Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
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Also admitted in Massachusetts
and New York

June 24, 2022

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

Re: **Notice of Exempt Modification – Facility Modification**
37 Bacon Road, Enfield, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Enfield in June of 2003. Cellco's shared use of the tower was approved by the Council in June of 2005. A copy of the Town approval and Cellco's approval are included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) Samsung 64T64RMMU antennas; removing nine (9) existing remote radio heads ("RRHs") and installing six (6) new RRHs on its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2. Cellco refers to this facility as its Somers West facility.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower. The replacement antennas and RRHs will be installed on Cellco's existing antenna platform.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antennas and RRHs will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for the modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Ellen Zoppo-Sassu, Enfield Town Manager
Ben Winter, Assistant Town Planner
Shaker Pines Fire District #5
Aleksey Tyurin

ATTACHMENT 1

ZONING CERTIFICATE

- SPECIAL USE PERMIT -

Planning and Zoning File PH 2324

OWNERS OF RECORD (Grantors): Shaker Pines Fire Department

PREMISES: 37 Bacon Road, Map 94, Lot 62

More particularly described on a Site Plan entitled: *

"Metro Tower, Proposed Wireless Facility, Title Sheet, Shaker Pines Fire Department, Enfield, CT, 06082", Sheet T-1, Sheet No. 1 of 4, Scale: "As Noted" by Maguire Group, Inc., dated April 15, 2002.

"Metro Tower, Proposed Wireless Facility, Location Plan, Shaker Pines Fire Department, Enfield, CT, 06082", Sheet C-1, Sheet No. 2 of 4, Scale: 1"=40', by Maguire Group, Inc., dated April 15, 2002.

"Metro Tower, Proposed Wireless Facility, Site Plan, Shaker Pines Fire Department, Enfield, CT, 06082", Sheet C-2, Sheet No. 3 of 4, Scale: 1" =10' by Maguire Group, Inc., dated April 15, 2002.

"Metro Tower, Proposed Wireless Facility, Elevations, Shaker Pines Fire Department, Enfield, CT, 06082", Sheet C-3, Sheet No.4 of 4, Scale: "As Noted" by Maguire Group, Inc., dated April 15, 2002.

*Revision dates subject to change with final mylar approval.

I, Karen S. Krebs, Secretary, hereby certify that on July31, 2002, the Planning and Zoning Commission of the Town of Enfield did approve PH 2324 – Application for a Special permit to allow a Wireless Communication Facility, including a 180' high Telecommunication tower, on land located at 37 Bacon Road in an Industrial 1 District, Map 94, Lot 62. Shaker Pines Fire Department owner/applicant. This approval is subject to conformance with the referenced plans, as may be required to be modified by this motion, and the following conditions:

Conditions to be Met Prior to Signing of Mylars:

1. All plans submitted for signature shall require the seal and live signature of the appropriate professional(s) responsible for the preparation of the plans.

2. The conditions of this approval shall be binding on the applicant, land owners, and their successors and assigns. A copy of this approval motion shall be filed on the land records prior to the signing of the plans.

3. The Public Hearing file number "PH 2324" shall be displayed prominently on all final plan sheets either in the title block or in the area around it.

4. The Final Mylars shall include the items requested by the Assistant Town Engineer who shall review and approve the plans prior to signing.

Conditions to be met prior to the issuance of permits:

5. Two sets of final plans, with any required revisions incorporated on the sheets, shall be submitted for signature to the Commission.

6. This approval will become effective upon the filing of a Special Use Zoning Certificate signed by the Commission Secretary on the Land records by the owner of the property. Proof of such filing shall be in the file prior to the issuance of any permits.

7. An engineering bond for removal of the wireless telecommunications facility including the tower and base components in an amount to be determined by the Town Engineer shall be submitted to the Town. Any need to use the bond by the Town of Enfield shall be binding in the site regardless of the name of the bond obligee.

8. The applicant shall post a bond for any required Site improvements in an amount to be determined by the Town Engineer and with surety acceptable to the Town.

9. A Separate Erosion and Sediment Control passbook shall be submitted in an amount to be determined by the Town Engineer.

10. A landscaping bond, in an amount to be determined by the Planning Department shall be submitted to the Town.

11. A pre-construction meeting between the applicant, site contractors, project engineer and Town Staff shall be held.

Conditions which must be met prior to the Issuance of a Zoning Certificate of Compliance:

12. Complete as-built plans certified to Class A-2 accuracy shall be submitted prior to the issuance of any certificates of zoning compliance.

13. In accordance with Section 9.10.6 of the Regulations, the applicant shall also submit to the Planning Director final as built plans in a digital format prescribed by the Director.

General Conditions:

14. This approval is for the specific use and structures identified in the application. Any changes or additions to the site and the structures will require new approvals from the Enfield Planning and Zoning Commission in addition to any other required State approvals.

15. The wireless communication facility shall not interfere with existing or proposed public safety communications, commercial television and radio signals or other forms of communication transmissions. Any such interference shall void the approval of the facility.

16. The wireless communication facility shall comply with the standards promulgated by the federal communication commission (FCC).

17. All generators installed in conjunction with the wireless communications facility shall comply with all state and local noise regulations.

18. On or before August 31 every year, the applicant or Wireless Telecommunications Service Provider shall submit information to the Planning and Zoning Commission file for annual review in support of the following:

    A. Maintenance of facilities - A certified inspection report shall be filed to ensure the continuing structural integrity of the Tower and accessory structures. If the report recommends that repairs or maintenance are required, then a letter shall be submitted to the Town to verify that such repairs and/or maintenance have been completed. The Town of Enfield may require repair or removal of the Tower based on the inspection report. The Town shall have no responsibility regarding such repairs and/or maintenance. Existing non-conforming Towers shall be subject to current approval requirements if replacement is required.

    B. Continued use - An affidavit of continuing use of the Wireless Communication Facility to establish renewal and continuation of the Special Use Permit.

    C. Propagation Plan - A system wide plan showing a regional perspective of Wireless Communications Facilities, both existing and proposed accompanied by a narrative explanation of the service provider's strategic plan for the ensuing year.

    D. Copies of all reports filed with the FCC or the Connecticut Siting Council on EMF emissions shall be filed with the Planning and Zoning Commission. Automatic revocation of any approval given under this Chapter shall result for any Wireless Communication Facility that reports EMF emissions exceeding FCC standards.

19. If the wireless communications facility is not in use for 12 consecutive months, it shall be removed within 90 days from the end of such 12 month period, including base components by the last service provider using the site or owner, whichever has a contractual obligation to perform the removal. The site shall be restored to an appearance that is compatible with the surrounding neighborhood and where appropriate, re-vegetated to blend with the surrounding area.

20. The special use permit for a commercial wireless telecommunication service shall be valid for a maximum period of 10 years (July 31, 2012) with a right of reapplication under regulations in effect at that time.

21. The applicant, and his successors and assigns shall maintain the antennae and related facilities in a manner to blend in with the tower so as to minimize any visual intrusion into the surrounding properties.

22. The approval of an application for special use permit shall be void and of no effect unless construction of the project commences within one year from the date of the approval granted by the commission, (July 31, 2002).

23. By acceptance of this permit and conditions, the applicant and owner acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

The reasons for approval of the use and the decision about the Site Plan, including any conditions relating to either, are part of the record of the July 31, 2002 Enfield Planning and Zoning Commission meeting

In accordance with Section 8-3c and Section 8-3d of Connecticut General Statues as amended, the **effective date** of this approval shall the date of recording of this Certificate on the land records of the Enfield Town Clerk.

Dated at Enfield, Connecticut this 19 day of June, 2003.

ENFIELD PLANNING AND ZONING COMMISSION

Karen S Krebs

Karen S. Krebs, Secretary

RECORDED IN
ENFIELD LAND RECORDS

2003 JUL -2 PM 3:03

SUZANNE F. OLECHNICKI
TOWN CLERK

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
www.ct.gov/csc

June 9, 2005

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

RE: **EM-VER-049-050505** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 37 Bacon Road, Enfield, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on June 8, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated May 5, 2005, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/jkl

c: The Honorable Patrick L. Tallarita, Mayor, Town of Enfield
Jose Giner, Director of Planning and Community Development, Town of Enfield
Scott A. Shanley, Town Manager, Town of Enfield
Christopher B. Fisher, Esq., Cuddy and Feder LLP
Christine Farrell, T-Mobile Inc.

G:\EM\BAM-VERIZON\ENFIELD\dc060805.DOC

CSC
CONNECTICUT SITING COUNCIL

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
www.ct.gov/csc

May 5, 2005

The Honorable Patrick L. Tallarita
Mayor
Town of Enfield
820 Enfield Street
Enfield, CT 06082

RE: **EM-VER-049-050505** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 37 Bacon Road, Enfield, Connecticut.

Dear Mayor Tallarita:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for June 1, 2005 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by May 31, 2005.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Jose Giner, Director of Planning and Community Development, Town of Enfield
Scott A. Shanley, Town Manager, Town of Enfield

ROBINSON & COLE

EM-VER-049-050505

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

May 5, 2005

Via Hand Delivery

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification**
37 Bacon Road
Enfield, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 180-foot monopole tower owned by Shaker Pine Fire District at 37 Bacon Road in Enfield, Connecticut. Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Enfield Mayor, Patrick L. Tallarita.

The facility consists of a 180-foot self-supporting lattice tower capable of supporting multiple carriers within a fenced compound. The tower currently supports municipal antennas at the top of the tower; Cingular antennas at the 169-foot level; and T-Mobile antennas at the 157-foot level. Cellco proposes to install twelve (12) panel-type antennas at the 147-foot level on the tower and a 12' x 30' single-story equipment shelter near the base of the tower. (See Tab 1- Project Plans).

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

1. The proposed modification will not increase the overall height of the existing tower. Cellco's antennas will be mounted with their centerline at the 147-foot level on the 180-foot tower.

2. The proposed installation of a 12' x 30' equipment shelter will not require an extension of the fenced compound or lease area.

3. The proposed antenna modification will not increase the noise levels at the facility by six decibels or more.

4. The operation of the antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. The worst-case RF power density calculations for the proposed Cellco antennas would be 6.70% of the FCC standard. A copy of the general power density calculations table is attached behind Tab 2.

Also attached, behind Tab 3, is a structural analysis confirming that the tower can support the existing and proposed antennas and associated equipment.

For the foregoing reasons, Cellco respectfully submits that the proposed antenna installation at the Enfield facility tower constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Attachments
cc: Patrick L. Tallarita, Mayor
Sandy M. Carter

Cellco Partnership

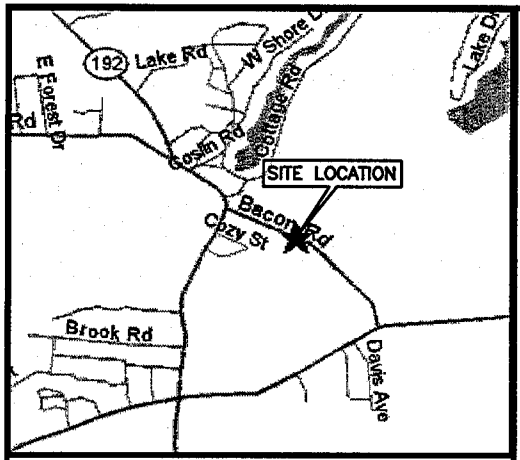
d.b.a. verizon wireless

SOMERS WEST

37 BACON STREET
ENFIELD, CONNECTICUT 06082

NOTE:
1. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

STRUCTURAL NOTE:
1. NEW CONSTRUCTION REPRESENTED ON THESE PLANS IS PROPOSED PREDICATED ON THE REQUIREMENT THAT A STRUCTURAL ANALYSIS BE PERFORMED BY A LICENSED CONNECTICUT PROFESSIONAL STRUCTURAL ENGINEER AND CERTIFICATION IS GIVEN BY THE ENGINEER THAT THE EXISTING TOWER AND ALL EXISTING AND PROPOSED ANTENNAS AND APPURTENANCES SUPPORTED BY THE TOWER AND ANY REQUIRED IMPROVEMENTS AND REINFORCEMENTS HAVE SUFFICIENT STRUCTURAL CAPACITY AND COMPLY WITHOUT THE CONNECTICUT BUILDING CODE AND ALL APPLICABLE EIA/TIA CRITERIA. NO WORK PROPOSED HEREON SHALL BE PROGRESSED WITHOUT CONFIRMATION OF THIS CERTIFICATION.



LOCATION MAP
ENFIELD, CT

N

1500 0 1500

SCALE: 1" = 1,500'±

DIRECTIONS (FROM HARTFORD, CT):
TAKE I-91 N TO EXIT 48 TOWARD THOMSONVILLE ONTO CT-220. TURN RIGHT ONTO CT-192. TURN RIGHT ONTO BACON ROAD. SITE IS ON LEFT.

PROJECT SUMMARY

SITE NAME:	SOMERS WEST
SITE ADDRESS:	37 BACON STREET ENFIELD, CT 06082
OWNER:	TOWN OF ENFIELD FIRE DEPARTMENT ENFIELD, CONNECTICUT 06082
LESSEE:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIOP (860) 803-8219
COORDINATES:	LATITUDE: 42°-00'-57.37" N (NAD 83) LONGITUDE: 72°-31'-43.46" W (NAD 83)

SHEET INDEX

NOTE:
DRAWINGS FOR SITING COUNCIL ONLY. NOT TO BE USED FOR CONSTUCTION

NO.	DATE	BY	DESCRIPTION
0	03/28/05	JRF	SITING COUNCIL
B	03/01/05	JRF	PRELIMINARY SITING COUNCIL
A	02/25/05	JRF	PRELIMINARY SITING COUNCIL

Dewberry-Goodkind, Inc.
A Dewberry Company
59 Elm Street, Suite 101
New Haven, CT 06510
p. (203) 776-2277
f. (203) 776-2288
Engineers
Planners
Surveyors

SCALE: AS SHOWN
DESIGNED BY: CKD
DATE: 02/25/05

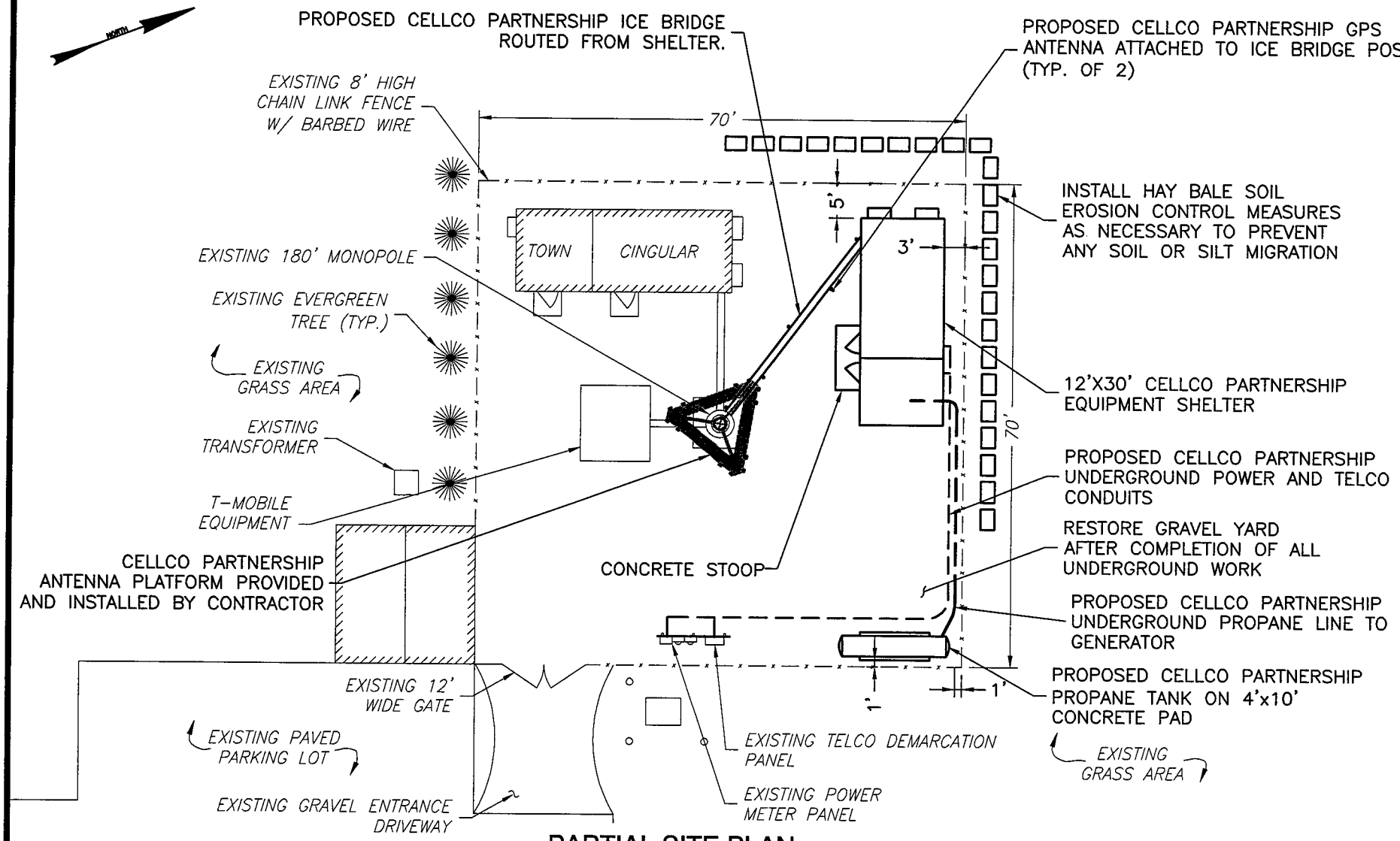
TITLE SHEET

Cellco Partnership d.b.a. verizon wireless

SITE NAME: SOMERS WEST
37 BACON STREET
ENFIELD, CT 06082

PROJECT: 1997001240
LOCATION CODE: 119614

SHEET NO. T - 1



PARTIAL SITE PLAN

20' 0 20'

SCALE: 1" = 20'

NO.	DATE	BY	DESCRIPTION
0	03/28/05	JRF	SITING COUNCIL
B	03/01/05	JRF	PRELIMINARY SITING COUNCIL
A	02/25/05	JRF	PRELIMINARY SITING COUNCIL

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Engineers
Planners
Surveyors

SCALE: AS SHOWN

DESIGNED BY: CKD

DATE: 02/25/05

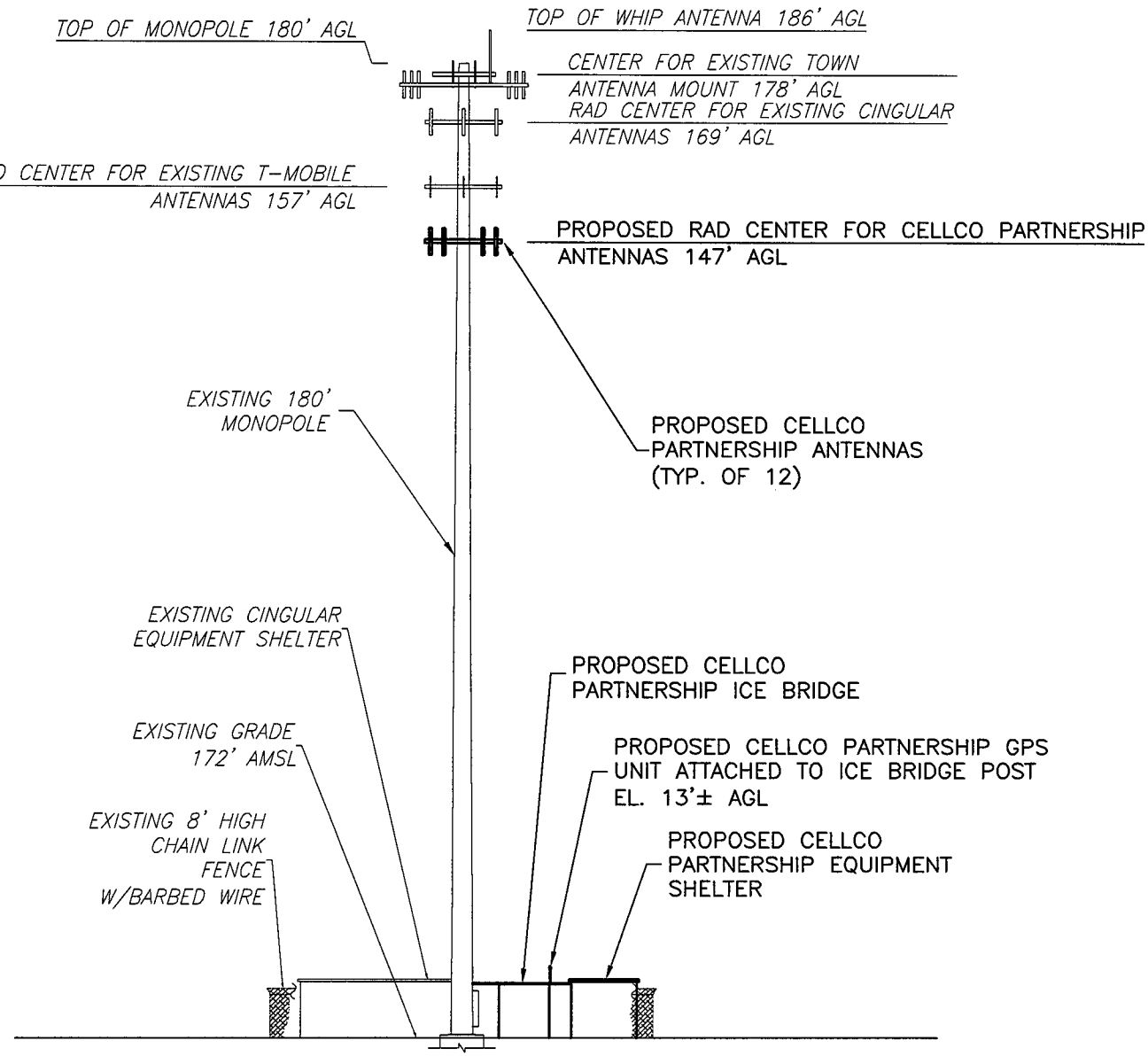
PARTIAL SITE PLAN

Cellco Partnership
d.b.a. verizon wireless

SITE NAME: SOMERS WEST
37 BACON STREET
ENFIELD, CT 06082

PROJECT: 1997001240
LOCATION CODE: 119614

SHEET NO. S - 1



MONOPOLE ELEVATION (LOOKING NORTHWEST)

30' 0 30'

SCALE: 1" = 30'

NO.	DATE	BY	DESCRIPTION
0	03/28/05	JRF	SITING COUNCIL
B	03/01/05	JRF	PRELIMINARY SITING COUNCIL
A	02/25/05	JRF	PRELIMINARY SITING COUNCIL

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59 Elm Street, Suite 101
New Haven, CT 06510
p. (203) 776-2277
f. (203) 776-2288
Engineers
Planners
Surveyors

SCALE: AS SHOWN

DESIGNED BY: CKD

DATE: 02/25/05

MONOPOLE ELEVATION

Cellco Partnership
d.b.a. verizon wireless

SITE NAME: SOMERS WEST
37 BACON STREET
ENFIELD, CT 06082

PROJECT: 1997001240
LOCATION CODE: 119614

SHEET NO. S - 2

General Power Density

Site Name: Somers West, CT
Tower Height: 147 Ft. rad center

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissable Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
Verizon	880	9	200	1800	147	0.0300	0.56733	5.28%
Verizon	1900	3	285	855	147	0.0142	1	1.42%
Total Percentage of Maximum Permissible Exposure								6.70%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case scenario, maximum values used.

Sabre Communications Corporation

Structural Design Report

180' Monopole
located at: Enfield, CT

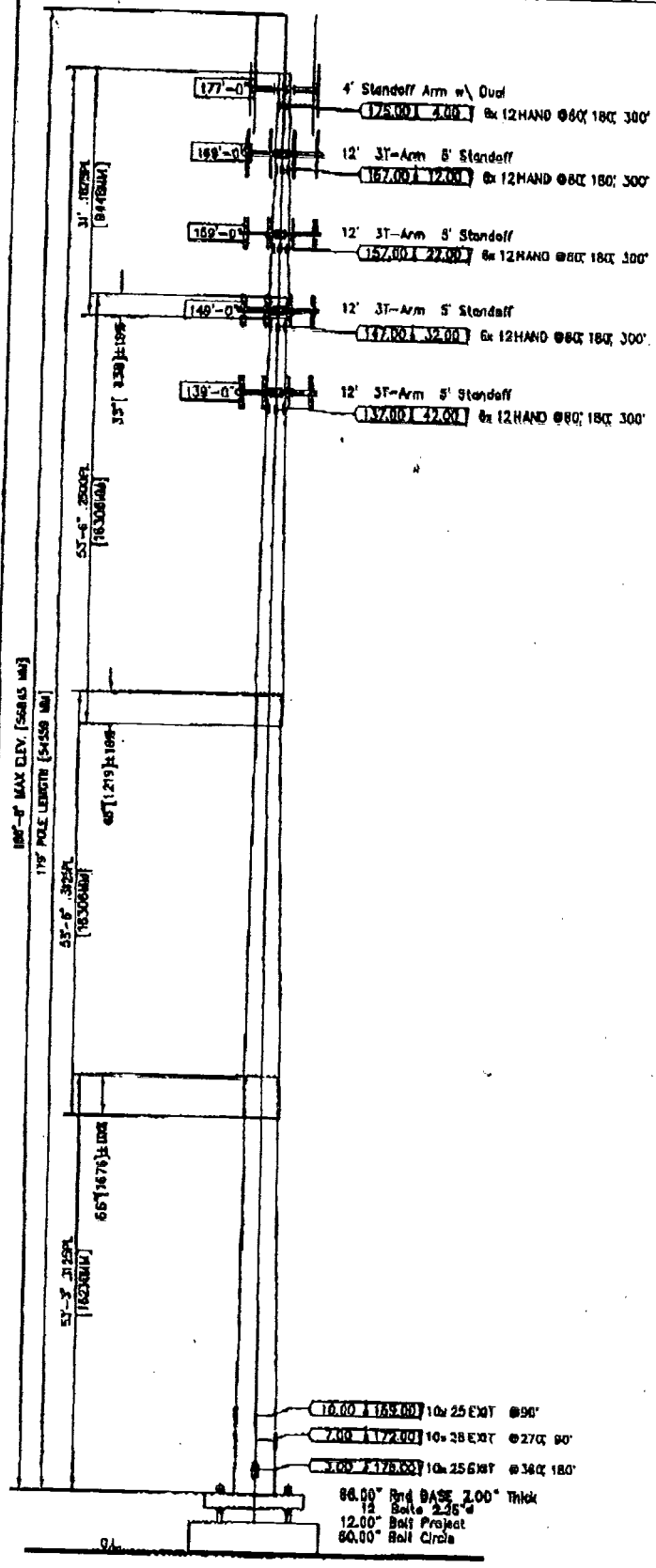
prepared for: Site Acquisitions, Inc.
by: Sabre Communications Corporation ™

Job Number: 04-07104
Revision A
July 23, 2003

STATE OF CONNECTICUT KEITH J. THOMAS No. 21551 LICENSED PROFESSIONAL ENGINEER

7/23/03

Prepared by KJT
Checked by KJT
Approved by KJT



POLE SPECIFICATIONS	
POLE HEIGHT	179.00 FEET
TAPER	.2253 IN/FT
POLE SHAPE	18 SIDED POLYGON
ORIENTATION	

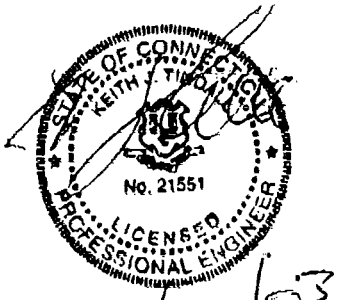
Lev	Qty	Elev ft.	Fyt	APPURTENANCE / ANTENNA DESCRIPTION
1	2	177.00	F	4' Standoff Arm w\ Dual
	4	179.00	F	15' WHIP
2	1	169.00	F	12' 3T-Arm 5' Standoff
	12	169.00	F	6' X 6IN
3	1	159.00	F	12' 3T-Arm 5' Standoff
	12	159.00	F	4' X 1'
4	1	149.00	F	12' 3T-Arm 5' Standoff
	12	149.00	F	4' X 1'
5	1	139.00	F	12' 3T-Arm 5' Standoff
	12	139.00	F	4' X 1'

Sec	LENGTH (ft)	Flat-Flat TOPø	Flat-Flat BOTø	THICK (in)	WEIGHT (lbs)	STEEL SPEC	FINISH
1	31.00	14.40	21.38	.1875	1111	A572-65	Galv
2	53.50	20.39	32.44	.2500	3776	A572-65	Galv
3	53.50	31.04	43.10	.3125	8636	A572-65	Galv
4	53.25	41.83	53.23	.3125	8431	A572-65	Galv
	(in)	#Bolts	Holes				
BP	86.00	12	40.00	2.000	1224	A633-60	Galv
		Bolts	Holes	TOTAL	21181		
AB	84.00	2.25	2.625		1880	A615-75	Galv-18"

LOAD CASE DESCRIPTION	WIND (mph)	G.L.F. VERT.	RAD. ICE	FACTORS CUST	Cf	WIND (psf)
1) Max Wind	80.00	1.00		1.69	.85	27.60
2) Max Wind Load x.75	69.28	1.00	.50	1.69	.85	20.77
3) Everyday Operating	50.00	1.00		1.69	.85	10.82

LOAD CASE DESCRIPTION	RES. BASE REACT Axial (kips)	Shear (kips)	Mom (ft-k)	DISP @TOP DEFL (ft)	SWAY (deg)
1) Max Wind	34.8	21.2	2690	15.0	9.45
2) Max Wind Load x.75	40.5	17.5	2234	12.8	8.10
3) Everyday Operating	34.2	8.3	1056	6.9	3.73

1) FULL HEIGHT STEP BOLTS
2) ANTENNA FEED LINES RUN INSIDE POLE



7/23/03

Site Acquisitions, Inc.			
Enfield, CT			
180.00 MONOPOLE			
04-07104	SIZE A	DRAWING NO. 04-07104-01	REV A
DATE 21JUL03			
DRAWN BY –			
CHECKED BY ARH	–	SCALE N.T.S.	PAGE 1

SABRE COMMUNICATIONS CORP
2101 Murray Street
Sioux City, IOWA 51101

JOB: 04-07104 Mon 21-Jul-03 09:53
Site Acquisitions, Inc.
Enfield, CT
Tel: 712.258.6690
Fax: 712.258.8250

TOP	DIAMETER	14.40 in.	[14.62 in. Point-Point]
BOTTOM	DIAMETER	53.23 in.	[54.05 in. Point-Point]
POLE	HEIGHT	179.00 ft.	18 SIDED FLAT ORIENTAT ION
BASE	HEIGHT	1.00 ft.	ABOVE GROUND
E-MODULUS		29000 ksi	[12000 ksi SHEAR MODULUS]

APPURTENANCES

ATTACH POINTS:

NO.	X,ft	Qty	Description	Status
1	177.00	2	4' Standoff Arm w\ Dual	Future Appur t
2	169.00	1	12' 3T-Arm 5' Standoff	Future Appurt
3	159.00	1	12' 3T-Arm 5' Standoff	Future Appurt
4	149.00	1	12' 3T-Arm 5' Standoff	Future Appurt
5	139.00	1	12' 3T-Arm 5' Standoff	Future Appurt

POLE SECTIONS

No.	Bottom X,ft.	Thick in.	Connect type	LAP in.	Taper in/ft	Length ft.	Weight lbs	Steel Spec	Pole Finish
1	31.00	.18750	SLIP	33.	.2253	31.00	1111	A572-65	GALV
2	81.75	.25000	SLIP	48.	.2253	53.50	3779	A572-65	GALV
3	131.25	.31250	SLIP	66.	.2253	53.50	6636	A572-65	GALV
4	179.00	.31250	C-Weld		.2253	53.25	8431	A572-65	GALV

SECTION PROPERTIES

X,ft	D,in	T,in	Area in^2	Iz in^4	IxIy in^4	SxSy in^3	w/t	d/t	Fy ksi	
179.00	14.40	.1875	8.46	432	216	29.5	11.78	76.8	65.00	TOP
177.00	14.85	.1875	8.73	474	237	31.4	12.20	79.2	65.00	-P1
172.00	15.98	.1875	9.40	590	295	36.4	13.26	85.2	65.00	
169.00	16.65	.1875	9.80	672	336	39.7	13.90	88.8	65.00	-P2
164.00	17.78	.1875	10.47	818	409	45.3	14.96	94.8	65.00	
159.00	18.91	.1875	11.14	986	493	51.4	16.02	100.8	65.00	-P3
154.00	20.03	.1875	11.81	1176	588	57.8	17.08	106.8	65.00	
150.75	20.76	.1875	12.25	1310	655	62.1	17.76	110.7	65.00	Slip-B1
149.00	20.78	.2500	16.29	1734	867	82.2	12.90	83.1	65.00	-P4
148.00	21.01	.2500	16.47	1792	896	84.0	13.05	84.0	65.00	Slip-T2
143.00	22.14	.2500	17.37	2102	1051	93.5	13.85	88.5	65.00	
139.00	23.04	.2500	18.08	2372	1186	101.4	14.48	92.1	65.00	-P5
134.00	24.16	.2500	18.97	2740	1370	111.7	15.28	96.7	65.00	
129.00	25.29	.2500	19.87	3146	1573	122.5	16.07	101.2	65.00	
124.00	26.42	.2500	20.76	3590	1795	133.8	16.87	105.7	65.00	
119.00	27.54	.2500	21.66	4074	2037	145.7	17.66	110.2	65.00	
114.00	28.67	.2500	22.55	4600	2300	158.0	18.46	114.7	65.00	
109.00	29.80	.2500	23.44	5168	2584	170.8	19.25	119.2	65.00	
104.00	30.92	.2500	24.34	5784	2892	184.2	20.05	123.7	65.00	
101.25	31.54	.2500	24.83	6142	3071	191.8	20.48	126.2	65.00	Slip-B2
97.25	31.94	.3125	31.37	7930	3965	244.5	16.26	102.2	65.00	Slip-T3
92.25	33.07	.3125	32.49	8806	4403	262.2	16.90	105.8	65.00	
87.25	34.20	.3125	33.61	9746	4873	280.7	17.53	109.4	65.00	
82.25	35.32	.3125	34.72	10752	53 76	299.8	18.17	113.0	65.00	
77.25	36.45	.3125	35.84	1 1822	5911	319.4	18.80	116.6	65.00	
72.25	37.58	.3125	36.96	1 2964	6482	339.8	19.44	120.2	65.00	
67.25	38.70	.3125	38.08	1 4176	7088	360.7	20.07	123.8	65.00	
62.25	39.83	.3125	39.19	1 5460	7730	382.3	20.71	127.5	65.00	
57.25	40.96	.3125	40.31	1 6820	8410	404.5	21.35	131.1	65.00	
53.25	41.86	.3125	41.20	1 7964	8982	422.7	21.85	133.9	65.00	Slip-B3
48.25	42.36	.3125	41.70	1 8622	9311	433.0	22.14	135.5	65.00	
47.75	42.47	.3125	41.81	1 8772	9386	435.3	22.20	135.9	65.00	Slip-T4
42.75	43.60	.3125	42.93	2 0318	10159	459.0	22.84	139.5	65.00	
37.75	44.72	.3125	44.05	2 1946	10973	483.2	23.47	143.1	65.00	
32.75	45.85	.3125	45.17	2 3660	11830	508.2	24.11	146.7	65.00	
27.75	46.98	.3125	46.28	2 5458	12729	533.7	24.74	150.3	65.00	
22.75	48.10	.3125	47.40	2 7346	13673	559.9	25.38	153.9	65.00	
17.75	49.23	.3125	48.52	2 9326	14663	586.6	26.01	157.5	65.00	
12.75	50.36	.3125	49.64	3 1400	15700	614.1	26.65	161.1	65.00	
7.75	51.48	.3125	50.75	3 3568	16784	642.1	27.29	164.7	65.00	
2.75	52.61	.3125	51.87	3 5834	17917	670.8	27.92	168.3	65.00	
.00	53.23	.3125	52.48	3 7124	18562	686.8	28.27	170.3	65.00	BASE

Sabre Communications Corporation

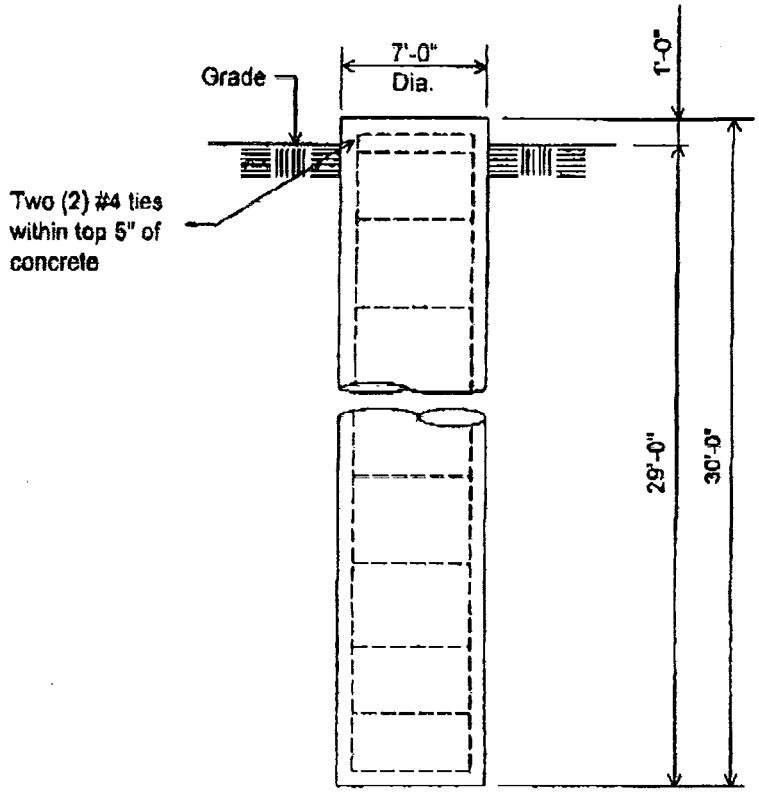
No.: 04-07104
Page: 2
Date: 7/21/2003
By: ARH

Customer: Site Acquisitions, Inc.
Site: Enfield, CT

180' Monopole at
80 mph Wind + 0.5 in. Ice per ANSI/TIA/EIA-222-F-1996.
Antenna Loading per Page 1

STATE OF CONNECTICUT KEITH J. T... No. 21561 LICENSED PROFESSIONAL ENGINEER

7/23/03



ELEVATION VIEW
(42.76 Cu. Yds. each)
(1 REQUIRED)

Notes:

1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-02.

2). Rebars to conform to ASTM specification A615 Grade 60.

3). All rebar to have a minimum of 3" concrete cover.

4). All exposed concrete corners to be chamfered 3/4".

5). The foundation design is based on the geotechnical boring by Soil Exploration Corp., project no. 03-0649, dated July 1, 2003.

6). See the geotechnical report for drilled pier installation requirements, if specified.

Rebar Schedule per Pier	
Pier	(36) #8 vertical rebar w/#4 ties, two within top 5" of pier then 12" C/C

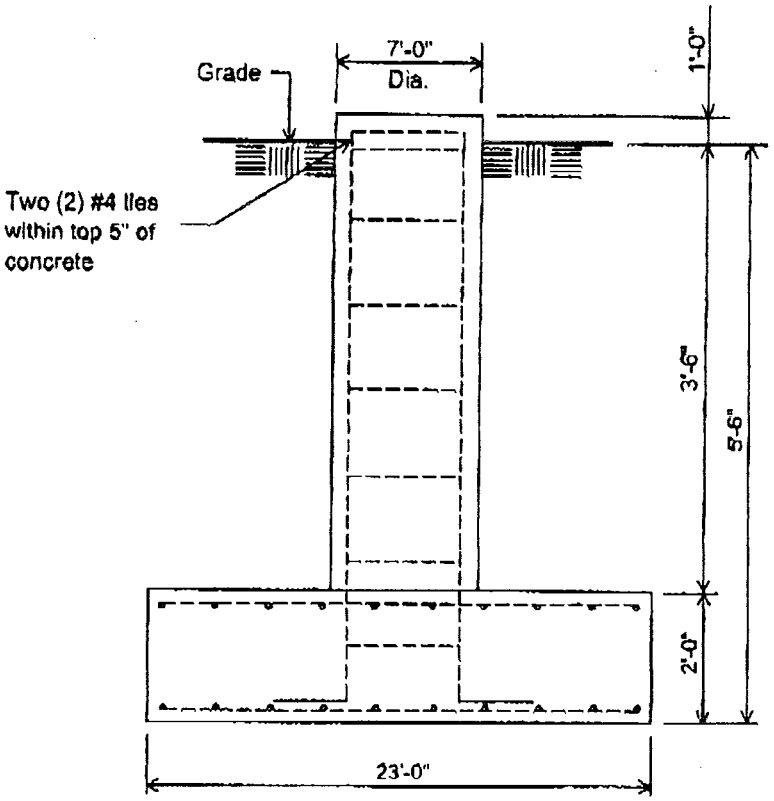
Sabre Communications Corporation

No.: 04-07104
Page: 3
Date: 7/23/03
By: ARH
Revision A

Customer: Site Acquisitions, Inc.
Site: Enfield, CT

180' Monopole at
80 mph Wind + 0.5 In. Ice per ANSI/TIA/EIA-222-F-1996
Antenna Loading per Page 1

7/23/03



ELEVATION VIEW
(45.6 Cu. Yds. each)
(1 REQUIRED)

Notes:

1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-02

2). Rebar to conform to ASTM specification A615 Grade 60.

3). All rebar to have a minimum of 3" concrete cover.

4). All exposed concrete corners to be chamfered 3/4".

5). The foundation design is based on the geotechnical boring by Soil Exploration Corp., project no. 03-0649, dated July 1, 2003.

6). See the geotechnical report for compaction requirements, if specified.

