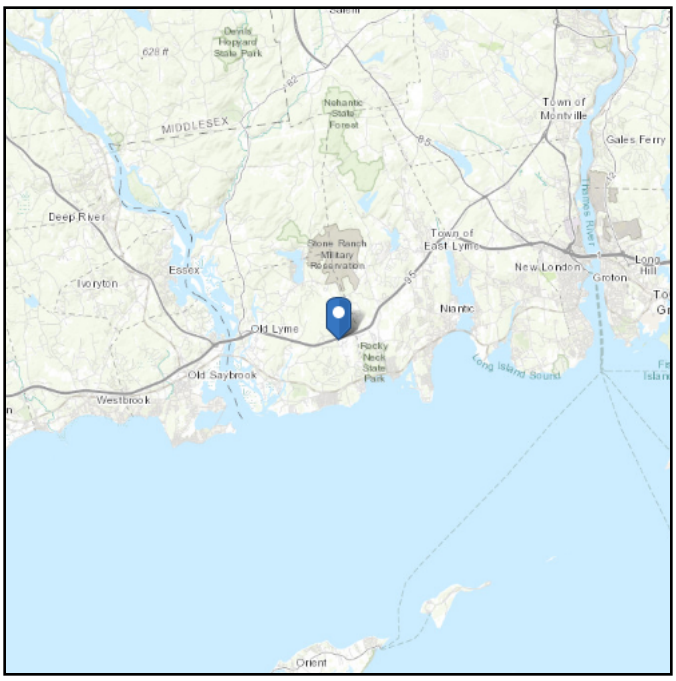
N_{cbg} [kip]	$\phi_{concrete}$	$\phi\ N_{cbg}$ [kip]	N_{ua} [kip]
1235.009	0.700	864.5063	757.576

*Please refer excel tool for calculations

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.318778
Risk Category:	II	**Longitude:**	-72.270722
Soil Class:	D - Stiff Soil	**Elevation:**	174.07146269955172 ft (NAVD 88)



Wind

Results:

Wind Speed	126 Vmph
10-year MRI	76 Vmph
25-year MRI	86 Vmph
50-year MRI	97 Vmph
100-year MRI	103 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: Sat Jul 29 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

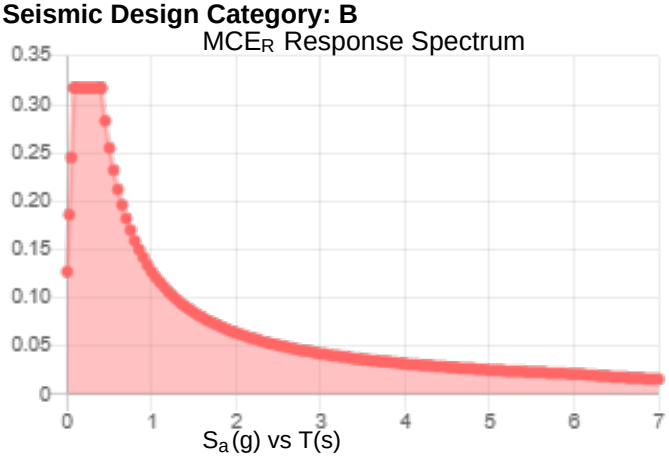
D - Stiff Soil

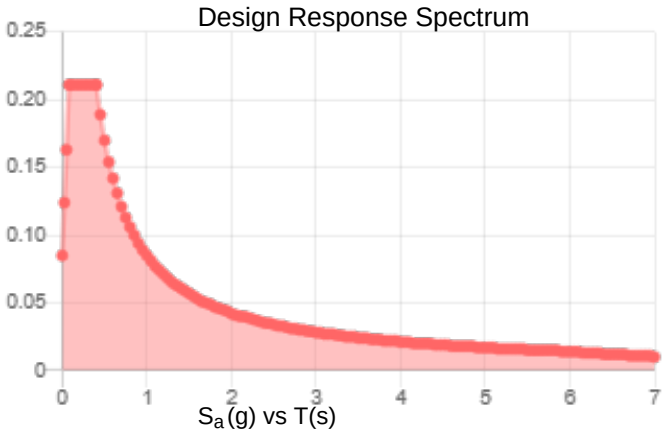
Site Soil Class:

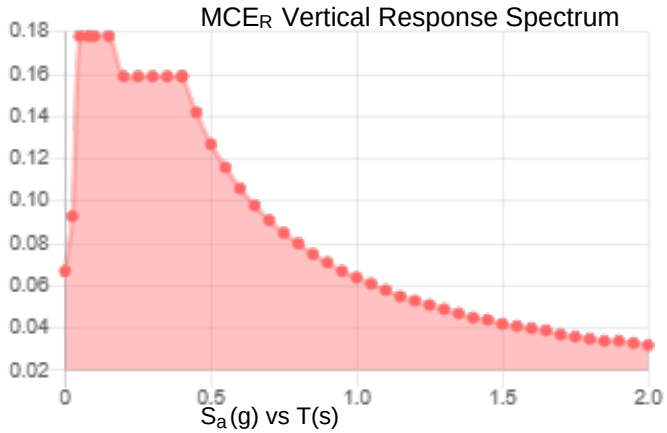
Results:

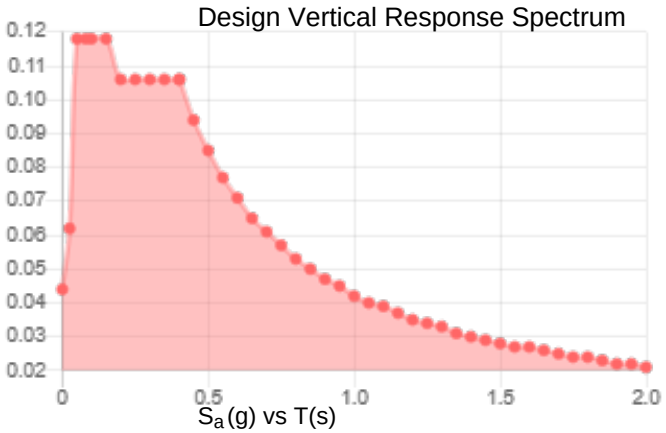
S_S :	0.198	S_{D1} :	0.085
S_1 :	0.053	T_L :	6
F_a :	1.6	PGA :	0.11
F_v :	2.4	PGA_M :	0.174
S_{MS} :	0.317	F_{PGA} :	1.58
S_{M1} :	0.127	I_e :	1
S_{DS} :	0.211	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Sat Jul 29 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:	Sat Jul 29 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.