Rebar Schedule per Pad and Pier	
Pier	(36) #8 vertical rebar w/hooks at bottom w/#4 ties, two within top 5" of top of pier then 12" C/C
Pad	(36) #8 horizontal rebar evenly spaced each way top and bottom (144 Total)

2101 Murray St - P.O. Box 658 - Sioux City, IA 51102-0658 - Phone 712.258.6890 - Fax 712.258.8250

SABRE COMMUNICATIONS CORP
2101 Murray Street
Sioux City, IOWA 51101

JOB: 04-07104 Mon 21-Jul-03 09:53
Site Acquisitions, Inc. Tel: 712.258.6690
Enfield, CT Fax: 712.258.8250

TOP	DIAMETER	14.40 in. [14.62 in. Point -Point]	
BOTTOM	DIAMETER	53.23 in. [54.05 in. Point -Point]	
POLE	HEIGHT	179.00 ft.	18 SIDED FLAT ORIENTAT ION
BASE	HEIGHT	1.00 ft.	ABOVE GROUND
E -MODULUS		29000 ksi [12000 ksi	SHEAR MODULUS]

APPURTENANCES

ATTACH POINTS:

NO.	X,ft	Qty	Description	Status
1	177.00	2	4' Standoff Arm w\ Dual	Future Appur t
2	169.00	1	12' 3T-Arm 5' Standoff	Future Appurt
3	159.00	1	12' 3T-Arm 5' Standoff	Future Appurt
4	149.00	1	12' 3T-Arm 5' Standoff	Future Appurt
5	139.00	1	12' 3T-Arm 5' Standoff	Future Appurt

POLE SECTIONS

No.	Bottom X,ft.	Thick in.	Connect type	LAP in.	Taper in/ft	Length ft.	Weight lbs	Steel Spec	Pole Finish
1	31.00	.18750	SLIP	33.	.2253	31.00	1111	A572-65	GALV
2	81.75	.25000	SLIP	48.	.2253	53.50	3779	A572-65	GALV
3	131.25	.31250	SLIP	66.	.2253	53.50	6636	A572-65	GALV
4	179.00	.31250	C-Weld		.2253	53.25	8431	A572-65	GALV

SECTION PROPERTIES

X,ft	D,in	T,in	Area in^2	Iz in^4	IxIy in^4	SxSy in^3	w/t	d/t	Fy ksi	
179.00	14.40	.1875	8.46	432	216	29.5	11.78	76.8	65.00	TOP
177.00	14.85	.1875	8.73	474	237	31.4	12.20	79.2	65.00	-P1
172.00	15.98	.1875	9.40	590	295	36.4	13.26	85.2	65.00	
169.00	16.65	.1875	9.80	672	336	39.7	13.90	88.8	65.00	-P2
164.00	17.78	.1875	10.47	818	409	45.3	14.96	94.8	65.00	
159.00	18.91	.1875	11.14	986	493	51.4	16.02	100.8	65.00	-P3
154.00	20.03	.1875	11.81	1176	588	57.8	17.08	106.8	65.00	
150.75	20.76	.1875	12.25	1310	655	62.1	17.76	110.7	65.00	Slip-B1
149.00	20.78	.2500	16.29	1734	867	82.2	12.90	83.1	65.00	-P4
148.00	21.01	.2500	16.47	1792	896	84.0	13.05	84.0	65.00	Slip-T2
143.00	22.14	.2500	17.37	2102	1051	93.5	13.85	88.5	65.00	
139.00	23.04	.2500	18.08	2372	1186	101.4	14.48	92.1	65.00	-P5
134.00	24.16	.2500	18.97	2740	1370	111.7	15.28	96.7	65.00	
129.00	25.29	.2500	19.87	3146	1573	122.5	16.07	101.2	65.00	
124.00	26.42	.2500	20.76	3590	1795	133.8	16.87	105.7	65.00	
119.00	27.54	.2500	21.66	4074	2037	145.7	17.66	110.2	65.00	
114.00	28.67	.2500	22.55	4600	2300	158.0	18.46	114.7	65.00	
109.00	29.80	.2500	23.44	5168	2584	170.8	19.25	119.2	65.00	
104.00	30.92	.2500	24.34	5784	2892	184.2	20.05	123.7	65.00	
101.25	31.54	.2500	24.83	6142	3071	191.8	20.48	126.2	65.00	Slip-B2
97.25	31.94	.3125	31.37	7930	3965	244.5	16.26	102.2	65.00	Slip-T3
92.25	33.07	.3125	32.49	8806	4403	262.2	16.90	105.8	65.00	
87.25	34.20	.3125	33.61	9746	4873	280.7	17.53	109.4	65.00	
82.25	35.32	.3125	34.72	10752	53 76	299.8	18.17	113.0	65.00	
77.25	36.45	.3125	35.84	1 1822	5911	319.4	18.80	116.6	65.00	
72.25	37.58	.3125	36.96	1 2964	6482	339.8	19.44	120.2	65.00	
67.25	38.70	.3125	38.08	1 4176	7088	360.7	20.07	123.8	65.00	
62.25	39.83	.3125	39.19	1 5460	7730	382.3	20.71	127.5	65.00	
57.25	40.96	.3125	40.31	1 6820	8410	404.5	21.35	131.1	65.00	
53.25	41.86	.3125	41.20	1 7964	8982	422.7	21.85	133.9	65.00	Slip-B3
48.25	42.36	.3125	41.70	1 8622	9311	433.0	22.14	135.5	65.00	
47.75	42.47	.3125	41.81	1 8772	9386	435.3	22.20	135.9	65.00	Slip-T4
42.75	43.60	.3125	42.93	2 0318	10159	459.0	22.84	139.5	65.00	
37.75	44.72	.3125	44.05	2 1946	10973	483.2	23.47	143.1	65.00	
32.75	45.85	.3125	45.17	2 3660	11830	508.2	24.11	146.7	65.00	
27.75	46.98	.3125	46.28	2 5458	12729	533.7	24.74	150.3	65.00	
22.75	48.10	.3125	47.40	2 7346	13673	559.9	25.38	153.9	65.00	
17.75	49.23	.3125	48.52	2 9326	14663	586.6	26.01	157.5	65.00	
12.75	50.36	.3125	49.64	3 1400	15700	614.1	26.65	161.1	65.00	
7.75	51.48	.3125	50.75	3 3568	16784	642.1	27.29	164.7	65.00	
2.75	52.61	.3125	51.87	3 5834	17917	670.8	27.92	168.3	65.00	
.00	53.23	.3125	52.48	3 7124	18562	686.8	28.27	170.3	65.00	BASE

SABRE COMMUNICATIONS CORP
2101 Murray Street
Sioux City, IOWA 51101

JOB: 04-07104 Mon 21-Jul-03 09:53
Site Acquisitions, Inc. Tel: 712.258.6690
Enfield, CT Fax: 712.258.8250

CASE - 2: Max Wind Load x.75 — TIA/EIA-222F

VERTICAL OLF	1.00	WIND SPEED	69.3 mph 111.5 k ph
ICE COVER	.50 i n.	GUST FACTOR	1.69
STRESS REDUCTION	.60	EXPOSURE COEFF.	.2857
STRESS AMPLIFY	1.33	Cf	.650
BASE ABOVE Grd	1.0 ft	REFERENCE HEIGHT	33.0 ft
		PRESSURE @Ref.Ht	20.8 psf 994.Pa

APPURTENANCE LOADS

LEV	QTY	DESCRIPTION	Center Line Elev -ft	WEIGHT each lbs	AREA each ft^2	Tx-CABLE Qty	#/ft	WIND psf	FORCES TranY kip s	MOMENT Ax-Z kips	LongX ft-k
1	2	4' Standoff Arm w\ Dual	177.0 0	161	4.4			33.62	.30	-.32	-.1
	4	15' WHIP	179.0 0	88	6.0 1 5/8"	4	1.040	33.72	.81	-1.09	
2	1	12' 3T-Arm 5' Standoff	169.00	930	62.5			33.17	2.07	-.93	-.5
	12	6' X 6IN	169.0 0	51	.0 1 5/8"	12	1.040	33.17		-2.73	
3	1	12' 3T-Arm 5' Standoff	159.00	930	53.9			32.60	1.76	-.93	-.4
	12	4' X 1'	159.0 0	52	.0 1 5/8"	12	1.040	32.60		-2.61	
4	1	12' 3T-Arm 5' Standoff	149.00	930	53.9			32.01	1.72	-.93	-.4
	12	4' X 1'	149.0 0	52	.0 1 5/8"	12	1.040	32.01		-2.49	
5	1	12' 3T-Arm 5' Standoff	139.00	930	53.9			31.38	1.69	-.93	-.4
	12	4' X 1'	139.0 0	52	.0 1 5/8"	12	1.040	31.38		-2.36	

RESULTS

X,ft	WIND psf	FORCES,kips ShearX	Shear Y	AxiaZ	MOMENTS,ft-kips BendX	BendY	TorqZ	STRESS ksi	ALLOW ksi	CSR
179.00	21.9	.0	.0	.0	.0	.0	.0	.01	51.8 7	.000
177.00	21.8	.0	1.5	-1.4	-1.8	.0	.0	.89	51.87	.017
172.00	21.7	.0	1.6	-1.6	-9.0	.0	.0	3.17	51.87	.061
169.00	21.6	.0	4.3	-5.1	-14.4	.0	.0	4.91	51.87	.095
164.00	21.4	.0	4.5	-5.4	-35.9	.0	.0	10.05	51.87	.194
159.00	21.2	.0	6.9	-8.9	-58.8	.0	.0	14.59	51.87	.281
154.00	21.0	.0	7.1	-9.2	-93.4	.0	.0	20.19	51.87	.389
150.75	20.9	.0	7.2	-9.4	-116.3	.0	.0	23.26	51.87	.448
149.00	20.8	.0	9.4	-12.7	-129.3	.0	.0	19.69	51.87	.380
148.00	20.8	.0	9.5	-13.0	-138.7	.0	.0	20.62	51.87	.398
143.00	20.6	.0	9.7	-13.4	-186.2	.0	.0	24.68	51.87	.476
139.00	20.4	.0	11.9	-16.9	-225.3	.0	.0	27.62	51.87	.532
134.00	20.2	.0	12.1	-17.4	-284.8	.0	.0	31.53	51.87	.608
129.00	20.0	.0	12.2	-17.9	-345.1	.0	.0	34.72	51.87	.669
124.00	19.7	.0	12.4	-18.4	-406.3	.0	.0	37.33	51.87	.720
119.00	19.5	.0	12.6	-18.9	-468.3	.0	.0	39.47	51.87	.761
114.00	19.3	.0	12.8	-19.5	-531.3	.0	.0	41.23	51.87	.795
109.00	19.0	.0	12.9	-20.0	-595.1	.0	.0	42.67	51.87	.823
104.00	18.8	.0	13.1	-20.5	-659.8	.0	.0	43.83	51.87	.845
101.25	18.6	.0	13.2	-21.2	-695.8	.0	.0	44.40	51.87	.856
97.25	18.4	.0	13.4	-22.2	-748.7	.0	.0	37.46	51.87	.722
92.25	18.2	.0	13.6	-23.0	-815.8	.0	.0	38.04	51.87	.733
87.25	17.9	.0	13.8	-23.8	-884.2	.0	.0	38.52	51.87	.743
82.25	17.6	.0	14.1	-24.5	-953.3	.0	.0	38.88	51.87	.749
77.25	17.3	.0	14.3	-25.4	-1023.3	.0	.0	39.16	51.87	.755
72.25	17.0	.0	14.5	-26.2	-1095.0	.0	.0	39.39	51.87	.759
67.25	16.6	.0	14.7	-27.0	-1166.7	.0	.0	39.53	51.87	.762
62.25	16.3	.0	14.9	-27.9	-1240.0	.0	.0	39.64	51.87	.764
57.25	15.9	.0	15.1	-28.8	-1315.0	.0	.0	39.74	51.87	.766
53.25	15.6	.0	15.3	-29.9	-1375.0	.0	.0	39.77	51.87	.767
48.25	15.1	.0	15.4	-30.6	-1451.7	.0	.0	40.97	51.87	.790
47.75	15.1	.0	15.5	-31.3	-1459.2	.0	.0	40.98	51.87	.790
42.75	14.6	.0	15.7	-32.5	-1536.7	.0	.0	40.94	51.87	.789
37.75	14.1	.0	15.8	-33.4	-1615.0	.0	.0	40.87	51.87	.788
32.75	13.6	.0	16.0	-34.4	-1694.2	.0	.0	40.77	51.87	.786
27.75	13.5	.0	16.2	-35.4	-1774.2	.0	.0	40.66	51.87	.784
22.75	13.5	.0	16.4	-36.4	-1855.0	.0	.0	40.53	51.37	.789
17.75	13.5	.0	16.5	-37.5	-1936.7	.0	.0	40.39	50.83	.795
12.75	13.5	.0	16.7	-38.5	-2019.2	.0	.0	40.24	50.29	.800
7.75	13.5	.0	16.9	-39.6	-2102.5	.0	.0	40.08	49.76	.805
2.75	13.5	.0	17.0	-40.5	-2187.5	.0	.0	39.92	49.22	.811
.00	13.5	.0	17.0	-40.5	2234.2	.0	.0	39.81	48.92	.814

DISPLACEMENTS

Xft.	DEFLECTION ft X	Y	Z	XY-Result	ROTATION, deg X	Y	Z	XY -Res	MicroW Allow
177.00	.00	12.47	-.63	12.47< 7.04%>	-8.10	.00	.00	8.10	
169.00	.00	11.34	-.55	11.34< 6.71%>	-8.04	.00	.00	8.04	
159.00	.00	9.97	-.45	9.97< 6.27%>	-7.79	.00	.00	7.79	
149.00	.00	8.64	-.36	8.64< 5.80%>	-7.36	.00	.00	7.36	
139.00	.00	7.40	-.28	7.40< 5.32%>	6.87	.00	.00	6.87	

SABRE COMMUNICATIONS CORP	JOB: 04-07104	Mon 21-Jul-03 09:53
2101 Murray Street	**Site Acquisitions, Inc.**	Tel: 712.258.6690
Sioux City, IOWA 51101	**Enfield, CT**	Fax: 712.258.8250

CASE - 3: Everyday Operating — **TIA/EIA-222F**

VERTICAL OLF	1.00	WIND SPEED	50.0 mph 80.5 k ph
ICE COVER	.00 i n.	GUST FACTOR	1.69
STRESS REDUCTION	.60	EXPOSURE COEFF.	.2857
STRESS AMPLIFY	1.33	Cf	.650
BASE ABOVE Grd	1.0 ft	REFERENCE HEIGHT	33.0 ft
		PRESSURE @Ref.Ht	10.8 psf 518.Pa

APPURTENANCE LOADS

LEV	QTY	DESCRIPTION	Center Line Elev -ft	WEIGHT each lbs	AREA each ft^2	Tx-CABLE Qty	#/ft	WIND psf	FORCES TranY kip s	MOMENT Ax-Z kips	LongX ft-k
1	2	4' Standoff Arm w\ Dual	177.0 0	147	4.0			17.51	.14	-.29	.0
	4	15' WHIP	179.0 0	15	4.5	1 5/8" 4	1.040	17.56	.32	-.80	
2	1 12	12' 3T-Arm 5' Standoff	169.00	846	54.7			17.28	.94	-.85	-.2
	12	6' X 6IN	169.0 0	30	.0	1 5/8" 12	1.040	17.28		-2.47	
3	1 12	12' 3T-Arm 5' Standoff	159.00	846	50.3			16.98	.85	-.85	-.2
	12	4' X 1'	159.0 0	28	.0	1 5/8" 12	1.040	16.98		-2.32	
4	1 12	12' 3T Arm 5' Standoff	149.00	846	50.3			16.67	.84	-.85	-.2
	12	4' X 1'	149.0 0	28	.0	1 5/8" 12	1.040	16.67		-2.20	
5	1 12	12' 3T-Arm 5' Standoff	139.00	846	50.3			16.35	.82	-.85	-.2
	12	4' X 1'	139.0 0	28	.0	1 5/8" 12	1.040	16.35		-2.07	

RESULTS

X,ft	WIND psf	FORCES,kips ShearX	Shear Y	AxiaZ	MOMENTS,ft-kips BendX	BendY	TorqZ	STRESS ALLOW ksi	ksi	CSR
179.00	11.4	.0	.0	.0	.0	.0	.0	.00	51.8 7	.000
177.00	11.4	.0	.6	-1.2	-.7	.0	.0	.42	51.87	.008
172.00	11.3	.0	.7	-1.3	-3.7	.0	.0	1.37	51.87	.026
169.00	11.2	.0	1.9	-4.7	-5.9	.0	.0	2.30	51.87	.044
164.00	11.1	.0	2.0	-4.9	-15.4	.0	.0	4.56	51.87	.088
159.00	11.0	.0	3.1	-8.2	-25.6	.0	.0	6.72	51.87	.130
154.00	10.9	.0	3.2	-8.4	-41.2	.0	.0	9.27	51.87	.179
150.75	10.9	.0	3.3	-8.5	-51.6	.0	.0	10.68	51.87	.206
149.00	10.8	.0	4.3	-11.6	-57.5	.0	.0	9.13	51.87	.176
148.00	10.8	.0	4.4	-11.9	-61.8	.0	.0	9.57	51.87	.184
143.00	10.7	.0	4.4	-12.2	-83.6	.0	.0	11.44	51.87	.221
139.00	10.6	.0	5.5	-15.4	-101.6	.0	.0	12.88	51.87	.248
134.00	10.5	.0	5.6	-15.7	-129.2	.0	.0	14.72	51.87	.284
129.00	10.4	.0	5.7	-16.1	-157.2	.0	.0	16.21	51.87	.313
124.00	10.3	.0	5.8	-16.5	-185.7	.0	.0	17.45	51.87	.336
119.00	10.2	.0	5.9	-16.8	-214.5	.0	.0	18.45	51.87	.356
114.00	10.0	.0	6.0	-17.2	-243.9	.0	.0	19.29	51.87	.372
109.00	9.9	.0	6.1	-17.6	-273.8	.0	.0	19.99	51.87	.385
104.00	9.8	.0	6.1	-18.0	-304.0	.0	.0	20.55	51.87	.396
101.25	9.7	.0	6.2	-18.6	-320.9	.0	.0	20.84	51.87	.402
97.25	9.6	.0	6.3	-19.4	-345.8	.0	.0	17.59	51.87	.339
92.25	9.5	.0	6.4	-20.1	-377.3	.0	.0	17.89	51.87	.345
87.25	9.3	.0	6.5	-20.7	-409.5	.0	.0	18.13	51.87	.349
82.25	9.2	.0	6.7	-21.3	-442.3	.0	.0	18.32	51.87	.353
77.25	9.0	.0	6.8	-21.9	-475.5	.0	.0	18.48	51.87	.356
72.25	8.8	.0	6.9	-22.5	-509.3	.0	.0	18.60	51.87	.359
67.25	8.7	.0	7.0	-23.2	-543.7	.0	.0	18.70	51.87	.360
62.25	8.5	.0	7.1	-23.9	-578.7	.0	.0	18.78	51.87	.362
57.25	8.3	.0	7.2	-24.7	-614.2	.0	.0	18.84	51.87	.363
53.25	8.1	.0	7.3	-25.6	-643.0	.0	.0	18.88	51.87	.364
48.25	7.9	.0	7.4	-26.2	-679.5	.0	.0	19.46	51.87	.375
47.75	7.9	.0	7.4	-26.8	-683.3	.0	.0	19.48	51.87	.376
42.75	7.6	.0	7.5	-27.7	-720.3	.0	.0	19.48	51.87	.376
37.75	7.4	.0	7.6	-28.5	-758.1	.0	.0	19.47	51.87	.375
32.75	7.1	.0	7.7	-29.3	-796.3	.0	.0	19.45	51.87	.375
27.75	7.0	.0	7.8	-30.1	-835.0	.0	.0	19.43	51.87	.375
22.75	7.0	.0	7.9	-30.9	-874.2	.0	.0	19.39	51.37	.377
17.75	7.0	.0	8.0	-31.7	-913.3	.0	.0	19.34	50.83	.380
12.75	7.0	.0	8.1	-32.6	-954.2	.0	.0	19.30	50.29	.384
7.75	7.0	.0	8.2	-33.5	-995.0	.0	.0	19.26	49.76	.387
2.75	7.0	.0	8.3	-34.2	-1035.8	.0	.0	19.19	49.22	.390
.00	7.0	.0	8.3	-34.2	1058.3	.0	.0	19.14	48.92	.391

DISPLACEMENTS

Xft.	DEFLECTION ft X	Y	Z	XY-Result	ROTATION, deg X	Y	Z	XY -Res	MicroW Allow
177.00	.00	5.81	-.14	5.81< 3.28%>	-3.73	.00	.00	3.73	
169.00	.00	5.29	-.12	5.29< 3.13%>	-3.70	.00	.00	3.70	
159.00	.00	4.65	-.10	4.65< 2.93%>	-3.60	.00	.00	3.60	
149.00	.00	4.04	-.08	4.04< 2.71%>	-3.41	.00	.00	3.41	
139.00	.00	3.46	-.06	3.46< 2.49%>	-3.19	.00	.00	3.19	

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2101 Murray Street
Sioux City, IOWA 51101

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Enfield, CT Fax: 712.258.8250

LOAD CASE SUMMARIES

	LOAD CASE DESCRIPTION	FORCES, kips X	Y	Z	MOMENTS, ft-kips X	Y	Z
1	Max Wind	.00	21.20	-34.84	2690.8	.0	.0
2	Max Wind Load x.75	.00	17.03	-40.50	2234.2	.0	.0
3	Everyday Operating	.00	8.33	-34.15	1058.3	.0	.0

STRESS ENVELOPE

BOT-UP X,ft.	TOP DOWN			COMBINED STRESS ksi	COMBINED STRESS RATIO	LOAD CASE	Qty	APPURTENANCE
179.00	.00	TOP		.01	.000	1		
177.00	2.00	-1	-P1	.89	.017	2	(2)	4' Standoff Arm w\ Dual
172.00	7.00			3.23	.062	1		
169.00	10.00	-2	-P2	5.03	.097	1	(1)	12' 3T -Arm 5' Standoff
164.00	15.00			10.77	.208	1		
159.00	20.00	-3	-P3	15.81	.305	1	(1)	12' 3T -Arm 5' Standoff
154.00	25.00			22.29	.430	1		
150.75	28.25	Slip -B1		25.86	.499	1		
149.00	30.00	-4	-P4	21.93	.423	1	(1)	12' 3T -Arm 5' Standoff
148.00	31.00	Slip -T2		23.02	.444	1		
143.00	36.00			27.81	.536	1		
139.00	40.00	-5	-P5	31.23	.602	1	(1)	12' 3T -Arm 5' Standoff
134.00	45.00			35.92	.692	1		
129.00	50.00			39.75	.766	1		
124.00	55.00			42.90	.827	1		
119.00	60.00			45.51	.877	1		
114.00	65.00			47.66	.919	1		
109.00	70.00			49.46	.953	1		
104.00	75.00			50.92	.982	1		
101.25	77.75	Slip -B2		51.63	.995	1		
97.25	81.75	Slip -T3		43.64	.841	1		
92.25	86.75			44.39	.856	1		
87.25	91.75			45.00	.868	1		
82.25	96.75			45.51	.877	1		
77.25	101.75			45.94	.886	1		
72.25	106.75			46.26	.892	1		
67.25	111.75			46.52	.897	1		
62.25	116.75			46.71	.900	1		
57.25	121.75			46.88	.904	1		
53.25	125.75	Slip -B3		46.98	.906	1		
48.25	130.75			48.47	.934	1		
47.75	131.25	Slip -T4		48.48	.935	1		
42.75	136.25			48.48	.935	1		
37.75	141.25			48.46	.934	1		
32.75	146.25			48.42	.933	1		
27.75	151.25			48.35	.932	1		
22.75	156.25			48.27	.940	1		
17.75	161.25			48.16	.947	1		
12.75	166.25			48.04	.955	1		
7.75	171.25			47.91	.963	1		
2.75	176.25			47.77	.971	1		
.00	179.00	BASE		47.68	.975	1		

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SHAPE: 18 SIDED POLYGON with FLAT-FLAT ORIENTATION
BOLTS EVENLY SPACED 15.53 in. ON CENTER

POLE DATA

DIAMETER =	53.23 in.	BASE ACTIONS	AXIAL FORCE=	-34.8 kips	Vert
PLATE =	.3125 in.		SHEAR X =	.0 kips	Long
TAPER =	.2253 in/ft		SHEAR Y =	21.2 kips	Tran
POLE Fy =	65.00 ksi		X-AXIS MOM =	1902.4 ft-kips	Tran
			Y-Axis MOM =	1902.4 ft-kips	Long
			Z-Axis MOM =	.0 ft-kips	Vert

DESIGN CASE = 1 Max Wind

Design: ANY Orientation Reactions at 45.00 deg to X-AXIS

BOLT LOADS

	AXIAL - COMPRESSION	= 182.29 kips	
	AXIAL - TENSION	= 176.49 kips	
	SHEAR	= 1.77 kips	
AXIAL	STRESS	= 54.30 ksi	
SHEAR	STRESS	= .58 ksi	
YIELD	STRENGTH Fy	= 75.00 ksi	CSR
ALLOW	STRENGTH Fa [.60 x 1 .33]	= 59.85 ksi	.908 EIA-F
	TENSION AREA REQUIRED	= 2.95 in^2	
	TENSION AREA FURNISHED	= 3.25 in^2	
	ROOT AREA FURNISHED	= 3.07 in^2	

ANCHOR BOLT DESIGN USED

12 Bolts on a	60.00 in. Bolt Circle		SHIP
2.250 in. Diameter	67.13 in. Embedded		(lbs)
12.00 in. Exposed	84.00 in. Total Length		1680

CONCRETE BOND - Fc= 4000 psi

TENSION:	NUT:	373.46 kips	COMPRESSION: NUT: 81.51 kips
	ACTING:	-415.15 psi	ACTING: 212.41 psi
	ALLOW:	303.26 psi	ALLOW: 303.26 psi
	LENGTH REQD:	-91.89 in.	LENGTH REQD: 47.02 in.

BASE PLATE

[Bend Model: 1/4 Circ]

YIELD STRENGTH =	60.0	ksi
BEND LINE WIDTH =	42.2	in.
PLATE MOMENT =	1344.9	in-kips
THICKNESS REQD =	2.00	in.
BENDING STRESS =	47.8	ksi
ALLOWABLE =	47.9	ksi
(Fy x .60 x 1.33)		

BASE PLATE USED

2.00 in.	THICK	
66.00 in.	ROUND	SHIP
40.00 in.	CENTER HOLE	(lbs)
.00 in.		1224

LOAD CASE SUMMARY

	FORCES-(kips)			MOMENTS-(ft-k)			ABolt-Str		Plate-Str		ABolt-Bond		
LC	Axial	ShearX	ShearY	X-axis	Y-axis	TorQ	Actual ksi	Allow ksi	Actual ksi	Allow ksi	Actual psi	Allow psi	Design Code
1	34.8	.0	21.2	2690	0	.0	-56.1	59.9	47.8	47.9	212	303	EIA-F
2	40.5	.0	17.0	2234	0	.0	-46.9	59.9	39.3	47.9	149	303	EIA-F
3	34.2	.0	8.3	1058	0	.0	-22.6	59.9	18.2	47.9	-17	303	EIA-F

0407104P.lpo

Licensed to: Amy Nordstrom

Sabre

LATERALLY LOADED PILE ANALYSIS PROGRAM LPILE plus
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THE PROGRAM WAS COMPILED USING MICROSOFT FORTRAN COMPILER,
(C) COPYRIGHT MICROSOFT CORPORATION

180' Monopole Site Acquisitions, Inc. Enfield, CT (04-07104) 7-21-03 ARH

****
ULTIMATE BENDING RESISTANCE AND FLEXURAL RIGIDITY
****

DIAMETER = 84.00 IN

CONCRETE COMPRESSIVE STRENGTH = 4.000000 KIP/IN**2

REBAR YIELD STRENGTH = 60.000000 KIP/IN**2

MODULUS OF ELASTICITY OF STEEL = 29000.000000 KIP/IN**2

NUMBER OF REINFORCING BARS = 36

AREA OF ONE REBAR = .790E+00 IN**2

NUMBER OF ROWS OF REINFORCING BARS = 19

COVER THICKNESS = 4.000 IN

SQUASH LOAD CAPACITY = 20451.72 KIP

ROW NUMBER	AREA OF REINFORCEMENT IN**2	DISTANCE TO CENTROIDAL AXIS IN
1	.790000	38.0000
2	1.580000	37.4227
3	1.580000	35.7084
4	1.580000	32.9090
5	1.580000	29.1097
6	1.580000	24.4260
7	1.580000	19.0000
8	1.580000	12.9968
9	1.580000	6.5986
10	1.580000	.0000
11	1.580000	-6.5986
12	1.580000	-12.9968
13	1.580000	-19.0000
14	1.580000	-24.4260
15	1.580000	-29.1097
16	1.580000	-32.9090

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17	1.580000	-35.7084
18	1.580000	-37.4227
19	.790000	-38.0000

OUTPUT RESULTS FOR AN AXIAL LOAD = 34.84 KIP

MOMENT IN-KIP	EI KIP-IN**2	PHI 1/IN	MAX STR IN/IN	N AXIS IN
.944E+04	.94377E+10	.000001	.00004	43.829
.944E+04	.18875E+10	.000005	.00010	19.278
.129E+05	.14337E+10	.000009	.00017	18.552
.182E+05	.14002E+10	.000013	.00024	18.309
.235E+05	.13808E+10	.000017	.00031	18.208
.287E+05	.13644E+10	.000021	.00038	18.200
.339E+05	.13546E+10	.000025	.00045	18.200
.390E+05	.13448E+10	.000029	.00053	18.200
.443E+05	.13414E+10	.000033	.00060	18.205
.481E+05	.12989E+10	.000037	.00067	18.138
.505E+05	.12313E+10	.000041	.00073	17.853
.523E+05	.11621E+10	.000045	.00079	17.542
.537E+05	.10968E+10	.000049	.00084	17.238
.549E+05	.10364E+10	.000053	.00090	16.949
.598E+05	.72098E+09	.000083	.00127	15.315
.619E+05	.54799E+09	.000113	.00159	14.079
.632E+05	.44164E+09	.000143	.00191	13.327
.637E+05	.36835E+09	.000173	.00220	12.702
.642E+05	.31627E+09	.000203	.00252	12.421
.643E+05	.27618E+09	.000233	.00280	12.001
.645E+05	.24518E+09	.000263	.00308	11.695
.646E+05	.22041E+09	.000293	.00336	11.483
.646E+05	.20007E+09	.000323	.00367	11.352
.646E+05	.18307E+09	.000353	.00396	11.228

THE ULTIMATE BENDING MOMENT AT A CONCRETE STRAIN OF 0.003
IS : .644E+05 IN-KIP

PROGRAM LPILE plus Version 3.0

180' Monopole Site Acquisitions, Inc. Enfield, CT (04-07104) 7-21-03 ARH

UNITS--ENGLISH UNITS

INPUT INFORMATION

THE LOADING IS STATIC

PILE GEOMETRY AND PROPERTIES

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0407104p.lpo

PILE LENGTH = 360.00 IN
2 POINTS

X	DIAMETER	MOMENT OF INERTIA	AREA	MODULUS OF ELASTICITY
IN	IN	IN**4	IN**2	LBS/IN**2
.00	84.000	.244E+07	.554E+04	.360E+07
360.00	84.000	.244E+07	.554E+04	.360E+07

SOILS INFORMATION

X AT THE GROUND SURFACE = 12.00 IN

SLOPE ANGLE AT THE GROUND SURFACE = .00 DEG.

5 LAYER(S) OF SOIL

LAYER 1
THE SOIL IS A SAND - P-Y CRITERIA BY REESE ET AL, 1974
X AT THE TOP OF THE LAYER = 12.00 IN
X AT THE BOTTOM OF THE LAYER = 18.00 IN
MODULUS OF SUBGRADE REACTION = .100E+01 LBS/IN**3

LAYER 2
THE SOIL IS A SAND - P-Y CRITERIA BY REESE ET AL, 1974
X AT THE TOP OF THE LAYER = 18.00 IN
X AT THE BOTTOM OF THE LAYER = 60.00 IN
MODULUS OF SUBGRADE REACTION = .900E+02 LBS/IN**3

LAYER 3
THE SOIL IS A SAND - P-Y CRITERIA BY REESE ET AL, 1974
X AT THE TOP OF THE LAYER = 60.00 IN
X AT THE BOTTOM OF THE LAYER = 72.00 IN
MODULUS OF SUBGRADE REACTION = .900E+02 LBS/IN**3

LAYER 4
THE SOIL IS A SAND - P-Y CRITERIA BY REESE ET AL, 1974
X AT THE TOP OF THE LAYER = 72.00 IN
X AT THE BOTTOM OF THE LAYER = 492.00 IN
MODULUS OF SUBGRADE REACTION = .600E+02 LBS/IN**3

LAYER 5
THE SOIL IS A SAND - P-Y CRITERIA BY REESE ET AL, 1974
X AT THE TOP OF THE LAYER = 492.00 IN
X AT THE BOTTOM OF THE LAYER = 516.00 IN
MODULUS OF SUBGRADE REACTION = .125E+03 LBS/IN**3

DISTRIBUTION OF EFFECTIVE UNIT WEIGHT WITH DEPTH
10 POINTS

X,IN	WEIGHT,LBS/IN**3
12.00	.58E-01
18.00	.58E-01
18.00	.58E-01
60.00	.58E-01
60.00	.58E-01
72.00	.58E-01
72.00	.22E-01

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492.00	.22E-01
492.00	.22E-01
516.00	.22E-01

DISTRIBUTION OF STRENGTH PARAMETERS WITH DEPTH
10 POINTS

X,IN	C,LBS/IN**2	PHI,DEGREES	E50
12.00	.000E+00	.100E+01	-----
18.00	.000E+00	.100E+01	-----
18.00	.000E+00	.300E+02	-----
60.00	.000E+00	.300E+02	-----
60.00	.000E+00	.300E+02	-----
72.00	.000E+00	.300E+02	-----
72.00	.000E+00	.300E+02	-----
492.00	.000E+00	.300E+02	-----
492.00	.000E+00	.360E+02	-----
516.00	.000E+00	.360E+02	-----

BOUNDARY AND LOADING CONDITIONS

LOADING NUMBER 1

BOUNDARY-CONDITION CODE	=	1
LATERAL LOAD AT THE PILE HEAD	=	.212E+05 LBS
MOMENT AT THE PILE HEAD	=	.323E+08 IN-LBS
AXIAL LOAD AT THE PILE HEAD	=	.348E+05 LBS

FINITE-DIFFERENCE PARAMETERS

NUMBER OF PILE INCREMENTS	=	100
DEFLECTION TOLERANCE ON DETERMINATION OF CLOSURE	=	.100E-11 IN
MAXIMUM NUMBER OF ITERATIONS ALLOWED FOR PILE ANALYSIS	=	100
MAXIMUM ALLOWABLE DEFLECTION	=	.16E+03 IN

OUTPUT CODES

KOUTPT	=	0
KPYOP	=	1
INC	=	1

DEPTH IN	DIAM IN	PHI	GAMMA AVG LBS/IN**3	A	B	PST	PSD
66.74	84.00	30.0	.543E-01	2.34	1.72	.105E+04	.874E+04

Y IN	P LBS/IN
.000E+00	.000E+00
.117E+00	.406E+03
.233E+00	.812E+03
.350E+00	.121E+04
.467E+00	.132E+04
.583E+00	.141E+04
.700E+00	.148E+04
.817E+00	.155E+04
.933E+00	.161E+04
.105E+01	.167E+04
.117E+01	.172E+04
.128E+01	.177E+04

.140E+01	.181E+04
.315E+01	.246E+04
.872E+02	.246E+04
.171E+03	.246E+04
.255E+03	.246E+04

DEPTH IN	DIAM IN	PHI	GAMMA AVG LBS/IN**3	A	B	PST	PSD
145.48	84.00	30.0	.367E-01	1.69	1.21	.243E+04	.129E+05

Y IN	P LBS/IN
.000E+00	.000E+00
.117E+00	.957E+03
.233E+00	.169E+04
.350E+00	.192E+04
.467E+00	.210E+04
.583E+00	.225E+04
.700E+00	.238E+04
.817E+00	.250E+04
.933E+00	.260E+04
.105E+01	.270E+04
.117E+01	.279E+04
.128E+01	.288E+04
.140E+01	.296E+04
.315E+01	.411E+04
.872E+02	.411E+04
.171E+03	.411E+04
.255E+03	.411E+04

DEPTH IN	DIAM IN	PHI	GAMMA AVG LBS/IN**3	A	B	PST	PSD
224.22	84.00	30.0	.315E-01	1.21	.84	.431E+04	.170E+05

Y IN	P LBS/IN
.000E+00	.000E+00
.117E+00	.151E+04
.233E+00	.194E+04
.350E+00	.223E+04
.467E+00	.247E+04
.583E+00	.267E+04
.700E+00	.284E+04
.817E+00	.300E+04
.933E+00	.314E+04
.105E+01	.328E+04
.117E+01	.340E+04
.128E+01	.351E+04
.140E+01	.362E+04
.315E+01	.521E+04
.872E+02	.521E+04
.171E+03	.521E+04
.255E+03	.521E+04

DEPTH IN	DIAM IN	PHI	GAMMA AVG LBS/IN**3	A	B	PST	PSD
302.96	84.00	30.0	.289E-01	.98	.62	.670E+04	.212E+05

Y IN	P LBS/IN

p. F5

0407104P.lpo

.000E+00	.000E+00
.117E+00	.131E+04
.233E+00	.180E+04
.350E+00	.218E+04
.467E+00	.249E+04
.583E+00	.276E+04
.700E+00	.301E+04
.817E+00	.323E+04
.933E+00	.344E+04
.105E+01	.363E+04
.117E+01	.381E+04
.128E+01	.399E+04
.140E+01	.415E+04
.315E+01	.656E+04
.872E+02	.656E+04
.171E+03	.656E+04
.255E+03	.656E+04

O U T P U T I N F O R M A T I O N

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-DEFLECTION *
* CURVES FOR LATERAL LOADING *
****

LOADING NUMBER 1

BOUNDARY CONDITION CODE	=	1
LATERAL LOAD AT THE PILE HEAD	=	.212E+05 LBS
MOMENT AT THE PILE HEAD	=	.323E+08 IN-LBS
AXIAL LOAD AT THE PILE HEAD	=	.348E+05 LBS

OUTPUT VERIFICATION

THE MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = .103E-03 IN-LBS
THE MAX. LATERAL FORCE IMBALANCE FOR ANY ELEMENT = .196E-04 LBS

S U M M A R Y T A B L E

BOUNDARY CONDITION BC1	BOUNDARY CONDITION BC2	AXIAL LOAD LBS	PILE HEAD DEFLECTION IN	MAX. MOMENT IN-LBS	MAX. SHEAR LBS
.2120E+05	.3229E+08	.3484E+05	.9483E+00	.3327E+08	-.1881E+06

p. F6

UBC 1806.8.2.1

d = A/2*(1+(1+(4.36*h/A))^0.5)

Monopole

Moment (ft-k)	2690.8
Shear (k)	21.2
Caisson Diameter, b (ft)	7
Caisson Height Above Ground (ft)	1
Caisson Height Below Ground (ft)	23
S_1 (lateral soil pres.) lb/ft^3	300

Applied lateral force, P (lbs)	21200
Dist. from ground to application of P, h (ft)	127.93
A = 2.34*P/(S1*b)	3.08
Min. Depth of Embedment Required, d (ft)	22.33

MAT FOUNDATION DESIGN BY SABRE COMMUNICATIONS CORP.
180' Monopole Site Acquisitions, Inc. Enfield, CT (04-07104) 7-23-03 ARH

Overall Loads:			
Moment (ft-kips)	2680.80		
Axial (kips)	34.84		
Shear (kips)	21.2		
Allowable Bearing Pressure (ksf)	2	Maximum Soil Bearing Pressure (ksf)	1.58
Water Table Below Grade (ft)	5		
Width of Mat (ft)	23		
Thickness of Mat (ft)	2		
Depth to Bottom of Slab (ft)	5.5		
Quantity of Bars in Bolt Circle	12		
Bolt Circle Diameter (in)	60		
Top of Concrete to Top of Bottom Threads (in)	60		
Diameter of Pier (ft)	7	Minimum Pier Diameter (ft)	6.50
Ht. of Pier Above Ground (ft)	1	Equivalent Square b (ft)	6.20
Ht. of Pier Below Ground (ft)	3.5		
Quantity of Bars in Mat	36		
Bar Diameter in Mat (in)	1		
Area of Bars in Mat (in^2)	28.27		
Spacing of Bars in Mat (in)	7.69	Recommended Spacing (in)	6 to 12
Quantity of Bars Pier	36		
Bar Diameter in Pier (in)	1		
Tie Bar Diameter in Pier (in)	0.5		
Spacing of Ties (in)	12		
Area of Bars in Pier (in^2)	28.27	Minimum Pier A_s (in^2)	27.71
Spacing of Bars in Pier (in)	6.63	Recommended Spacing (in)	6 to 12
f'c (ksi)	4		
fy (ksi)	60		
Unit Wt. of Soil (kcf)	0.1		
Unit Wt. of Concrete (kcf)	0.15		
Load Factor	1.3		
Volume of Concrete (yd^3)	45.60		
Two-Way Shear Action:			
Average d (in)	20		
ϕV_c (kips)	1239.8	V_u (kips)	50.1
$\phi V_c = \phi(2 + 4/\beta_c)f'_c{}^{1/2}b_o d$	1859.8		
$\phi V_c = \phi(\alpha_s d/b_o + 2)f'_c{}^{1/2}b_o d$	1378.9		
$\phi V_c = \phi 4 f'_c{}^{1/2}b_o d$	1239.8		
Shear perimeter, b_o (in)	326.73		
β_c	1		
One-Way Shear:			
q_{ult} (ksf)	1.93		
ϕV_c (kips)	523.7	V_u (kips)	298.8
Stability:			
Allowable Resisting M (ft-k)	2872.6	Total Applied M (ft-k)	2828.6

MAT FOUNDATION DESIGN BY SABRE COMMUNICATIONS CORP. (CONTINUED)
180' Monopole Site Acquisitions, Inc. Enfield, CT (04-07104) 7-23-03 ARH

Pier Design:

ϕV_n (kips)	537.2	V_u (kips)	27.6
$\phi V_c=\phi 2(1+N_u/(2000A_g))f'_c{}^{1/2}b_wd$	537.2		
V_s (kips)	0.0	*** V_s max = 4 $f'_c{}^{1/2}b_wd$ (kips)	1428.0
Maximum Spacing (in)	5.61	(Only if Shear Ties are Required)	

*** Ref. To Spacing Requirements ACI 11.5.4.3

Flexure in Slab:

ϕM_n (ft-kips)	2429.7	M_u (ft-kips)	2392.3
a (in)	1.81		
Steel Ratio	0.00612		
β_1	0.85		
Maximum Steel Ratio (.75ρ_b)	0.0214		
Minimum Steel Ratio	0.0018		
Rebar Development in Pad (in)	136.00	Required Development in Pad (in)	46.67

Condition	1 Is OK, 0 Fails
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Interaction Diagram Visual Check	1
Two-Way Shear Action	1
One-Way Shear Action	1
Stability (Safety Factor = 1.5)	1
Flexure	1
Steel Ratio	1
Length of Development in Pad	1

ATTACHMENT 2

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WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
SOMERS WEST CT

METRO TOWER # ENF-03
37 BACON RD.
ENFIELD, CT 06082

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	SOMERS WEST CT
SITE ADDRESS:	37 BACON RD. ENFIELD, CT 06082
PROPERTY OWNER:	SHAKER PINES FIRE DISTRICT #5 37 BACON RD. ENFIELD, CT 06082
TOWER OWNER/MGMT:	METRO TOWER # ENF-03
PARCEL ID:	094-0062
COORDINATES:	42° 00' 57.3696" N 72° 31' 43.4604" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP

SHEET INDEX	
DE-1	TITLE SHEET
DE-2	COMPOUND PLAN & ELEVATION
DE-3	ANTENNA PLANS & ELEVATION
DE-4	RF PLUMBING DIAGRAM & B.O.M.
DE-5	GENERAL CONSTRUCTION NOTES

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WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
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Cold Spring, NY 10516
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onair@optonline.net

LICENSURE

STATE OF CONNECTICUT · DAVID A. WEINPAHL · NO. 22144 · LICENSED · LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
0	03.12.21	REVIEW
1	01.21.22	PERMITTING/CONSTRUCTION
2	06.03.22	REVISED PER ATTORNEY COMMENTS

DRAWN BY: MF
CHECKED BY: DW

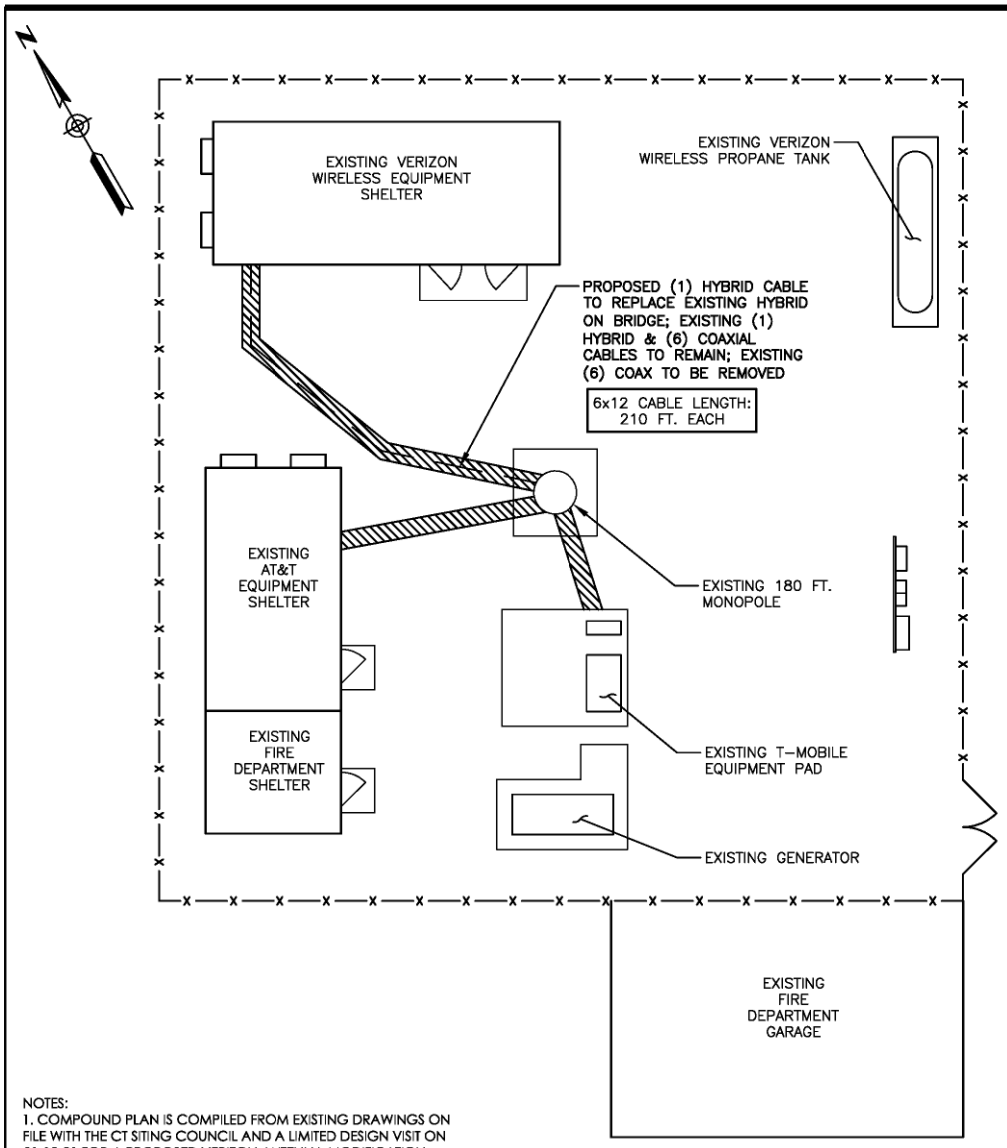
PROJECT NAME:
ANTMO
MT6407-850-LTE
DESIGN EXHIBITS

SITE NAME:
SOMERS WEST CT

SITE ADDRESS:
METRO TOWER # ENF-03
37 BACON RD.
ENFIELD, CT 06082

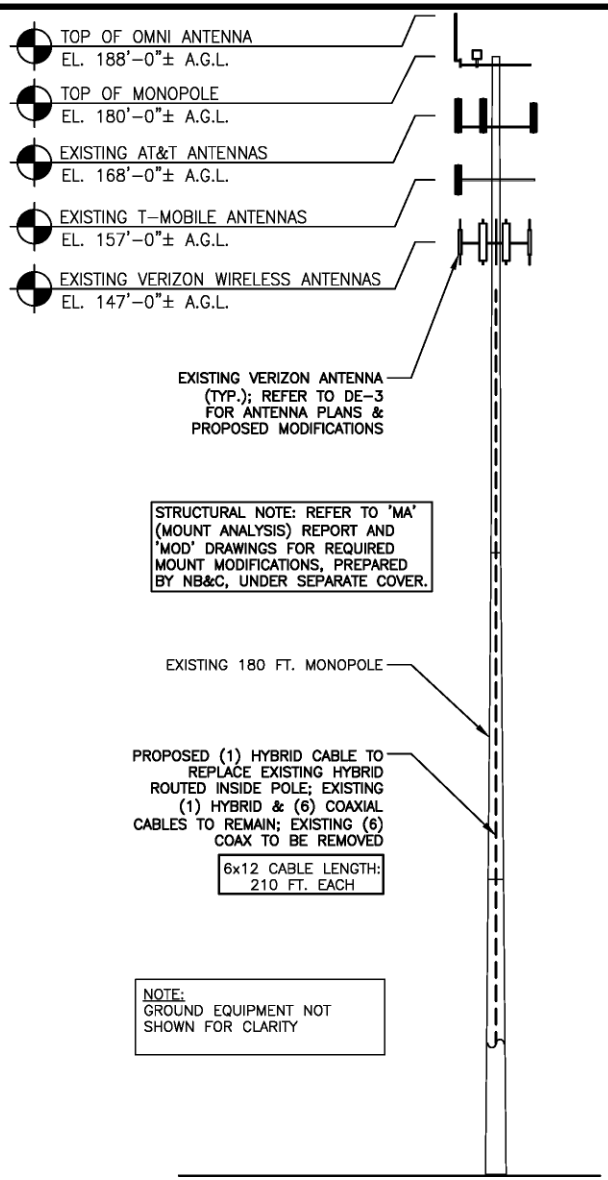
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



NOTES:
1. COMPOUND PLAN IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 01-18-21 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, INCLUDING MODIFICATION DRAWIGNS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATION WORK.

1 / DE-2 **COMPOUND PLAN**
Scale: 3/32" = 1'-0"



2 / DE-2 **ELEVATION**
Scale: NTS

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SOMERS WEST CT

SITE ADDRESS:
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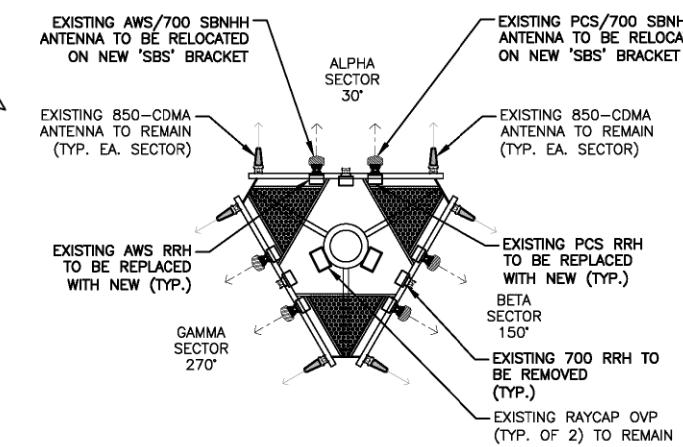
37 BACON RD.
ENFIELD, CT 06082

SHEET TITLE:
COMPOUND PLAN
& ELEVATION

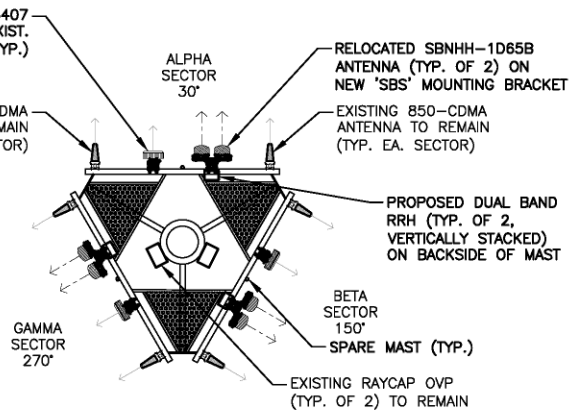
SHEET NUMBER:
DE-2



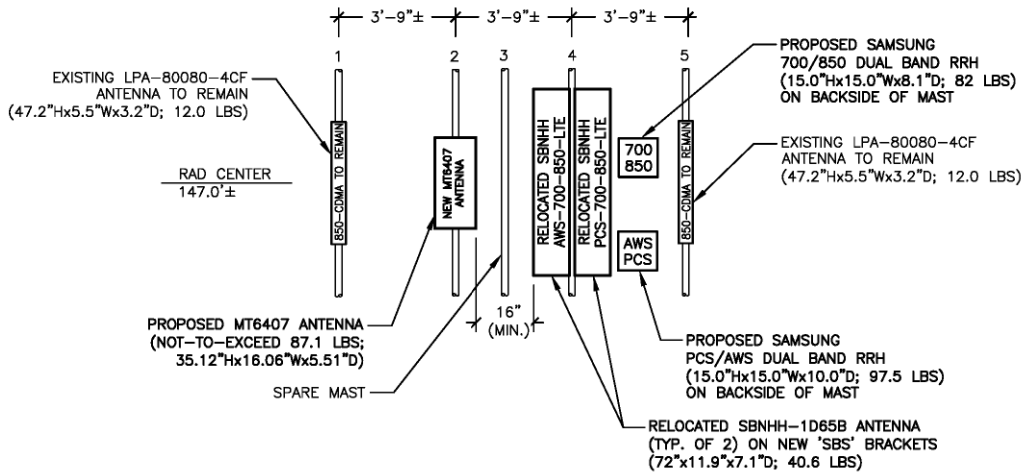
1 DE-3 ANTENNA PLAN @ 147 FT. - EXISTING
Scale: 1/8" = 1'-0"

STRUCTURAL NOTE: REFER TO 'MA' (MOUNT ANALYSIS) REPORT AND 'MOD' DRAWINGS FOR REQUIRED MOUNT MODIFICATIONS, PREPARED BY NB&C, UNDER SEPARATE COVER.

NOTE: NEW DUAL RRH LOCATIONS SHOWN BASED ON MOUNT ANALYSIS BY OTHERS



2 DE-3 ANTENNA PLAN @ 147 FT. - PROPOSED
Scale: 1/8" = 1'-0"



(VIEWED FROM BEHIND SECTOR)

3 DE-3 ANTENNA ELEVATION (TYP.) - PROPOSED
Scale: 1/4" = 1'-0"

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CHECKED BY:	DW

PROJECT NAME:
ANTMO
MT6407-850-LTE
DESIGN EXHIBITS

SITE NAME:
SOMERS WEST CT

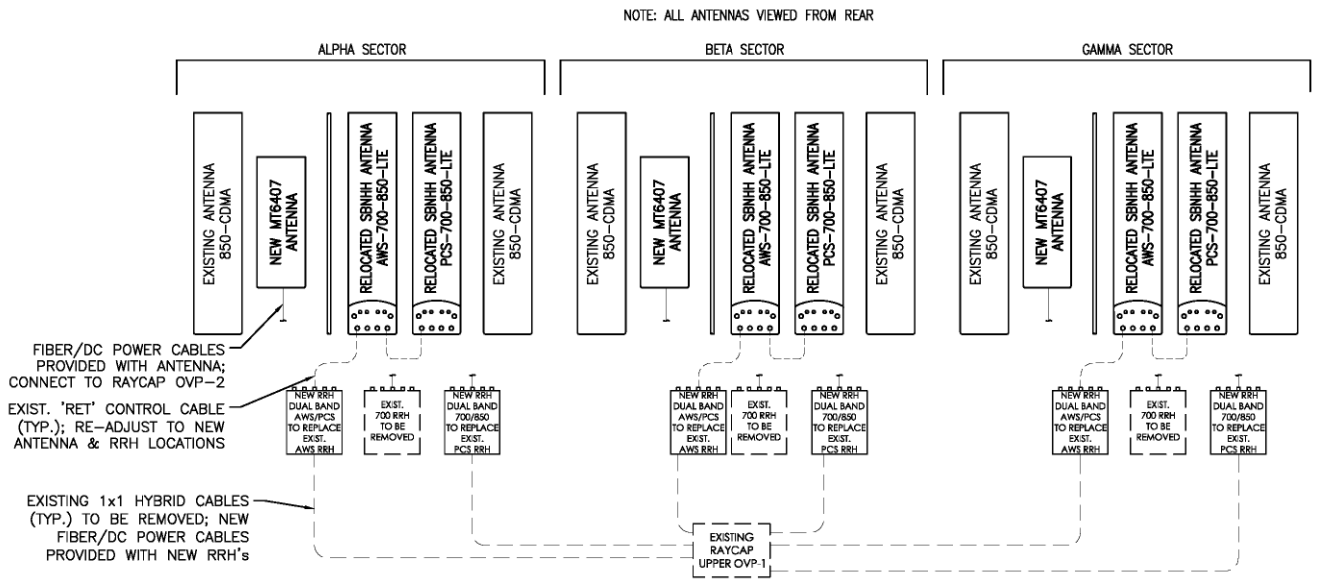
SITE ADDRESS:
METRO TOWER # ENF-03
37 BACON RD.
ENFIELD, CT 06082

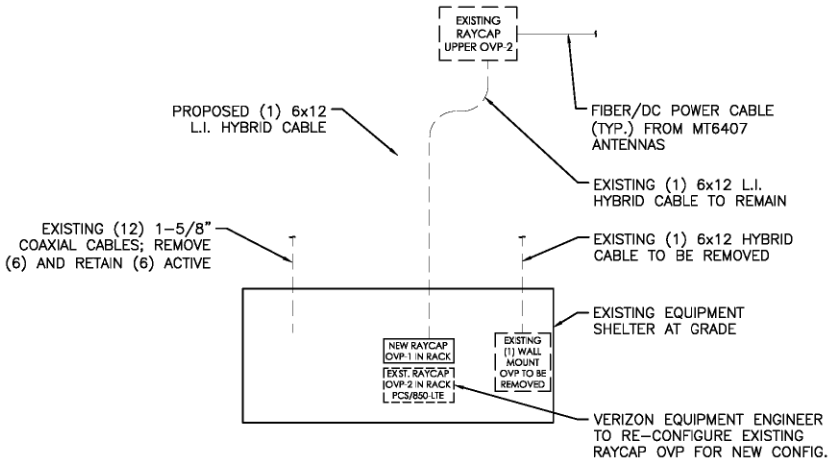
SHEET TITLE:
ANTENNA PLANS & ELEVATION

SHEET NUMBER:
DE-3

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURERS INSTRUCTIONS. EXTERIOR CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING SUPPORTS EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS WHEN REQUIRED.
3. ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
4. REFER TO RFDS FOR DETAILED PLUMBING DIAGRAM SHOWING ALL JUMPER AND OTHER CABLING CONNECTIONS AT ANTENNAS, RRH's, DIPLEXERS OR OTHER DEVICES.





1 / DE-4 **RF PLUMBING DIAGRAM**
Scale: N.T.S

BILL OF MATERIALS

SITE NAME: SOMERS WEST CT	ANTMO MT6407-850-LTE		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	-	-	EXISTING (2) RACK MT. TO REMAIN
6-CKT. UPPER OVP	1	-	EXISTING (1) TO REMAIN
6x12 L.I. HYBRID CABLE	1	210 FT.	EXISTING (1) TO REMAIN
'RET' CONTROL CABLE	-	-	EXISTING TO REMAIN
1/2" JUMPER CABLE	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED - 1 PER SECTOR
SBNHH AWS-700-850-LTE ANTENNA	-	-	EXIST. TO REMAIN - 1 PER SECTOR - RELOCATE TO SBS BRACKET
SBNHH PCS-700-850-LTE ANTENNA	-	-	EXIST. TO REMAIN - 1 PER SECTOR - RELOCATE TO SBS BRACKET
COMMSCOPE SBS MOUNTING BRACKET	3	-	REFER TO RFDS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR

NOTES:
1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS RFDS FOR ALL MANUFACTURER PART NUMBERS AND ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

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DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS		
0	03.12.21	REVIEW
1	01.21.22	PERMITTING/CONSTRUCTION
2	06.03.22	REVISED PER ATTORNEY COMMENTS
NO	DATE	DESCRIPTION

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CHECKED BY:	DW

PROJECT NAME:
ANTMO
MT6407-850-LTE
DESIGN EXHIBITS

SITE NAME:
SOMERS WEST CT

SITE ADDRESS:
METRO TOWER # ENF-03
37 BACON RD.
ENFIELD, CT 06082

SHEET TITLE:
RF PLUMBING DIAGRAM & B.O.M.

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON, THE PRO*PERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND ALL LOCAL LAWS AND REGULATIONS, CURRENT EDITIONS.

3. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.

5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.

6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.

7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.

8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.

10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

11. ALL MATERIAL PROVIDED BY *CELLCO PARTNERSHIP d/b/a VERIZON IS TO BE* REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTOR PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTION IMMEDIATELY.

12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.

14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, ETC.

15. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

16. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL O.S.H.A REQUIREMENTS.

19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.

21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.

22. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.

24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.

25. BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.

verizon

WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS		
0	03.12.21	REVIEW
1	01.21.22	PERMITTING/CONSTRUCTION
2	06.03.22	REVISED PER ATTORNEY COMMENTS

NO	DATE	DISCRIPTION

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:

ANTMO
MT6407-850-LTE
DESIGN EXHIBITS

SITE NAME:

SOMERS WEST CT

SITE ADDRESS:

METRO TOWER # ENF-03
37 BACON RD.
ENFIELD, CT 06082

SHEET TITLE:

GENERAL
CONSTRUCTION
NOTES

SHEET NUMBER:

DE-5

SAMSUNG

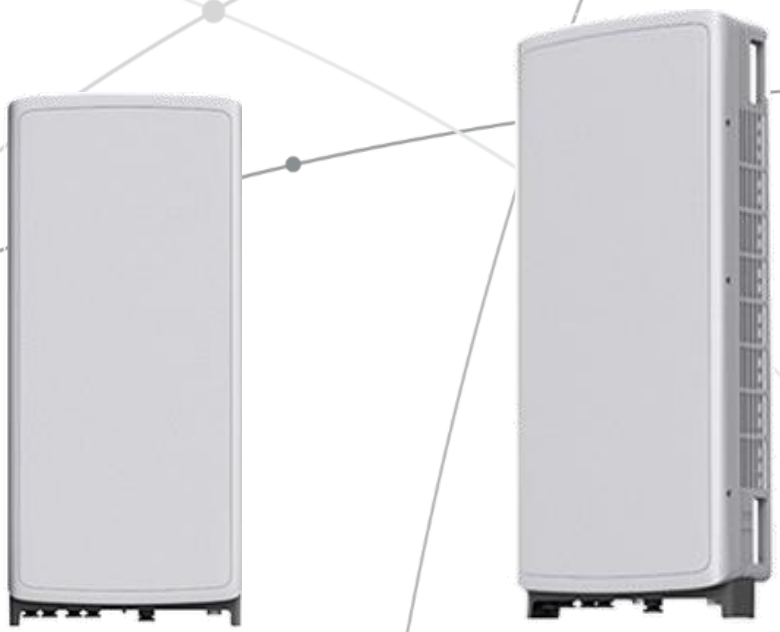
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

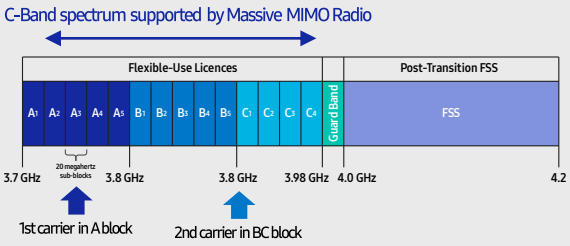


Points of Differentiation

Wide Bandwidth

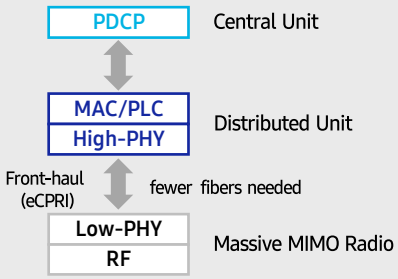
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

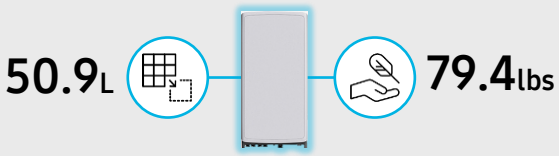
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Somers W (Enfield)								
Tower Height: Verizon @ 147ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	2	2334	160	2100	0.0708	1	0.71%	
*T-Mobile	2	440	160	600	0.0133	0.4	0.33%	
*T-Mobile	1	1172	160	600	0.0178	0.4	0.44%	
*T-Mobile	2	511	160	700	0.0155	0.4667	0.33%	
*T-Mobile	4	960	160	1900	0.0582	1	0.58%	
*T-Mobile	2	1919	160	1900	0.0582	1	0.58%	
*T-Mobile	1	11045	160	2500	0.1675	1	1.67%	
*T-Mobile	1	1074	160	2500	0.0163	1	0.16%	
*T-Mobile	1	22089	160	2500	0.3349	1	3.35%	
*T-Mobile	1	2148	160	2500	0.0326	1	0.33%	
*AT&T	1	509	168	850	0.007	0.5667	0.12%	
*AT&T	4	3973	168	190	0.2178	0.2	10.89%	
*AT&T	4	2851	168	2300	0.1563	1	1.56%	
*AT&T	2	1157	168	700	0.0317	0.4667	0.68%	
*AT&T	1	865	168	850	0.0119	0.5667	0.21%	
*AT&T	4	3973	168	1900	0.2178	1	2.18%	
*AT&T	4	3055	168	2300	0.1675	1	1.67%	
*AT&T	2	1298	168	700	0.0356	0.4667	0.76%	
*AT&T	1	906	168	850	0.0124	0.5667	0.22%	
*AT&T	4	3973	168	1900	0.2178	1	2.18%	
*AT&T	4	2786	168	2300	0.1527	1	1.53%	
VZW 700	**4**	**689**	**147**	**751**	**0.0046**	**0.5007**	**0.92%**	
VZW CDMA	**2**	**361**	**147**	**878.49**	**0.0012**	**0.5857**	**0.20%**	
VZW Cellular	**4**	**816**	**147**	**874**	**0.0054**	**0.5827**	**0.93%**	
VZW PCS	**4**	**1574**	**147**	**1972.5**	**0.0105**	**1.0000**	**1.05%**	
VZW AWS	**4**	**1562**	**147**	**2120**	**0.0104**	**1.0000**	**1.04%**	
VZW CBAND	**2**	**13335**	**147**	**3730.08**	**0.0444**	**1.0000**	**4.44%**	
								39.06%
* Source: Siting Council								

ATTACHMENT 4

PAUL J. FORD & COMPANY

Report Date:	March 22, 2022
Client:	On Air Engineering, LLC 88 Foundry Pond Road Cold Spring, NY 10516 Attn: David Weinpahl, P.E. (201) 456-4624 dweinpahl@onaireng.com
Structure:	Existing 179-ft Monopole
Site Name:	Somers West CT
Site Address:	37 Bacon Street
City, County, State:	Enfield, Hartford County, CT
Latitude, Longitude:	42.015936, -72.528739
PJF Project:	A42921-0011.001.7805

Paul J. Ford and Company is pleased to submit this "**Structural Analysis Report**" to determine the tower stress level.

Analysis Criteria:
This analysis utilizes an ultimate 3-second gust wind speed of 116 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Proposed Appurtenance Loads:
The structure was analyzed with the proposed loading configuration shown in Table 1 combined with the other considered equipment shown in Table 2 of this report.

Summary of Analysis Results:

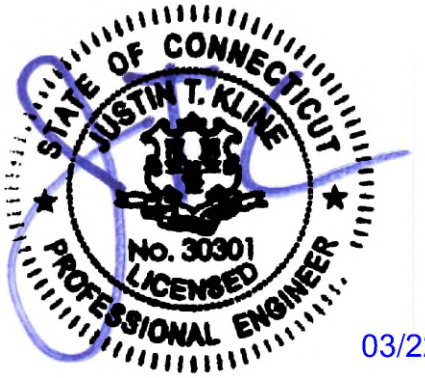
Existing Structure:	Pass - 95.8%
Existing Foundation:	Pass - 97.7%

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you and On Air Engineering, LLC. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully Submitted by:
Paul J. Ford and Company

Nathan C. Miller

Nathan C. Miller, P.E.
Project Engineer
nmiller@pauljford.com



03/22/2022

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 179 ft Monopole tower designed by Sabre in July of 2003.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
147.0	147.0	4	antel	LPA-80080-4CF-EDIN-0 w/ Mount Pipe	6 2	1-5/8 Hybrid
		2	antel	LPA-80080/4CF w/ Mount Pipe		
		3	commscope	BSAMNT-SBS-1-2		
		3	samsung telecommunications	B2/B66A RRH-BR049 (RFV01U-D1A)		
		3	samsung telecommunications	B5/B13 RRH-BR04C (RFV01U-D2A)		
		2	raycap	OVP-6		
		1	tower mounts	Andrew 12' Platform w/ modifications		
		6	andrew	SBNHH-1D65B w/ Mount Pipe		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		

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)
178.0	183.0	1	generic	10 ft x 3" Omni	2 2	1/2 1-1/4
	179.0	1	generic	12" x 12" x 6" Panel w/ Mount Pipe		
	178.0	1	generic	12" x 8" x 3" Box		
		1	microwave dishes	2 ft standard		
		1	tower mounts	Side Arm Mount		

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)
168.0	168.0	2	cci antennas	TPA-65R-LCUUUU-H8 w/ Mount Pipe	6 4 2 1	1-5/8 Power Fiber Alarm
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS-11		
		3	ericsson	RRUS-32		
		1	quintel technology	QS66512-2 w/ Mount Pipe		
		1	raycap	DC6-48-60-18-8C-EV		
		1	raycap	DC6-48-60-18-8F		
		1	tower mounts	T-Arm Mount		
158.0	160.0	3	ericsson	AIR6449 B41 w/ Mount Pipe	3	1-5/8
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RADIO 4424 B25_TMO		
		3	ericsson	RADIO 4415 B66A		
		3	rfs celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	rfs celwave	APXVAALL18_43-U-NA20_TMO w/ Mount Pipe		
	158.0	1	tower mounts	T-Frame Mount		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Pole and Foundation Drawings	Sabre, 07/23/2003	04-07104 Rev. A	On Air Engineering
Geotechnical Report (Boring Log)	Soil Exploration Corp, 07/01/2003	03-0649	
Geotechnical Opinion Letter	Atlantic Consulting & Engineering, 01/20/2022	22.0120	
Mount Analysis	NB+C, 08/13/2021	100820	
Mount Modification Drawings	NB+C, 08/13/2021	100819	
Previous Structural Analysis	Hudson Design Group, 06/07/2021	CT11533B Rev. 2	

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.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) At the time of analysis, the foundation documentation detailed (2) different types of foundations. It should be determined which of the foundation types was installed on site.
4) All coaxial cables are assumed to run internal to the monopole shaft.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company 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	179 - 148	Pole	TP21.3x14.4x0.1875	1	-5.32	749.40	38.4	Pass
L2	148 - 97.25	Pole	TP32.44x20.3129x0.25	2	-14.84	1524.77	88.5	Pass
L3	97.25 - 47.75	Pole	TP43.1x31.0333x0.3125	3	-24.69	2531.29	83.6	Pass
L4	47.75 - 0	Pole	TP53.23x41.2345x0.3125	4	-38.67	3224.05	95.8	Pass
							Summary	
						Pole (L4)	95.8	Pass
						RATING =	95.8	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	88.1	Pass
1	Base Plate	0	67.5	Pass
1	Base Foundation (Structural)	0	81.6	Pass
1	Base Foundation (Soil)	0	97.7	Pass

Structure Rating (max from all components) =	97.7%

Notes:
1) See additional documentation in “Appendix B – Additional Calculations” for calculations supporting the % capacity consumed.
2) Foundation capacity determined by comparing analysis reactions to original design reactions.

4.1) Recommendations

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

STANDARD CONDITIONS FOR FURNISHING OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING STRUCTURES BY PAUL J. FORD AND COMPANY

1) Paul J. Ford and Company has not made a field inspection to verify the monopole dimensions or the antenna/coax loading. If the existing conditions are not as represented on these sketches, we should be contacted immediately to reevaluate any conclusions stated in this report.

2) No allowance was made for any damaged, missing, or rusted material. The analysis of this monopole assumes that no physical deterioration has occurred in any of the structural components of the monopole and that all the structural members have the same load carrying capacity as the day the monopole was erected.

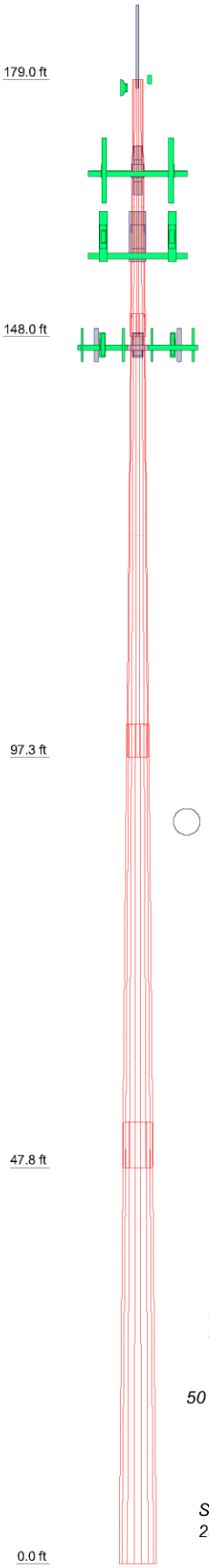
3) It is not possible to have all the detailed information to perform a thorough analysis of every structural sub-component of an existing monopole. The structural analysis provided by Paul J. Ford and Company verifies the adequacy of the main structural members of the monopole. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate, connection detail, etc.

4) The structural integrity of the existing tower foundation can only be verified if exact soil conditions are known. Paul J. Ford and Company will not accept any responsibility for the adequacy of the existing foundations unless a soils report is provided.

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	31.0000	18	0.1875	2.7500	14.4000	21.3000	A572-65	1.1
2	53.5000	18	0.2500	4.0000	20.3129	32.4400		3.8
3	53.5000	18	0.3125	5.5000	31.0333	43.1000		6.6
4	53.2500	18	0.3125		41.2345	53.2300		8.4



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 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 0.0000 ft
8. TOWER RATING: 95.8%

ALL REACTIONS ARE FACTORED

AXIAL 68 K

SHEAR 9 K — *MOMENT 1165 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 39 K

SHEAR 28 K — *MOMENT 3434 kip-ft*

TORQUE 0 kip-ft
REACTIONS - 116 mph WIND

PJFLogo

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job: ***180' Monopole | Somers West CT***			
Project: ***PJF 42921-0011.001.7805***			
Client: On Air Engineering	Drawn by: Nathan Miller	App'd:	
Code: TIA-222-H	Date: 01/21/22	Scale: NTS	
Path: G:\TOWER\429..On Air Engineering\42921\42921-0011..Enfield, CT..Somers West\42921-0011.001.7805.SA\42921-0011.001.7805.eri		Dwg No. E-1	

Tower Input Data

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

1) Tower is located in Hartford County, Connecticut.
2) Tower base elevation above sea level: 170.0000 ft.
3) Basic wind speed of 116 mph.
4) Risk Category II.
5) Exposure Category C.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.0000 ft.
9) Nominal ice thickness of 1.5000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56.00 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Temperature drop of 50 °F.
14) Deflections calculated using a wind speed of 60 mph.
15) A non-linear (P-delta) analysis was used.
16) Pressures are calculated at each section.
17) Stress ratio used in pole design is 1.05.
18) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation ft*	*Section Length ft*	*Splice Length ft*	*Number of Sides*	*Top Diameter in*	*Bottom Diameter in*	*Wall Thickness in*	*Bend Radius in*	*Pole Grade*
L1	179.0000-148.0000	31.0000	2.75	18	14.4000	21.3000	0.1875	0.7500	A572-65 (65 ksi)
L2	148.0000-97.2500	53.5000	4.00	18	20.3129	32.4400	0.2500	1.0000	A572-65 (65 ksi)
L3	97.2500-47.7500	53.5000	5.50	18	31.0333	43.1000	0.3125	1.2500	A572-65 (65 ksi)
L4	47.7500-0.0000	53.2500		18	41.2345	53.2300	0.3125	1.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	14.5932	8.4582	215.8525	5.0454	7.3152	29.5074	431.9890	4.2299	2.2044	11.757
	21.5997	12.5646	707.5622	7.4949	10.8204	65.3915	1416.0555	6.2835	3.4188	18.234
L2	21.2207	15.9199	809.5911	7.1223	10.3190	78.4567	1620.2474	7.9615	3.1351	12.54
	32.9019	25.5428	3343.8540	11.4275	16.4795	202.9097	6692.1080	12.7738	5.2694	21.078
L3	32.3799	30.4712	3633.2225	10.9059	15.7649	230.4625	7271.2258	15.2385	4.9119	15.718
	43.7167	42.4399	9816.2392	15.1896	21.8948	448.3366	19645.3948	21.2240	7.0356	22.514
L4	43.0805	40.5895	8587.4631	14.5273	20.9471	409.9590	17186.2258	20.2986	6.7073	21.463
	54.0030	52.4875	18569.1639	18.7857	27.0408	686.7081	37162.7616	26.2488	8.8185	28.219

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 179.0000-148.0000				1	1	1			
L2 148.0000-97.2500				1	1	1			
L3 97.2500-47.7500				1	1	1			
L4 47.7500-0.0000				1	1	1			

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
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	177.0000 - 0.0000	2	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
LDF6-50 (1 1/4" foam)	C	No	No	Inside Pole	177.0000 - 0.0000	2	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
***									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	168.0000 - 0.0000	6	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
DC Power Cable	C	No	No	Inside Pole	168.0000 - 0.0000	4	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
1" Fiber	C	No	No	Inside Pole	168.0000 - 0.0000	2	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
Alarm cable	C	No	No	Inside Pole	168.0000 - 0.0000	1	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
***									
HCS 6X12 4AWG(1-5/8")	C	No	No	Inside Pole	160.0000 - 0.0000	3	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
***									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	150.0000 - 0.0000	6	No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
1.43" Hybrid Cable	C	No	No	Inside Pole	150.0000 - 0.0000	2	1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00
							No Ice	0.0000	0.00
							1/2" Ice	0.0000	0.00
							1" Ice	0.0000	0.00
							2" Ice	0.0000	0.00

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	179.0000-148.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.36
L2	148.0000-97.2500	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.36
L3	97.2500-47.7500	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.32
L4	47.7500-0.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.28

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	179.0000-148.0000	A	1.759	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.36
L2	148.0000-97.2500	A	1.708	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.36
L3	97.2500-47.7500	A	1.621	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.32
L4	47.7500-0.0000	A	1.453	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.28

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	179.0000-148.0000	0.0000	0.0000	0.0000	0.0000
L2	148.0000-97.2500	0.0000	0.0000	0.0000	0.0000
L3	97.2500-47.7500	0.0000	0.0000	0.0000	0.0000
L4	47.7500-0.0000	0.0000	0.0000	0.0000	0.0000

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
10 ft x 3" Omni	A	From Leg	1.0000 0.00 5.00	0.0000	178.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.0000 4.0333 5.0269 6.2574	3.0000 4.0333 5.0269 6.2574	0.05 0.07 0.10 0.18
12" x 12" x 6" Panel w/ Mount Pipe	B	From Leg	1.0000 0.00 1.00	0.0000	178.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.3720 1.5741 1.7882 2.2525	0.9440 1.1778 1.4282 1.9791	0.01 0.03 0.04 0.09
12" x 8" x 3" Box	C	From Leg	1.0000 0.00 0.00	0.0000	178.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8000 0.9148 1.0370 1.3037	0.3167 0.4007 0.4918 0.6949	0.03 0.04 0.04 0.06
Side Arm Mount [SO 201-3]	C	None		0.0000	178.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.2700 6.4700 7.7800 10.6600	5.2700 6.4700 7.7800 10.6600	0.29 0.35 0.43 0.66
***									
QS66512-2_TIA w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	8.3708 8.9314 9.4571 10.5310	8.4625 9.6573 10.5478 12.3523	0.14 0.21 0.30 0.49
TPA-65R-LCUUUU-H8_TIA w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	13.5353 14.2380 14.9495 16.3081	10.9597 12.4861 14.0367 16.3910	0.11 0.22 0.33 0.59
TPA-65R-LCUUUU-H8_TIA w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	13.5353 14.2380 14.9495 16.3081	10.9597 12.4861 14.0367 16.3910	0.11 0.22 0.33 0.59
RRUS-11	A	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7908 2.9984 3.2134 3.6656	1.1923 1.3395 1.4957 1.8390	0.05 0.07 0.09 0.15
RRUS-11	B	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7908 2.9984 3.2134 3.6656	1.1923 1.3395 1.4957 1.8390	0.05 0.07 0.09 0.15
RRUS-11	C	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7908 2.9984 3.2134 3.6656	1.1923 1.3395 1.4957 1.8390	0.05 0.07 0.09 0.15
RRUS-32	A	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.03 0.05 0.08 0.13
RRUS-32	B	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.03 0.05 0.08 0.13
RRUS-32	C	From Leg	4.0000	0.0000	168.0000	No Ice	2.7427	1.6681	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00 0.00			1/2" Ice 1" Ice 2" Ice	2.9647 3.1941 3.6753	1.8552 2.0493 2.4585	0.05 0.08 0.13
RRUS 32 B2	A	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.05 0.07 0.10 0.16
RRUS 32 B2	B	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.05 0.07 0.10 0.16
RRUS 32 B2	C	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.7427 2.9647 3.1941 3.6753	1.6681 1.8552 2.0493 2.4585	0.05 0.07 0.10 0.16
DC6-48-60-18-8F	A	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
DC6-48-60-18-8C-EV	C	From Leg	4.0000 0.00 0.00	0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1445 1.7918 2.0017 2.4505	1.1445 1.7918 2.0017 2.4505	0.03 0.05 0.07 0.13
T-Arm Mount [TA 602-3]	C	None		0.0000	168.0000	No Ice 1/2" Ice 1" Ice 2" Ice	13.4000 16.4400 19.7000 25.8600	13.4000 16.4400 19.7000 25.8600	0.77 1.00 1.29 2.05
***									
APX16DWV-16DWV-S-E-A20_TIA w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.8239 7.2751 7.7192 8.6333	3.5164 4.2860 4.9830 6.4268	0.06 0.11 0.17 0.30
APX16DWV-16DWV-S-E-A20_TIA w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.8239 7.2751 7.7192 8.6333	3.5164 4.2860 4.9830 6.4268	0.06 0.11 0.17 0.30
APX16DWV-16DWV-S-E-A20_TIA w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.8239 7.2751 7.7192 8.6333	3.5164 4.2860 4.9830 6.4268	0.06 0.11 0.17 0.30
APXVAALL18_43-U-NA20_TMO_TIA w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.9042 15.5253 16.1114 17.3063	7.8208 9.0097 9.9124 11.7312	0.14 0.25 0.36 0.62
APXVAALL18_43-U-NA20_TMO_TIA w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.9042 15.5253 16.1114 17.3063	7.8208 9.0097 9.9124 11.7312	0.14 0.25 0.36 0.62
APXVAALL18_43-U-NA20_TMO_TIA w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.9042 15.5253 16.1114 17.3063	7.8208 9.0097 9.9124 11.7312	0.14 0.25 0.36 0.62

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR6449 B41_TIA w/ Mount Pipe	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.8932 6.2567 6.6301 7.4065	3.2839 3.7423 4.2169 5.2149	0.12 0.17 0.22 0.35
AIR6449 B41_TIA w/ Mount Pipe	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.8932 6.2567 6.6301 7.4065	3.2839 3.7423 4.2169 5.2149	0.12 0.17 0.22 0.35
AIR6449 B41_TIA w/ Mount Pipe	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.8932 6.2567 6.6301 7.4065	3.2839 3.7423 4.2169 5.2149	0.12 0.17 0.22 0.35
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9701 2.1466 2.3306 2.7207	1.5865 1.7488 1.9185 2.2800	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9701 2.1466 2.3306 2.7207	1.5865 1.7488 1.9185 2.2800	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9701 2.1466 2.3306 2.7207	1.5865 1.7488 1.9185 2.2800	0.07 0.09 0.12 0.17
RADIO 4424 B25_TMO	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0520 2.2307 2.4168 2.8113	1.6103 1.7717 1.9406 2.3006	0.09 0.11 0.13 0.19
RADIO 4424 B25_TMO	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0520 2.2307 2.4168 2.8113	1.6103 1.7717 1.9406 2.3006	0.09 0.11 0.13 0.19
RADIO 4424 B25_TMO	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0520 2.2307 2.4168 2.8113	1.6103 1.7717 1.9406 2.3006	0.09 0.11 0.13 0.19
RADIO 4415 B66A	A	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8563 2.0266 2.2044 2.5822	0.8701 0.9966 1.1344 1.4322	0.05 0.06 0.08 0.12
RADIO 4415 B66A	B	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8563 2.0266 2.2044 2.5822	0.8701 0.9966 1.1344 1.4322	0.05 0.06 0.08 0.12
RADIO 4415 B66A	C	From Leg	4.0000 0.00 2.00	0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8563 2.0266 2.2044 2.5822	0.8701 0.9966 1.1344 1.4322	0.05 0.06 0.08 0.12
T-Arm Mount [TA 701-3]	C	None		0.0000	158.0000	No Ice 1/2" Ice 1" Ice 2" Ice	23.9400 30.0400 36.1600 48.7200	23.9400 30.0400 36.1600 48.7200	1.09 1.48 1.95 3.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8561 3.2195 3.5922 4.3374	6.5689 7.1948 7.8369 9.1700	0.03 0.08 0.13 0.25
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8561 3.2195 3.5922 4.3374	6.5689 7.1948 7.8369 9.1700	0.03 0.08 0.13 0.25
(2) LPA-80080/4CF w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8561 3.2195 3.5922 4.3374	6.5689 7.1948 7.8369 9.1700	0.03 0.08 0.13 0.25
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
MT6407-77A w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
BSAMNT-SBS-1-2 (Mount Bracket)	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000	0.03 0.05 0.07 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000	0.03 0.05 0.07 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000	0.03 0.05 0.07 0.11
B2/B66A RRH-BR049	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
B2/B66A RRH-BR049	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
B2/B66A RRH-BR049	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
B5/B13 RRH-BR04C	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
B5/B13 RRH-BR04C	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
B5/B13 RRH-BR04C	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
DC6-48-60-18-8F	A	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	B	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	C	From Leg	4.0000 0.00 0.00	0.0000	147.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
Platform Mount [LP 301-1_KCKR]	C	None		0.0000	147.0000	No Ice 1/2" Ice 1" Ice 2" Ice	35.0300 44.4600 53.7200 72.2900	35.0300 44.4600 53.7200 72.2900	1.86 2.52 3.33 5.42

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
2 ft standard	C	Paraboloid w/o Radome	From Leg	1.0000 0.00 0.00	0.0000		178.0000	2.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1400 3.4100 3.6800 4.2100	0.01 0.06 0.10 0.19

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 179.0000-148.0000	162.5762	1.402	0.046	46.749	A	0.000	46.749	46.749	100.00	0.000	0.000
					B	0.000	46.749		100.00	0.000	0.000
					C	0.000	46.749		100.00	0.000	0.000
L2 148.0000-97.2500	121.0731	1.318	0.043	114.447	A	0.000	114.447	114.447	100.00	0.000	0.000
					B	0.000	114.447		100.00	0.000	0.000
					C	0.000	114.447		100.00	0.000	0.000
L3 97.2500-47.7500	71.7188	1.18	0.038	156.949	A	0.000	156.949	156.949	100.00	0.000	0.000
					B	0.000	156.949		100.00	0.000	0.000
					C	0.000	156.949		100.00	0.000	0.000
L4 47.7500-0.0000	24.0550	0.938	0.030	193.156	A	0.000	193.156	193.156	100.00	0.000	0.000
					B	0.000	193.156		100.00	0.000	0.000
					C	0.000	193.156		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 179.0000-148.0000	162.5762	1.402	0.008	1.7593	55.839	A	0.000	55.839	55.839	100.00	0.000	0.000
						B	0.000	55.839		100.00	0.000	0.000
						C	0.000	55.839		100.00	0.000	0.000
L2 148.0000-97.2500	121.0731	1.318	0.008	1.7082	129.328	A	0.000	129.328	129.328	100.00	0.000	0.000
						B	0.000	129.328		100.00	0.000	0.000
						C	0.000	129.328		100.00	0.000	0.000
L3 97.2500-47.7500	71.7188	1.18	0.007	1.6211	171.042	A	0.000	171.042	171.042	100.00	0.000	0.000
						B	0.000	171.042		100.00	0.000	0.000
						C	0.000	171.042		100.00	0.000	0.000
L4 47.7500-0.0000	24.0550	0.938	0.006	1.4533	206.057	A	0.000	206.057	206.057	100.00	0.000	0.000
						B	0.000	206.057		100.00	0.000	0.000
						C	0.000	206.057		100.00	0.000	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 179.0000-148.0000	162.5762	1.402	0.011	46.749	A	0.000	46.749	46.749	100.00	0.000	0.000
					B	0.000	46.749		100.00	0.000	0.000
					C	0.000	46.749		100.00	0.000	0.000
L2 148.0000-97.2500	121.0731	1.318	0.010	114.447	A	0.000	114.447	114.447	100.00	0.000	0.000
					B	0.000	114.447		100.00	0.000	0.000
					C	0.000	114.447		100.00	0.000	0.000
L3 97.2500-47.7500	71.7188	1.18	0.009	156.949	A	0.000	156.949	156.949	100.00	0.000	0.000
					B	0.000	156.949		100.00	0.000	0.000
					C	0.000	156.949		100.00	0.000	0.000
L4 47.7500-0.0000	24.0550	0.938	0.007	193.156	A	0.000	193.156	193.156	100.00	0.000	0.000
					B	0.000	193.156		100.00	0.000	0.000
					C	0.000	193.156		100.00	0.000	0.000

Load Combinations

Comb. No.	Description
1	Dead Only

Comb. No.	Description
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	179 - 148	Pole	Max Tension	14	0.00	-0.00	0.00
			Max. Compression	26	-17.24	0.73	-0.02
			Max. Mx	8	-5.32	-143.91	4.04
			Max. My	2	-5.38	-5.84	140.50
			Max. Vy	8	10.67	-143.91	4.04
			Max. Vx	2	-10.48	-5.84	140.50
			Max. Torque	22			0.38
L2	148 - 97.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.31	0.74	-0.02
			Max. Mx	8	-14.85	-1004.20	11.37
			Max. My	2	-14.89	-17.66	991.09
			Max. Vy	8	19.69	-1004.20	11.37
			Max. Vx	2	-19.49	-17.66	991.09

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	22			0.38
L3	97.25 - 47.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.28	0.68	-0.02
			Max. Mx	8	-24.69	-2049.19	18.30
			Max. My	2	-24.71	-28.85	2026.72
			Max. Vy	8	23.86	-2049.19	18.30
			Max. Vx	2	-23.67	-28.85	2026.72
			Max. Torque	22			0.37
L4	47.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.19	0.63	-0.02
			Max. Mx	8	-38.67	-3431.75	25.57
			Max. My	2	-38.67	-40.60	3399.37
			Max. Vy	8	27.81	-3431.75	25.57
			Max. Vx	2	-27.64	-40.60	3399.37
			Max. Torque	22			0.37

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	68.19	-0.00	0.00
	Max. H_x	20	38.71	27.69	-0.01
	Max. H_z	3	29.03	-0.21	27.59
	Max. M_x	2	3399.37	-0.21	27.59
	Max. M_z	8	3431.75	-27.77	0.13
	Max. Torsion	22	0.37	23.97	13.74
	Min. Vert	9	29.03	-27.77	0.13
	Min. H_x	8	38.71	-27.77	0.13
	Min. H_z	14	38.71	0.03	-27.53
	Min. M_x	14	-3386.13	0.03	-27.53
	Min. M_z	20	-3417.92	27.69	-0.01
	Min. Torsion	13	-0.32	-13.81	-23.80

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	32.26	0.00	0.00	-0.25	0.16	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	38.71	0.21	-27.59	-3399.37	-40.60	-0.14
0.9 Dead+1.0 Wind 0 deg - No Ice	29.03	0.21	-27.59	-3336.68	-39.73	-0.15
1.2 Dead+1.0 Wind 30 deg - No Ice	38.71	14.00	-23.88	-2940.26	-1738.21	0.01
0.9 Dead+1.0 Wind 30 deg - No Ice	29.03	14.00	-23.88	-2885.74	-1705.91	0.00
1.2 Dead+1.0 Wind 60 deg - No Ice	38.71	24.09	-13.84	-1708.36	-2978.82	0.09
0.9 Dead+1.0 Wind 60 deg - No Ice	29.03	24.09	-13.84	-1676.60	-2923.59	0.08
1.2 Dead+1.0 Wind 90 deg - No Ice	38.71	27.77	-0.13	-25.57	-3431.75	0.14
0.9 Dead+1.0 Wind 90 deg - No Ice	29.03	27.77	-0.13	-24.89	-3368.14	0.14
1.2 Dead+1.0 Wind 120 deg - No Ice	38.71	24.12	13.62	1664.18	-2985.19	0.23
0.9 Dead+1.0 Wind 120 deg - No Ice	29.03	24.12	13.62	1633.62	-2929.79	0.23
1.2 Dead+1.0 Wind 150 deg - No Ice	38.71	13.81	23.80	2925.82	-1700.74	0.32
0.9 Dead+1.0 Wind 150 deg	29.03	13.81	23.80	2871.78	-1669.29	0.32

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
- No Ice						
1.2 Dead+1.0 Wind 180 deg - No Ice	38.71	-0.03	27.53	3386.13	5.64	0.28
0.9 Dead+1.0 Wind 180 deg - No Ice	29.03	-0.03	27.53	3323.54	5.45	0.29
1.2 Dead+1.0 Wind 210 deg - No Ice	38.71	-13.86	23.87	2938.96	1711.17	0.15
0.9 Dead+1.0 Wind 210 deg - No Ice	29.03	-13.86	23.87	2884.64	1679.38	0.16
1.2 Dead+1.0 Wind 240 deg - No Ice	38.71	-24.02	13.80	1700.06	2966.10	-0.09
0.9 Dead+1.0 Wind 240 deg - No Ice	29.03	-24.02	13.80	1668.66	2911.03	-0.08
1.2 Dead+1.0 Wind 270 deg - No Ice	38.71	-27.69	0.01	1.37	3417.92	-0.30
0.9 Dead+1.0 Wind 270 deg - No Ice	29.03	-27.69	0.01	1.43	3354.50	-0.30
1.2 Dead+1.0 Wind 300 deg - No Ice	38.71	-23.97	-13.74	-1689.27	2957.03	-0.37
0.9 Dead+1.0 Wind 300 deg - No Ice	29.03	-23.97	-13.74	-1657.94	2902.17	-0.37
1.2 Dead+1.0 Wind 330 deg - No Ice	38.71	-13.81	-23.80	-2926.14	1701.79	-0.32
0.9 Dead+1.0 Wind 330 deg - No Ice	29.03	-13.81	-23.80	-2871.92	1670.21	-0.32
1.2 Dead+1.0 Ice+1.0 Temp	68.19	0.00	-0.00	0.02	0.63	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	68.19	0.05	-8.65	-1158.69	-10.49	-0.04
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	68.19	4.37	-7.48	-1002.34	-587.71	-0.02
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	68.19	7.52	-4.34	-581.79	-1009.67	-0.00
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	68.19	8.68	-0.03	-7.16	-1163.98	0.01
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	68.19	7.53	4.28	569.43	-1011.18	0.04
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	68.19	4.32	7.47	998.30	-576.93	0.07
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	68.19	-0.01	8.63	1155.24	2.72	0.08
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	68.19	-4.33	7.48	1002.19	582.11	0.05
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	68.19	-7.51	4.33	579.72	1008.01	0.00
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	68.19	-8.66	0.00	0.72	1162.01	-0.05
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	68.19	-7.49	-4.31	-576.09	1005.26	-0.07
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	68.19	-4.32	-7.47	-998.14	579.13	-0.07
Dead+Wind 0 deg - Service	32.26	0.05	-6.61	-808.32	-9.50	-0.04
Dead+Wind 30 deg - Service	32.26	3.35	-5.72	-699.02	-412.96	-0.01
Dead+Wind 60 deg - Service	32.26	5.77	-3.32	-406.25	-707.87	0.02
Dead+Wind 90 deg - Service	32.26	6.65	-0.03	-6.27	-815.75	0.04
Dead+Wind 120 deg - Service	32.26	5.78	3.26	395.34	-709.33	0.06
Dead+Wind 150 deg - Service	32.26	3.31	5.70	695.10	-404.03	0.08
Dead+Wind 180 deg - Service	32.26	-0.01	6.59	804.72	1.47	0.08
Dead+Wind 210 deg - Service	32.26	-3.32	5.72	698.26	406.80	0.04
Dead+Wind 240 deg - Service	32.26	-5.75	3.31	403.85	705.08	-0.02
Dead+Wind 270 deg - Service	32.26	-6.64	0.00	0.12	812.70	-0.07
Dead+Wind 300 deg - Service	32.26	-5.74	-3.29	-401.68	702.89	-0.09
Dead+Wind 330 deg -	32.26	-3.31	-5.70	-695.59	404.55	-0.08

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
Service						

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	0.00	-32.26	0.00	-0.00	32.26	-0.00	0.000%
2	0.21	-38.71	-27.60	-0.21	38.71	27.59	0.013%
3	0.21	-29.03	-27.60	-0.21	29.03	27.59	0.010%
4	14.00	-38.71	-23.88	-14.00	38.71	23.88	0.000%
5	14.00	-29.03	-23.88	-14.00	29.03	23.88	0.001%
6	24.09	-38.71	-13.84	-24.09	38.71	13.84	0.000%
7	24.09	-29.03	-13.84	-24.09	29.03	13.84	0.001%
8	27.78	-38.71	-0.13	-27.77	38.71	0.13	0.013%
9	27.78	-29.03	-0.13	-27.77	29.03	0.13	0.016%
10	24.12	-38.71	13.62	-24.12	38.71	-13.62	0.000%
11	24.12	-29.03	13.62	-24.12	29.03	-13.62	0.001%
12	13.81	-38.71	23.80	-13.81	38.71	-23.80	0.000%
13	13.81	-29.03	23.80	-13.81	29.03	-23.80	0.001%
14	-0.03	-38.71	27.53	0.03	38.71	-27.53	0.013%
15	-0.03	-29.03	27.53	0.03	29.03	-27.53	0.016%
16	-13.86	-38.71	23.87	13.86	38.71	-23.87	0.000%
17	-13.86	-29.03	23.87	13.86	29.03	-23.87	0.001%
18	-24.02	-38.71	13.80	24.02	38.71	-13.80	0.000%
19	-24.02	-29.03	13.80	24.02	29.03	-13.80	0.001%
20	-27.70	-38.71	0.01	27.69	38.71	-0.01	0.013%
21	-27.70	-29.03	0.01	27.69	29.03	-0.01	0.016%
22	-23.97	-38.71	-13.74	23.97	38.71	13.74	0.000%
23	-23.97	-29.03	-13.74	23.97	29.03	13.74	0.001%
24	-13.81	-38.71	-23.80	13.81	38.71	23.80	0.000%
25	-13.81	-29.03	-23.80	13.81	29.03	23.80	0.001%
26	0.00	-68.19	0.00	-0.00	68.19	0.00	0.002%
27	0.05	-68.19	-8.65	-0.05	68.19	8.65	0.003%
28	4.37	-68.19	-7.49	-4.37	68.19	7.48	0.003%
29	7.52	-68.19	-4.34	-7.52	68.19	4.34	0.003%
30	8.68	-68.19	-0.03	-8.68	68.19	0.03	0.003%
31	7.53	-68.19	4.28	-7.53	68.19	-4.28	0.003%
32	4.32	-68.19	7.47	-4.32	68.19	-7.47	0.003%
33	-0.01	-68.19	8.63	0.01	68.19	-8.63	0.003%
34	-4.33	-68.19	7.49	4.33	68.19	-7.48	0.003%
35	-7.51	-68.19	4.33	7.51	68.19	-4.33	0.003%
36	-8.66	-68.19	0.00	8.66	68.19	-0.00	0.003%
37	-7.50	-68.19	-4.31	7.49	68.19	4.31	0.003%
38	-4.32	-68.19	-7.47	4.32	68.19	7.47	0.003%
39	0.05	-32.26	-6.61	-0.05	32.26	6.61	0.004%
40	3.35	-32.26	-5.72	-3.35	32.26	5.72	0.004%
41	5.77	-32.26	-3.32	-5.77	32.26	3.32	0.004%
42	6.65	-32.26	-0.03	-6.65	32.26	0.03	0.004%
43	5.78	-32.26	3.26	-5.78	32.26	-3.26	0.004%
44	3.31	-32.26	5.70	-3.31	32.26	-5.70	0.004%
45	-0.01	-32.26	6.60	0.01	32.26	-6.59	0.004%
46	-3.32	-32.26	5.72	3.32	32.26	-5.72	0.004%
47	-5.75	-32.26	3.31	5.75	32.26	-3.31	0.004%
48	-6.64	-32.26	0.00	6.64	32.26	-0.00	0.004%
49	-5.74	-32.26	-3.29	5.74	32.26	3.29	0.004%
50	-3.31	-32.26	-5.70	3.31	32.26	5.70	0.004%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	21	0.00011940	0.00014330
3	Yes	21	0.00007616	0.00010529
4	Yes	28	0.00000001	0.00012550

5	Yes	27	0.00000001	0.00013007
6	Yes	28	0.00000001	0.00012551
7	Yes	27	0.00000001	0.00013004
8	Yes	21	0.00011893	0.00012292
9	Yes	20	0.00012056	0.00014358
10	Yes	28	0.00000001	0.00012249
11	Yes	27	0.00000001	0.00012706
12	Yes	28	0.00000001	0.00012034
13	Yes	27	0.00000001	0.00012488
14	Yes	21	0.00011967	0.00011338
15	Yes	20	0.00012131	0.00013445
16	Yes	28	0.00000001	0.00012315
17	Yes	27	0.00000001	0.00012777
18	Yes	28	0.00000001	0.00012406
19	Yes	27	0.00000001	0.00012860
20	Yes	21	0.00011915	0.00011093
21	Yes	20	0.00012079	0.00013165
22	Yes	28	0.00000001	0.00012165
23	Yes	27	0.00000001	0.00012610
24	Yes	28	0.00000001	0.00012168
25	Yes	27	0.00000001	0.00012628
26	Yes	6	0.00000001	0.00000484
27	Yes	25	0.00014894	0.00001408
28	Yes	25	0.00014799	0.00009980
29	Yes	25	0.00014799	0.00009998
30	Yes	25	0.00014892	0.00001412
31	Yes	25	0.00014805	0.00009727
32	Yes	25	0.00014806	0.00009556
33	Yes	25	0.00014895	0.00001406
34	Yes	25	0.00014801	0.00009936
35	Yes	25	0.00014800	0.00009963
36	Yes	25	0.00014893	0.00001406
37	Yes	25	0.00014803	0.00009745
38	Yes	25	0.00014804	0.00009771
39	Yes	21	0.00010364	0.00003397
40	Yes	21	0.00010326	0.00004905
41	Yes	21	0.00010327	0.00004949
42	Yes	21	0.00010364	0.00003433
43	Yes	21	0.00010329	0.00004903
44	Yes	21	0.00010328	0.00004568
45	Yes	21	0.00010364	0.00003384
46	Yes	21	0.00010327	0.00004846
47	Yes	21	0.00010328	0.00004898
48	Yes	21	0.00010364	0.00003424
49	Yes	21	0.00010328	0.00004690
50	Yes	21	0.00010328	0.00004830

Maximum Tower Deflections - Service Wind

Section No.	*Elevation ft*	*Horz. Deflection in*	*Gov. Load Comb.*	*Tilt °*	*Twist °*
L1	179 - 148	51.58	41	2.6383	0.0025
L2	150.75 - 97.25	36.24	41	2.4765	0.0014
L3	101.25 - 47.75	15.16	41	1.5005	0.0004
L4	53.25 - 0	4.02	41	0.7125	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	*Appurtenance*	*Gov. Load Comb.*	*Deflection in*	*Tilt °*	*Twist °*	*Radius of Curvature ft*
178.0000	2 ft standard	41	51.02	2.6355	0.0025	21504
168.0000	QS66512-2_TIA w/ Mount Pipe	41	45.47	2.6025	0.0021	9774
158.0000	APX16DWV-16DWV-S-E-A20_TIA w/ Mount Pipe	41	40.04	2.5454	0.0017	5119
147.0000	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	41	34.34	2.4289	0.0013	3708

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	179 - 148	216.33	8	11.1072	0.0195
L2	150.75 - 97.25	152.19	8	10.4280	0.0103
L3	101.25 - 47.75	63.79	8	6.3224	0.0018
L4	53.25 - 0	16.92	6	3.0010	0.0005

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
178.0000	2 ft standard	8	214.00	11.0954	0.0191	5502
168.0000	QS66512-2_TIA w/ Mount Pipe	8	190.78	10.9573	0.0157	2498
158.0000	APX16DWV-16DWV-S-E-A20_TIA w/ Mount Pipe	8	168.07	10.7176	0.0124	1304
147.0000	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	8	144.23	10.2280	0.0093	938

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	179 - 148 (1)	TP21.3x14.4x0.1875	31.0000	0.0000	0.0	12.2003	-5.32	713.72	0.007
L2	148 - 97.25 (2)	TP32.44x20.3129x0.25	53.5000	0.0000	0.0	24.8233	-14.84	1452.16	0.010
L3	97.25 - 47.75 (3)	TP43.1x31.0333x0.3125	53.5000	0.0000	0.0	41.2094	-24.69	2410.75	0.010
L4	47.75 - 0 (4)	TP53.23x41.2345x0.3125	53.2500	0.0000	0.0	52.4875	-38.67	3070.52	0.013

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	179 - 148 (1)	TP21.3x14.4x0.1875	144.52	367.96	0.393	0.00	367.96	0.000
L2	148 - 97.25 (2)	TP32.44x20.3129x0.25	1005.31	1096.78	0.917	0.00	1096.78	0.000
L3	97.25 - 47.75 (3)	TP43.1x31.0333x0.3125	2050.81	2367.98	0.866	0.00	2367.98	0.000
L4	47.75 - 0 (4)	TP53.23x41.2345x0.3125	3433.93	3459.72	0.993	0.00	3459.72	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	179 - 148 (1)	TP21.3x14.4x0.1875	10.69	214.12	0.050	0.09	384.41	0.000
L2	148 - 97.25 (2)	TP32.44x20.3129x0.25	19.70	435.65	0.045	0.09	1193.52	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 $\frac{T_u}{\phi T_n}$
L3	97.25 - 47.75 (3)	TP43.1x31.0333x0.3125	23.87	723.23	0.033	0.09	2631.44	0.000
L4	47.75 - 0 (4)	TP53.23x41.2345x0.3125	27.82	921.16	0.030	0.09	4268.87	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	179 - 148 (1)	0.007	0.393	0.000	0.050	0.000	0.403	1.050	4.8.2
L2	148 - 97.25 (2)	0.010	0.917	0.000	0.045	0.000	0.929	1.050	4.8.2
L3	97.25 - 47.75 (3)	0.010	0.866	0.000	0.033	0.000	0.877	1.050	4.8.2
L4	47.75 - 0 (4)	0.013	0.993	0.000	0.030	0.000	1.006	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	179 - 148	Pole	TP21.3x14.4x0.1875	1	-5.32	749.40	38.4	Pass
L2	148 - 97.25	Pole	TP32.44x20.3129x0.25	2	-14.84	1524.77	88.5	Pass
L3	97.25 - 47.75	Pole	TP43.1x31.0333x0.3125	3	-24.69	2531.29	83.6	Pass
L4	47.75 - 0	Pole	TP53.23x41.2345x0.3125	4	-38.67	3224.05	95.8	Pass
							Summary	
						Pole (L4)	95.8	Pass
						RATING =	**95.8**	**Pass**

APPENDIX B

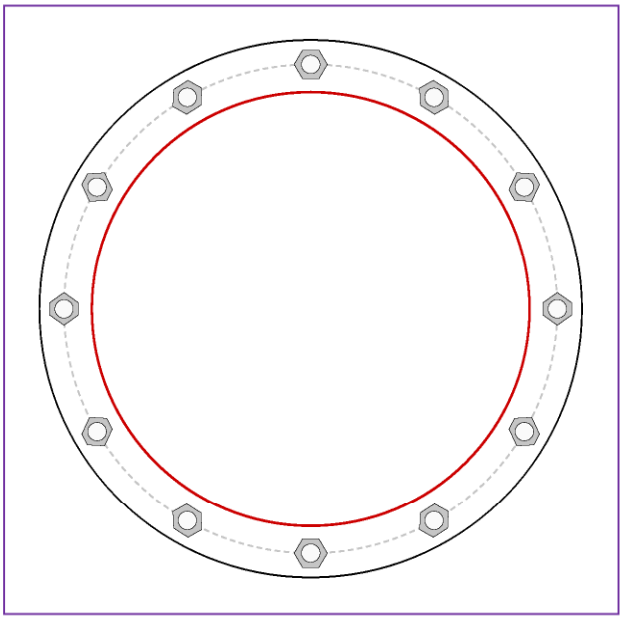
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2.25

Applied Loads	
Moment (kip-ft)	3433.93
Axial Force (kips)	38.67
Shear Force (kips)	27.82

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 60" BC

Base Plate Data

66" OD x 2" Plate (A633 Gr. E; Fy=60 ksi, Fu=70 ksi)

Stiffener Data

N/A

Pole Data

53.23" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 225.57	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.32	ϕVn = 149.1	**88.1%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	38.27	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**67.5%**	**Pass**

Pier and Pad Foundation

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	38.71	kips
Base Shear, Vu_comp:	27.78	kips
Moment, M_u:	3433.93	ft-kips
Tower Height, **H**:	179	ft
BP Dist. Above Fdn, bp_{dist}:	2.25	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	36	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	5	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5.5	ft
Pad Width, W_1:	23	ft
Pad Thickness, **T**:	2	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	36	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	100	pcf
Ultimate Gross Bearing, Qult:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	5	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	137.59	27.78	**19.2%**	**Pass**
Bearing Pressure (ksf)	6.00	4.90	**81.7%**	**Pass**
*Overturning (kip*ft)*	3705.73	3619.71	**97.7%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	4703.94	3558.94	**72.1%**	**Pass**
Pier Compression (kip)	24494.62	69.88	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	2379.25	2037.67	**81.6%**	**Pass**
Pad Shear - 1-way (kips)	510.58	275.25	**51.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	2683.25	2135.36	**75.8%**	**Pass**

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

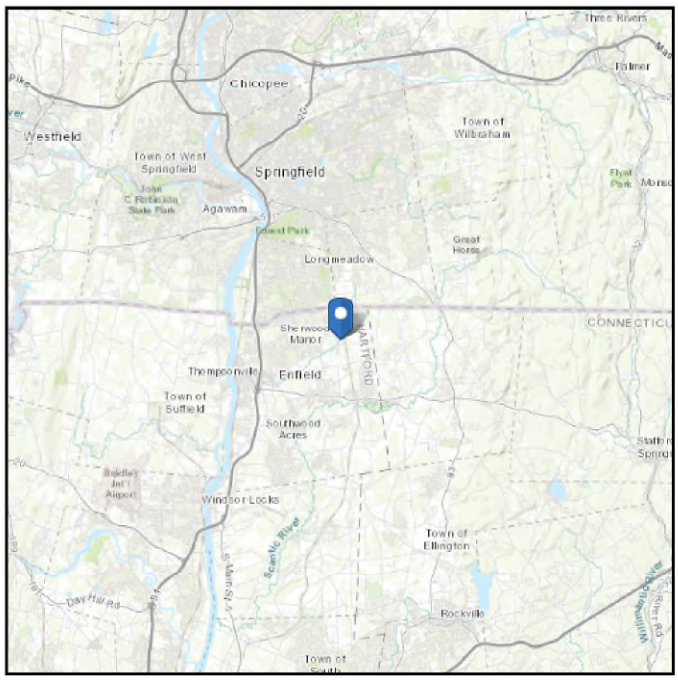
Structural Rating*:	**81.6%**
Soil Rating*:	**97.7%**

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 170.07 ft (NAVD 88)
Latitude: 42.015936
Longitude: -72.528739



Wind

Results:

Wind Speed:	116 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Nov 19 2021

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.

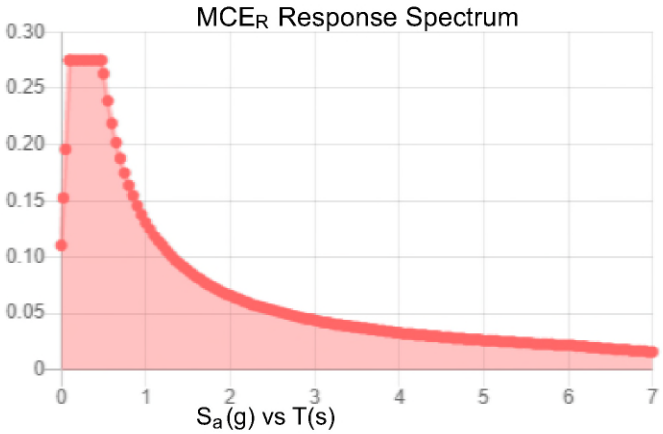
Seismic

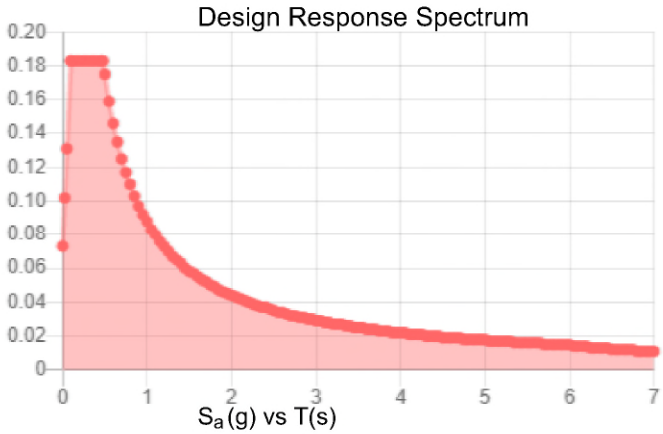
Site Soil Class: D - Default (see Section 11.4.3)

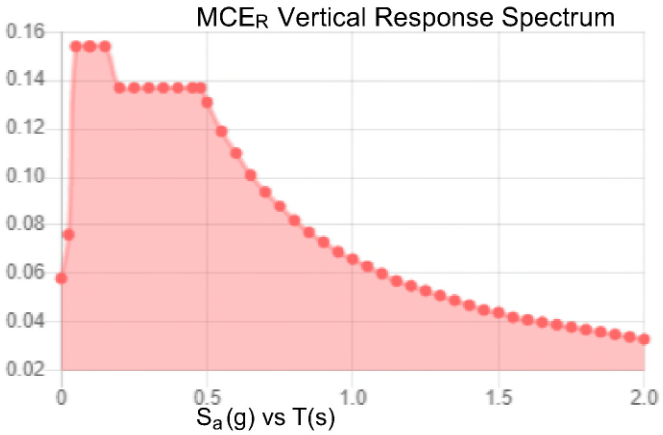
Results:

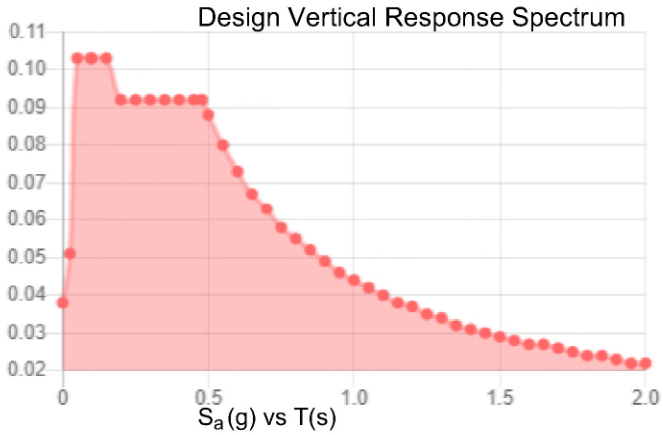
S_S :	0.172	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.09
F_v :	2.4	PGA_M :	0.144
S_{MS} :	0.275	F_{PGA} :	1.6
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.183	C_v :	0.7

Seismic Design Category B









Data Accessed: Fri Nov 19 2021

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:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Nov 19 2021

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.

Network Building + Consulting, LLC
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Blue Bell, PA 19422
(267) 460-0122
NBC_SmartTool@nbcllc.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10092924

NB+C Project #: 100820

August 13, 2021

Site Information	*Site ID:*	*468121-VZW / Somers West*
	Site Name:	*Somers West*
	Carrier Name:	*Verizon Wireless*
	Address:	*37 Bacon Rd (188 Moody In Emis)* *Enfield, Connecticut 6082, Hartford County*
	Latitude:	*42.015936°*
	Longitude:	*-72.528739°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*13.50-Ft Platform*

FUZE ID # 16232040

Analysis Results

Platform: **87.9% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Emily Adams, PE

STATE OF CONNECTICUT · KRUPAKARAN KOLANDAIVELU · PEN.0028997 · LICENSED PROFESSIONAL ENGINEER

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8/13/2021

8/13/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet	*Verizon RFDS Site ID: 675040, Dated September 8, 2020*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468121, dated July 15, 2021*
Mount Analysis Report	*NB+C, Project #: 100819, dated August 2, 2021*
Mount Modification Drawings	*NB+C, Project #: 100819, dated August 13, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	116 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.994
Seismic Parameters:	S_S:	0.172
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
144.0	147.0	3	Samsung	MT6407-77A	Added
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		4	Amphenol Antel	LPA-80080-4CF-EDIN-5	Retained
		2	Amphenol Antel	LPA-80080-4CF	
		6	Andrew	SBNHH-1D65B	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RHSDC-3315-PF-48	

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

Model Number	Ports	AKA
RHSDC-1064-PF-48	2	OVP-2
RC3DC-3315-PF-48	6	OVP-6
RC3DC-3300-PF-48	6	OVP-6
RC3DC-4750-PF-48	6	OVP-6
RHSDC-6627-PF-48	12	OVP-12
RHSDC-6600-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Network Building + Consulting and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation and field observations. Any deviation from the loading locations specified in this report shall be communicated to Network Building + Consulting 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 by Network Building + Consulting, 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. Network Building + Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Network Building + Consulting.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	38.6%	Pass
Mount Pipe	87.9%	Pass
Standoff	18.5%	Pass
Corner Plates	30.1%	Pass
Kicker	19.9%	Pass
Connection	28.8%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**87.9%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	OTHER	**Mapping Date:**	7/15/2021
Site Name:	SOMERS WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468121	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	142.9

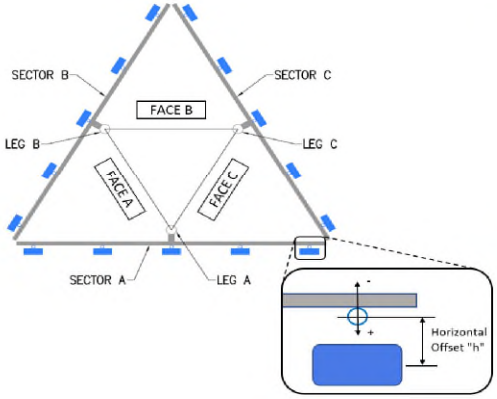
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

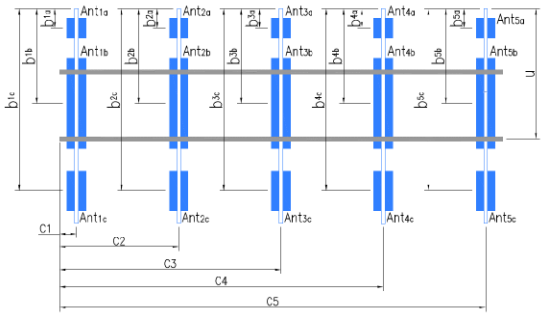
Mount Pipe Configuration and Geometries [Unit = Inches]

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 72" LONG	57.00	15.00	C1	2" STD. PIPE X 72" LONG	57.00	15.00
A2	2" STD. PIPE X 96" LONG	70.00	64.00	C2	2" STD. PIPE X 96" LONG	70.00	64.00
A3	2" STD. PIPE X 72" LONG	46.50	88.00	C3	2" STD. PIPE X 72" LONG	46.50	88.00
A4	2" STD. PIPE X 96" LONG	70.00	109.00	C4	2" STD. PIPE X 96" LONG	70.00	109.00
A5	2" STD. PIPE X 72" LONG	57.00	159.00	C5	2" STD. PIPE X 72" LONG	57.00	159.00
A6				C6			
B1	2" STD. PIPE X 72" LONG	57.00	15.00	D1			
B2	2" STD. PIPE X 96" LONG	70.00	64.00	D2			
B3	2" STD. PIPE X 72" LONG	46.50	88.00	D3			
B4	2" STD. PIPE X 96" LONG	70.00	109.00	D4			
B5	2" STD. PIPE X 72" LONG	57.00	159.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	9
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.):	23
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.63





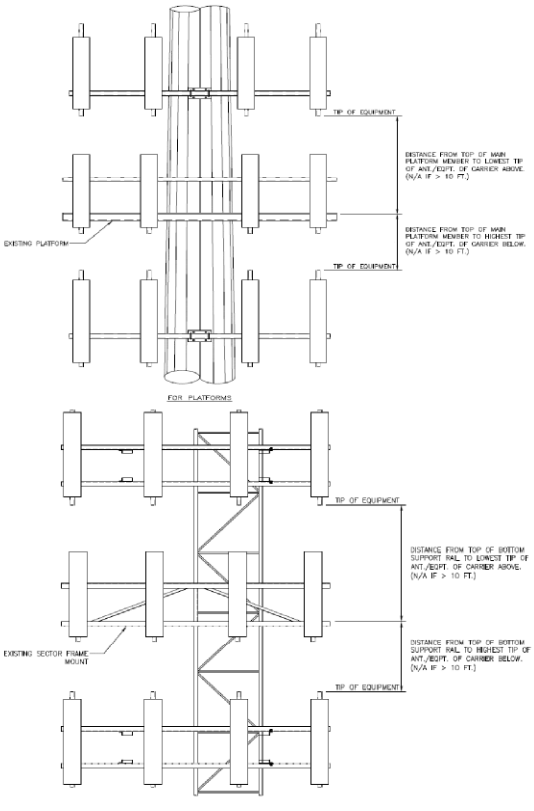
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	45.00	45,57
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	25.50		145.733	36.00	-7.00		46,59
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	45.00	46,58
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		145.858	11.00	-7.00		46,60
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B25 RRH 4X30	12.00	7.50	20.50		145.733	36.00	-7.00		47,62
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	45.00	47,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	45.00	48,63
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

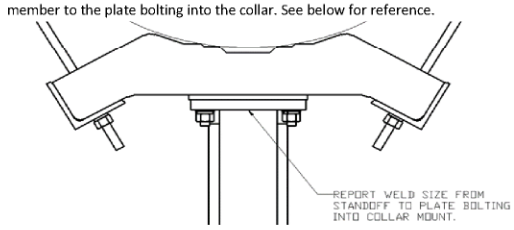
Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	45.00	Deg	Leg A:		Deg
Sector B:	165.00	Deg	Leg B:		Deg
Sector C:	285.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	22.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	165.00	49,57
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	25.50		145.733	36.00	-7.00		50,59
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	165.00	50,58
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		145.858	11.00	-7.00		51,60
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B25 RRH 4X30	12.00	7.50	20.50		145.733	36.00	-7.00		51,62
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	165.00	51,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	165.00	52,63
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	285.00	53,57
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	25.50		145.733	36.00	-7.00		54,59
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	285.00	54,58
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		145.858	11.00	-7.00		55,60
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B25 RRH 4X30	12.00	7.50	20.50		145.733	36.00	-7.00		55,61
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		145.733	36.00	8.50	285.00	55,62
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80080-4CF	6.00	13.00	47.50		145.567	25.00	14.00	285.00	56,63
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	TOWER INFO: MODEL/JOB: 04-10198, TOWER HEIGHT: 180 FT. MONO, LOCATION: ENFIELD, CT	16
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

MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	OTHER	**Mapping Date:**	7/15/2021
Site Name:	SOMERS WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468121	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	142.9

Please Insert Sketches of the Antenna Mount

7/21/2021

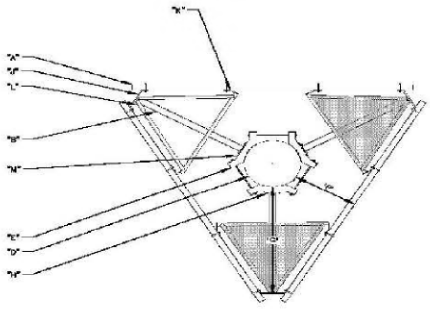
HDG HUDSON Design Group LLC
45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
TEL: (978) 557-5553 FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

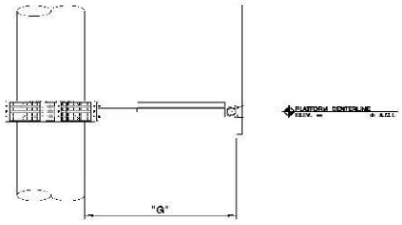
CARRIER:	COLLIER	SITE #:		SITE NAME:	Somers West CT
DATE:	7/15/2021	MAPPED BY:	JC	SITE OWNER:	

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	ROUND MAST
SIZE		3-1/2"
LENGTH		
B: STAND OFF SIZE	☐	4x4
C: ANTENNA PIPE MAST	☐	1/8"
DIA.		2-3/8"
LENGTH		6'-8'
D: MONOPOLE DIA.	☐	23"
E: RINGMOUNT	☐	10"x 3/8"
F: TOWER TO FACE	☐	46"
G: TOWER TO APEX	☐	85.5"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 3"x 12.5"x 1/2"
K: B PLATE	☐	6"x 5"x 3.5"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 5/8"
N: ALPHA POS 1	☐	LPA-80080-4CF
ALPHA POS 2	☐	SBNHH-1D65B
ALPHA POS 3	☐	B13 RRH 4x30
ALPHA POS 4	☐	SBNHH-1D65B
ALPHA POS 5		LPA-80080-4CF
O: BETA POS 1	☐	Same
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
BETA POS 5		
P: GAMMA POS 1	☐	Same
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
GAMMA POS 5		
Q: TMA	☐	0
R: RADIOS	☐	9
S: SURGE	☐	2 OVPs
T: SECOND MOUNT	☐	N/A

Legend



PLAN



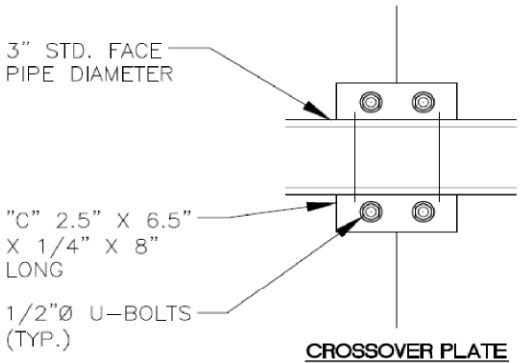
ELEVATION

FACE SKETCH

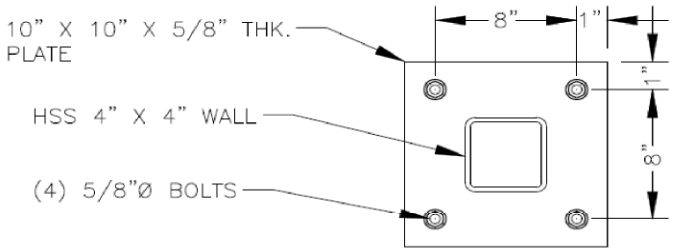
COMMENTS:

(3) B66a RRH 4x30 (Behind #2) (3) B25 RRH 4x30 (Behind #4)

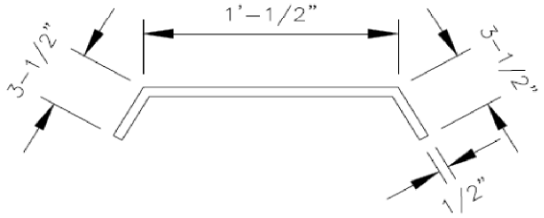
Please Insert Sketches of the Antenna Mount, cont'd



CROSSOVER PLATE DETAIL

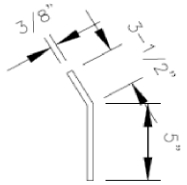


STANDOFF TO RING MOUNT CONNECTION



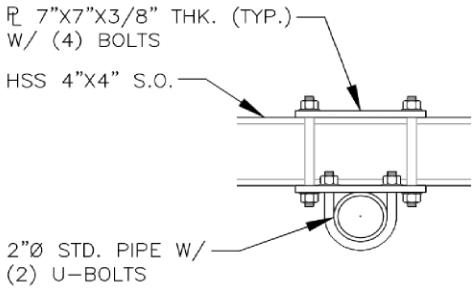
DETAIL J

APEX "A" PLATE DETAIL



DETAIL K

"B" PLATE DETAIL



S.O. MOUNT DETAIL

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	OTHER	**Mapping Date:**	7/15/2021
Site Name:	SOMERS WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468121	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	142.9

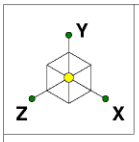
Please enter information about transmission lines.

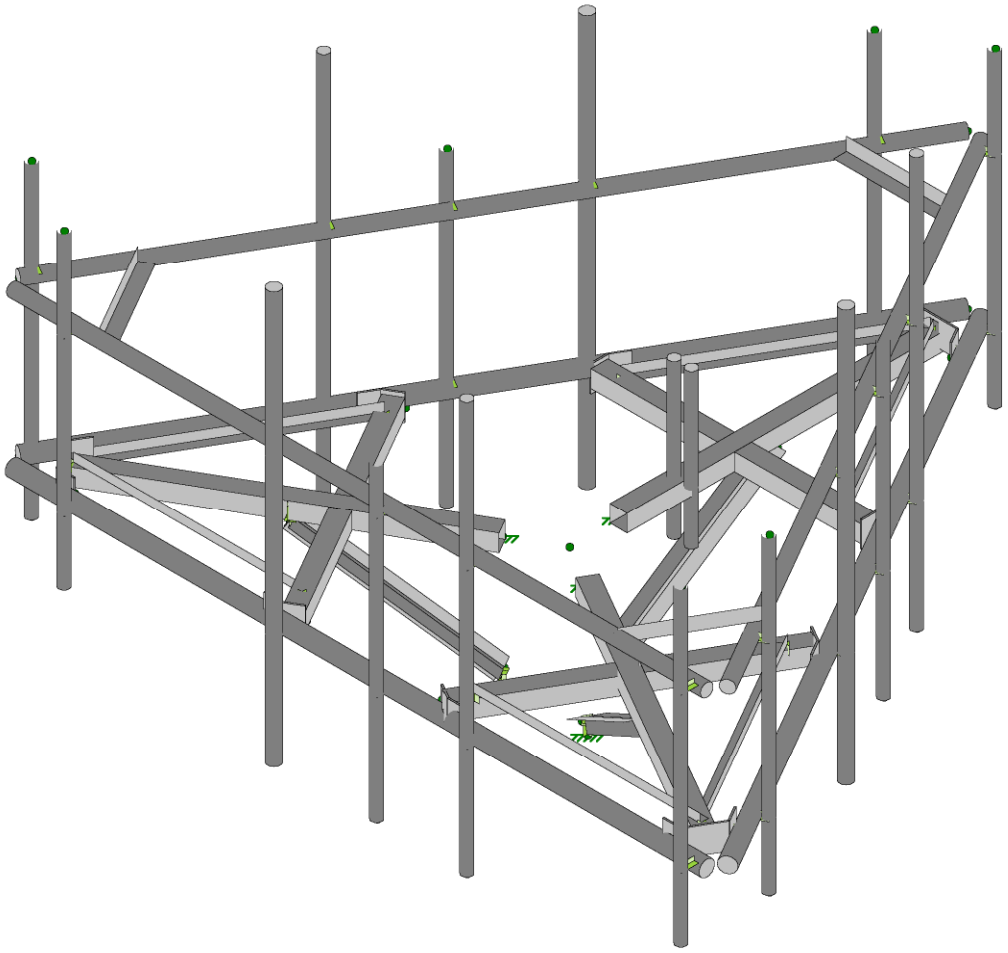
Transmission Line Type (Pick from List)	Quantity	Diameter/Size (in.) Please add a description if using type "Other".	Located on Tower Face	Photo #	Additional Comments
All Sectors					
Coax	12	1-5/8"Ø	INSIDE	7-9,11	
Hybrid	2	1-1/4"Ø	INSIDE	7-9,11	

Please enter information about additional RF equipment.

Equipment Type (Pick from List)	Quantity	Model Numbers if Known	Width (in.)	Depth (in.)	Height (in.)	Location	Photo #	Additional Comments
Sector A								
RRU	1	B66a RRH 4X45	12.00	7.00	25.50	2" STD. PIPE X 96" LONG @ POS. 2	46,59	
RRU	1	B13 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 72" LONG @ POS. 3	46,60	
RRU	1	B25 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 96" LONG @ POS. 4	47,62	
OVP	1	RRFDC-3315-PF-48	15.00	10.00	28.00	MOUNTED TO STANDOFF	64,65	
Sector B								
RRU	1	B66a RRH 4X45	12.00	7.00	25.50	2" STD. PIPE X 96" LONG @ POS. 2	50,59	
RRU	1	B13 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 72" LONG @ POS. 3	51,60	
RRU	1	B25 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 96" LONG @ POS. 4	51,62	
Sector C								
RRU	1	B66a RRH 4X45	12.00	7.00	25.50	2" STD. PIPE X 96" LONG @ POS. 2	54,59	
RRU	1	B13 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 72" LONG @ POS. 3	55,60	
RRU	1	B25 RRH 4X30	12.00	7.50	20.50	2" STD. PIPE X 96" LONG @ POS. 4	55,61	
OVP	1	RHSDC-3315-PF-48	15.00	10.00	28.00	MOUNTED TO STANDOFF	80,81	

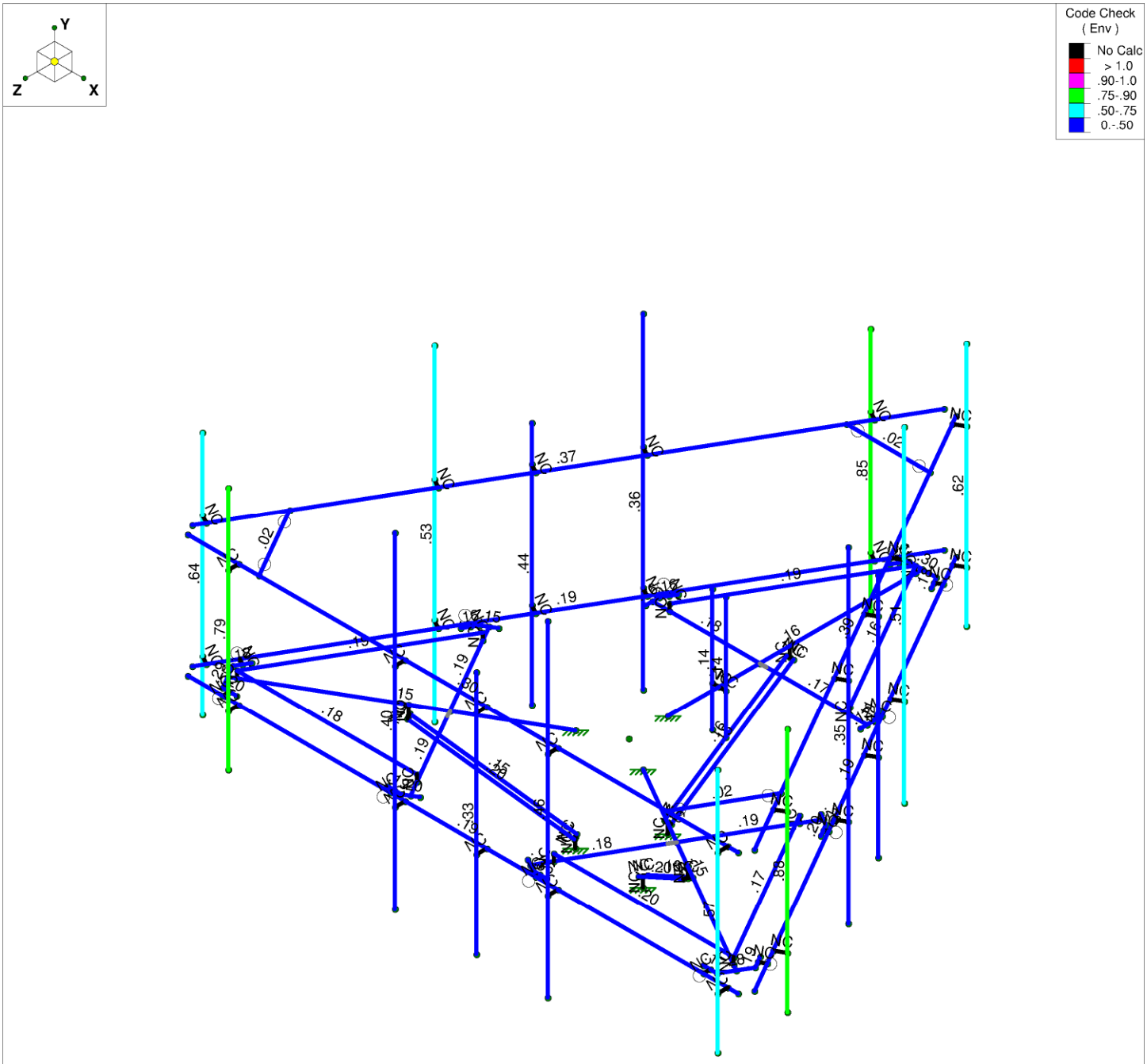
Equipment Type (Pick from List)	Quantity	Model Numbers if Known	Width (in.)	Depth (in.)	Height (in.)	Location	Photo #	Additional Comments
Sector D								
Ground Equipment								





Envelope Only Solution

Network Building + Consul...		SK - 1
	468121-VZW_MT_LO_H	Aug 11, 2021 at 3:50 PM
Project No. 10037876	Rendering	468121-VZW_MT_LO_H_mod.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Network Building + Consul...		SK - 2
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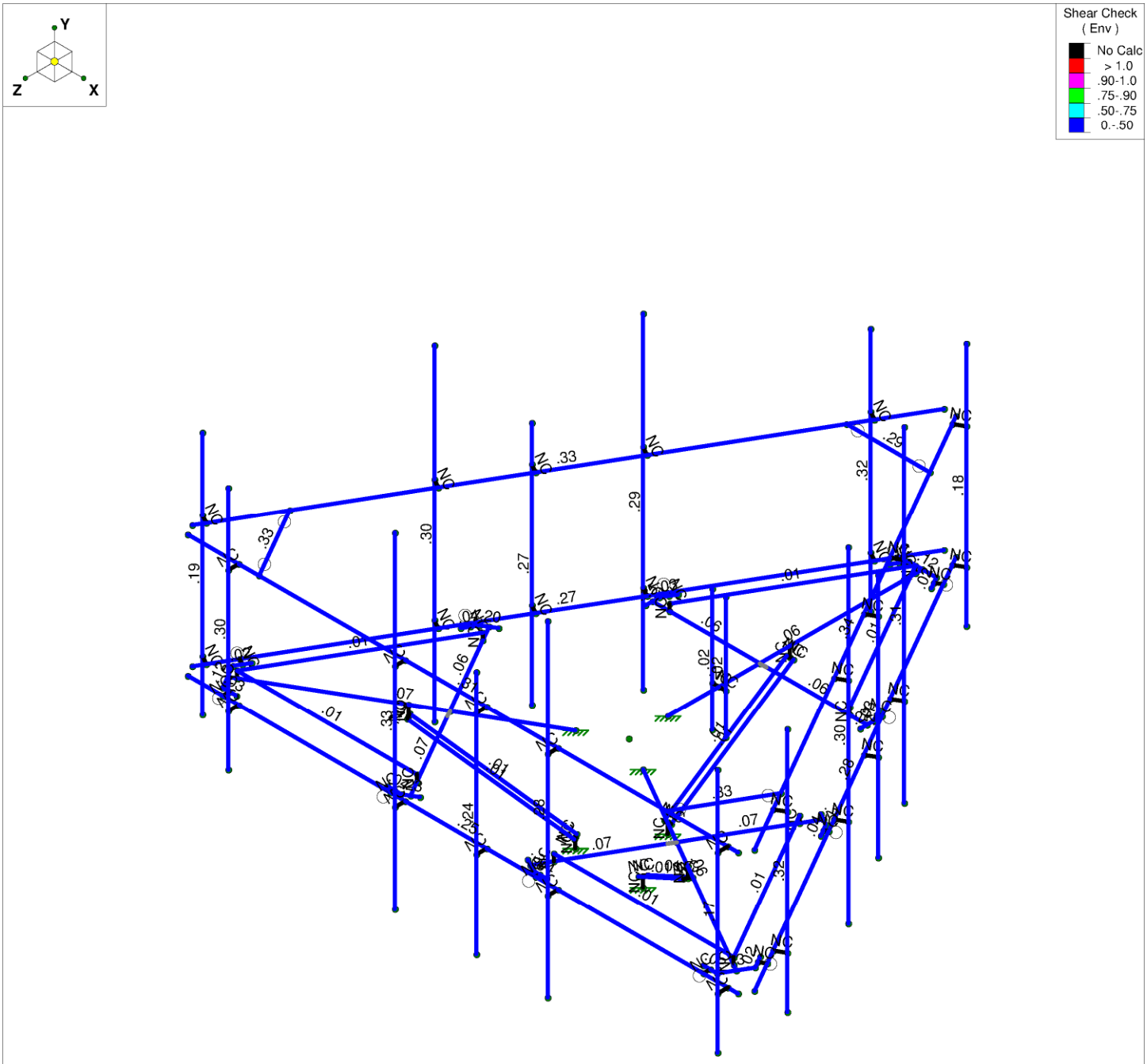
Project No. 10037876	Code Check	468121-VZW_MT_LO_H_mod.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Network Building + Consul...		SK - 3
	468121-VZW_MT_LO_H	Aug 11, 2021 at 3:50 PM
Project No. 10037876	Shear Check	468121-VZW_MT_LO_H_mod.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					114			
2	Antenna Di	None					114			
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 D...	None						118		
46	Structure Wo (150 D...	None						118		
47	Structure Wo (180 D...	None						118		
48	Structure Wo (210 D...	None						118		
49	Structure Wo (240 D...	None						118		
50	Structure Wo (270 D...	None						118		
51	Structure Wo (300 D...	None						118		
52	Structure Wo (330 D...	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						118		
58	Structure Wi (150 De...	None						118		
59	Structure Wi (180 De...	None						118		
60	Structure Wi (210 De...	None						118		
61	Structure Wi (240 De...	None						118		
62	Structure Wi (270 De...	None						118		
63	Structure Wi (300 De...	None						118		
64	Structure Wi (330 De...	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 De...	None						118		
67	Structure Wm (60 De...	None						118		
68	Structure Wm (90 De...	None						118		
69	Structure Wm (120 D...	None						118		
70	Structure Wm (150 D...	None						118		
71	Structure Wm (180 D...	None						118		
72	Structure Wm (210 D...	None						118		
73	Structure Wm (240 D...	None						118		
74	Structure Wm (270 D...	None						118		
75	Structure Wm (300 D...	None						118		
76	Structure Wm (330 D...	None						118		
77	Lm1	None					2			
78	Lm2	None					2			
79	Lv1	None					2			
80	Lv2	None					2			
81	BLC 39 Transient Are...	None						15		
82	BLC 40 Transient Are...	None						15		

Load Combinations

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
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...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	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	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N14	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N21	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N204A						
5	N205A						
6	N206A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N207A						
8	N208A						
9	N209						
10	N210						
11	N211						
12	N213						
13	N214						
14	N215	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
15	N216						
16	N217						
17	N218						
18	N219						
19	N220						
20	N222						
21	N223						
22	N224	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
23	N225						
24	N226						
25	N227						
26	N228						
27	N229						

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.25	65	1.15
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Grating Suppo...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
2	T Support HSS	HSS4X4X4	Column	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Upper Horizon...	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Lower Horizont...	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
6	Monopole Sup...	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
7	Lower Connec...	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Upper Connec...	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
9	Upper Connec...	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
10	New MP	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	SupportrailPipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	SupportRailAn...	L3X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101
13	Kicker	L3X3X3	Beam	Single Angle	A36 Gr.36	Typical	1.09	.948	.948	.014

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N4			Monopole Support...	Beam	Tube	A500 Gr.B...	Typical
2	M5	N10	N9			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
3	M6	N10	N11			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
4	M7	N9	N13			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
5	M9	N17	N18			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
6	M10	N17	N16			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
7	M11	N14	N15			Monopole Support...	Beam	Tube	A500 Gr.B...	Typical
8	M13	N16	N19			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
9	M20	N25	N26			Lower Connection...	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
10	M21	N25	N24			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
11	M22	N21	N23			Monopole Support...	Beam	Tube	A500 Gr.B...	Typical
12	M24	N24	N27			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
13	M34	N34	N33			T Support HSS	Column	Tube	A500 Gr.B...	Typical
14	M36	N37	N36			Lower Horizontal ...	Beam	Pipe	A53 Gr.B	Typical
15	M37	N38	N39			Lower Horizontal ...	Beam	Pipe	A53 Gr.B	Typical
16	M38	N40	N41			Lower Horizontal ...	Beam	Pipe	A53 Gr.B	Typical
17	M40	N50	N183			T Support HSS	Column	Tube	A500 Gr.B...	Typical
18	M41	N52	N185			T Support HSS	Column	Tube	A500 Gr.B...	Typical
19	MP4A	N60	N63			New MP	Column	Pipe	A53 Gr.B	Typical
20	M46	N61	N56			RIGID	None	None	RIGID	Typical
21	M48	N58	N66			RIGID	None	None	RIGID	Typical
22	MP3A	N67	N64			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	MP2A	N71	N70			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
24	M52	N69	N73			RIGID	None	None	RIGID	Typical
25	MP1A	N77	N76			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
26	M55	N75	N79			RIGID	None	None	RIGID	Typical
27	M95	N132	N133			RIGID	None	None	RIGID	Typical
28	M96	N134	N135			RIGID	None	None	RIGID	Typical
29	M97	N137	N138			RIGID	None	None	RIGID	Typical
30	M98	N139	N140			RIGID	None	None	RIGID	Typical
31	M99	N141	N142			RIGID	None	None	RIGID	Typical
32	M100	N143	N144			RIGID	None	None	RIGID	Typical
33	M103	N147	N145			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
34	M104	N147	N146			RIGID	None	None	RIGID	Typical
35	M105	N145	N136			RIGID	None	None	RIGID	Typical
36	M106	N149	N148			RIGID	None	None	RIGID	Typical
37	M107	N145	N149			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
38	M111	N154	N155			RIGID	None	None	RIGID	Typical
39	M116	N160	N161			RIGID	None	None	RIGID	Typical
40	M151	N196	N195			RIGID	None	None	RIGID	Typical
41	M152	N198	N197			RIGID	None	None	RIGID	Typical
42	M154	N154	N196			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
43	M157	N198	N154			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
44	M159	N200	N199			RIGID	None	None	RIGID	Typical
45	M160	N202	N201			RIGID	None	None	RIGID	Typical
46	M162	N160	N200			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
47	M165	N202	N160			Grating Support A...	Beam	Single Angle	A36 Gr.36	Typical
48	M175	N189	N184			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
49	M176	N204	N203			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
50	M177	N157	N158			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
51	M178	N159	N162			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
52	M179	N163	N164			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
53	M180	N165	N166			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
54	M183	N157	N168			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
55	M184	N165	N167			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
56	M185	N169	N170			RIGID	None	None	RIGID	Typical
57	M186	N171	N172			RIGID	None	None	RIGID	Typical
58	M187	N177	N178			RIGID	None	None	RIGID	Typical
59	M188	N163	N173			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
60	M189	N204	N174			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
61	M190	N175	N176			RIGID	None	None	RIGID	Typical
62	M191	N207	N208			RIGID	None	None	RIGID	Typical
63	M192	N189	N179			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
64	M193	N159	N194			Lower Connection...	Beam	RECT	A36 Gr.36	Typical
65	M194	N205	N206			RIGID	None	None	RIGID	Typical
66	M108	N183	N51			T Support HSS	Column	Tube	A500 Gr.B...	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
67	M109	N185	N53			T Support HSS	Column	Tube	A500 Gr.B...	Typical
68	M110	N33	N35			T Support HSS	Column	Tube	A500 Gr.B...	Typical
69	MP5A	N112	N114			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
70	M70	N113	N111			RIGID	None	None	RIGID	Typical
71	MP4C	N116	N118			New MP	Column	Pipe	A53 Gr.B	Typical
72	M72	N117	N115			RIGID	None	None	RIGID	Typical
73	M73	N119	N121			RIGID	None	None	RIGID	Typical
74	MP3C	N122	N120			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
75	MP2C	N125	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
76	M76	N123	N126			RIGID	None	None	RIGID	Typical
77	MP1C	N129	N128			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N127	N130			RIGID	None	None	RIGID	Typical
79	MP5C	N132A	N134A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80	N133A	N131			RIGID	None	None	RIGID	Typical
81	MP4B	N136A	N138A			New MP	Column	Pipe	A53 Gr.B	Typical
82	M82	N137A	N135A			RIGID	None	None	RIGID	Typical
83	M83	N139A	N141A			RIGID	None	None	RIGID	Typical
84	MP3B	N142A	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	MP2B	N145A	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N143A	N146A			RIGID	None	None	RIGID	Typical
87	MP1B	N149A	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M88	N147A	N150			RIGID	None	None	RIGID	Typical
89	MP5B	N152	N154A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N153	N151			RIGID	None	None	RIGID	Typical
91	OVP2	N161A	N159A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	OVP1	N160A	N158A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M93	N157A	N155A			RIGID	None	None	RIGID	Typical
94	M94	N156	N155A			RIGID	None	None	RIGID	Typical
95	M95A	N163A	N162A			SupportrailPipe	Column	Pipe	A53 Gr.B	Typical
96	M96A	N164A	N165A			SupportrailPipe	Column	Pipe	A53 Gr.B	Typical
97	M97A	N166A	N167A			SupportrailPipe	Column	Pipe	A53 Gr.B	Typical
98	M98A	N169A	N168A			RIGID	None	None	RIGID	Typical
99	M99A	N170A	N171A			RIGID	None	None	RIGID	Typical
100	M100A	N172A	N173A			RIGID	None	None	RIGID	Typical
101	M101	N174A	N175A			RIGID	None	None	RIGID	Typical
102	M102	N177A	N176A			RIGID	None	None	RIGID	Typical
103	M103A	N179A	N178A			RIGID	None	None	RIGID	Typical
104	M104A	N180	N181			RIGID	None	None	RIGID	Typical
105	M105A	N182	N183A			RIGID	None	None	RIGID	Typical
106	M106A	N184A	N185A			RIGID	None	None	RIGID	Typical
107	M107A	N187	N186			RIGID	None	None	RIGID	Typical
108	M108A	N189A	N188			RIGID	None	None	RIGID	Typical
109	M109A	N190	N191			RIGID	None	None	RIGID	Typical
110	M110A	N192	N193			RIGID	None	None	RIGID	Typical
111	M111A	N194A	N195A			RIGID	None	None	RIGID	Typical
112	M112	N197A	N196A			RIGID	None	None	RIGID	Typical
113	M113	N198A	N203A			SupportRailAngle	Beam	Single Angle	A36 Gr.36	Typical
114	M114	N202A	N201A			SupportRailAngle	Beam	Single Angle	A36 Gr.36	Typical
115	M115	N200A	N199A			SupportRailAngle	Beam	Single Angle	A36 Gr.36	Typical
116	M116A	N207A	N206A			RIGID	None	None	RIGID	Typical
117	M117	N211	N207A			RIGID	None	None	RIGID	Typical
118	M118	N209	N207A			RIGID	None	None	RIGID	Typical
119	M119	N210	N205A			RIGID	None	None	RIGID	Typical
120	M120	N205A	N208A			RIGID	None	None	RIGID	Typical
121	M121	N205A	N204A			RIGID	None	None	RIGID	Typical
122	M122	N211	N210		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N209	N208A		90	Kicker	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
124	M124	N216	N215			RIGID	None	None	RIGID	Typical
125	M125	N220	N216			RIGID	None	None	RIGID	Typical
126	M126	N218	N216			RIGID	None	None	RIGID	Typical
127	M127	N219	N214			RIGID	None	None	RIGID	Typical
128	M128	N214	N217			RIGID	None	None	RIGID	Typical
129	M129	N214	N213			RIGID	None	None	RIGID	Typical
130	M130	N220	N219		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
131	M131	N218	N217		90	Kicker	Beam	Single Angle	A36 Gr.36	Typical
132	M132	N225	N224			RIGID	None	None	RIGID	Typical
133	M133	N229	N225			RIGID	None	None	RIGID	Typical
134	M134	N227	N225			RIGID	None	None	RIGID	Typical
135	M135	N228	N223			RIGID	None	None	RIGID	Typical
136	M136	N223	N226			RIGID	None	None	RIGID	Typical
137	M137	N223	N222			RIGID	None	None	RIGID	Typical
138	M138	N229	N228		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
139	M139	N227	N226		90	Kicker	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	M4						Yes	Default			None
2	M5						Yes	Default			None
3	M6						Yes	Default			None
4	M7						Yes	Default			None
5	M9						Yes	Default			None
6	M10						Yes	Default			None
7	M11						Yes	Default			None
8	M13						Yes	Default			None
9	M20						Yes	Default			None
10	M21						Yes	Default			None
11	M22						Yes	Default			None
12	M24						Yes	Default			None
13	M34				2		Yes	** NA **			None
14	M36						Yes	Default			None
15	M37						Yes	Default			None
16	M38						Yes	Default			None
17	M40				2		Yes	** NA **			None
18	M41				2		Yes	** NA **			None
19	MP4A						Yes	** NA **			None
20	M46						Yes	** NA **			None
21	M48						Yes	** NA **			None
22	MP3A						Yes	** NA **			None
23	MP2A						Yes	** NA **			None
24	M52						Yes	** NA **			None
25	MP1A						Yes	** NA **			None
26	M55						Yes	** NA **			None
27	M95	OOOOOX					Yes	** NA **			None
28	M96	OOOOOX					Yes	** NA **			None
29	M97	OOOOOX					Yes	** NA **			None
30	M98	OOOOOX					Yes	** NA **			None
31	M99	OOOOOX					Yes	** NA **			None
32	M100	OOOOOX					Yes	** NA **			None
33	M103						Yes	Default	+y		None
34	M104						Yes	** NA **			None
35	M105						Yes	** NA **			None
36	M106						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...
37	M107						Yes	Default	+y		None
38	M111						Yes	** NA **			None
39	M116						Yes	** NA **			None
40	M151						Yes	** NA **			None
41	M152						Yes	** NA **			None
42	M154						Yes	Default	+y		None
43	M157						Yes	Default	+y		None
44	M159						Yes	** NA **			None
45	M160						Yes	** NA **			None
46	M162						Yes	Default	+y		None
47	M165						Yes	Default	+y		None
48	M175						Yes	Default			None
49	M176						Yes	Default			None
50	M177						Yes	Default			None
51	M178						Yes	Default			None
52	M179						Yes	Default			None
53	M180						Yes	Default			None
54	M183						Yes	Default			None
55	M184						Yes	Default			None
56	M185	OOOOOX					Yes	** NA **			None
57	M186	OOOOOX					Yes	** NA **			None
58	M187	OOOOOX					Yes	** NA **			None
59	M188						Yes	Default			None
60	M189						Yes	Default			None
61	M190	OOOOOX					Yes	** NA **			None
62	M191	OOOOOX					Yes	** NA **			None
63	M192						Yes	Default			None
64	M193						Yes	Default			None
65	M194	OOOOOX					Yes	** NA **			None
66	M108			2			Yes	** NA **			None
67	M109			2			Yes	** NA **			None
68	M110			2			Yes	** NA **			None
69	MP5A						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	MP4C						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	MP3C						Yes	** NA **			None
75	MP2C						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	MP1C						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP5C						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	MP4B						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	MP3B						Yes	** NA **			None
85	MP2B						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP1B						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	MP5B						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	OVP2						Yes	** NA **			None
92	OVP1						Yes	** NA **			None
93	M93						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...
94	M94						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	M98A						Yes	** NA **			None
99	M99A						Yes	** NA **			None
100	M100A						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103A						Yes	** NA **			None
104	M104A						Yes	** NA **			None
105	M105A						Yes	** NA **			None
106	M106A						Yes	** NA **			None
107	M107A						Yes	** NA **			None
108	M108A						Yes	** NA **			None
109	M109A						Yes	** NA **			None
110	M110A						Yes	** NA **			None
111	M111A						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113	BenPIN	BenPIN				Yes				None
114	M114	BenPIN	BenPIN				Yes				None
115	M115	BenPIN	BenPIN				Yes	Default			None
116	M116A						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes				None
123	M123						Yes				None
124	M124						Yes	** NA **			None
125	M125						Yes	** NA **			None
126	M126						Yes	** NA **			None
127	M127						Yes	** NA **			None
128	M128						Yes	** NA **			None
129	M129						Yes	** NA **			None
130	M130						Yes				None
131	M131						Yes				None
132	M132						Yes	** NA **			None
133	M133						Yes	** NA **			None
134	M134						Yes	** NA **			None
135	M135						Yes	** NA **			None
136	M136						Yes	** NA **			None
137	M137						Yes	** NA **			None
138	M138						Yes				None
139	M139						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	Y	-84.4	60
2	MP4A	My	.042	60
3	MP4A	Mz	0	60
4	MP4B	Y	-84.4	60
5	MP4B	My	-.021	60
6	MP4B	Mz	.037	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP4C	Y	-84.4	60
8	MP4C	My	-.021	60
9	MP4C	Mz	-.037	60
10	MP1B	Y	-6	12
11	MP1B	My	.002	12
12	MP1B	Mz	-.004	12
13	MP1B	Y	-6	48
14	MP1B	My	.002	48
15	MP1B	Mz	-.004	48
16	MP1C	Y	-6	12
17	MP1C	My	.002	12
18	MP1C	Mz	.004	12
19	MP1C	Y	-6	48
20	MP1C	My	.002	48
21	MP1C	Mz	.004	48
22	MP5B	Y	-6	12
23	MP5B	My	.002	12
24	MP5B	Mz	-.004	12
25	MP5B	Y	-6	48
26	MP5B	My	.002	48
27	MP5B	Mz	-.004	48
28	MP5C	Y	-6	12
29	MP5C	My	.002	12
30	MP5C	Mz	.004	12
31	MP5C	Y	-6	48
32	MP5C	My	.002	48
33	MP5C	Mz	.004	48
34	MP1A	Y	-6	12
35	MP1A	My	-.004	12
36	MP1A	Mz	0	12
37	MP1A	Y	-6	48
38	MP1A	My	-.004	48
39	MP1A	Mz	0	48
40	MP5A	Y	-6	12
41	MP5A	My	-.004	12
42	MP5A	Mz	0	12
43	MP5A	Y	-6	48
44	MP5A	My	-.004	48
45	MP5A	Mz	0	48
46	MP4A	Y	-20	12
47	MP4A	My	-.015	12
48	MP4A	Mz	-.013	12
49	MP4A	Y	-20	66
50	MP4A	My	-.015	66
51	MP4A	Mz	-.013	66
52	MP4B	Y	-20	12
53	MP4B	My	-.015	12
54	MP4B	Mz	-.013	12
55	MP4B	Y	-20	66
56	MP4B	My	-.015	66
57	MP4B	Mz	-.013	66
58	MP4C	Y	-20	12
59	MP4C	My	-.015	12
60	MP4C	Mz	-.013	12
61	MP4C	Y	-20	66
62	MP4C	My	-.015	66
63	MP4C	Mz	-.013	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
64	MP4A	Y	-20	12
65	MP4A	My	-.015	12
66	MP4A	Mz	.013	12
67	MP4A	Y	-20	66
68	MP4A	My	-.015	66
69	MP4A	Mz	.013	66
70	MP4B	Y	-20	12
71	MP4B	My	-.015	12
72	MP4B	Mz	.013	12
73	MP4B	Y	-20	66
74	MP4B	My	-.015	66
75	MP4B	Mz	.013	66
76	MP4C	Y	-20	12
77	MP4C	My	-.015	12
78	MP4C	Mz	.013	12
79	MP4C	Y	-20	66
80	MP4C	My	-.015	66
81	MP4C	Mz	.013	66
82	OVP1	Y	-32	6
83	OVP1	My	0	6
84	OVP1	Mz	0	6
85	OVP2	Y	-32	6
86	OVP2	My	0	6
87	OVP2	Mz	0	6
88	MP2A	Y	-43.55	36
89	MP2A	My	-.029	36
90	MP2A	Mz	0	36
91	MP2A	Y	-43.55	60
92	MP2A	My	-.029	60
93	MP2A	Mz	0	60
94	MP2B	Y	-43.55	36
95	MP2B	My	.015	36
96	MP2B	Mz	-.025	36
97	MP2B	Y	-43.55	60
98	MP2B	My	.015	60
99	MP2B	Mz	-.025	60
100	MP2C	Y	-43.55	36
101	MP2C	My	.015	36
102	MP2C	Mz	.025	36
103	MP2C	Y	-43.55	60
104	MP2C	My	.015	60
105	MP2C	Mz	.025	60
106	MP4A	Y	-70.3	36
107	MP4A	My	.035	36
108	MP4A	Mz	0	36
109	MP4B	Y	-70.3	36
110	MP4B	My	-.018	36
111	MP4B	Mz	.03	36
112	MP4C	Y	-70.3	36
113	MP4C	My	-.018	36
114	MP4C	Mz	-.03	36

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	Y	-72.337	60
2	MP4A	My	.036	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP4A	Mz	0	60
4	MP4B	Y	-72.337	60
5	MP4B	My	-.018	60
6	MP4B	Mz	.031	60
7	MP4C	Y	-72.337	60
8	MP4C	My	-.018	60
9	MP4C	Mz	-.031	60
10	MP1B	Y	-64.452	12
11	MP1B	My	.024	12
12	MP1B	Mz	-.042	12
13	MP1B	Y	-64.452	48
14	MP1B	My	.024	48
15	MP1B	Mz	-.042	48
16	MP1C	Y	-64.452	12
17	MP1C	My	.024	12
18	MP1C	Mz	.042	12
19	MP1C	Y	-64.452	48
20	MP1C	My	.024	48
21	MP1C	Mz	.042	48
22	MP5B	Y	-64.452	12
23	MP5B	My	.024	12
24	MP5B	Mz	-.042	12
25	MP5B	Y	-64.452	48
26	MP5B	My	.024	48
27	MP5B	Mz	-.042	48
28	MP5C	Y	-64.452	12
29	MP5C	My	.024	12
30	MP5C	Mz	.042	12
31	MP5C	Y	-64.452	48
32	MP5C	My	.024	48
33	MP5C	Mz	.042	48
34	MP1A	Y	-64.452	12
35	MP1A	My	-.048	12
36	MP1A	Mz	0	12
37	MP1A	Y	-64.452	48
38	MP1A	My	-.048	48
39	MP1A	Mz	0	48
40	MP5A	Y	-64.452	12
41	MP5A	My	-.048	12
42	MP5A	Mz	0	12
43	MP5A	Y	-64.452	48
44	MP5A	My	-.048	48
45	MP5A	Mz	0	48
46	MP4A	Y	-97.131	12
47	MP4A	My	-.073	12
48	MP4A	Mz	-.065	12
49	MP4A	Y	-97.131	66
50	MP4A	My	-.073	66
51	MP4A	Mz	-.065	66
52	MP4B	Y	-97.131	12
53	MP4B	My	-.073	12
54	MP4B	Mz	-.065	12
55	MP4B	Y	-97.131	66
56	MP4B	My	-.073	66
57	MP4B	Mz	-.065	66
58	MP4C	Y	-97.131	12
59	MP4C	My	-.073	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP4C	Mz	-.065	12
61	MP4C	Y	-97.131	66
62	MP4C	My	-.073	66
63	MP4C	Mz	-.065	66
64	MP4A	Y	-97.131	12
65	MP4A	My	-.073	12
66	MP4A	Mz	.065	12
67	MP4A	Y	-97.131	66
68	MP4A	My	-.073	66
69	MP4A	Mz	.065	66
70	MP4B	Y	-97.131	12
71	MP4B	My	-.073	12
72	MP4B	Mz	.065	12
73	MP4B	Y	-97.131	66
74	MP4B	My	-.073	66
75	MP4B	Mz	.065	66
76	MP4C	Y	-97.131	12
77	MP4C	My	-.073	12
78	MP4C	Mz	.065	12
79	MP4C	Y	-97.131	66
80	MP4C	My	-.073	66
81	MP4C	Mz	.065	66
82	OVP1	Y	-139.193	6
83	OVP1	My	0	6
84	OVP1	Mz	0	6
85	OVP2	Y	-139.193	6
86	OVP2	My	0	6
87	OVP2	Mz	0	6
88	MP2A	Y	-56.906	36
89	MP2A	My	-.038	36
90	MP2A	Mz	0	36
91	MP2A	Y	-56.906	60
92	MP2A	My	-.038	60
93	MP2A	Mz	0	60
94	MP2B	Y	-56.906	36
95	MP2B	My	.019	36
96	MP2B	Mz	-.033	36
97	MP2B	Y	-56.906	60
98	MP2B	My	.019	60
99	MP2B	Mz	-.033	60
100	MP2C	Y	-56.906	36
101	MP2C	My	.019	36
102	MP2C	Mz	.033	36
103	MP2C	Y	-56.906	60
104	MP2C	My	.019	60
105	MP2C	Mz	.033	60
106	MP4A	Y	-65.315	36
107	MP4A	My	.033	36
108	MP4A	Mz	0	36
109	MP4B	Y	-65.315	36
110	MP4B	My	-.016	36
111	MP4B	Mz	.028	36
112	MP4C	Y	-65.315	36
113	MP4C	My	-.016	36
114	MP4C	Mz	-.028	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	-75.131	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	-56.449	60
6	MP4B	Mx	-.024	60
7	MP4C	X	0	60
8	MP4C	Z	-56.449	60
9	MP4C	Mx	.024	60
10	MP1B	X	0	12
11	MP1B	Z	-94.449	12
12	MP1B	Mx	.061	12
13	MP1B	X	0	48
14	MP1B	Z	-94.449	48
15	MP1B	Mx	.061	48
16	MP1C	X	0	12
17	MP1C	Z	-94.449	12
18	MP1C	Mx	-.061	12
19	MP1C	X	0	48
20	MP1C	Z	-94.449	48
21	MP1C	Mx	-.061	48
22	MP5B	X	0	12
23	MP5B	Z	-94.449	12
24	MP5B	Mx	.061	12
25	MP5B	X	0	48
26	MP5B	Z	-94.449	48
27	MP5B	Mx	.061	48
28	MP5C	X	0	12
29	MP5C	Z	-94.449	12
30	MP5C	Mx	-.061	12
31	MP5C	X	0	48
32	MP5C	Z	-94.449	48
33	MP5C	Mx	-.061	48
34	MP1A	X	0	12
35	MP1A	Z	-52.431	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	-52.431	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	-52.431	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	-52.431	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	-163.922	12
48	MP4A	Mx	.109	12
49	MP4A	X	0	66
50	MP4A	Z	-163.922	66
51	MP4A	Mx	.109	66
52	MP4B	X	0	12
53	MP4B	Z	-163.922	12
54	MP4B	Mx	.109	12
55	MP4B	X	0	66
56	MP4B	Z	-163.922	66
57	MP4B	Mx	.109	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	-163.922	12
60	MP4C	Mx	.109	12
61	MP4C	X	0	66
62	MP4C	Z	-163.922	66
63	MP4C	Mx	.109	66
64	MP4A	X	0	12
65	MP4A	Z	-163.922	12
66	MP4A	Mx	-.109	12
67	MP4A	X	0	66
68	MP4A	Z	-163.922	66
69	MP4A	Mx	-.109	66
70	MP4B	X	0	12
71	MP4B	Z	-163.922	12
72	MP4B	Mx	-.109	12
73	MP4B	X	0	66
74	MP4B	Z	-163.922	66
75	MP4B	Mx	-.109	66
76	MP4C	X	0	12
77	MP4C	Z	-163.922	12
78	MP4C	Mx	-.109	12
79	MP4C	X	0	66
80	MP4C	Z	-163.922	66
81	MP4C	Mx	-.109	66
82	OVP1	X	0	6
83	OVP1	Z	-153.451	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	-153.451	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	-94.416	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	-94.416	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	-51.327	36
96	MP2B	Mx	.03	36
97	MP2B	X	0	60
98	MP2B	Z	-51.327	60
99	MP2B	Mx	.03	60
100	MP2C	X	0	36
101	MP2C	Z	-51.327	36
102	MP2C	Mx	-.03	36
103	MP2C	X	0	60
104	MP2C	Z	-51.327	60
105	MP2C	Mx	-.03	60
106	MP4A	X	0	36
107	MP4A	Z	-75.131	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	-49.292	36
111	MP4B	Mx	-.021	36
112	MP4C	X	0	36
113	MP4C	Z	-49.292	36
114	MP4C	Mx	.021	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	34.452	60
2	MP4A	Z	-59.672	60
3	MP4A	Mx	.017	60
4	MP4B	X	25.111	60
5	MP4B	Z	-43.493	60
6	MP4B	Mx	-.025	60
7	MP4C	X	34.452	60
8	MP4C	Z	-59.672	60
9	MP4C	Mx	.017	60
10	MP1B	X	54.227	12
11	MP1B	Z	-93.925	12
12	MP1B	Mx	.081	12
13	MP1B	X	54.227	48
14	MP1B	Z	-93.925	48
15	MP1B	Mx	.081	48
16	MP1C	X	33.218	12
17	MP1C	Z	-57.536	12
18	MP1C	Mx	-.025	12
19	MP1C	X	33.218	48
20	MP1C	Z	-57.536	48
21	MP1C	Mx	-.025	48
22	MP5B	X	54.227	12
23	MP5B	Z	-93.925	12
24	MP5B	Mx	.081	12
25	MP5B	X	54.227	48
26	MP5B	Z	-93.925	48
27	MP5B	Mx	.081	48
28	MP5C	X	33.218	12
29	MP5C	Z	-57.536	12
30	MP5C	Mx	-.025	12
31	MP5C	X	33.218	48
32	MP5C	Z	-57.536	48
33	MP5C	Mx	-.025	48
34	MP1A	X	33.218	12
35	MP1A	Z	-57.536	12
36	MP1A	Mx	-.025	12
37	MP1A	X	33.218	48
38	MP1A	Z	-57.536	48
39	MP1A	Mx	-.025	48
40	MP5A	X	33.218	12
41	MP5A	Z	-57.536	12
42	MP5A	Mx	-.025	12
43	MP5A	X	33.218	48
44	MP5A	Z	-57.536	48
45	MP5A	Mx	-.025	48
46	MP4A	X	75.021	12
47	MP4A	Z	-129.94	12
48	MP4A	Mx	.03	12
49	MP4A	X	75.021	66
50	MP4A	Z	-129.94	66
51	MP4A	Mx	.03	66
52	MP4B	X	75.021	12
53	MP4B	Z	-129.94	12
54	MP4B	Mx	.03	12
55	MP4B	X	75.021	66
56	MP4B	Z	-129.94	66
57	MP4B	Mx	.03	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	75.021	12
59	MP4C	Z	-129.94	12
60	MP4C	Mx	.03	12
61	MP4C	X	75.021	66
62	MP4C	Z	-129.94	66
63	MP4C	Mx	.03	66
64	MP4A	X	75.021	12
65	MP4A	Z	-129.94	12
66	MP4A	Mx	-.143	12
67	MP4A	X	75.021	66
68	MP4A	Z	-129.94	66
69	MP4A	Mx	-.143	66
70	MP4B	X	75.021	12
71	MP4B	Z	-129.94	12
72	MP4B	Mx	-.143	12
73	MP4B	X	75.021	66
74	MP4B	Z	-129.94	66
75	MP4B	Mx	-.143	66
76	MP4C	X	75.021	12
77	MP4C	Z	-129.94	12
78	MP4C	Mx	-.143	12
79	MP4C	X	75.021	66
80	MP4C	Z	-129.94	66
81	MP4C	Mx	-.143	66
82	OVP1	X	67.058	6
83	OVP1	Z	-116.148	6
84	OVP1	Mx	0	6
85	OVP2	X	67.058	6
86	OVP2	Z	-116.148	6
87	OVP2	Mx	0	6
88	MP2A	X	40.026	36
89	MP2A	Z	-69.328	36
90	MP2A	Mx	-.027	36
91	MP2A	X	40.026	60
92	MP2A	Z	-69.328	60
93	MP2A	Mx	-.027	60
94	MP2B	X	18.482	36
95	MP2B	Z	-32.011	36
96	MP2B	Mx	.025	36
97	MP2B	X	18.482	60
98	MP2B	Z	-32.011	60
99	MP2B	Mx	.025	60
100	MP2C	X	40.026	36
101	MP2C	Z	-69.328	36
102	MP2C	Mx	-.027	36
103	MP2C	X	40.026	60
104	MP2C	Z	-69.328	60
105	MP2C	Mx	-.027	60
106	MP4A	X	33.259	36
107	MP4A	Z	-57.606	36
108	MP4A	Mx	.017	36
109	MP4B	X	20.34	36
110	MP4B	Z	-35.229	36
111	MP4B	Mx	-.02	36
112	MP4C	X	33.259	36
113	MP4C	Z	-57.606	36
114	MP4C	Mx	.017	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	48.886	60
2	MP4A	Z	-28.224	60
3	MP4A	Mx	.024	60
4	MP4B	X	48.886	60
5	MP4B	Z	-28.224	60
6	MP4B	Mx	-.024	60
7	MP4C	X	65.065	60
8	MP4C	Z	-37.565	60
9	MP4C	Mx	0	60
10	MP1B	X	81.795	12
11	MP1B	Z	-47.224	12
12	MP1B	Mx	.061	12
13	MP1B	X	81.795	48
14	MP1B	Z	-47.224	48
15	MP1B	Mx	.061	48
16	MP1C	X	45.407	12
17	MP1C	Z	-26.215	12
18	MP1C	Mx	0	12
19	MP1C	X	45.407	48
20	MP1C	Z	-26.215	48
21	MP1C	Mx	0	48
22	MP5B	X	81.795	12
23	MP5B	Z	-47.224	12
24	MP5B	Mx	.061	12
25	MP5B	X	81.795	48
26	MP5B	Z	-47.224	48
27	MP5B	Mx	.061	48
28	MP5C	X	45.407	12
29	MP5C	Z	-26.215	12
30	MP5C	Mx	0	12
31	MP5C	X	45.407	48
32	MP5C	Z	-26.215	48
33	MP5C	Mx	0	48
34	MP1A	X	81.795	12
35	MP1A	Z	-47.224	12
36	MP1A	Mx	-.061	12
37	MP1A	X	81.795	48
38	MP1A	Z	-47.224	48
39	MP1A	Mx	-.061	48
40	MP5A	X	81.795	12
41	MP5A	Z	-47.224	12
42	MP5A	Mx	-.061	12
43	MP5A	X	81.795	48
44	MP5A	Z	-47.224	48
45	MP5A	Mx	-.061	48
46	MP4A	X	105.9	12
47	MP4A	Z	-61.141	12
48	MP4A	Mx	-.039	12
49	MP4A	X	105.9	66
50	MP4A	Z	-61.141	66
51	MP4A	Mx	-.039	66
52	MP4B	X	105.9	12
53	MP4B	Z	-61.141	12
54	MP4B	Mx	-.039	12
55	MP4B	X	105.9	66
56	MP4B	Z	-61.141	66
57	MP4B	Mx	-.039	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	105.9	12
59	MP4C	Z	-61.141	12
60	MP4C	Mx	-.039	12
61	MP4C	X	105.9	66
62	MP4C	Z	-61.141	66
63	MP4C	Mx	-.039	66
64	MP4A	X	105.9	12
65	MP4A	Z	-61.141	12
66	MP4A	Mx	-.12	12
67	MP4A	X	105.9	66
68	MP4A	Z	-61.141	66
69	MP4A	Mx	-.12	66
70	MP4B	X	105.9	12
71	MP4B	Z	-61.141	12
72	MP4B	Mx	-.12	12
73	MP4B	X	105.9	66
74	MP4B	Z	-61.141	66
75	MP4B	Mx	-.12	66
76	MP4C	X	105.9	12
77	MP4C	Z	-61.141	12
78	MP4C	Mx	-.12	12
79	MP4C	X	105.9	66
80	MP4C	Z	-61.141	66
81	MP4C	Mx	-.12	66
82	OVP1	X	107.775	6
83	OVP1	Z	-62.224	6
84	OVP1	Mx	0	6
85	OVP2	X	107.775	6
86	OVP2	Z	-62.224	6
87	OVP2	Mx	0	6
88	MP2A	X	44.45	36
89	MP2A	Z	-25.663	36
90	MP2A	Mx	-.03	36
91	MP2A	X	44.45	60
92	MP2A	Z	-25.663	60
93	MP2A	Mx	-.03	60
94	MP2B	X	44.45	36
95	MP2B	Z	-25.663	36
96	MP2B	Mx	.03	36
97	MP2B	X	44.45	60
98	MP2B	Z	-25.663	60
99	MP2B	Mx	.03	60
100	MP2C	X	81.767	36
101	MP2C	Z	-47.208	36
102	MP2C	Mx	0	36
103	MP2C	X	81.767	60
104	MP2C	Z	-47.208	60
105	MP2C	Mx	0	60
106	MP4A	X	42.688	36
107	MP4A	Z	-24.646	36
108	MP4A	Mx	.021	36
109	MP4B	X	42.688	36
110	MP4B	Z	-24.646	36
111	MP4B	Mx	-.021	36
112	MP4C	X	65.065	36
113	MP4C	Z	-37.565	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	50.221	60
2	MP4A	Z	0	60
3	MP4A	Mx	.025	60
4	MP4B	X	68.903	60
5	MP4B	Z	0	60
6	MP4B	Mx	-.017	60
7	MP4C	X	68.903	60
8	MP4C	Z	0	60
9	MP4C	Mx	-.017	60
10	MP1B	X	66.437	12
11	MP1B	Z	0	12
12	MP1B	Mx	.025	12
13	MP1B	X	66.437	48
14	MP1B	Z	0	48
15	MP1B	Mx	.025	48
16	MP1C	X	66.437	12
17	MP1C	Z	0	12
18	MP1C	Mx	.025	12
19	MP1C	X	66.437	48
20	MP1C	Z	0	48
21	MP1C	Mx	.025	48
22	MP5B	X	66.437	12
23	MP5B	Z	0	12
24	MP5B	Mx	.025	12
25	MP5B	X	66.437	48
26	MP5B	Z	0	48
27	MP5B	Mx	.025	48
28	MP5C	X	66.437	12
29	MP5C	Z	0	12
30	MP5C	Mx	.025	12
31	MP5C	X	66.437	48
32	MP5C	Z	0	48
33	MP5C	Mx	.025	48
34	MP1A	X	108.455	12
35	MP1A	Z	0	12
36	MP1A	Mx	-.081	12
37	MP1A	X	108.455	48
38	MP1A	Z	0	48
39	MP1A	Mx	-.081	48
40	MP5A	X	108.455	12
41	MP5A	Z	0	12
42	MP5A	Mx	-.081	12
43	MP5A	X	108.455	48
44	MP5A	Z	0	48
45	MP5A	Mx	-.081	48
46	MP4A	X	108.403	12
47	MP4A	Z	0	12
48	MP4A	Mx	-.081	12
49	MP4A	X	108.403	66
50	MP4A	Z	0	66
51	MP4A	Mx	-.081	66
52	MP4B	X	108.403	12
53	MP4B	Z	0	12
54	MP4B	Mx	-.081	12
55	MP4B	X	108.403	66
56	MP4B	Z	0	66
57	MP4B	Mx	-.081	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	108.403	12
59	MP4C	Z	0	12
60	MP4C	Mx	-.081	12
61	MP4C	X	108.403	66
62	MP4C	Z	0	66
63	MP4C	Mx	-.081	66
64	MP4A	X	108.403	12
65	MP4A	Z	0	12
66	MP4A	Mx	-.081	12
67	MP4A	X	108.403	66
68	MP4A	Z	0	66
69	MP4A	Mx	-.081	66
70	MP4B	X	108.403	12
71	MP4B	Z	0	12
72	MP4B	Mx	-.081	12
73	MP4B	X	108.403	66
74	MP4B	Z	0	66
75	MP4B	Mx	-.081	66
76	MP4C	X	108.403	12
77	MP4C	Z	0	12
78	MP4C	Mx	-.081	12
79	MP4C	X	108.403	66
80	MP4C	Z	0	66
81	MP4C	Mx	-.081	66
82	OVP1	X	134.116	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	134.116	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	36.964	36
89	MP2A	Z	0	36
90	MP2A	Mx	-.025	36
91	MP2A	X	36.964	60
92	MP2A	Z	0	60
93	MP2A	Mx	-.025	60
94	MP2B	X	80.053	36
95	MP2B	Z	0	36
96	MP2B	Mx	.027	36
97	MP2B	X	80.053	60
98	MP2B	Z	0	60
99	MP2B	Mx	.027	60
100	MP2C	X	80.053	36
101	MP2C	Z	0	36
102	MP2C	Mx	.027	36
103	MP2C	X	80.053	60
104	MP2C	Z	0	60
105	MP2C	Mx	.027	60
106	MP4A	X	40.679	36
107	MP4A	Z	0	36
108	MP4A	Mx	.02	36
109	MP4B	X	66.518	36
110	MP4B	Z	0	36
111	MP4B	Mx	-.017	36
112	MP4C	X	66.518	36
113	MP4C	Z	0	36
114	MP4C	Mx	-.017	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	48.886	60
2	MP4A	Z	28.224	60
3	MP4A	Mx	.024	60
4	MP4B	X	65.065	60
5	MP4B	Z	37.565	60
6	MP4B	Mx	0	60
7	MP4C	X	48.886	60
8	MP4C	Z	28.224	60
9	MP4C	Mx	-.024	60
10	MP1B	X	45.407	12
11	MP1B	Z	26.215	12
12	MP1B	Mx	0	12
13	MP1B	X	45.407	48
14	MP1B	Z	26.215	48
15	MP1B	Mx	0	48
16	MP1C	X	81.795	12
17	MP1C	Z	47.224	12
18	MP1C	Mx	.061	12
19	MP1C	X	81.795	48
20	MP1C	Z	47.224	48
21	MP1C	Mx	.061	48
22	MP5B	X	45.407	12
23	MP5B	Z	26.215	12
24	MP5B	Mx	0	12
25	MP5B	X	45.407	48
26	MP5B	Z	26.215	48
27	MP5B	Mx	0	48
28	MP5C	X	81.795	12
29	MP5C	Z	47.224	12
30	MP5C	Mx	.061	12
31	MP5C	X	81.795	48
32	MP5C	Z	47.224	48
33	MP5C	Mx	.061	48
34	MP1A	X	81.795	12
35	MP1A	Z	47.224	12
36	MP1A	Mx	-.061	12
37	MP1A	X	81.795	48
38	MP1A	Z	47.224	48
39	MP1A	Mx	-.061	48
40	MP5A	X	81.795	12
41	MP5A	Z	47.224	12
42	MP5A	Mx	-.061	12
43	MP5A	X	81.795	48
44	MP5A	Z	47.224	48
45	MP5A	Mx	-.061	48
46	MP4A	X	105.9	12
47	MP4A	Z	61.141	12
48	MP4A	Mx	-.12	12
49	MP4A	X	105.9	66
50	MP4A	Z	61.141	66
51	MP4A	Mx	-.12	66
52	MP4B	X	105.9	12
53	MP4B	Z	61.141	12
54	MP4B	Mx	-.12	12
55	MP4B	X	105.9	66
56	MP4B	Z	61.141	66
57	MP4B	Mx	-.12	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	105.9	12
59	MP4C	Z	61.141	12
60	MP4C	Mx	-.12	12
61	MP4C	X	105.9	66
62	MP4C	Z	61.141	66
63	MP4C	Mx	-.12	66
64	MP4A	X	105.9	12
65	MP4A	Z	61.141	12
66	MP4A	Mx	-.039	12
67	MP4A	X	105.9	66
68	MP4A	Z	61.141	66
69	MP4A	Mx	-.039	66
70	MP4B	X	105.9	12
71	MP4B	Z	61.141	12
72	MP4B	Mx	-.039	12
73	MP4B	X	105.9	66
74	MP4B	Z	61.141	66
75	MP4B	Mx	-.039	66
76	MP4C	X	105.9	12
77	MP4C	Z	61.141	12
78	MP4C	Mx	-.039	12
79	MP4C	X	105.9	66
80	MP4C	Z	61.141	66
81	MP4C	Mx	-.039	66
82	OVP1	X	132.892	6
83	OVP1	Z	76.725	6
84	OVP1	Mx	0	6
85	OVP2	X	132.892	6
86	OVP2	Z	76.725	6
87	OVP2	Mx	0	6
88	MP2A	X	44.45	36
89	MP2A	Z	25.663	36
90	MP2A	Mx	-.03	36
91	MP2A	X	44.45	60
92	MP2A	Z	25.663	60
93	MP2A	Mx	-.03	60
94	MP2B	X	81.767	36
95	MP2B	Z	47.208	36
96	MP2B	Mx	0	36
97	MP2B	X	81.767	60
98	MP2B	Z	47.208	60
99	MP2B	Mx	0	60
100	MP2C	X	44.45	36
101	MP2C	Z	25.663	36
102	MP2C	Mx	.03	36
103	MP2C	X	44.45	60
104	MP2C	Z	25.663	60
105	MP2C	Mx	.03	60
106	MP4A	X	42.688	36
107	MP4A	Z	24.646	36
108	MP4A	Mx	.021	36
109	MP4B	X	65.065	36
110	MP4B	Z	37.565	36
111	MP4B	Mx	0	36
112	MP4C	X	42.688	36
113	MP4C	Z	24.646	36
114	MP4C	Mx	-.021	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	34.452	60
2	MP4A	Z	59.672	60
3	MP4A	Mx	.017	60
4	MP4B	X	34.452	60
5	MP4B	Z	59.672	60
6	MP4B	Mx	.017	60
7	MP4C	X	25.111	60
8	MP4C	Z	43.493	60
9	MP4C	Mx	-.025	60
10	MP1B	X	33.218	12
11	MP1B	Z	57.536	12
12	MP1B	Mx	-.025	12
13	MP1B	X	33.218	48
14	MP1B	Z	57.536	48
15	MP1B	Mx	-.025	48
16	MP1C	X	54.227	12
17	MP1C	Z	93.925	12
18	MP1C	Mx	.081	12
19	MP1C	X	54.227	48
20	MP1C	Z	93.925	48
21	MP1C	Mx	.081	48
22	MP5B	X	33.218	12
23	MP5B	Z	57.536	12
24	MP5B	Mx	-.025	12
25	MP5B	X	33.218	48
26	MP5B	Z	57.536	48
27	MP5B	Mx	-.025	48
28	MP5C	X	54.227	12
29	MP5C	Z	93.925	12
30	MP5C	Mx	.081	12
31	MP5C	X	54.227	48
32	MP5C	Z	93.925	48
33	MP5C	Mx	.081	48
34	MP1A	X	33.218	12
35	MP1A	Z	57.536	12
36	MP1A	Mx	-.025	12
37	MP1A	X	33.218	48
38	MP1A	Z	57.536	48
39	MP1A	Mx	-.025	48
40	MP5A	X	33.218	12
41	MP5A	Z	57.536	12
42	MP5A	Mx	-.025	12
43	MP5A	X	33.218	48
44	MP5A	Z	57.536	48
45	MP5A	Mx	-.025	48
46	MP4A	X	75.021	12
47	MP4A	Z	129.94	12
48	MP4A	Mx	-.143	12
49	MP4A	X	75.021	66
50	MP4A	Z	129.94	66
51	MP4A	Mx	-.143	66
52	MP4B	X	75.021	12
53	MP4B	Z	129.94	12
54	MP4B	Mx	-.143	12
55	MP4B	X	75.021	66
56	MP4B	Z	129.94	66
57	MP4B	Mx	-.143	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	75.021	12
59	MP4C	Z	129.94	12
60	MP4C	Mx	-.143	12
61	MP4C	X	75.021	66
62	MP4C	Z	129.94	66
63	MP4C	Mx	-.143	66
64	MP4A	X	75.021	12
65	MP4A	Z	129.94	12
66	MP4A	Mx	.03	12
67	MP4A	X	75.021	66
68	MP4A	Z	129.94	66
69	MP4A	Mx	.03	66
70	MP4B	X	75.021	12
71	MP4B	Z	129.94	12
72	MP4B	Mx	.03	12
73	MP4B	X	75.021	66
74	MP4B	Z	129.94	66
75	MP4B	Mx	.03	66
76	MP4C	X	75.021	12
77	MP4C	Z	129.94	12
78	MP4C	Mx	.03	12
79	MP4C	X	75.021	66
80	MP4C	Z	129.94	66
81	MP4C	Mx	.03	66
82	OVP1	X	81.559	6
83	OVP1	Z	141.265	6
84	OVP1	Mx	0	6
85	OVP2	X	81.559	6
86	OVP2	Z	141.265	6
87	OVP2	Mx	0	6
88	MP2A	X	40.026	36
89	MP2A	Z	69.328	36
90	MP2A	Mx	-.027	36
91	MP2A	X	40.026	60
92	MP2A	Z	69.328	60
93	MP2A	Mx	-.027	60
94	MP2B	X	40.026	36
95	MP2B	Z	69.328	36
96	MP2B	Mx	-.027	36
97	MP2B	X	40.026	60
98	MP2B	Z	69.328	60
99	MP2B	Mx	-.027	60
100	MP2C	X	18.482	36
101	MP2C	Z	32.011	36
102	MP2C	Mx	.025	36
103	MP2C	X	18.482	60
104	MP2C	Z	32.011	60
105	MP2C	Mx	.025	60
106	MP4A	X	33.259	36
107	MP4A	Z	57.606	36
108	MP4A	Mx	.017	36
109	MP4B	X	33.259	36
110	MP4B	Z	57.606	36
111	MP4B	Mx	.017	36
112	MP4C	X	20.34	36
113	MP4C	Z	35.229	36
114	MP4C	Mx	-.02	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	75.131	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	56.449	60
6	MP4B	Mx	.024	60
7	MP4C	X	0	60
8	MP4C	Z	56.449	60
9	MP4C	Mx	-.024	60
10	MP1B	X	0	12
11	MP1B	Z	94.449	12
12	MP1B	Mx	-.061	12
13	MP1B	X	0	48
14	MP1B	Z	94.449	48
15	MP1B	Mx	-.061	48
16	MP1C	X	0	12
17	MP1C	Z	94.449	12
18	MP1C	Mx	.061	12
19	MP1C	X	0	48
20	MP1C	Z	94.449	48
21	MP1C	Mx	.061	48
22	MP5B	X	0	12
23	MP5B	Z	94.449	12
24	MP5B	Mx	-.061	12
25	MP5B	X	0	48
26	MP5B	Z	94.449	48
27	MP5B	Mx	-.061	48
28	MP5C	X	0	12
29	MP5C	Z	94.449	12
30	MP5C	Mx	.061	12
31	MP5C	X	0	48
32	MP5C	Z	94.449	48
33	MP5C	Mx	.061	48
34	MP1A	X	0	12
35	MP1A	Z	52.431	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	52.431	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	52.431	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	52.431	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	163.922	12
48	MP4A	Mx	-.109	12
49	MP4A	X	0	66
50	MP4A	Z	163.922	66
51	MP4A	Mx	-.109	66
52	MP4B	X	0	12
53	MP4B	Z	163.922	12
54	MP4B	Mx	-.109	12
55	MP4B	X	0	66
56	MP4B	Z	163.922	66
57	MP4B	Mx	-.109	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	163.922	12
60	MP4C	Mx	-.109	12
61	MP4C	X	0	66
62	MP4C	Z	163.922	66
63	MP4C	Mx	-.109	66
64	MP4A	X	0	12
65	MP4A	Z	163.922	12
66	MP4A	Mx	.109	12
67	MP4A	X	0	66
68	MP4A	Z	163.922	66
69	MP4A	Mx	.109	66
70	MP4B	X	0	12
71	MP4B	Z	163.922	12
72	MP4B	Mx	.109	12
73	MP4B	X	0	66
74	MP4B	Z	163.922	66
75	MP4B	Mx	.109	66
76	MP4C	X	0	12
77	MP4C	Z	163.922	12
78	MP4C	Mx	.109	12
79	MP4C	X	0	66
80	MP4C	Z	163.922	66
81	MP4C	Mx	.109	66
82	OVP1	X	0	6
83	OVP1	Z	153.451	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	153.451	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	94.416	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	94.416	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	51.327	36
96	MP2B	Mx	-.03	36
97	MP2B	X	0	60
98	MP2B	Z	51.327	60
99	MP2B	Mx	-.03	60
100	MP2C	X	0	36
101	MP2C	Z	51.327	36
102	MP2C	Mx	.03	36
103	MP2C	X	0	60
104	MP2C	Z	51.327	60
105	MP2C	Mx	.03	60
106	MP4A	X	0	36
107	MP4A	Z	75.131	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	49.292	36
111	MP4B	Mx	.021	36
112	MP4C	X	0	36
113	MP4C	Z	49.292	36
114	MP4C	Mx	-.021	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-34.452	60
2	MP4A	Z	59.672	60
3	MP4A	Mx	-.017	60
4	MP4B	X	-25.111	60
5	MP4B	Z	43.493	60
6	MP4B	Mx	.025	60
7	MP4C	X	-34.452	60
8	MP4C	Z	59.672	60
9	MP4C	Mx	-.017	60
10	MP1B	X	-54.227	12
11	MP1B	Z	93.925	12
12	MP1B	Mx	-.081	12
13	MP1B	X	-54.227	48
14	MP1B	Z	93.925	48
15	MP1B	Mx	-.081	48
16	MP1C	X	-33.218	12
17	MP1C	Z	57.536	12
18	MP1C	Mx	.025	12
19	MP1C	X	-33.218	48
20	MP1C	Z	57.536	48
21	MP1C	Mx	.025	48
22	MP5B	X	-54.227	12
23	MP5B	Z	93.925	12
24	MP5B	Mx	-.081	12
25	MP5B	X	-54.227	48
26	MP5B	Z	93.925	48
27	MP5B	Mx	-.081	48
28	MP5C	X	-33.218	12
29	MP5C	Z	57.536	12
30	MP5C	Mx	.025	12
31	MP5C	X	-33.218	48
32	MP5C	Z	57.536	48
33	MP5C	Mx	.025	48
34	MP1A	X	-33.218	12
35	MP1A	Z	57.536	12
36	MP1A	Mx	.025	12
37	MP1A	X	-33.218	48
38	MP1A	Z	57.536	48
39	MP1A	Mx	.025	48
40	MP5A	X	-33.218	12
41	MP5A	Z	57.536	12
42	MP5A	Mx	.025	12
43	MP5A	X	-33.218	48
44	MP5A	Z	57.536	48
45	MP5A	Mx	.025	48
46	MP4A	X	-75.021	12
47	MP4A	Z	129.94	12
48	MP4A	Mx	-.03	12
49	MP4A	X	-75.021	66
50	MP4A	Z	129.94	66
51	MP4A	Mx	-.03	66
52	MP4B	X	-75.021	12
53	MP4B	Z	129.94	12
54	MP4B	Mx	-.03	12
55	MP4B	X	-75.021	66
56	MP4B	Z	129.94	66
57	MP4B	Mx	-.03	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-75.021	12
59	MP4C	Z	129.94	12
60	MP4C	Mx	-.03	12
61	MP4C	X	-75.021	66
62	MP4C	Z	129.94	66
63	MP4C	Mx	-.03	66
64	MP4A	X	-75.021	12
65	MP4A	Z	129.94	12
66	MP4A	Mx	.143	12
67	MP4A	X	-75.021	66
68	MP4A	Z	129.94	66
69	MP4A	Mx	.143	66
70	MP4B	X	-75.021	12
71	MP4B	Z	129.94	12
72	MP4B	Mx	.143	12
73	MP4B	X	-75.021	66
74	MP4B	Z	129.94	66
75	MP4B	Mx	.143	66
76	MP4C	X	-75.021	12
77	MP4C	Z	129.94	12
78	MP4C	Mx	.143	12
79	MP4C	X	-75.021	66
80	MP4C	Z	129.94	66
81	MP4C	Mx	.143	66
82	OVP1	X	-67.058	6
83	OVP1	Z	116.148	6
84	OVP1	Mx	0	6
85	OVP2	X	-67.058	6
86	OVP2	Z	116.148	6
87	OVP2	Mx	0	6
88	MP2A	X	-40.026	36
89	MP2A	Z	69.328	36
90	MP2A	Mx	.027	36
91	MP2A	X	-40.026	60
92	MP2A	Z	69.328	60
93	MP2A	Mx	.027	60
94	MP2B	X	-18.482	36
95	MP2B	Z	32.011	36
96	MP2B	Mx	-.025	36
97	MP2B	X	-18.482	60
98	MP2B	Z	32.011	60
99	MP2B	Mx	-.025	60
100	MP2C	X	-40.026	36
101	MP2C	Z	69.328	36
102	MP2C	Mx	.027	36
103	MP2C	X	-40.026	60
104	MP2C	Z	69.328	60
105	MP2C	Mx	.027	60
106	MP4A	X	-33.259	36
107	MP4A	Z	57.606	36
108	MP4A	Mx	-.017	36
109	MP4B	X	-20.34	36
110	MP4B	Z	35.229	36
111	MP4B	Mx	.02	36
112	MP4C	X	-33.259	36
113	MP4C	Z	57.606	36
114	MP4C	Mx	-.017	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-48.886	60
2	MP4A	Z	28.224	60
3	MP4A	Mx	-.024	60
4	MP4B	X	-48.886	60
5	MP4B	Z	28.224	60
6	MP4B	Mx	.024	60
7	MP4C	X	-65.065	60
8	MP4C	Z	37.565	60
9	MP4C	Mx	0	60
10	MP1B	X	-81.795	12
11	MP1B	Z	47.224	12
12	MP1B	Mx	-.061	12
13	MP1B	X	-81.795	48
14	MP1B	Z	47.224	48
15	MP1B	Mx	-.061	48
16	MP1C	X	-45.407	12
17	MP1C	Z	26.215	12
18	MP1C	Mx	0	12
19	MP1C	X	-45.407	48
20	MP1C	Z	26.215	48
21	MP1C	Mx	0	48
22	MP5B	X	-81.795	12
23	MP5B	Z	47.224	12
24	MP5B	Mx	-.061	12
25	MP5B	X	-81.795	48
26	MP5B	Z	47.224	48
27	MP5B	Mx	-.061	48
28	MP5C	X	-45.407	12
29	MP5C	Z	26.215	12
30	MP5C	Mx	0	12
31	MP5C	X	-45.407	48
32	MP5C	Z	26.215	48
33	MP5C	Mx	0	48
34	MP1A	X	-81.795	12
35	MP1A	Z	47.224	12
36	MP1A	Mx	.061	12
37	MP1A	X	-81.795	48
38	MP1A	Z	47.224	48
39	MP1A	Mx	.061	48
40	MP5A	X	-81.795	12
41	MP5A	Z	47.224	12
42	MP5A	Mx	.061	12
43	MP5A	X	-81.795	48
44	MP5A	Z	47.224	48
45	MP5A	Mx	.061	48
46	MP4A	X	-105.9	12
47	MP4A	Z	61.141	12
48	MP4A	Mx	.039	12
49	MP4A	X	-105.9	66
50	MP4A	Z	61.141	66
51	MP4A	Mx	.039	66
52	MP4B	X	-105.9	12
53	MP4B	Z	61.141	12
54	MP4B	Mx	.039	12
55	MP4B	X	-105.9	66
56	MP4B	Z	61.141	66
57	MP4B	Mx	.039	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-105.9	12
59	MP4C	Z	61.141	12
60	MP4C	Mx	.039	12
61	MP4C	X	-105.9	66
62	MP4C	Z	61.141	66
63	MP4C	Mx	.039	66
64	MP4A	X	-105.9	12
65	MP4A	Z	61.141	12
66	MP4A	Mx	.12	12
67	MP4A	X	-105.9	66
68	MP4A	Z	61.141	66
69	MP4A	Mx	.12	66
70	MP4B	X	-105.9	12
71	MP4B	Z	61.141	12
72	MP4B	Mx	.12	12
73	MP4B	X	-105.9	66
74	MP4B	Z	61.141	66
75	MP4B	Mx	.12	66
76	MP4C	X	-105.9	12
77	MP4C	Z	61.141	12
78	MP4C	Mx	.12	12
79	MP4C	X	-105.9	66
80	MP4C	Z	61.141	66
81	MP4C	Mx	.12	66
82	OVP1	X	-107.775	6
83	OVP1	Z	62.224	6
84	OVP1	Mx	0	6
85	OVP2	X	-107.775	6
86	OVP2	Z	62.224	6
87	OVP2	Mx	0	6
88	MP2A	X	-44.45	36
89	MP2A	Z	25.663	36
90	MP2A	Mx	.03	36
91	MP2A	X	-44.45	60
92	MP2A	Z	25.663	60
93	MP2A	Mx	.03	60
94	MP2B	X	-44.45	36
95	MP2B	Z	25.663	36
96	MP2B	Mx	-.03	36
97	MP2B	X	-44.45	60
98	MP2B	Z	25.663	60
99	MP2B	Mx	-.03	60
100	MP2C	X	-81.767	36
101	MP2C	Z	47.208	36
102	MP2C	Mx	0	36
103	MP2C	X	-81.767	60
104	MP2C	Z	47.208	60
105	MP2C	Mx	0	60
106	MP4A	X	-42.688	36
107	MP4A	Z	24.646	36
108	MP4A	Mx	-.021	36
109	MP4B	X	-42.688	36
110	MP4B	Z	24.646	36
111	MP4B	Mx	.021	36
112	MP4C	X	-65.065	36
113	MP4C	Z	37.565	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-50.221	60
2	MP4A	Z	0	60
3	MP4A	Mx	-.025	60
4	MP4B	X	-68.903	60
5	MP4B	Z	0	60
6	MP4B	Mx	.017	60
7	MP4C	X	-68.903	60
8	MP4C	Z	0	60
9	MP4C	Mx	.017	60
10	MP1B	X	-66.437	12
11	MP1B	Z	0	12
12	MP1B	Mx	-.025	12
13	MP1B	X	-66.437	48
14	MP1B	Z	0	48
15	MP1B	Mx	-.025	48
16	MP1C	X	-66.437	12
17	MP1C	Z	0	12
18	MP1C	Mx	-.025	12
19	MP1C	X	-66.437	48
20	MP1C	Z	0	48
21	MP1C	Mx	-.025	48
22	MP5B	X	-66.437	12
23	MP5B	Z	0	12
24	MP5B	Mx	-.025	12
25	MP5B	X	-66.437	48
26	MP5B	Z	0	48
27	MP5B	Mx	-.025	48
28	MP5C	X	-66.437	12
29	MP5C	Z	0	12
30	MP5C	Mx	-.025	12
31	MP5C	X	-66.437	48
32	MP5C	Z	0	48
33	MP5C	Mx	-.025	48
34	MP1A	X	-108.455	12
35	MP1A	Z	0	12
36	MP1A	Mx	.081	12
37	MP1A	X	-108.455	48
38	MP1A	Z	0	48
39	MP1A	Mx	.081	48
40	MP5A	X	-108.455	12
41	MP5A	Z	0	12
42	MP5A	Mx	.081	12
43	MP5A	X	-108.455	48
44	MP5A	Z	0	48
45	MP5A	Mx	.081	48
46	MP4A	X	-108.403	12
47	MP4A	Z	0	12
48	MP4A	Mx	.081	12
49	MP4A	X	-108.403	66
50	MP4A	Z	0	66
51	MP4A	Mx	.081	66
52	MP4B	X	-108.403	12
53	MP4B	Z	0	12
54	MP4B	Mx	.081	12
55	MP4B	X	-108.403	66
56	MP4B	Z	0	66
57	MP4B	Mx	.081	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-108.403	12
59	MP4C	Z	0	12
60	MP4C	Mx	.081	12
61	MP4C	X	-108.403	66
62	MP4C	Z	0	66
63	MP4C	Mx	.081	66
64	MP4A	X	-108.403	12
65	MP4A	Z	0	12
66	MP4A	Mx	.081	12
67	MP4A	X	-108.403	66
68	MP4A	Z	0	66
69	MP4A	Mx	.081	66
70	MP4B	X	-108.403	12
71	MP4B	Z	0	12
72	MP4B	Mx	.081	12
73	MP4B	X	-108.403	66
74	MP4B	Z	0	66
75	MP4B	Mx	.081	66
76	MP4C	X	-108.403	12
77	MP4C	Z	0	12
78	MP4C	Mx	.081	12
79	MP4C	X	-108.403	66
80	MP4C	Z	0	66
81	MP4C	Mx	.081	66
82	OVP1	X	-134.116	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	-134.116	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	-36.964	36
89	MP2A	Z	0	36
90	MP2A	Mx	.025	36
91	MP2A	X	-36.964	60
92	MP2A	Z	0	60
93	MP2A	Mx	.025	60
94	MP2B	X	-80.053	36
95	MP2B	Z	0	36
96	MP2B	Mx	-.027	36
97	MP2B	X	-80.053	60
98	MP2B	Z	0	60
99	MP2B	Mx	-.027	60
100	MP2C	X	-80.053	36
101	MP2C	Z	0	36
102	MP2C	Mx	-.027	36
103	MP2C	X	-80.053	60
104	MP2C	Z	0	60
105	MP2C	Mx	-.027	60
106	MP4A	X	-40.679	36
107	MP4A	Z	0	36
108	MP4A	Mx	-.02	36
109	MP4B	X	-66.518	36
110	MP4B	Z	0	36
111	MP4B	Mx	.017	36
112	MP4C	X	-66.518	36
113	MP4C	Z	0	36
114	MP4C	Mx	.017	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-48.886	60
2	MP4A	Z	-28.224	60
3	MP4A	Mx	-.024	60
4	MP4B	X	-65.065	60
5	MP4B	Z	-37.565	60
6	MP4B	Mx	0	60
7	MP4C	X	-48.886	60
8	MP4C	Z	-28.224	60
9	MP4C	Mx	.024	60
10	MP1B	X	-45.407	12
11	MP1B	Z	-26.215	12
12	MP1B	Mx	0	12
13	MP1B	X	-45.407	48
14	MP1B	Z	-26.215	48
15	MP1B	Mx	0	48
16	MP1C	X	-81.795	12
17	MP1C	Z	-47.224	12
18	MP1C	Mx	-.061	12
19	MP1C	X	-81.795	48
20	MP1C	Z	-47.224	48
21	MP1C	Mx	-.061	48
22	MP5B	X	-45.407	12
23	MP5B	Z	-26.215	12
24	MP5B	Mx	0	12
25	MP5B	X	-45.407	48
26	MP5B	Z	-26.215	48
27	MP5B	Mx	0	48
28	MP5C	X	-81.795	12
29	MP5C	Z	-47.224	12
30	MP5C	Mx	-.061	12
31	MP5C	X	-81.795	48
32	MP5C	Z	-47.224	48
33	MP5C	Mx	-.061	48
34	MP1A	X	-81.795	12
35	MP1A	Z	-47.224	12
36	MP1A	Mx	.061	12
37	MP1A	X	-81.795	48
38	MP1A	Z	-47.224	48
39	MP1A	Mx	.061	48
40	MP5A	X	-81.795	12
41	MP5A	Z	-47.224	12
42	MP5A	Mx	.061	12
43	MP5A	X	-81.795	48
44	MP5A	Z	-47.224	48
45	MP5A	Mx	.061	48
46	MP4A	X	-105.9	12
47	MP4A	Z	-61.141	12
48	MP4A	Mx	.12	12
49	MP4A	X	-105.9	66
50	MP4A	Z	-61.141	66
51	MP4A	Mx	.12	66
52	MP4B	X	-105.9	12
53	MP4B	Z	-61.141	12
54	MP4B	Mx	.12	12
55	MP4B	X	-105.9	66
56	MP4B	Z	-61.141	66
57	MP4B	Mx	.12	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-105.9	12
59	MP4C	Z	-61.141	12
60	MP4C	Mx	.12	12
61	MP4C	X	-105.9	66
62	MP4C	Z	-61.141	66
63	MP4C	Mx	.12	66
64	MP4A	X	-105.9	12
65	MP4A	Z	-61.141	12
66	MP4A	Mx	.039	12
67	MP4A	X	-105.9	66
68	MP4A	Z	-61.141	66
69	MP4A	Mx	.039	66
70	MP4B	X	-105.9	12
71	MP4B	Z	-61.141	12
72	MP4B	Mx	.039	12
73	MP4B	X	-105.9	66
74	MP4B	Z	-61.141	66
75	MP4B	Mx	.039	66
76	MP4C	X	-105.9	12
77	MP4C	Z	-61.141	12
78	MP4C	Mx	.039	12
79	MP4C	X	-105.9	66
80	MP4C	Z	-61.141	66
81	MP4C	Mx	.039	66
82	OVP1	X	-132.892	6
83	OVP1	Z	-76.725	6
84	OVP1	Mx	0	6
85	OVP2	X	-132.892	6
86	OVP2	Z	-76.725	6
87	OVP2	Mx	0	6
88	MP2A	X	-44.45	36
89	MP2A	Z	-25.663	36
90	MP2A	Mx	.03	36
91	MP2A	X	-44.45	60
92	MP2A	Z	-25.663	60
93	MP2A	Mx	.03	60
94	MP2B	X	-81.767	36
95	MP2B	Z	-47.208	36
96	MP2B	Mx	0	36
97	MP2B	X	-81.767	60
98	MP2B	Z	-47.208	60
99	MP2B	Mx	0	60
100	MP2C	X	-44.45	36
101	MP2C	Z	-25.663	36
102	MP2C	Mx	-.03	36
103	MP2C	X	-44.45	60
104	MP2C	Z	-25.663	60
105	MP2C	Mx	-.03	60
106	MP4A	X	-42.688	36
107	MP4A	Z	-24.646	36
108	MP4A	Mx	-.021	36
109	MP4B	X	-65.065	36
110	MP4B	Z	-37.565	36
111	MP4B	Mx	0	36
112	MP4C	X	-42.688	36
113	MP4C	Z	-24.646	36
114	MP4C	Mx	.021	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-34.452	60
2	MP4A	Z	-59.672	60
3	MP4A	Mx	-.017	60
4	MP4B	X	-34.452	60
5	MP4B	Z	-59.672	60
6	MP4B	Mx	-.017	60
7	MP4C	X	-25.111	60
8	MP4C	Z	-43.493	60
9	MP4C	Mx	.025	60
10	MP1B	X	-33.218	12
11	MP1B	Z	-57.536	12
12	MP1B	Mx	.025	12
13	MP1B	X	-33.218	48
14	MP1B	Z	-57.536	48
15	MP1B	Mx	.025	48
16	MP1C	X	-54.227	12
17	MP1C	Z	-93.925	12
18	MP1C	Mx	-.081	12
19	MP1C	X	-54.227	48
20	MP1C	Z	-93.925	48
21	MP1C	Mx	-.081	48
22	MP5B	X	-33.218	12
23	MP5B	Z	-57.536	12
24	MP5B	Mx	.025	12
25	MP5B	X	-33.218	48
26	MP5B	Z	-57.536	48
27	MP5B	Mx	.025	48
28	MP5C	X	-54.227	12
29	MP5C	Z	-93.925	12
30	MP5C	Mx	-.081	12
31	MP5C	X	-54.227	48
32	MP5C	Z	-93.925	48
33	MP5C	Mx	-.081	48
34	MP1A	X	-33.218	12
35	MP1A	Z	-57.536	12
36	MP1A	Mx	.025	12
37	MP1A	X	-33.218	48
38	MP1A	Z	-57.536	48
39	MP1A	Mx	.025	48
40	MP5A	X	-33.218	12
41	MP5A	Z	-57.536	12
42	MP5A	Mx	.025	12
43	MP5A	X	-33.218	48
44	MP5A	Z	-57.536	48
45	MP5A	Mx	.025	48
46	MP4A	X	-75.021	12
47	MP4A	Z	-129.94	12
48	MP4A	Mx	.143	12
49	MP4A	X	-75.021	66
50	MP4A	Z	-129.94	66
51	MP4A	Mx	.143	66
52	MP4B	X	-75.021	12
53	MP4B	Z	-129.94	12
54	MP4B	Mx	.143	12
55	MP4B	X	-75.021	66
56	MP4B	Z	-129.94	66
57	MP4B	Mx	.143	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-75.021	12
59	MP4C	Z	-129.94	12
60	MP4C	Mx	.143	12
61	MP4C	X	-75.021	66
62	MP4C	Z	-129.94	66
63	MP4C	Mx	.143	66
64	MP4A	X	-75.021	12
65	MP4A	Z	-129.94	12
66	MP4A	Mx	-.03	12
67	MP4A	X	-75.021	66
68	MP4A	Z	-129.94	66
69	MP4A	Mx	-.03	66
70	MP4B	X	-75.021	12
71	MP4B	Z	-129.94	12
72	MP4B	Mx	-.03	12
73	MP4B	X	-75.021	66
74	MP4B	Z	-129.94	66
75	MP4B	Mx	-.03	66
76	MP4C	X	-75.021	12
77	MP4C	Z	-129.94	12
78	MP4C	Mx	-.03	12
79	MP4C	X	-75.021	66
80	MP4C	Z	-129.94	66
81	MP4C	Mx	-.03	66
82	OVP1	X	-81.559	6
83	OVP1	Z	-141.265	6
84	OVP1	Mx	0	6
85	OVP2	X	-81.559	6
86	OVP2	Z	-141.265	6
87	OVP2	Mx	0	6
88	MP2A	X	-40.026	36
89	MP2A	Z	-69.328	36
90	MP2A	Mx	.027	36
91	MP2A	X	-40.026	60
92	MP2A	Z	-69.328	60
93	MP2A	Mx	.027	60
94	MP2B	X	-40.026	36
95	MP2B	Z	-69.328	36
96	MP2B	Mx	.027	36
97	MP2B	X	-40.026	60
98	MP2B	Z	-69.328	60
99	MP2B	Mx	.027	60
100	MP2C	X	-18.482	36
101	MP2C	Z	-32.011	36
102	MP2C	Mx	-.025	36
103	MP2C	X	-18.482	60
104	MP2C	Z	-32.011	60
105	MP2C	Mx	-.025	60
106	MP4A	X	-33.259	36
107	MP4A	Z	-57.606	36
108	MP4A	Mx	-.017	36
109	MP4B	X	-33.259	36
110	MP4B	Z	-57.606	36
111	MP4B	Mx	-.017	36
112	MP4C	X	-20.34	36
113	MP4C	Z	-35.229	36
114	MP4C	Mx	.02	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	-18.228	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	-14.255	60
6	MP4B	Mx	-.006	60
7	MP4C	X	0	60
8	MP4C	Z	-14.255	60
9	MP4C	Mx	.006	60
10	MP1B	X	0	12
11	MP1B	Z	-21.132	12
12	MP1B	Mx	.014	12
13	MP1B	X	0	48
14	MP1B	Z	-21.132	48
15	MP1B	Mx	.014	48
16	MP1C	X	0	12
17	MP1C	Z	-21.132	12
18	MP1C	Mx	-.014	12
19	MP1C	X	0	48
20	MP1C	Z	-21.132	48
21	MP1C	Mx	-.014	48
22	MP5B	X	0	12
23	MP5B	Z	-21.132	12
24	MP5B	Mx	.014	12
25	MP5B	X	0	48
26	MP5B	Z	-21.132	48
27	MP5B	Mx	.014	48
28	MP5C	X	0	12
29	MP5C	Z	-21.132	12
30	MP5C	Mx	-.014	12
31	MP5C	X	0	48
32	MP5C	Z	-21.132	48
33	MP5C	Mx	-.014	48
34	MP1A	X	0	12
35	MP1A	Z	-12.919	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	-12.919	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	-12.919	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	-12.919	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	-35.297	12
48	MP4A	Mx	.024	12
49	MP4A	X	0	66
50	MP4A	Z	-35.297	66
51	MP4A	Mx	.024	66
52	MP4B	X	0	12
53	MP4B	Z	-35.297	12
54	MP4B	Mx	.024	12
55	MP4B	X	0	66
56	MP4B	Z	-35.297	66
57	MP4B	Mx	.024	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	-35.297	12
60	MP4C	Mx	.024	12
61	MP4C	X	0	66
62	MP4C	Z	-35.297	66
63	MP4C	Mx	.024	66
64	MP4A	X	0	12
65	MP4A	Z	-35.297	12
66	MP4A	Mx	-.024	12
67	MP4A	X	0	66
68	MP4A	Z	-35.297	66
69	MP4A	Mx	-.024	66
70	MP4B	X	0	12
71	MP4B	Z	-35.297	12
72	MP4B	Mx	-.024	12
73	MP4B	X	0	66
74	MP4B	Z	-35.297	66
75	MP4B	Mx	-.024	66
76	MP4C	X	0	12
77	MP4C	Z	-35.297	12
78	MP4C	Mx	-.024	12
79	MP4C	X	0	66
80	MP4C	Z	-35.297	66
81	MP4C	Mx	-.024	66
82	OVP1	X	0	6
83	OVP1	Z	-34.62	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	-34.62	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	-21.032	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	-21.032	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	-12.269	36
96	MP2B	Mx	.007	36
97	MP2B	X	0	60
98	MP2B	Z	-12.269	60
99	MP2B	Mx	.007	60
100	MP2C	X	0	36
101	MP2C	Z	-12.269	36
102	MP2C	Mx	-.007	36
103	MP2C	X	0	60
104	MP2C	Z	-12.269	60
105	MP2C	Mx	-.007	60
106	MP4A	X	0	36
107	MP4A	Z	-18.228	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	-12.745	36
111	MP4B	Mx	-.006	36
112	MP4C	X	0	36
113	MP4C	Z	-12.745	36
114	MP4C	Mx	.006	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	8.452	60
2	MP4A	Z	-14.639	60
3	MP4A	Mx	.004	60
4	MP4B	X	6.465	60
5	MP4B	Z	-11.198	60
6	MP4B	Mx	-.006	60
7	MP4C	X	8.452	60
8	MP4C	Z	-14.639	60
9	MP4C	Mx	.004	60
10	MP1B	X	11.935	12
11	MP1B	Z	-20.672	12
12	MP1B	Mx	.018	12
13	MP1B	X	11.935	48
14	MP1B	Z	-20.672	48
15	MP1B	Mx	.018	48
16	MP1C	X	7.828	12
17	MP1C	Z	-13.559	12
18	MP1C	Mx	-.006	12
19	MP1C	X	7.828	48
20	MP1C	Z	-13.559	48
21	MP1C	Mx	-.006	48
22	MP5B	X	11.935	12
23	MP5B	Z	-20.672	12
24	MP5B	Mx	.018	12
25	MP5B	X	11.935	48
26	MP5B	Z	-20.672	48
27	MP5B	Mx	.018	48
28	MP5C	X	7.828	12
29	MP5C	Z	-13.559	12
30	MP5C	Mx	-.006	12
31	MP5C	X	7.828	48
32	MP5C	Z	-13.559	48
33	MP5C	Mx	-.006	48
34	MP1A	X	7.828	12
35	MP1A	Z	-13.559	12
36	MP1A	Mx	-.006	12
37	MP1A	X	7.828	48
38	MP1A	Z	-13.559	48
39	MP1A	Mx	-.006	48
40	MP5A	X	7.828	12
41	MP5A	Z	-13.559	12
42	MP5A	Mx	-.006	12
43	MP5A	X	7.828	48
44	MP5A	Z	-13.559	48
45	MP5A	Mx	-.006	48
46	MP4A	X	16.34	12
47	MP4A	Z	-28.301	12
48	MP4A	Mx	.007	12
49	MP4A	X	16.34	66
50	MP4A	Z	-28.301	66
51	MP4A	Mx	.007	66
52	MP4B	X	16.34	12
53	MP4B	Z	-28.301	12
54	MP4B	Mx	.007	12
55	MP4B	X	16.34	66
56	MP4B	Z	-28.301	66
57	MP4B	Mx	.007	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	16.34	12
59	MP4C	Z	-28.301	12
60	MP4C	Mx	.007	12
61	MP4C	X	16.34	66
62	MP4C	Z	-28.301	66
63	MP4C	Mx	.007	66
64	MP4A	X	16.34	12
65	MP4A	Z	-28.301	12
66	MP4A	Mx	-.031	12
67	MP4A	X	16.34	66
68	MP4A	Z	-28.301	66
69	MP4A	Mx	-.031	66
70	MP4B	X	16.34	12
71	MP4B	Z	-28.301	12
72	MP4B	Mx	-.031	12
73	MP4B	X	16.34	66
74	MP4B	Z	-28.301	66
75	MP4B	Mx	-.031	66
76	MP4C	X	16.34	12
77	MP4C	Z	-28.301	12
78	MP4C	Mx	-.031	12
79	MP4C	X	16.34	66
80	MP4C	Z	-28.301	66
81	MP4C	Mx	-.031	66
82	OVP1	X	15.398	6
83	OVP1	Z	-26.67	6
84	OVP1	Mx	0	6
85	OVP2	X	15.398	6
86	OVP2	Z	-26.67	6
87	OVP2	Mx	0	6
88	MP2A	X	9.056	36
89	MP2A	Z	-15.685	36
90	MP2A	Mx	-.006	36
91	MP2A	X	9.056	60
92	MP2A	Z	-15.685	60
93	MP2A	Mx	-.006	60
94	MP2B	X	4.674	36
95	MP2B	Z	-8.096	36
96	MP2B	Mx	.006	36
97	MP2B	X	4.674	60
98	MP2B	Z	-8.096	60
99	MP2B	Mx	.006	60
100	MP2C	X	9.056	36
101	MP2C	Z	-15.685	36
102	MP2C	Mx	-.006	36
103	MP2C	X	9.056	60
104	MP2C	Z	-15.685	60
105	MP2C	Mx	-.006	60
106	MP4A	X	8.2	36
107	MP4A	Z	-14.203	36
108	MP4A	Mx	.004	36
109	MP4B	X	5.459	36
110	MP4B	Z	-9.455	36
111	MP4B	Mx	-.005	36
112	MP4C	X	8.2	36
113	MP4C	Z	-14.203	36
114	MP4C	Mx	.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	12.345	60
2	MP4A	Z	-7.128	60
3	MP4A	Mx	.006	60
4	MP4B	X	12.345	60
5	MP4B	Z	-7.128	60
6	MP4B	Mx	-.006	60
7	MP4C	X	15.786	60
8	MP4C	Z	-9.114	60
9	MP4C	Mx	0	60
10	MP1B	X	18.301	12
11	MP1B	Z	-10.566	12
12	MP1B	Mx	.014	12
13	MP1B	X	18.301	48
14	MP1B	Z	-10.566	48
15	MP1B	Mx	.014	48
16	MP1C	X	11.188	12
17	MP1C	Z	-6.459	12
18	MP1C	Mx	0	12
19	MP1C	X	11.188	48
20	MP1C	Z	-6.459	48
21	MP1C	Mx	0	48
22	MP5B	X	18.301	12
23	MP5B	Z	-10.566	12
24	MP5B	Mx	.014	12
25	MP5B	X	18.301	48
26	MP5B	Z	-10.566	48
27	MP5B	Mx	.014	48
28	MP5C	X	11.188	12
29	MP5C	Z	-6.459	12
30	MP5C	Mx	0	12
31	MP5C	X	11.188	48
32	MP5C	Z	-6.459	48
33	MP5C	Mx	0	48
34	MP1A	X	18.301	12
35	MP1A	Z	-10.566	12
36	MP1A	Mx	-.014	12
37	MP1A	X	18.301	48
38	MP1A	Z	-10.566	48
39	MP1A	Mx	-.014	48
40	MP5A	X	18.301	12
41	MP5A	Z	-10.566	12
42	MP5A	Mx	-.014	12
43	MP5A	X	18.301	48
44	MP5A	Z	-10.566	48
45	MP5A	Mx	-.014	48
46	MP4A	X	23.768	12
47	MP4A	Z	-13.722	12
48	MP4A	Mx	-.009	12
49	MP4A	X	23.768	66
50	MP4A	Z	-13.722	66
51	MP4A	Mx	-.009	66
52	MP4B	X	23.768	12
53	MP4B	Z	-13.722	12
54	MP4B	Mx	-.009	12
55	MP4B	X	23.768	66
56	MP4B	Z	-13.722	66
57	MP4B	Mx	-.009	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	23.768	12
59	MP4C	Z	-13.722	12
60	MP4C	Mx	-.009	12
61	MP4C	X	23.768	66
62	MP4C	Z	-13.722	66
63	MP4C	Mx	-.009	66
64	MP4A	X	23.768	12
65	MP4A	Z	-13.722	12
66	MP4A	Mx	-.027	12
67	MP4A	X	23.768	66
68	MP4A	Z	-13.722	66
69	MP4A	Mx	-.027	66
70	MP4B	X	23.768	12
71	MP4B	Z	-13.722	12
72	MP4B	Mx	-.027	12
73	MP4B	X	23.768	66
74	MP4B	Z	-13.722	66
75	MP4B	Mx	-.027	66
76	MP4C	X	23.768	12
77	MP4C	Z	-13.722	12
78	MP4C	Mx	-.027	12
79	MP4C	X	23.768	66
80	MP4C	Z	-13.722	66
81	MP4C	Mx	-.027	66
82	OVP1	X	25.013	6
83	OVP1	Z	-14.441	6
84	OVP1	Mx	0	6
85	OVP2	X	25.013	6
86	OVP2	Z	-14.441	6
87	OVP2	Mx	0	6
88	MP2A	X	10.625	36
89	MP2A	Z	-6.135	36
90	MP2A	Mx	-.007	36
91	MP2A	X	10.625	60
92	MP2A	Z	-6.135	60
93	MP2A	Mx	-.007	60
94	MP2B	X	10.625	36
95	MP2B	Z	-6.135	36
96	MP2B	Mx	.007	36
97	MP2B	X	10.625	60
98	MP2B	Z	-6.135	60
99	MP2B	Mx	.007	60
100	MP2C	X	18.214	36
101	MP2C	Z	-10.516	36
102	MP2C	Mx	0	36
103	MP2C	X	18.214	60
104	MP2C	Z	-10.516	60
105	MP2C	Mx	0	60
106	MP4A	X	11.038	36
107	MP4A	Z	-6.373	36
108	MP4A	Mx	.006	36
109	MP4B	X	11.038	36
110	MP4B	Z	-6.373	36
111	MP4B	Mx	-.006	36
112	MP4C	X	15.786	36
113	MP4C	Z	-9.114	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	12.931	60
2	MP4A	Z	0	60
3	MP4A	Mx	.006	60
4	MP4B	X	16.904	60
5	MP4B	Z	0	60
6	MP4B	Mx	-.004	60
7	MP4C	X	16.904	60
8	MP4C	Z	0	60
9	MP4C	Mx	-.004	60
10	MP1B	X	15.656	12
11	MP1B	Z	0	12
12	MP1B	Mx	.006	12
13	MP1B	X	15.656	48
14	MP1B	Z	0	48
15	MP1B	Mx	.006	48
16	MP1C	X	15.656	12
17	MP1C	Z	0	12
18	MP1C	Mx	.006	12
19	MP1C	X	15.656	48
20	MP1C	Z	0	48
21	MP1C	Mx	.006	48
22	MP5B	X	15.656	12
23	MP5B	Z	0	12
24	MP5B	Mx	.006	12
25	MP5B	X	15.656	48
26	MP5B	Z	0	48
27	MP5B	Mx	.006	48
28	MP5C	X	15.656	12
29	MP5C	Z	0	12
30	MP5C	Mx	.006	12
31	MP5C	X	15.656	48
32	MP5C	Z	0	48
33	MP5C	Mx	.006	48
34	MP1A	X	23.87	12
35	MP1A	Z	0	12
36	MP1A	Mx	-.018	12
37	MP1A	X	23.87	48
38	MP1A	Z	0	48
39	MP1A	Mx	-.018	48
40	MP5A	X	23.87	12
41	MP5A	Z	0	12
42	MP5A	Mx	-.018	12
43	MP5A	X	23.87	48
44	MP5A	Z	0	48
45	MP5A	Mx	-.018	48
46	MP4A	X	24.828	12
47	MP4A	Z	0	12
48	MP4A	Mx	-.019	12
49	MP4A	X	24.828	66
50	MP4A	Z	0	66
51	MP4A	Mx	-.019	66
52	MP4B	X	24.828	12
53	MP4B	Z	0	12
54	MP4B	Mx	-.019	12
55	MP4B	X	24.828	66
56	MP4B	Z	0	66
57	MP4B	Mx	-.019	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	24.828	12
59	MP4C	Z	0	12
60	MP4C	Mx	-.019	12
61	MP4C	X	24.828	66
62	MP4C	Z	0	66
63	MP4C	Mx	-.019	66
64	MP4A	X	24.828	12
65	MP4A	Z	0	12
66	MP4A	Mx	-.019	12
67	MP4A	X	24.828	66
68	MP4A	Z	0	66
69	MP4A	Mx	-.019	66
70	MP4B	X	24.828	12
71	MP4B	Z	0	12
72	MP4B	Mx	-.019	12
73	MP4B	X	24.828	66
74	MP4B	Z	0	66
75	MP4B	Mx	-.019	66
76	MP4C	X	24.828	12
77	MP4C	Z	0	12
78	MP4C	Mx	-.019	12
79	MP4C	X	24.828	66
80	MP4C	Z	0	66
81	MP4C	Mx	-.019	66
82	OVP1	X	30.795	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	30.795	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	9.348	36
89	MP2A	Z	0	36
90	MP2A	Mx	-.006	36
91	MP2A	X	9.348	60
92	MP2A	Z	0	60
93	MP2A	Mx	-.006	60
94	MP2B	X	18.111	36
95	MP2B	Z	0	36
96	MP2B	Mx	.006	36
97	MP2B	X	18.111	60
98	MP2B	Z	0	60
99	MP2B	Mx	.006	60
100	MP2C	X	18.111	36
101	MP2C	Z	0	36
102	MP2C	Mx	.006	36
103	MP2C	X	18.111	60
104	MP2C	Z	0	60
105	MP2C	Mx	.006	60
106	MP4A	X	10.918	36
107	MP4A	Z	0	36
108	MP4A	Mx	.005	36
109	MP4B	X	16.401	36
110	MP4B	Z	0	36
111	MP4B	Mx	-.004	36
112	MP4C	X	16.401	36
113	MP4C	Z	0	36
114	MP4C	Mx	-.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	12.345	60
2	MP4A	Z	7.128	60
3	MP4A	Mx	.006	60
4	MP4B	X	15.786	60
5	MP4B	Z	9.114	60
6	MP4B	Mx	0	60
7	MP4C	X	12.345	60
8	MP4C	Z	7.128	60
9	MP4C	Mx	-.006	60
10	MP1B	X	11.188	12
11	MP1B	Z	6.459	12
12	MP1B	Mx	0	12
13	MP1B	X	11.188	48
14	MP1B	Z	6.459	48
15	MP1B	Mx	0	48
16	MP1C	X	18.301	12
17	MP1C	Z	10.566	12
18	MP1C	Mx	.014	12
19	MP1C	X	18.301	48
20	MP1C	Z	10.566	48
21	MP1C	Mx	.014	48
22	MP5B	X	11.188	12
23	MP5B	Z	6.459	12
24	MP5B	Mx	0	12
25	MP5B	X	11.188	48
26	MP5B	Z	6.459	48
27	MP5B	Mx	0	48
28	MP5C	X	18.301	12
29	MP5C	Z	10.566	12
30	MP5C	Mx	.014	12
31	MP5C	X	18.301	48
32	MP5C	Z	10.566	48
33	MP5C	Mx	.014	48
34	MP1A	X	18.301	12
35	MP1A	Z	10.566	12
36	MP1A	Mx	-.014	12
37	MP1A	X	18.301	48
38	MP1A	Z	10.566	48
39	MP1A	Mx	-.014	48
40	MP5A	X	18.301	12
41	MP5A	Z	10.566	12
42	MP5A	Mx	-.014	12
43	MP5A	X	18.301	48
44	MP5A	Z	10.566	48
45	MP5A	Mx	-.014	48
46	MP4A	X	23.768	12
47	MP4A	Z	13.722	12
48	MP4A	Mx	-.027	12
49	MP4A	X	23.768	66
50	MP4A	Z	13.722	66
51	MP4A	Mx	-.027	66
52	MP4B	X	23.768	12
53	MP4B	Z	13.722	12
54	MP4B	Mx	-.027	12
55	MP4B	X	23.768	66
56	MP4B	Z	13.722	66
57	MP4B	Mx	-.027	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	23.768	12
59	MP4C	Z	13.722	12
60	MP4C	Mx	-.027	12
61	MP4C	X	23.768	66
62	MP4C	Z	13.722	66
63	MP4C	Mx	-.027	66
64	MP4A	X	23.768	12
65	MP4A	Z	13.722	12
66	MP4A	Mx	-.009	12
67	MP4A	X	23.768	66
68	MP4A	Z	13.722	66
69	MP4A	Mx	-.009	66
70	MP4B	X	23.768	12
71	MP4B	Z	13.722	12
72	MP4B	Mx	-.009	12
73	MP4B	X	23.768	66
74	MP4B	Z	13.722	66
75	MP4B	Mx	-.009	66
76	MP4C	X	23.768	12
77	MP4C	Z	13.722	12
78	MP4C	Mx	-.009	12
79	MP4C	X	23.768	66
80	MP4C	Z	13.722	66
81	MP4C	Mx	-.009	66
82	OVP1	X	29.982	6
83	OVP1	Z	17.31	6
84	OVP1	Mx	0	6
85	OVP2	X	29.982	6
86	OVP2	Z	17.31	6
87	OVP2	Mx	0	6
88	MP2A	X	10.625	36
89	MP2A	Z	6.135	36
90	MP2A	Mx	-.007	36
91	MP2A	X	10.625	60
92	MP2A	Z	6.135	60
93	MP2A	Mx	-.007	60
94	MP2B	X	18.214	36
95	MP2B	Z	10.516	36
96	MP2B	Mx	0	36
97	MP2B	X	18.214	60
98	MP2B	Z	10.516	60
99	MP2B	Mx	0	60
100	MP2C	X	10.625	36
101	MP2C	Z	6.135	36
102	MP2C	Mx	.007	36
103	MP2C	X	10.625	60
104	MP2C	Z	6.135	60
105	MP2C	Mx	.007	60
106	MP4A	X	11.038	36
107	MP4A	Z	6.373	36
108	MP4A	Mx	.006	36
109	MP4B	X	15.786	36
110	MP4B	Z	9.114	36
111	MP4B	Mx	0	36
112	MP4C	X	11.038	36
113	MP4C	Z	6.373	36
114	MP4C	Mx	-.006	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	8.452	60
2	MP4A	Z	14.639	60
3	MP4A	Mx	.004	60
4	MP4B	X	8.452	60
5	MP4B	Z	14.639	60
6	MP4B	Mx	.004	60
7	MP4C	X	6.465	60
8	MP4C	Z	11.198	60
9	MP4C	Mx	-.006	60
10	MP1B	X	7.828	12
11	MP1B	Z	13.559	12
12	MP1B	Mx	-.006	12
13	MP1B	X	7.828	48
14	MP1B	Z	13.559	48
15	MP1B	Mx	-.006	48
16	MP1C	X	11.935	12
17	MP1C	Z	20.672	12
18	MP1C	Mx	.018	12
19	MP1C	X	11.935	48
20	MP1C	Z	20.672	48
21	MP1C	Mx	.018	48
22	MP5B	X	7.828	12
23	MP5B	Z	13.559	12
24	MP5B	Mx	-.006	12
25	MP5B	X	7.828	48
26	MP5B	Z	13.559	48
27	MP5B	Mx	-.006	48
28	MP5C	X	11.935	12
29	MP5C	Z	20.672	12
30	MP5C	Mx	.018	12
31	MP5C	X	11.935	48
32	MP5C	Z	20.672	48
33	MP5C	Mx	.018	48
34	MP1A	X	7.828	12
35	MP1A	Z	13.559	12
36	MP1A	Mx	-.006	12
37	MP1A	X	7.828	48
38	MP1A	Z	13.559	48
39	MP1A	Mx	-.006	48
40	MP5A	X	7.828	12
41	MP5A	Z	13.559	12
42	MP5A	Mx	-.006	12
43	MP5A	X	7.828	48
44	MP5A	Z	13.559	48
45	MP5A	Mx	-.006	48
46	MP4A	X	16.34	12
47	MP4A	Z	28.301	12
48	MP4A	Mx	-.031	12
49	MP4A	X	16.34	66
50	MP4A	Z	28.301	66
51	MP4A	Mx	-.031	66
52	MP4B	X	16.34	12
53	MP4B	Z	28.301	12
54	MP4B	Mx	-.031	12
55	MP4B	X	16.34	66
56	MP4B	Z	28.301	66
57	MP4B	Mx	-.031	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	16.34	12
59	MP4C	Z	28.301	12
60	MP4C	Mx	-.031	12
61	MP4C	X	16.34	66
62	MP4C	Z	28.301	66
63	MP4C	Mx	-.031	66
64	MP4A	X	16.34	12
65	MP4A	Z	28.301	12
66	MP4A	Mx	.007	12
67	MP4A	X	16.34	66
68	MP4A	Z	28.301	66
69	MP4A	Mx	.007	66
70	MP4B	X	16.34	12
71	MP4B	Z	28.301	12
72	MP4B	Mx	.007	12
73	MP4B	X	16.34	66
74	MP4B	Z	28.301	66
75	MP4B	Mx	.007	66
76	MP4C	X	16.34	12
77	MP4C	Z	28.301	12
78	MP4C	Mx	.007	12
79	MP4C	X	16.34	66
80	MP4C	Z	28.301	66
81	MP4C	Mx	.007	66
82	OVP1	X	18.266	6
83	OVP1	Z	31.638	6
84	OVP1	Mx	0	6
85	OVP2	X	18.266	6
86	OVP2	Z	31.638	6
87	OVP2	Mx	0	6
88	MP2A	X	9.056	36
89	MP2A	Z	15.685	36
90	MP2A	Mx	-.006	36
91	MP2A	X	9.056	60
92	MP2A	Z	15.685	60
93	MP2A	Mx	-.006	60
94	MP2B	X	9.056	36
95	MP2B	Z	15.685	36
96	MP2B	Mx	-.006	36
97	MP2B	X	9.056	60
98	MP2B	Z	15.685	60
99	MP2B	Mx	-.006	60
100	MP2C	X	4.674	36
101	MP2C	Z	8.096	36
102	MP2C	Mx	.006	36
103	MP2C	X	4.674	60
104	MP2C	Z	8.096	60
105	MP2C	Mx	.006	60
106	MP4A	X	8.2	36
107	MP4A	Z	14.203	36
108	MP4A	Mx	.004	36
109	MP4B	X	8.2	36
110	MP4B	Z	14.203	36
111	MP4B	Mx	.004	36
112	MP4C	X	5.459	36
113	MP4C	Z	9.455	36
114	MP4C	Mx	-.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	18.228	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	14.255	60
6	MP4B	Mx	.006	60
7	MP4C	X	0	60
8	MP4C	Z	14.255	60
9	MP4C	Mx	-.006	60
10	MP1B	X	0	12
11	MP1B	Z	21.132	12
12	MP1B	Mx	-.014	12
13	MP1B	X	0	48
14	MP1B	Z	21.132	48
15	MP1B	Mx	-.014	48
16	MP1C	X	0	12
17	MP1C	Z	21.132	12
18	MP1C	Mx	.014	12
19	MP1C	X	0	48
20	MP1C	Z	21.132	48
21	MP1C	Mx	.014	48
22	MP5B	X	0	12
23	MP5B	Z	21.132	12
24	MP5B	Mx	-.014	12
25	MP5B	X	0	48
26	MP5B	Z	21.132	48
27	MP5B	Mx	-.014	48
28	MP5C	X	0	12
29	MP5C	Z	21.132	12
30	MP5C	Mx	.014	12
31	MP5C	X	0	48
32	MP5C	Z	21.132	48
33	MP5C	Mx	.014	48
34	MP1A	X	0	12
35	MP1A	Z	12.919	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	12.919	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	12.919	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	12.919	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	35.297	12
48	MP4A	Mx	-.024	12
49	MP4A	X	0	66
50	MP4A	Z	35.297	66
51	MP4A	Mx	-.024	66
52	MP4B	X	0	12
53	MP4B	Z	35.297	12
54	MP4B	Mx	-.024	12
55	MP4B	X	0	66
56	MP4B	Z	35.297	66
57	MP4B	Mx	-.024	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	35.297	12
60	MP4C	Mx	-.024	12
61	MP4C	X	0	66
62	MP4C	Z	35.297	66
63	MP4C	Mx	-.024	66
64	MP4A	X	0	12
65	MP4A	Z	35.297	12
66	MP4A	Mx	.024	12
67	MP4A	X	0	66
68	MP4A	Z	35.297	66
69	MP4A	Mx	.024	66
70	MP4B	X	0	12
71	MP4B	Z	35.297	12
72	MP4B	Mx	.024	12
73	MP4B	X	0	66
74	MP4B	Z	35.297	66
75	MP4B	Mx	.024	66
76	MP4C	X	0	12
77	MP4C	Z	35.297	12
78	MP4C	Mx	.024	12
79	MP4C	X	0	66
80	MP4C	Z	35.297	66
81	MP4C	Mx	.024	66
82	OVP1	X	0	6
83	OVP1	Z	34.62	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	34.62	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	21.032	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	21.032	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	12.269	36
96	MP2B	Mx	-.007	36
97	MP2B	X	0	60
98	MP2B	Z	12.269	60
99	MP2B	Mx	-.007	60
100	MP2C	X	0	36
101	MP2C	Z	12.269	36
102	MP2C	Mx	.007	36
103	MP2C	X	0	60
104	MP2C	Z	12.269	60
105	MP2C	Mx	.007	60
106	MP4A	X	0	36
107	MP4A	Z	18.228	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	12.745	36
111	MP4B	Mx	.006	36
112	MP4C	X	0	36
113	MP4C	Z	12.745	36
114	MP4C	Mx	-.006	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-8.452	60
2	MP4A	Z	14.639	60
3	MP4A	Mx	-.004	60
4	MP4B	X	-6.465	60
5	MP4B	Z	11.198	60
6	MP4B	Mx	.006	60
7	MP4C	X	-8.452	60
8	MP4C	Z	14.639	60
9	MP4C	Mx	-.004	60
10	MP1B	X	-11.935	12
11	MP1B	Z	20.672	12
12	MP1B	Mx	-.018	12
13	MP1B	X	-11.935	48
14	MP1B	Z	20.672	48
15	MP1B	Mx	-.018	48
16	MP1C	X	-7.828	12
17	MP1C	Z	13.559	12
18	MP1C	Mx	.006	12
19	MP1C	X	-7.828	48
20	MP1C	Z	13.559	48
21	MP1C	Mx	.006	48
22	MP5B	X	-11.935	12
23	MP5B	Z	20.672	12
24	MP5B	Mx	-.018	12
25	MP5B	X	-11.935	48
26	MP5B	Z	20.672	48
27	MP5B	Mx	-.018	48
28	MP5C	X	-7.828	12
29	MP5C	Z	13.559	12
30	MP5C	Mx	.006	12
31	MP5C	X	-7.828	48
32	MP5C	Z	13.559	48
33	MP5C	Mx	.006	48
34	MP1A	X	-7.828	12
35	MP1A	Z	13.559	12
36	MP1A	Mx	.006	12
37	MP1A	X	-7.828	48
38	MP1A	Z	13.559	48
39	MP1A	Mx	.006	48
40	MP5A	X	-7.828	12
41	MP5A	Z	13.559	12
42	MP5A	Mx	.006	12
43	MP5A	X	-7.828	48
44	MP5A	Z	13.559	48
45	MP5A	Mx	.006	48
46	MP4A	X	-16.34	12
47	MP4A	Z	28.301	12
48	MP4A	Mx	-.007	12
49	MP4A	X	-16.34	66
50	MP4A	Z	28.301	66
51	MP4A	Mx	-.007	66
52	MP4B	X	-16.34	12
53	MP4B	Z	28.301	12
54	MP4B	Mx	-.007	12
55	MP4B	X	-16.34	66
56	MP4B	Z	28.301	66
57	MP4B	Mx	-.007	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-16.34	12
59	MP4C	Z	28.301	12
60	MP4C	Mx	-.007	12
61	MP4C	X	-16.34	66
62	MP4C	Z	28.301	66
63	MP4C	Mx	-.007	66
64	MP4A	X	-16.34	12
65	MP4A	Z	28.301	12
66	MP4A	Mx	.031	12
67	MP4A	X	-16.34	66
68	MP4A	Z	28.301	66
69	MP4A	Mx	.031	66
70	MP4B	X	-16.34	12
71	MP4B	Z	28.301	12
72	MP4B	Mx	.031	12
73	MP4B	X	-16.34	66
74	MP4B	Z	28.301	66
75	MP4B	Mx	.031	66
76	MP4C	X	-16.34	12
77	MP4C	Z	28.301	12
78	MP4C	Mx	.031	12
79	MP4C	X	-16.34	66
80	MP4C	Z	28.301	66
81	MP4C	Mx	.031	66
82	OVP1	X	-15.398	6
83	OVP1	Z	26.67	6
84	OVP1	Mx	0	6
85	OVP2	X	-15.398	6
86	OVP2	Z	26.67	6
87	OVP2	Mx	0	6
88	MP2A	X	-9.056	36
89	MP2A	Z	15.685	36
90	MP2A	Mx	.006	36
91	MP2A	X	-9.056	60
92	MP2A	Z	15.685	60
93	MP2A	Mx	.006	60
94	MP2B	X	-4.674	36
95	MP2B	Z	8.096	36
96	MP2B	Mx	-.006	36
97	MP2B	X	-4.674	60
98	MP2B	Z	8.096	60
99	MP2B	Mx	-.006	60
100	MP2C	X	-9.056	36
101	MP2C	Z	15.685	36
102	MP2C	Mx	.006	36
103	MP2C	X	-9.056	60
104	MP2C	Z	15.685	60
105	MP2C	Mx	.006	60
106	MP4A	X	-8.2	36
107	MP4A	Z	14.203	36
108	MP4A	Mx	-.004	36
109	MP4B	X	-5.459	36
110	MP4B	Z	9.455	36
111	MP4B	Mx	.005	36
112	MP4C	X	-8.2	36
113	MP4C	Z	14.203	36
114	MP4C	Mx	-.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-12.345	60
2	MP4A	Z	7.128	60
3	MP4A	Mx	-.006	60
4	MP4B	X	-12.345	60
5	MP4B	Z	7.128	60
6	MP4B	Mx	.006	60
7	MP4C	X	-15.786	60
8	MP4C	Z	9.114	60
9	MP4C	Mx	0	60
10	MP1B	X	-18.301	12
11	MP1B	Z	10.566	12
12	MP1B	Mx	-.014	12
13	MP1B	X	-18.301	48
14	MP1B	Z	10.566	48
15	MP1B	Mx	-.014	48
16	MP1C	X	-11.188	12
17	MP1C	Z	6.459	12
18	MP1C	Mx	0	12
19	MP1C	X	-11.188	48
20	MP1C	Z	6.459	48
21	MP1C	Mx	0	48
22	MP5B	X	-18.301	12
23	MP5B	Z	10.566	12
24	MP5B	Mx	-.014	12
25	MP5B	X	-18.301	48
26	MP5B	Z	10.566	48
27	MP5B	Mx	-.014	48
28	MP5C	X	-11.188	12
29	MP5C	Z	6.459	12
30	MP5C	Mx	0	12
31	MP5C	X	-11.188	48
32	MP5C	Z	6.459	48
33	MP5C	Mx	0	48
34	MP1A	X	-18.301	12
35	MP1A	Z	10.566	12
36	MP1A	Mx	.014	12
37	MP1A	X	-18.301	48
38	MP1A	Z	10.566	48
39	MP1A	Mx	.014	48
40	MP5A	X	-18.301	12
41	MP5A	Z	10.566	12
42	MP5A	Mx	.014	12
43	MP5A	X	-18.301	48
44	MP5A	Z	10.566	48
45	MP5A	Mx	.014	48
46	MP4A	X	-23.768	12
47	MP4A	Z	13.722	12
48	MP4A	Mx	.009	12
49	MP4A	X	-23.768	66
50	MP4A	Z	13.722	66
51	MP4A	Mx	.009	66
52	MP4B	X	-23.768	12
53	MP4B	Z	13.722	12
54	MP4B	Mx	.009	12
55	MP4B	X	-23.768	66
56	MP4B	Z	13.722	66
57	MP4B	Mx	.009	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-23.768	12
59	MP4C	Z	13.722	12
60	MP4C	Mx	.009	12
61	MP4C	X	-23.768	66
62	MP4C	Z	13.722	66
63	MP4C	Mx	.009	66
64	MP4A	X	-23.768	12
65	MP4A	Z	13.722	12
66	MP4A	Mx	.027	12
67	MP4A	X	-23.768	66
68	MP4A	Z	13.722	66
69	MP4A	Mx	.027	66
70	MP4B	X	-23.768	12
71	MP4B	Z	13.722	12
72	MP4B	Mx	.027	12
73	MP4B	X	-23.768	66
74	MP4B	Z	13.722	66
75	MP4B	Mx	.027	66
76	MP4C	X	-23.768	12
77	MP4C	Z	13.722	12
78	MP4C	Mx	.027	12
79	MP4C	X	-23.768	66
80	MP4C	Z	13.722	66
81	MP4C	Mx	.027	66
82	OVP1	X	-25.013	6
83	OVP1	Z	14.441	6
84	OVP1	Mx	0	6
85	OVP2	X	-25.013	6
86	OVP2	Z	14.441	6
87	OVP2	Mx	0	6
88	MP2A	X	-10.625	36
89	MP2A	Z	6.135	36
90	MP2A	Mx	.007	36
91	MP2A	X	-10.625	60
92	MP2A	Z	6.135	60
93	MP2A	Mx	.007	60
94	MP2B	X	-10.625	36
95	MP2B	Z	6.135	36
96	MP2B	Mx	-.007	36
97	MP2B	X	-10.625	60
98	MP2B	Z	6.135	60
99	MP2B	Mx	-.007	60
100	MP2C	X	-18.214	36
101	MP2C	Z	10.516	36
102	MP2C	Mx	0	36
103	MP2C	X	-18.214	60
104	MP2C	Z	10.516	60
105	MP2C	Mx	0	60
106	MP4A	X	-11.038	36
107	MP4A	Z	6.373	36
108	MP4A	Mx	-.006	36
109	MP4B	X	-11.038	36
110	MP4B	Z	6.373	36
111	MP4B	Mx	.006	36
112	MP4C	X	-15.786	36
113	MP4C	Z	9.114	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-12.931	60
2	MP4A	Z	0	60
3	MP4A	Mx	-.006	60
4	MP4B	X	-16.904	60
5	MP4B	Z	0	60
6	MP4B	Mx	.004	60
7	MP4C	X	-16.904	60
8	MP4C	Z	0	60
9	MP4C	Mx	.004	60
10	MP1B	X	-15.656	12
11	MP1B	Z	0	12
12	MP1B	Mx	-.006	12
13	MP1B	X	-15.656	48
14	MP1B	Z	0	48
15	MP1B	Mx	-.006	48
16	MP1C	X	-15.656	12
17	MP1C	Z	0	12
18	MP1C	Mx	-.006	12
19	MP1C	X	-15.656	48
20	MP1C	Z	0	48
21	MP1C	Mx	-.006	48
22	MP5B	X	-15.656	12
23	MP5B	Z	0	12
24	MP5B	Mx	-.006	12
25	MP5B	X	-15.656	48
26	MP5B	Z	0	48
27	MP5B	Mx	-.006	48
28	MP5C	X	-15.656	12
29	MP5C	Z	0	12
30	MP5C	Mx	-.006	12
31	MP5C	X	-15.656	48
32	MP5C	Z	0	48
33	MP5C	Mx	-.006	48
34	MP1A	X	-23.87	12
35	MP1A	Z	0	12
36	MP1A	Mx	.018	12
37	MP1A	X	-23.87	48
38	MP1A	Z	0	48
39	MP1A	Mx	.018	48
40	MP5A	X	-23.87	12
41	MP5A	Z	0	12
42	MP5A	Mx	.018	12
43	MP5A	X	-23.87	48
44	MP5A	Z	0	48
45	MP5A	Mx	.018	48
46	MP4A	X	-24.828	12
47	MP4A	Z	0	12
48	MP4A	Mx	.019	12
49	MP4A	X	-24.828	66
50	MP4A	Z	0	66
51	MP4A	Mx	.019	66
52	MP4B	X	-24.828	12
53	MP4B	Z	0	12
54	MP4B	Mx	.019	12
55	MP4B	X	-24.828	66
56	MP4B	Z	0	66
57	MP4B	Mx	.019	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-24.828	12
59	MP4C	Z	0	12
60	MP4C	Mx	.019	12
61	MP4C	X	-24.828	66
62	MP4C	Z	0	66
63	MP4C	Mx	.019	66
64	MP4A	X	-24.828	12
65	MP4A	Z	0	12
66	MP4A	Mx	.019	12
67	MP4A	X	-24.828	66
68	MP4A	Z	0	66
69	MP4A	Mx	.019	66
70	MP4B	X	-24.828	12
71	MP4B	Z	0	12
72	MP4B	Mx	.019	12
73	MP4B	X	-24.828	66
74	MP4B	Z	0	66
75	MP4B	Mx	.019	66
76	MP4C	X	-24.828	12
77	MP4C	Z	0	12
78	MP4C	Mx	.019	12
79	MP4C	X	-24.828	66
80	MP4C	Z	0	66
81	MP4C	Mx	.019	66
82	OVP1	X	-30.795	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	-30.795	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	-9.348	36
89	MP2A	Z	0	36
90	MP2A	Mx	.006	36
91	MP2A	X	-9.348	60
92	MP2A	Z	0	60
93	MP2A	Mx	.006	60
94	MP2B	X	-18.111	36
95	MP2B	Z	0	36
96	MP2B	Mx	-.006	36
97	MP2B	X	-18.111	60
98	MP2B	Z	0	60
99	MP2B	Mx	-.006	60
100	MP2C	X	-18.111	36
101	MP2C	Z	0	36
102	MP2C	Mx	-.006	36
103	MP2C	X	-18.111	60
104	MP2C	Z	0	60
105	MP2C	Mx	-.006	60
106	MP4A	X	-10.918	36
107	MP4A	Z	0	36
108	MP4A	Mx	-.005	36
109	MP4B	X	-16.401	36
110	MP4B	Z	0	36
111	MP4B	Mx	.004	36
112	MP4C	X	-16.401	36
113	MP4C	Z	0	36
114	MP4C	Mx	.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-12.345	60
2	MP4A	Z	-7.128	60
3	MP4A	Mx	-.006	60
4	MP4B	X	-15.786	60
5	MP4B	Z	-9.114	60
6	MP4B	Mx	0	60
7	MP4C	X	-12.345	60
8	MP4C	Z	-7.128	60
9	MP4C	Mx	.006	60
10	MP1B	X	-11.188	12
11	MP1B	Z	-6.459	12
12	MP1B	Mx	0	12
13	MP1B	X	-11.188	48
14	MP1B	Z	-6.459	48
15	MP1B	Mx	0	48
16	MP1C	X	-18.301	12
17	MP1C	Z	-10.566	12
18	MP1C	Mx	-.014	12
19	MP1C	X	-18.301	48
20	MP1C	Z	-10.566	48
21	MP1C	Mx	-.014	48
22	MP5B	X	-11.188	12
23	MP5B	Z	-6.459	12
24	MP5B	Mx	0	12
25	MP5B	X	-11.188	48
26	MP5B	Z	-6.459	48
27	MP5B	Mx	0	48
28	MP5C	X	-18.301	12
29	MP5C	Z	-10.566	12
30	MP5C	Mx	-.014	12
31	MP5C	X	-18.301	48
32	MP5C	Z	-10.566	48
33	MP5C	Mx	-.014	48
34	MP1A	X	-18.301	12
35	MP1A	Z	-10.566	12
36	MP1A	Mx	.014	12
37	MP1A	X	-18.301	48
38	MP1A	Z	-10.566	48
39	MP1A	Mx	.014	48
40	MP5A	X	-18.301	12
41	MP5A	Z	-10.566	12
42	MP5A	Mx	.014	12
43	MP5A	X	-18.301	48
44	MP5A	Z	-10.566	48
45	MP5A	Mx	.014	48
46	MP4A	X	-23.768	12
47	MP4A	Z	-13.722	12
48	MP4A	Mx	.027	12
49	MP4A	X	-23.768	66
50	MP4A	Z	-13.722	66
51	MP4A	Mx	.027	66
52	MP4B	X	-23.768	12
53	MP4B	Z	-13.722	12
54	MP4B	Mx	.027	12
55	MP4B	X	-23.768	66
56	MP4B	Z	-13.722	66
57	MP4B	Mx	.027	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-23.768	12
59	MP4C	Z	-13.722	12
60	MP4C	Mx	.027	12
61	MP4C	X	-23.768	66
62	MP4C	Z	-13.722	66
63	MP4C	Mx	.027	66
64	MP4A	X	-23.768	12
65	MP4A	Z	-13.722	12
66	MP4A	Mx	.009	12
67	MP4A	X	-23.768	66
68	MP4A	Z	-13.722	66
69	MP4A	Mx	.009	66
70	MP4B	X	-23.768	12
71	MP4B	Z	-13.722	12
72	MP4B	Mx	.009	12
73	MP4B	X	-23.768	66
74	MP4B	Z	-13.722	66
75	MP4B	Mx	.009	66
76	MP4C	X	-23.768	12
77	MP4C	Z	-13.722	12
78	MP4C	Mx	.009	12
79	MP4C	X	-23.768	66
80	MP4C	Z	-13.722	66
81	MP4C	Mx	.009	66
82	OVP1	X	-29.982	6
83	OVP1	Z	-17.31	6
84	OVP1	Mx	0	6
85	OVP2	X	-29.982	6
86	OVP2	Z	-17.31	6
87	OVP2	Mx	0	6
88	MP2A	X	-10.625	36
89	MP2A	Z	-6.135	36
90	MP2A	Mx	.007	36
91	MP2A	X	-10.625	60
92	MP2A	Z	-6.135	60
93	MP2A	Mx	.007	60
94	MP2B	X	-18.214	36
95	MP2B	Z	-10.516	36
96	MP2B	Mx	0	36
97	MP2B	X	-18.214	60
98	MP2B	Z	-10.516	60
99	MP2B	Mx	0	60
100	MP2C	X	-10.625	36
101	MP2C	Z	-6.135	36
102	MP2C	Mx	-.007	36
103	MP2C	X	-10.625	60
104	MP2C	Z	-6.135	60
105	MP2C	Mx	-.007	60
106	MP4A	X	-11.038	36
107	MP4A	Z	-6.373	36
108	MP4A	Mx	-.006	36
109	MP4B	X	-15.786	36
110	MP4B	Z	-9.114	36
111	MP4B	Mx	0	36
112	MP4C	X	-11.038	36
113	MP4C	Z	-6.373	36
114	MP4C	Mx	.006	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-8.452	60
2	MP4A	Z	-14.639	60
3	MP4A	Mx	-.004	60
4	MP4B	X	-8.452	60
5	MP4B	Z	-14.639	60
6	MP4B	Mx	-.004	60
7	MP4C	X	-6.465	60
8	MP4C	Z	-11.198	60
9	MP4C	Mx	.006	60
10	MP1B	X	-7.828	12
11	MP1B	Z	-13.559	12
12	MP1B	Mx	.006	12
13	MP1B	X	-7.828	48
14	MP1B	Z	-13.559	48
15	MP1B	Mx	.006	48
16	MP1C	X	-11.935	12
17	MP1C	Z	-20.672	12
18	MP1C	Mx	-.018	12
19	MP1C	X	-11.935	48
20	MP1C	Z	-20.672	48
21	MP1C	Mx	-.018	48
22	MP5B	X	-7.828	12
23	MP5B	Z	-13.559	12
24	MP5B	Mx	.006	12
25	MP5B	X	-7.828	48
26	MP5B	Z	-13.559	48
27	MP5B	Mx	.006	48
28	MP5C	X	-11.935	12
29	MP5C	Z	-20.672	12
30	MP5C	Mx	-.018	12
31	MP5C	X	-11.935	48
32	MP5C	Z	-20.672	48
33	MP5C	Mx	-.018	48
34	MP1A	X	-7.828	12
35	MP1A	Z	-13.559	12
36	MP1A	Mx	.006	12
37	MP1A	X	-7.828	48
38	MP1A	Z	-13.559	48
39	MP1A	Mx	.006	48
40	MP5A	X	-7.828	12
41	MP5A	Z	-13.559	12
42	MP5A	Mx	.006	12
43	MP5A	X	-7.828	48
44	MP5A	Z	-13.559	48
45	MP5A	Mx	.006	48
46	MP4A	X	-16.34	12
47	MP4A	Z	-28.301	12
48	MP4A	Mx	.031	12
49	MP4A	X	-16.34	66
50	MP4A	Z	-28.301	66
51	MP4A	Mx	.031	66
52	MP4B	X	-16.34	12
53	MP4B	Z	-28.301	12
54	MP4B	Mx	.031	12
55	MP4B	X	-16.34	66
56	MP4B	Z	-28.301	66
57	MP4B	Mx	.031	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-16.34	12
59	MP4C	Z	-28.301	12
60	MP4C	Mx	.031	12
61	MP4C	X	-16.34	66
62	MP4C	Z	-28.301	66
63	MP4C	Mx	.031	66
64	MP4A	X	-16.34	12
65	MP4A	Z	-28.301	12
66	MP4A	Mx	-.007	12
67	MP4A	X	-16.34	66
68	MP4A	Z	-28.301	66
69	MP4A	Mx	-.007	66
70	MP4B	X	-16.34	12
71	MP4B	Z	-28.301	12
72	MP4B	Mx	-.007	12
73	MP4B	X	-16.34	66
74	MP4B	Z	-28.301	66
75	MP4B	Mx	-.007	66
76	MP4C	X	-16.34	12
77	MP4C	Z	-28.301	12
78	MP4C	Mx	-.007	12
79	MP4C	X	-16.34	66
80	MP4C	Z	-28.301	66
81	MP4C	Mx	-.007	66
82	OVP1	X	-18.266	6
83	OVP1	Z	-31.638	6
84	OVP1	Mx	0	6
85	OVP2	X	-18.266	6
86	OVP2	Z	-31.638	6
87	OVP2	Mx	0	6
88	MP2A	X	-9.056	36
89	MP2A	Z	-15.685	36
90	MP2A	Mx	.006	36
91	MP2A	X	-9.056	60
92	MP2A	Z	-15.685	60
93	MP2A	Mx	.006	60
94	MP2B	X	-9.056	36
95	MP2B	Z	-15.685	36
96	MP2B	Mx	.006	36
97	MP2B	X	-9.056	60
98	MP2B	Z	-15.685	60
99	MP2B	Mx	.006	60
100	MP2C	X	-4.674	36
101	MP2C	Z	-8.096	36
102	MP2C	Mx	-.006	36
103	MP2C	X	-4.674	60
104	MP2C	Z	-8.096	60
105	MP2C	Mx	-.006	60
106	MP4A	X	-8.2	36
107	MP4A	Z	-14.203	36
108	MP4A	Mx	-.004	36
109	MP4B	X	-8.2	36
110	MP4B	Z	-14.203	36
111	MP4B	Mx	-.004	36
112	MP4C	X	-5.459	36
113	MP4C	Z	-9.455	36
114	MP4C	Mx	.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	-5.025	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	-3.776	60
6	MP4B	Mx	-.002	60
7	MP4C	X	0	60
8	MP4C	Z	-3.776	60
9	MP4C	Mx	.002	60
10	MP1B	X	0	12
11	MP1B	Z	-6.317	12
12	MP1B	Mx	.004	12
13	MP1B	X	0	48
14	MP1B	Z	-6.317	48
15	MP1B	Mx	.004	48
16	MP1C	X	0	12
17	MP1C	Z	-6.317	12
18	MP1C	Mx	-.004	12
19	MP1C	X	0	48
20	MP1C	Z	-6.317	48
21	MP1C	Mx	-.004	48
22	MP5B	X	0	12
23	MP5B	Z	-6.317	12
24	MP5B	Mx	.004	12
25	MP5B	X	0	48
26	MP5B	Z	-6.317	48
27	MP5B	Mx	.004	48
28	MP5C	X	0	12
29	MP5C	Z	-6.317	12
30	MP5C	Mx	-.004	12
31	MP5C	X	0	48
32	MP5C	Z	-6.317	48
33	MP5C	Mx	-.004	48
34	MP1A	X	0	12
35	MP1A	Z	-3.507	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	-3.507	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	-3.507	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	-3.507	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	-10.964	12
48	MP4A	Mx	.007	12
49	MP4A	X	0	66
50	MP4A	Z	-10.964	66
51	MP4A	Mx	.007	66
52	MP4B	X	0	12
53	MP4B	Z	-10.964	12
54	MP4B	Mx	.007	12
55	MP4B	X	0	66
56	MP4B	Z	-10.964	66
57	MP4B	Mx	.007	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	-10.964	12
60	MP4C	Mx	.007	12
61	MP4C	X	0	66
62	MP4C	Z	-10.964	66
63	MP4C	Mx	.007	66
64	MP4A	X	0	12
65	MP4A	Z	-10.964	12
66	MP4A	Mx	-.007	12
67	MP4A	X	0	66
68	MP4A	Z	-10.964	66
69	MP4A	Mx	-.007	66
70	MP4B	X	0	12
71	MP4B	Z	-10.964	12
72	MP4B	Mx	-.007	12
73	MP4B	X	0	66
74	MP4B	Z	-10.964	66
75	MP4B	Mx	-.007	66
76	MP4C	X	0	12
77	MP4C	Z	-10.964	12
78	MP4C	Mx	-.007	12
79	MP4C	X	0	66
80	MP4C	Z	-10.964	66
81	MP4C	Mx	-.007	66
82	OVP1	X	0	6
83	OVP1	Z	-10.264	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	-10.264	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	-6.315	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	-6.315	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	-3.433	36
96	MP2B	Mx	.002	36
97	MP2B	X	0	60
98	MP2B	Z	-3.433	60
99	MP2B	Mx	.002	60
100	MP2C	X	0	36
101	MP2C	Z	-3.433	36
102	MP2C	Mx	-.002	36
103	MP2C	X	0	60
104	MP2C	Z	-3.433	60
105	MP2C	Mx	-.002	60
106	MP4A	X	0	36
107	MP4A	Z	-5.025	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	-3.297	36
111	MP4B	Mx	-.001	36
112	MP4C	X	0	36
113	MP4C	Z	-3.297	36
114	MP4C	Mx	.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	2.304	60
2	MP4A	Z	-3.991	60
3	MP4A	Mx	.001	60
4	MP4B	X	1.68	60
5	MP4B	Z	-2.909	60
6	MP4B	Mx	-.002	60
7	MP4C	X	2.304	60
8	MP4C	Z	-3.991	60
9	MP4C	Mx	.001	60
10	MP1B	X	3.627	12
11	MP1B	Z	-6.282	12
12	MP1B	Mx	.005	12
13	MP1B	X	3.627	48
14	MP1B	Z	-6.282	48
15	MP1B	Mx	.005	48
16	MP1C	X	2.222	12
17	MP1C	Z	-3.848	12
18	MP1C	Mx	-.002	12
19	MP1C	X	2.222	48
20	MP1C	Z	-3.848	48
21	MP1C	Mx	-.002	48
22	MP5B	X	3.627	12
23	MP5B	Z	-6.282	12
24	MP5B	Mx	.005	12
25	MP5B	X	3.627	48
26	MP5B	Z	-6.282	48
27	MP5B	Mx	.005	48
28	MP5C	X	2.222	12
29	MP5C	Z	-3.848	12
30	MP5C	Mx	-.002	12
31	MP5C	X	2.222	48
32	MP5C	Z	-3.848	48
33	MP5C	Mx	-.002	48
34	MP1A	X	2.222	12
35	MP1A	Z	-3.848	12
36	MP1A	Mx	-.002	12
37	MP1A	X	2.222	48
38	MP1A	Z	-3.848	48
39	MP1A	Mx	-.002	48
40	MP5A	X	2.222	12
41	MP5A	Z	-3.848	12
42	MP5A	Mx	-.002	12
43	MP5A	X	2.222	48
44	MP5A	Z	-3.848	48
45	MP5A	Mx	-.002	48
46	MP4A	X	5.018	12
47	MP4A	Z	-8.691	12
48	MP4A	Mx	.002	12
49	MP4A	X	5.018	66
50	MP4A	Z	-8.691	66
51	MP4A	Mx	.002	66
52	MP4B	X	5.018	12
53	MP4B	Z	-8.691	12
54	MP4B	Mx	.002	12
55	MP4B	X	5.018	66
56	MP4B	Z	-8.691	66
57	MP4B	Mx	.002	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	5.018	12
59	MP4C	Z	-8.691	12
60	MP4C	Mx	.002	12
61	MP4C	X	5.018	66
62	MP4C	Z	-8.691	66
63	MP4C	Mx	.002	66
64	MP4A	X	5.018	12
65	MP4A	Z	-8.691	12
66	MP4A	Mx	-.01	12
67	MP4A	X	5.018	66
68	MP4A	Z	-8.691	66
69	MP4A	Mx	-.01	66
70	MP4B	X	5.018	12
71	MP4B	Z	-8.691	12
72	MP4B	Mx	-.01	12
73	MP4B	X	5.018	66
74	MP4B	Z	-8.691	66
75	MP4B	Mx	-.01	66
76	MP4C	X	5.018	12
77	MP4C	Z	-8.691	12
78	MP4C	Mx	-.01	12
79	MP4C	X	5.018	66
80	MP4C	Z	-8.691	66
81	MP4C	Mx	-.01	66
82	OVP1	X	4.485	6
83	OVP1	Z	-7.768	6
84	OVP1	Mx	0	6
85	OVP2	X	4.485	6
86	OVP2	Z	-7.768	6
87	OVP2	Mx	0	6
88	MP2A	X	2.677	36
89	MP2A	Z	-4.637	36
90	MP2A	Mx	-.002	36
91	MP2A	X	2.677	60
92	MP2A	Z	-4.637	60
93	MP2A	Mx	-.002	60
94	MP2B	X	1.236	36
95	MP2B	Z	-2.141	36
96	MP2B	Mx	.002	36
97	MP2B	X	1.236	60
98	MP2B	Z	-2.141	60
99	MP2B	Mx	.002	60
100	MP2C	X	2.677	36
101	MP2C	Z	-4.637	36
102	MP2C	Mx	-.002	36
103	MP2C	X	2.677	60
104	MP2C	Z	-4.637	60
105	MP2C	Mx	-.002	60
106	MP4A	X	2.225	36
107	MP4A	Z	-3.853	36
108	MP4A	Mx	.001	36
109	MP4B	X	1.36	36
110	MP4B	Z	-2.356	36
111	MP4B	Mx	-.001	36
112	MP4C	X	2.225	36
113	MP4C	Z	-3.853	36
114	MP4C	Mx	.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	3.27	60
2	MP4A	Z	-1.888	60
3	MP4A	Mx	.002	60
4	MP4B	X	3.27	60
5	MP4B	Z	-1.888	60
6	MP4B	Mx	-.002	60
7	MP4C	X	4.352	60
8	MP4C	Z	-2.513	60
9	MP4C	Mx	0	60
10	MP1B	X	5.471	12
11	MP1B	Z	-3.159	12
12	MP1B	Mx	.004	12
13	MP1B	X	5.471	48
14	MP1B	Z	-3.159	48
15	MP1B	Mx	.004	48
16	MP1C	X	3.037	12
17	MP1C	Z	-1.753	12
18	MP1C	Mx	0	12
19	MP1C	X	3.037	48
20	MP1C	Z	-1.753	48
21	MP1C	Mx	0	48
22	MP5B	X	5.471	12
23	MP5B	Z	-3.159	12
24	MP5B	Mx	.004	12
25	MP5B	X	5.471	48
26	MP5B	Z	-3.159	48
27	MP5B	Mx	.004	48
28	MP5C	X	3.037	12
29	MP5C	Z	-1.753	12
30	MP5C	Mx	0	12
31	MP5C	X	3.037	48
32	MP5C	Z	-1.753	48
33	MP5C	Mx	0	48
34	MP1A	X	5.471	12
35	MP1A	Z	-3.159	12
36	MP1A	Mx	-.004	12
37	MP1A	X	5.471	48
38	MP1A	Z	-3.159	48
39	MP1A	Mx	-.004	48
40	MP5A	X	5.471	12
41	MP5A	Z	-3.159	12
42	MP5A	Mx	-.004	12
43	MP5A	X	5.471	48
44	MP5A	Z	-3.159	48
45	MP5A	Mx	-.004	48
46	MP4A	X	7.083	12
47	MP4A	Z	-4.089	12
48	MP4A	Mx	-.003	12
49	MP4A	X	7.083	66
50	MP4A	Z	-4.089	66
51	MP4A	Mx	-.003	66
52	MP4B	X	7.083	12
53	MP4B	Z	-4.089	12
54	MP4B	Mx	-.003	12
55	MP4B	X	7.083	66
56	MP4B	Z	-4.089	66
57	MP4B	Mx	-.003	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	7.083	12
59	MP4C	Z	-4.089	12
60	MP4C	Mx	-.003	12
61	MP4C	X	7.083	66
62	MP4C	Z	-4.089	66
63	MP4C	Mx	-.003	66
64	MP4A	X	7.083	12
65	MP4A	Z	-4.089	12
66	MP4A	Mx	-.008	12
67	MP4A	X	7.083	66
68	MP4A	Z	-4.089	66
69	MP4A	Mx	-.008	66
70	MP4B	X	7.083	12
71	MP4B	Z	-4.089	12
72	MP4B	Mx	-.008	12
73	MP4B	X	7.083	66
74	MP4B	Z	-4.089	66
75	MP4B	Mx	-.008	66
76	MP4C	X	7.083	12
77	MP4C	Z	-4.089	12
78	MP4C	Mx	-.008	12
79	MP4C	X	7.083	66
80	MP4C	Z	-4.089	66
81	MP4C	Mx	-.008	66
82	OVP1	X	7.209	6
83	OVP1	Z	-4.162	6
84	OVP1	Mx	0	6
85	OVP2	X	7.209	6
86	OVP2	Z	-4.162	6
87	OVP2	Mx	0	6
88	MP2A	X	2.973	36
89	MP2A	Z	-1.716	36
90	MP2A	Mx	-.002	36
91	MP2A	X	2.973	60
92	MP2A	Z	-1.716	60
93	MP2A	Mx	-.002	60
94	MP2B	X	2.973	36
95	MP2B	Z	-1.716	36
96	MP2B	Mx	.002	36
97	MP2B	X	2.973	60
98	MP2B	Z	-1.716	60
99	MP2B	Mx	.002	60
100	MP2C	X	5.469	36
101	MP2C	Z	-3.157	36
102	MP2C	Mx	0	36
103	MP2C	X	5.469	60
104	MP2C	Z	-3.157	60
105	MP2C	Mx	0	60
106	MP4A	X	2.855	36
107	MP4A	Z	-1.648	36
108	MP4A	Mx	.001	36
109	MP4B	X	2.855	36
110	MP4B	Z	-1.648	36
111	MP4B	Mx	-.001	36
112	MP4C	X	4.352	36
113	MP4C	Z	-2.513	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	3.359	60
2	MP4A	Z	0	60
3	MP4A	Mx	.002	60
4	MP4B	X	4.609	60
5	MP4B	Z	0	60
6	MP4B	Mx	-.001	60
7	MP4C	X	4.609	60
8	MP4C	Z	0	60
9	MP4C	Mx	-.001	60
10	MP1B	X	4.444	12
11	MP1B	Z	0	12
12	MP1B	Mx	.002	12
13	MP1B	X	4.444	48
14	MP1B	Z	0	48
15	MP1B	Mx	.002	48
16	MP1C	X	4.444	12
17	MP1C	Z	0	12
18	MP1C	Mx	.002	12
19	MP1C	X	4.444	48
20	MP1C	Z	0	48
21	MP1C	Mx	.002	48
22	MP5B	X	4.444	12
23	MP5B	Z	0	12
24	MP5B	Mx	.002	12
25	MP5B	X	4.444	48
26	MP5B	Z	0	48
27	MP5B	Mx	.002	48
28	MP5C	X	4.444	12
29	MP5C	Z	0	12
30	MP5C	Mx	.002	12
31	MP5C	X	4.444	48
32	MP5C	Z	0	48
33	MP5C	Mx	.002	48
34	MP1A	X	7.254	12
35	MP1A	Z	0	12
36	MP1A	Mx	-.005	12
37	MP1A	X	7.254	48
38	MP1A	Z	0	48
39	MP1A	Mx	-.005	48
40	MP5A	X	7.254	12
41	MP5A	Z	0	12
42	MP5A	Mx	-.005	12
43	MP5A	X	7.254	48
44	MP5A	Z	0	48
45	MP5A	Mx	-.005	48
46	MP4A	X	7.25	12
47	MP4A	Z	0	12
48	MP4A	Mx	-.005	12
49	MP4A	X	7.25	66
50	MP4A	Z	0	66
51	MP4A	Mx	-.005	66
52	MP4B	X	7.25	12
53	MP4B	Z	0	12
54	MP4B	Mx	-.005	12
55	MP4B	X	7.25	66
56	MP4B	Z	0	66
57	MP4B	Mx	-.005	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	7.25	12
59	MP4C	Z	0	12
60	MP4C	Mx	-.005	12
61	MP4C	X	7.25	66
62	MP4C	Z	0	66
63	MP4C	Mx	-.005	66
64	MP4A	X	7.25	12
65	MP4A	Z	0	12
66	MP4A	Mx	-.005	12
67	MP4A	X	7.25	66
68	MP4A	Z	0	66
69	MP4A	Mx	-.005	66
70	MP4B	X	7.25	12
71	MP4B	Z	0	12
72	MP4B	Mx	-.005	12
73	MP4B	X	7.25	66
74	MP4B	Z	0	66
75	MP4B	Mx	-.005	66
76	MP4C	X	7.25	12
77	MP4C	Z	0	12
78	MP4C	Mx	-.005	12
79	MP4C	X	7.25	66
80	MP4C	Z	0	66
81	MP4C	Mx	-.005	66
82	OVP1	X	8.97	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	8.97	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	2.472	36
89	MP2A	Z	0	36
90	MP2A	Mx	-.002	36
91	MP2A	X	2.472	60
92	MP2A	Z	0	60
93	MP2A	Mx	-.002	60
94	MP2B	X	5.354	36
95	MP2B	Z	0	36
96	MP2B	Mx	.002	36
97	MP2B	X	5.354	60
98	MP2B	Z	0	60
99	MP2B	Mx	.002	60
100	MP2C	X	5.354	36
101	MP2C	Z	0	36
102	MP2C	Mx	.002	36
103	MP2C	X	5.354	60
104	MP2C	Z	0	60
105	MP2C	Mx	.002	60
106	MP4A	X	2.721	36
107	MP4A	Z	0	36
108	MP4A	Mx	.001	36
109	MP4B	X	4.449	36
110	MP4B	Z	0	36
111	MP4B	Mx	-.001	36
112	MP4C	X	4.449	36
113	MP4C	Z	0	36
114	MP4C	Mx	-.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	3.27	60
2	MP4A	Z	1.888	60
3	MP4A	Mx	.002	60
4	MP4B	X	4.352	60
5	MP4B	Z	2.513	60
6	MP4B	Mx	0	60
7	MP4C	X	3.27	60
8	MP4C	Z	1.888	60
9	MP4C	Mx	-.002	60
10	MP1B	X	3.037	12
11	MP1B	Z	1.753	12
12	MP1B	Mx	0	12
13	MP1B	X	3.037	48
14	MP1B	Z	1.753	48
15	MP1B	Mx	0	48
16	MP1C	X	5.471	12
17	MP1C	Z	3.159	12
18	MP1C	Mx	.004	12
19	MP1C	X	5.471	48
20	MP1C	Z	3.159	48
21	MP1C	Mx	.004	48
22	MP5B	X	3.037	12
23	MP5B	Z	1.753	12
24	MP5B	Mx	0	12
25	MP5B	X	3.037	48
26	MP5B	Z	1.753	48
27	MP5B	Mx	0	48
28	MP5C	X	5.471	12
29	MP5C	Z	3.159	12
30	MP5C	Mx	.004	12
31	MP5C	X	5.471	48
32	MP5C	Z	3.159	48
33	MP5C	Mx	.004	48
34	MP1A	X	5.471	12
35	MP1A	Z	3.159	12
36	MP1A	Mx	-.004	12
37	MP1A	X	5.471	48
38	MP1A	Z	3.159	48
39	MP1A	Mx	-.004	48
40	MP5A	X	5.471	12
41	MP5A	Z	3.159	12
42	MP5A	Mx	-.004	12
43	MP5A	X	5.471	48
44	MP5A	Z	3.159	48
45	MP5A	Mx	-.004	48
46	MP4A	X	7.083	12
47	MP4A	Z	4.089	12
48	MP4A	Mx	-.008	12
49	MP4A	X	7.083	66
50	MP4A	Z	4.089	66
51	MP4A	Mx	-.008	66
52	MP4B	X	7.083	12
53	MP4B	Z	4.089	12
54	MP4B	Mx	-.008	12
55	MP4B	X	7.083	66
56	MP4B	Z	4.089	66
57	MP4B	Mx	-.008	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	7.083	12
59	MP4C	Z	4.089	12
60	MP4C	Mx	-.008	12
61	MP4C	X	7.083	66
62	MP4C	Z	4.089	66
63	MP4C	Mx	-.008	66
64	MP4A	X	7.083	12
65	MP4A	Z	4.089	12
66	MP4A	Mx	-.003	12
67	MP4A	X	7.083	66
68	MP4A	Z	4.089	66
69	MP4A	Mx	-.003	66
70	MP4B	X	7.083	12
71	MP4B	Z	4.089	12
72	MP4B	Mx	-.003	12
73	MP4B	X	7.083	66
74	MP4B	Z	4.089	66
75	MP4B	Mx	-.003	66
76	MP4C	X	7.083	12
77	MP4C	Z	4.089	12
78	MP4C	Mx	-.003	12
79	MP4C	X	7.083	66
80	MP4C	Z	4.089	66
81	MP4C	Mx	-.003	66
82	OVP1	X	8.888	6
83	OVP1	Z	5.132	6
84	OVP1	Mx	0	6
85	OVP2	X	8.888	6
86	OVP2	Z	5.132	6
87	OVP2	Mx	0	6
88	MP2A	X	2.973	36
89	MP2A	Z	1.716	36
90	MP2A	Mx	-.002	36
91	MP2A	X	2.973	60
92	MP2A	Z	1.716	60
93	MP2A	Mx	-.002	60
94	MP2B	X	5.469	36
95	MP2B	Z	3.157	36
96	MP2B	Mx	0	36
97	MP2B	X	5.469	60
98	MP2B	Z	3.157	60
99	MP2B	Mx	0	60
100	MP2C	X	2.973	36
101	MP2C	Z	1.716	36
102	MP2C	Mx	.002	36
103	MP2C	X	2.973	60
104	MP2C	Z	1.716	60
105	MP2C	Mx	.002	60
106	MP4A	X	2.855	36
107	MP4A	Z	1.648	36
108	MP4A	Mx	.001	36
109	MP4B	X	4.352	36
110	MP4B	Z	2.513	36
111	MP4B	Mx	0	36
112	MP4C	X	2.855	36
113	MP4C	Z	1.648	36
114	MP4C	Mx	-.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	2.304	60
2	MP4A	Z	3.991	60
3	MP4A	Mx	.001	60
4	MP4B	X	2.304	60
5	MP4B	Z	3.991	60
6	MP4B	Mx	.001	60
7	MP4C	X	1.68	60
8	MP4C	Z	2.909	60
9	MP4C	Mx	-.002	60
10	MP1B	X	2.222	12
11	MP1B	Z	3.848	12
12	MP1B	Mx	-.002	12
13	MP1B	X	2.222	48
14	MP1B	Z	3.848	48
15	MP1B	Mx	-.002	48
16	MP1C	X	3.627	12
17	MP1C	Z	6.282	12
18	MP1C	Mx	.005	12
19	MP1C	X	3.627	48
20	MP1C	Z	6.282	48
21	MP1C	Mx	.005	48
22	MP5B	X	2.222	12
23	MP5B	Z	3.848	12
24	MP5B	Mx	-.002	12
25	MP5B	X	2.222	48
26	MP5B	Z	3.848	48
27	MP5B	Mx	-.002	48
28	MP5C	X	3.627	12
29	MP5C	Z	6.282	12
30	MP5C	Mx	.005	12
31	MP5C	X	3.627	48
32	MP5C	Z	6.282	48
33	MP5C	Mx	.005	48
34	MP1A	X	2.222	12
35	MP1A	Z	3.848	12
36	MP1A	Mx	-.002	12
37	MP1A	X	2.222	48
38	MP1A	Z	3.848	48
39	MP1A	Mx	-.002	48
40	MP5A	X	2.222	12
41	MP5A	Z	3.848	12
42	MP5A	Mx	-.002	12
43	MP5A	X	2.222	48
44	MP5A	Z	3.848	48
45	MP5A	Mx	-.002	48
46	MP4A	X	5.018	12
47	MP4A	Z	8.691	12
48	MP4A	Mx	-.01	12
49	MP4A	X	5.018	66
50	MP4A	Z	8.691	66
51	MP4A	Mx	-.01	66
52	MP4B	X	5.018	12
53	MP4B	Z	8.691	12
54	MP4B	Mx	-.01	12
55	MP4B	X	5.018	66
56	MP4B	Z	8.691	66
57	MP4B	Mx	-.01	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	5.018	12
59	MP4C	Z	8.691	12
60	MP4C	Mx	-.01	12
61	MP4C	X	5.018	66
62	MP4C	Z	8.691	66
63	MP4C	Mx	-.01	66
64	MP4A	X	5.018	12
65	MP4A	Z	8.691	12
66	MP4A	Mx	.002	12
67	MP4A	X	5.018	66
68	MP4A	Z	8.691	66
69	MP4A	Mx	.002	66
70	MP4B	X	5.018	12
71	MP4B	Z	8.691	12
72	MP4B	Mx	.002	12
73	MP4B	X	5.018	66
74	MP4B	Z	8.691	66
75	MP4B	Mx	.002	66
76	MP4C	X	5.018	12
77	MP4C	Z	8.691	12
78	MP4C	Mx	.002	12
79	MP4C	X	5.018	66
80	MP4C	Z	8.691	66
81	MP4C	Mx	.002	66
82	OVP1	X	5.455	6
83	OVP1	Z	9.448	6
84	OVP1	Mx	0	6
85	OVP2	X	5.455	6
86	OVP2	Z	9.448	6
87	OVP2	Mx	0	6
88	MP2A	X	2.677	36
89	MP2A	Z	4.637	36
90	MP2A	Mx	-.002	36
91	MP2A	X	2.677	60
92	MP2A	Z	4.637	60
93	MP2A	Mx	-.002	60
94	MP2B	X	2.677	36
95	MP2B	Z	4.637	36
96	MP2B	Mx	-.002	36
97	MP2B	X	2.677	60
98	MP2B	Z	4.637	60
99	MP2B	Mx	-.002	60
100	MP2C	X	1.236	36
101	MP2C	Z	2.141	36
102	MP2C	Mx	.002	36
103	MP2C	X	1.236	60
104	MP2C	Z	2.141	60
105	MP2C	Mx	.002	60
106	MP4A	X	2.225	36
107	MP4A	Z	3.853	36
108	MP4A	Mx	.001	36
109	MP4B	X	2.225	36
110	MP4B	Z	3.853	36
111	MP4B	Mx	.001	36
112	MP4C	X	1.36	36
113	MP4C	Z	2.356	36
114	MP4C	Mx	-.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	60
2	MP4A	Z	5.025	60
3	MP4A	Mx	0	60
4	MP4B	X	0	60
5	MP4B	Z	3.776	60
6	MP4B	Mx	.002	60
7	MP4C	X	0	60
8	MP4C	Z	3.776	60
9	MP4C	Mx	-.002	60
10	MP1B	X	0	12
11	MP1B	Z	6.317	12
12	MP1B	Mx	-.004	12
13	MP1B	X	0	48
14	MP1B	Z	6.317	48
15	MP1B	Mx	-.004	48
16	MP1C	X	0	12
17	MP1C	Z	6.317	12
18	MP1C	Mx	.004	12
19	MP1C	X	0	48
20	MP1C	Z	6.317	48
21	MP1C	Mx	.004	48
22	MP5B	X	0	12
23	MP5B	Z	6.317	12
24	MP5B	Mx	-.004	12
25	MP5B	X	0	48
26	MP5B	Z	6.317	48
27	MP5B	Mx	-.004	48
28	MP5C	X	0	12
29	MP5C	Z	6.317	12
30	MP5C	Mx	.004	12
31	MP5C	X	0	48
32	MP5C	Z	6.317	48
33	MP5C	Mx	.004	48
34	MP1A	X	0	12
35	MP1A	Z	3.507	12
36	MP1A	Mx	0	12
37	MP1A	X	0	48
38	MP1A	Z	3.507	48
39	MP1A	Mx	0	48
40	MP5A	X	0	12
41	MP5A	Z	3.507	12
42	MP5A	Mx	0	12
43	MP5A	X	0	48
44	MP5A	Z	3.507	48
45	MP5A	Mx	0	48
46	MP4A	X	0	12
47	MP4A	Z	10.964	12
48	MP4A	Mx	-.007	12
49	MP4A	X	0	66
50	MP4A	Z	10.964	66
51	MP4A	Mx	-.007	66
52	MP4B	X	0	12
53	MP4B	Z	10.964	12
54	MP4B	Mx	-.007	12
55	MP4B	X	0	66
56	MP4B	Z	10.964	66
57	MP4B	Mx	-.007	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	0	12
59	MP4C	Z	10.964	12
60	MP4C	Mx	-.007	12
61	MP4C	X	0	66
62	MP4C	Z	10.964	66
63	MP4C	Mx	-.007	66
64	MP4A	X	0	12
65	MP4A	Z	10.964	12
66	MP4A	Mx	.007	12
67	MP4A	X	0	66
68	MP4A	Z	10.964	66
69	MP4A	Mx	.007	66
70	MP4B	X	0	12
71	MP4B	Z	10.964	12
72	MP4B	Mx	.007	12
73	MP4B	X	0	66
74	MP4B	Z	10.964	66
75	MP4B	Mx	.007	66
76	MP4C	X	0	12
77	MP4C	Z	10.964	12
78	MP4C	Mx	.007	12
79	MP4C	X	0	66
80	MP4C	Z	10.964	66
81	MP4C	Mx	.007	66
82	OVP1	X	0	6
83	OVP1	Z	10.264	6
84	OVP1	Mx	0	6
85	OVP2	X	0	6
86	OVP2	Z	10.264	6
87	OVP2	Mx	0	6
88	MP2A	X	0	36
89	MP2A	Z	6.315	36
90	MP2A	Mx	0	36
91	MP2A	X	0	60
92	MP2A	Z	6.315	60
93	MP2A	Mx	0	60
94	MP2B	X	0	36
95	MP2B	Z	3.433	36
96	MP2B	Mx	-.002	36
97	MP2B	X	0	60
98	MP2B	Z	3.433	60
99	MP2B	Mx	-.002	60
100	MP2C	X	0	36
101	MP2C	Z	3.433	36
102	MP2C	Mx	.002	36
103	MP2C	X	0	60
104	MP2C	Z	3.433	60
105	MP2C	Mx	.002	60
106	MP4A	X	0	36
107	MP4A	Z	5.025	36
108	MP4A	Mx	0	36
109	MP4B	X	0	36
110	MP4B	Z	3.297	36
111	MP4B	Mx	.001	36
112	MP4C	X	0	36
113	MP4C	Z	3.297	36
114	MP4C	Mx	-.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-2.304	60
2	MP4A	Z	3.991	60
3	MP4A	Mx	-.001	60
4	MP4B	X	-1.68	60
5	MP4B	Z	2.909	60
6	MP4B	Mx	.002	60
7	MP4C	X	-2.304	60
8	MP4C	Z	3.991	60
9	MP4C	Mx	-.001	60
10	MP1B	X	-3.627	12
11	MP1B	Z	6.282	12
12	MP1B	Mx	-.005	12
13	MP1B	X	-3.627	48
14	MP1B	Z	6.282	48
15	MP1B	Mx	-.005	48
16	MP1C	X	-2.222	12
17	MP1C	Z	3.848	12
18	MP1C	Mx	.002	12
19	MP1C	X	-2.222	48
20	MP1C	Z	3.848	48
21	MP1C	Mx	.002	48
22	MP5B	X	-3.627	12
23	MP5B	Z	6.282	12
24	MP5B	Mx	-.005	12
25	MP5B	X	-3.627	48
26	MP5B	Z	6.282	48
27	MP5B	Mx	-.005	48
28	MP5C	X	-2.222	12
29	MP5C	Z	3.848	12
30	MP5C	Mx	.002	12
31	MP5C	X	-2.222	48
32	MP5C	Z	3.848	48
33	MP5C	Mx	.002	48
34	MP1A	X	-2.222	12
35	MP1A	Z	3.848	12
36	MP1A	Mx	.002	12
37	MP1A	X	-2.222	48
38	MP1A	Z	3.848	48
39	MP1A	Mx	.002	48
40	MP5A	X	-2.222	12
41	MP5A	Z	3.848	12
42	MP5A	Mx	.002	12
43	MP5A	X	-2.222	48
44	MP5A	Z	3.848	48
45	MP5A	Mx	.002	48
46	MP4A	X	-5.018	12
47	MP4A	Z	8.691	12
48	MP4A	Mx	-.002	12
49	MP4A	X	-5.018	66
50	MP4A	Z	8.691	66
51	MP4A	Mx	-.002	66
52	MP4B	X	-5.018	12
53	MP4B	Z	8.691	12
54	MP4B	Mx	-.002	12
55	MP4B	X	-5.018	66
56	MP4B	Z	8.691	66
57	MP4B	Mx	-.002	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-5.018	12
59	MP4C	Z	8.691	12
60	MP4C	Mx	-.002	12
61	MP4C	X	-5.018	66
62	MP4C	Z	8.691	66
63	MP4C	Mx	-.002	66
64	MP4A	X	-5.018	12
65	MP4A	Z	8.691	12
66	MP4A	Mx	.01	12
67	MP4A	X	-5.018	66
68	MP4A	Z	8.691	66
69	MP4A	Mx	.01	66
70	MP4B	X	-5.018	12
71	MP4B	Z	8.691	12
72	MP4B	Mx	.01	12
73	MP4B	X	-5.018	66
74	MP4B	Z	8.691	66
75	MP4B	Mx	.01	66
76	MP4C	X	-5.018	12
77	MP4C	Z	8.691	12
78	MP4C	Mx	.01	12
79	MP4C	X	-5.018	66
80	MP4C	Z	8.691	66
81	MP4C	Mx	.01	66
82	OVP1	X	-4.485	6
83	OVP1	Z	7.768	6
84	OVP1	Mx	0	6
85	OVP2	X	-4.485	6
86	OVP2	Z	7.768	6
87	OVP2	Mx	0	6
88	MP2A	X	-2.677	36
89	MP2A	Z	4.637	36
90	MP2A	Mx	.002	36
91	MP2A	X	-2.677	60
92	MP2A	Z	4.637	60
93	MP2A	Mx	.002	60
94	MP2B	X	-1.236	36
95	MP2B	Z	2.141	36
96	MP2B	Mx	-.002	36
97	MP2B	X	-1.236	60
98	MP2B	Z	2.141	60
99	MP2B	Mx	-.002	60
100	MP2C	X	-2.677	36
101	MP2C	Z	4.637	36
102	MP2C	Mx	.002	36
103	MP2C	X	-2.677	60
104	MP2C	Z	4.637	60
105	MP2C	Mx	.002	60
106	MP4A	X	-2.225	36
107	MP4A	Z	3.853	36
108	MP4A	Mx	-.001	36
109	MP4B	X	-1.36	36
110	MP4B	Z	2.356	36
111	MP4B	Mx	.001	36
112	MP4C	X	-2.225	36
113	MP4C	Z	3.853	36
114	MP4C	Mx	-.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-3.27	60
2	MP4A	Z	1.888	60
3	MP4A	Mx	-.002	60
4	MP4B	X	-3.27	60
5	MP4B	Z	1.888	60
6	MP4B	Mx	.002	60
7	MP4C	X	-4.352	60
8	MP4C	Z	2.513	60
9	MP4C	Mx	0	60
10	MP1B	X	-5.471	12
11	MP1B	Z	3.159	12
12	MP1B	Mx	-.004	12
13	MP1B	X	-5.471	48
14	MP1B	Z	3.159	48
15	MP1B	Mx	-.004	48
16	MP1C	X	-3.037	12
17	MP1C	Z	1.753	12
18	MP1C	Mx	0	12
19	MP1C	X	-3.037	48
20	MP1C	Z	1.753	48
21	MP1C	Mx	0	48
22	MP5B	X	-5.471	12
23	MP5B	Z	3.159	12
24	MP5B	Mx	-.004	12
25	MP5B	X	-5.471	48
26	MP5B	Z	3.159	48
27	MP5B	Mx	-.004	48
28	MP5C	X	-3.037	12
29	MP5C	Z	1.753	12
30	MP5C	Mx	0	12
31	MP5C	X	-3.037	48
32	MP5C	Z	1.753	48
33	MP5C	Mx	0	48
34	MP1A	X	-5.471	12
35	MP1A	Z	3.159	12
36	MP1A	Mx	.004	12
37	MP1A	X	-5.471	48
38	MP1A	Z	3.159	48
39	MP1A	Mx	.004	48
40	MP5A	X	-5.471	12
41	MP5A	Z	3.159	12
42	MP5A	Mx	.004	12
43	MP5A	X	-5.471	48
44	MP5A	Z	3.159	48
45	MP5A	Mx	.004	48
46	MP4A	X	-7.083	12
47	MP4A	Z	4.089	12
48	MP4A	Mx	.003	12
49	MP4A	X	-7.083	66
50	MP4A	Z	4.089	66
51	MP4A	Mx	.003	66
52	MP4B	X	-7.083	12
53	MP4B	Z	4.089	12
54	MP4B	Mx	.003	12
55	MP4B	X	-7.083	66
56	MP4B	Z	4.089	66
57	MP4B	Mx	.003	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-7.083	12
59	MP4C	Z	4.089	12
60	MP4C	Mx	.003	12
61	MP4C	X	-7.083	66
62	MP4C	Z	4.089	66
63	MP4C	Mx	.003	66
64	MP4A	X	-7.083	12
65	MP4A	Z	4.089	12
66	MP4A	Mx	.008	12
67	MP4A	X	-7.083	66
68	MP4A	Z	4.089	66
69	MP4A	Mx	.008	66
70	MP4B	X	-7.083	12
71	MP4B	Z	4.089	12
72	MP4B	Mx	.008	12
73	MP4B	X	-7.083	66
74	MP4B	Z	4.089	66
75	MP4B	Mx	.008	66
76	MP4C	X	-7.083	12
77	MP4C	Z	4.089	12
78	MP4C	Mx	.008	12
79	MP4C	X	-7.083	66
80	MP4C	Z	4.089	66
81	MP4C	Mx	.008	66
82	OVP1	X	-7.209	6
83	OVP1	Z	4.162	6
84	OVP1	Mx	0	6
85	OVP2	X	-7.209	6
86	OVP2	Z	4.162	6
87	OVP2	Mx	0	6
88	MP2A	X	-2.973	36
89	MP2A	Z	1.716	36
90	MP2A	Mx	.002	36
91	MP2A	X	-2.973	60
92	MP2A	Z	1.716	60
93	MP2A	Mx	.002	60
94	MP2B	X	-2.973	36
95	MP2B	Z	1.716	36
96	MP2B	Mx	-.002	36
97	MP2B	X	-2.973	60
98	MP2B	Z	1.716	60
99	MP2B	Mx	-.002	60
100	MP2C	X	-5.469	36
101	MP2C	Z	3.157	36
102	MP2C	Mx	0	36
103	MP2C	X	-5.469	60
104	MP2C	Z	3.157	60
105	MP2C	Mx	0	60
106	MP4A	X	-2.855	36
107	MP4A	Z	1.648	36
108	MP4A	Mx	-.001	36
109	MP4B	X	-2.855	36
110	MP4B	Z	1.648	36
111	MP4B	Mx	.001	36
112	MP4C	X	-4.352	36
113	MP4C	Z	2.513	36
114	MP4C	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-3.359	60
2	MP4A	Z	0	60
3	MP4A	Mx	-.002	60
4	MP4B	X	-4.609	60
5	MP4B	Z	0	60
6	MP4B	Mx	.001	60
7	MP4C	X	-4.609	60
8	MP4C	Z	0	60
9	MP4C	Mx	.001	60
10	MP1B	X	-4.444	12
11	MP1B	Z	0	12
12	MP1B	Mx	-.002	12
13	MP1B	X	-4.444	48
14	MP1B	Z	0	48
15	MP1B	Mx	-.002	48
16	MP1C	X	-4.444	12
17	MP1C	Z	0	12
18	MP1C	Mx	-.002	12
19	MP1C	X	-4.444	48
20	MP1C	Z	0	48
21	MP1C	Mx	-.002	48
22	MP5B	X	-4.444	12
23	MP5B	Z	0	12
24	MP5B	Mx	-.002	12
25	MP5B	X	-4.444	48
26	MP5B	Z	0	48
27	MP5B	Mx	-.002	48
28	MP5C	X	-4.444	12
29	MP5C	Z	0	12
30	MP5C	Mx	-.002	12
31	MP5C	X	-4.444	48
32	MP5C	Z	0	48
33	MP5C	Mx	-.002	48
34	MP1A	X	-7.254	12
35	MP1A	Z	0	12
36	MP1A	Mx	.005	12
37	MP1A	X	-7.254	48
38	MP1A	Z	0	48
39	MP1A	Mx	.005	48
40	MP5A	X	-7.254	12
41	MP5A	Z	0	12
42	MP5A	Mx	.005	12
43	MP5A	X	-7.254	48
44	MP5A	Z	0	48
45	MP5A	Mx	.005	48
46	MP4A	X	-7.25	12
47	MP4A	Z	0	12
48	MP4A	Mx	.005	12
49	MP4A	X	-7.25	66
50	MP4A	Z	0	66
51	MP4A	Mx	.005	66
52	MP4B	X	-7.25	12
53	MP4B	Z	0	12
54	MP4B	Mx	.005	12
55	MP4B	X	-7.25	66
56	MP4B	Z	0	66
57	MP4B	Mx	.005	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-7.25	12
59	MP4C	Z	0	12
60	MP4C	Mx	.005	12
61	MP4C	X	-7.25	66
62	MP4C	Z	0	66
63	MP4C	Mx	.005	66
64	MP4A	X	-7.25	12
65	MP4A	Z	0	12
66	MP4A	Mx	.005	12
67	MP4A	X	-7.25	66
68	MP4A	Z	0	66
69	MP4A	Mx	.005	66
70	MP4B	X	-7.25	12
71	MP4B	Z	0	12
72	MP4B	Mx	.005	12
73	MP4B	X	-7.25	66
74	MP4B	Z	0	66
75	MP4B	Mx	.005	66
76	MP4C	X	-7.25	12
77	MP4C	Z	0	12
78	MP4C	Mx	.005	12
79	MP4C	X	-7.25	66
80	MP4C	Z	0	66
81	MP4C	Mx	.005	66
82	OVP1	X	-8.97	6
83	OVP1	Z	0	6
84	OVP1	Mx	0	6
85	OVP2	X	-8.97	6
86	OVP2	Z	0	6
87	OVP2	Mx	0	6
88	MP2A	X	-2.472	36
89	MP2A	Z	0	36
90	MP2A	Mx	.002	36
91	MP2A	X	-2.472	60
92	MP2A	Z	0	60
93	MP2A	Mx	.002	60
94	MP2B	X	-5.354	36
95	MP2B	Z	0	36
96	MP2B	Mx	-.002	36
97	MP2B	X	-5.354	60
98	MP2B	Z	0	60
99	MP2B	Mx	-.002	60
100	MP2C	X	-5.354	36
101	MP2C	Z	0	36
102	MP2C	Mx	-.002	36
103	MP2C	X	-5.354	60
104	MP2C	Z	0	60
105	MP2C	Mx	-.002	60
106	MP4A	X	-2.721	36
107	MP4A	Z	0	36
108	MP4A	Mx	-.001	36
109	MP4B	X	-4.449	36
110	MP4B	Z	0	36
111	MP4B	Mx	.001	36
112	MP4C	X	-4.449	36
113	MP4C	Z	0	36
114	MP4C	Mx	.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-3.27	60
2	MP4A	Z	-1.888	60
3	MP4A	Mx	-.002	60
4	MP4B	X	-4.352	60
5	MP4B	Z	-2.513	60
6	MP4B	Mx	0	60
7	MP4C	X	-3.27	60
8	MP4C	Z	-1.888	60
9	MP4C	Mx	.002	60
10	MP1B	X	-3.037	12
11	MP1B	Z	-1.753	12
12	MP1B	Mx	0	12
13	MP1B	X	-3.037	48
14	MP1B	Z	-1.753	48
15	MP1B	Mx	0	48
16	MP1C	X	-5.471	12
17	MP1C	Z	-3.159	12
18	MP1C	Mx	-.004	12
19	MP1C	X	-5.471	48
20	MP1C	Z	-3.159	48
21	MP1C	Mx	-.004	48
22	MP5B	X	-3.037	12
23	MP5B	Z	-1.753	12
24	MP5B	Mx	0	12
25	MP5B	X	-3.037	48
26	MP5B	Z	-1.753	48
27	MP5B	Mx	0	48
28	MP5C	X	-5.471	12
29	MP5C	Z	-3.159	12
30	MP5C	Mx	-.004	12
31	MP5C	X	-5.471	48
32	MP5C	Z	-3.159	48
33	MP5C	Mx	-.004	48
34	MP1A	X	-5.471	12
35	MP1A	Z	-3.159	12
36	MP1A	Mx	.004	12
37	MP1A	X	-5.471	48
38	MP1A	Z	-3.159	48
39	MP1A	Mx	.004	48
40	MP5A	X	-5.471	12
41	MP5A	Z	-3.159	12
42	MP5A	Mx	.004	12
43	MP5A	X	-5.471	48
44	MP5A	Z	-3.159	48
45	MP5A	Mx	.004	48
46	MP4A	X	-7.083	12
47	MP4A	Z	-4.089	12
48	MP4A	Mx	.008	12
49	MP4A	X	-7.083	66
50	MP4A	Z	-4.089	66
51	MP4A	Mx	.008	66
52	MP4B	X	-7.083	12
53	MP4B	Z	-4.089	12
54	MP4B	Mx	.008	12
55	MP4B	X	-7.083	66
56	MP4B	Z	-4.089	66
57	MP4B	Mx	.008	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-7.083	12
59	MP4C	Z	-4.089	12
60	MP4C	Mx	.008	12
61	MP4C	X	-7.083	66
62	MP4C	Z	-4.089	66
63	MP4C	Mx	.008	66
64	MP4A	X	-7.083	12
65	MP4A	Z	-4.089	12
66	MP4A	Mx	.003	12
67	MP4A	X	-7.083	66
68	MP4A	Z	-4.089	66
69	MP4A	Mx	.003	66
70	MP4B	X	-7.083	12
71	MP4B	Z	-4.089	12
72	MP4B	Mx	.003	12
73	MP4B	X	-7.083	66
74	MP4B	Z	-4.089	66
75	MP4B	Mx	.003	66
76	MP4C	X	-7.083	12
77	MP4C	Z	-4.089	12
78	MP4C	Mx	.003	12
79	MP4C	X	-7.083	66
80	MP4C	Z	-4.089	66
81	MP4C	Mx	.003	66
82	OVP1	X	-8.888	6
83	OVP1	Z	-5.132	6
84	OVP1	Mx	0	6
85	OVP2	X	-8.888	6
86	OVP2	Z	-5.132	6
87	OVP2	Mx	0	6
88	MP2A	X	-2.973	36
89	MP2A	Z	-1.716	36
90	MP2A	Mx	.002	36
91	MP2A	X	-2.973	60
92	MP2A	Z	-1.716	60
93	MP2A	Mx	.002	60
94	MP2B	X	-5.469	36
95	MP2B	Z	-3.157	36
96	MP2B	Mx	0	36
97	MP2B	X	-5.469	60
98	MP2B	Z	-3.157	60
99	MP2B	Mx	0	60
100	MP2C	X	-2.973	36
101	MP2C	Z	-1.716	36
102	MP2C	Mx	-.002	36
103	MP2C	X	-2.973	60
104	MP2C	Z	-1.716	60
105	MP2C	Mx	-.002	60
106	MP4A	X	-2.855	36
107	MP4A	Z	-1.648	36
108	MP4A	Mx	-.001	36
109	MP4B	X	-4.352	36
110	MP4B	Z	-2.513	36
111	MP4B	Mx	0	36
112	MP4C	X	-2.855	36
113	MP4C	Z	-1.648	36
114	MP4C	Mx	.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-2.304	60
2	MP4A	Z	-3.991	60
3	MP4A	Mx	-.001	60
4	MP4B	X	-2.304	60
5	MP4B	Z	-3.991	60
6	MP4B	Mx	-.001	60
7	MP4C	X	-1.68	60
8	MP4C	Z	-2.909	60
9	MP4C	Mx	.002	60
10	MP1B	X	-2.222	12
11	MP1B	Z	-3.848	12
12	MP1B	Mx	.002	12
13	MP1B	X	-2.222	48
14	MP1B	Z	-3.848	48
15	MP1B	Mx	.002	48
16	MP1C	X	-3.627	12
17	MP1C	Z	-6.282	12
18	MP1C	Mx	-.005	12
19	MP1C	X	-3.627	48
20	MP1C	Z	-6.282	48
21	MP1C	Mx	-.005	48
22	MP5B	X	-2.222	12
23	MP5B	Z	-3.848	12
24	MP5B	Mx	.002	12
25	MP5B	X	-2.222	48
26	MP5B	Z	-3.848	48
27	MP5B	Mx	.002	48
28	MP5C	X	-3.627	12
29	MP5C	Z	-6.282	12
30	MP5C	Mx	-.005	12
31	MP5C	X	-3.627	48
32	MP5C	Z	-6.282	48
33	MP5C	Mx	-.005	48
34	MP1A	X	-2.222	12
35	MP1A	Z	-3.848	12
36	MP1A	Mx	.002	12
37	MP1A	X	-2.222	48
38	MP1A	Z	-3.848	48
39	MP1A	Mx	.002	48
40	MP5A	X	-2.222	12
41	MP5A	Z	-3.848	12
42	MP5A	Mx	.002	12
43	MP5A	X	-2.222	48
44	MP5A	Z	-3.848	48
45	MP5A	Mx	.002	48
46	MP4A	X	-5.018	12
47	MP4A	Z	-8.691	12
48	MP4A	Mx	.01	12
49	MP4A	X	-5.018	66
50	MP4A	Z	-8.691	66
51	MP4A	Mx	.01	66
52	MP4B	X	-5.018	12
53	MP4B	Z	-8.691	12
54	MP4B	Mx	.01	12
55	MP4B	X	-5.018	66
56	MP4B	Z	-8.691	66
57	MP4B	Mx	.01	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP4C	X	-5.018	12
59	MP4C	Z	-8.691	12
60	MP4C	Mx	.01	12
61	MP4C	X	-5.018	66
62	MP4C	Z	-8.691	66
63	MP4C	Mx	.01	66
64	MP4A	X	-5.018	12
65	MP4A	Z	-8.691	12
66	MP4A	Mx	-.002	12
67	MP4A	X	-5.018	66
68	MP4A	Z	-8.691	66
69	MP4A	Mx	-.002	66
70	MP4B	X	-5.018	12
71	MP4B	Z	-8.691	12
72	MP4B	Mx	-.002	12
73	MP4B	X	-5.018	66
74	MP4B	Z	-8.691	66
75	MP4B	Mx	-.002	66
76	MP4C	X	-5.018	12
77	MP4C	Z	-8.691	12
78	MP4C	Mx	-.002	12
79	MP4C	X	-5.018	66
80	MP4C	Z	-8.691	66
81	MP4C	Mx	-.002	66
82	OVP1	X	-5.455	6
83	OVP1	Z	-9.448	6
84	OVP1	Mx	0	6
85	OVP2	X	-5.455	6
86	OVP2	Z	-9.448	6
87	OVP2	Mx	0	6
88	MP2A	X	-2.677	36
89	MP2A	Z	-4.637	36
90	MP2A	Mx	.002	36
91	MP2A	X	-2.677	60
92	MP2A	Z	-4.637	60
93	MP2A	Mx	.002	60
94	MP2B	X	-2.677	36
95	MP2B	Z	-4.637	36
96	MP2B	Mx	.002	36
97	MP2B	X	-2.677	60
98	MP2B	Z	-4.637	60
99	MP2B	Mx	.002	60
100	MP2C	X	-1.236	36
101	MP2C	Z	-2.141	36
102	MP2C	Mx	-.002	36
103	MP2C	X	-1.236	60
104	MP2C	Z	-2.141	60
105	MP2C	Mx	-.002	60
106	MP4A	X	-2.225	36
107	MP4A	Z	-3.853	36
108	MP4A	Mx	-.001	36
109	MP4B	X	-2.225	36
110	MP4B	Z	-3.853	36
111	MP4B	Mx	-.001	36
112	MP4C	X	-1.36	36
113	MP4C	Z	-2.356	36
114	MP4C	Mx	.001	36

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M36	Y	-500	%40
2	M95A	Y	-500	%40

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M36	Y	-500	%67
2	M95A	Y	-500	%67

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M36	Y	-250	0
2	M95A	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M36	Y	-250	%50
2	M95A	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	Y	-15.743	-15.743	0	%100
2	M5	Y	-16.498	-16.498	0	%100
3	M6	Y	-16.498	-16.498	0	%100
4	M7	Y	-16.498	-16.498	0	%100
5	M9	Y	-16.498	-16.498	0	%100
6	M10	Y	-16.498	-16.498	0	%100
7	M11	Y	-15.743	-15.743	0	%100
8	M13	Y	-16.498	-16.498	0	%100
9	M20	Y	-16.498	-16.498	0	%100
10	M21	Y	-16.498	-16.498	0	%100
11	M22	Y	-15.743	-15.743	0	%100
12	M24	Y	-16.498	-16.498	0	%100
13	M34	Y	-15.743	-15.743	0	%100
14	M36	Y	-11.154	-11.154	0	%100
15	M37	Y	-11.154	-11.154	0	%100
16	M38	Y	-11.154	-11.154	0	%100
17	M40	Y	-15.743	-15.743	0	%100
18	M41	Y	-15.743	-15.743	0	%100
19	MP4A	Y	-8.76	-8.76	0	%100
20	MP3A	Y	-8.76	-8.76	0	%100
21	MP2A	Y	-8.76	-8.76	0	%100
22	MP1A	Y	-8.76	-8.76	0	%100
23	M103	Y	-9.725	-9.725	0	%100
24	M107	Y	-9.725	-9.725	0	%100
25	M154	Y	-9.725	-9.725	0	%100
26	M157	Y	-9.725	-9.725	0	%100
27	M162	Y	-9.725	-9.725	0	%100
28	M165	Y	-9.725	-9.725	0	%100
29	M175	Y	-16.498	-16.498	0	%100
30	M176	Y	-16.498	-16.498	0	%100
31	M177	Y	-16.498	-16.498	0	%100
32	M178	Y	-16.498	-16.498	0	%100
33	M179	Y	-16.498	-16.498	0	%100
34	M180	Y	-16.498	-16.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
35	M183	Y	-16.498	-16.498	0	%100
36	M184	Y	-16.498	-16.498	0	%100
37	M188	Y	-16.498	-16.498	0	%100
38	M189	Y	-16.498	-16.498	0	%100
39	M192	Y	-16.498	-16.498	0	%100
40	M193	Y	-16.498	-16.498	0	%100
41	M108	Y	-15.743	-15.743	0	%100
42	M109	Y	-15.743	-15.743	0	%100
43	M110	Y	-15.743	-15.743	0	%100
44	MP5A	Y	-8.76	-8.76	0	%100
45	MP4C	Y	-8.76	-8.76	0	%100
46	MP3C	Y	-8.76	-8.76	0	%100
47	MP2C	Y	-8.76	-8.76	0	%100
48	MP1C	Y	-8.76	-8.76	0	%100
49	MP5C	Y	-8.76	-8.76	0	%100
50	MP4B	Y	-8.76	-8.76	0	%100
51	MP3B	Y	-8.76	-8.76	0	%100
52	MP2B	Y	-8.76	-8.76	0	%100
53	MP1B	Y	-8.76	-8.76	0	%100
54	MP5B	Y	-8.76	-8.76	0	%100
55	OVP2	Y	-8.76	-8.76	0	%100
56	OVP1	Y	-8.76	-8.76	0	%100
57	M95A	Y	-11.154	-11.154	0	%100
58	M96A	Y	-11.154	-11.154	0	%100
59	M97A	Y	-11.154	-11.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-24.106	-24.106	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-6.027	-6.027	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-6.027	-6.027	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-6.027	-6.027	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-6.027	-6.027	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-11.332	-11.332	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-24.106	-24.106	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-24.106	-24.106	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-6.027	-6.027	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-11.332	-11.332	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-6.027	-6.027	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	-12.286	-12.286	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	-13.878	-13.878	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
29	M37	X	0	0	0	%100
30	M37	Z	-3.468	-3.468	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	-3.471	-3.471	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	-3.072	-3.072	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	-3.072	-3.072	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-9.542	-9.542	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-9.542	-9.542	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-9.542	-9.542	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-9.542	-9.542	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	-3.352	-3.352	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	-3.351	-3.351	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	-3.345	-3.345	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	-13.392	-13.392	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	-13.392	-13.392	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	-3.344	-3.344	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	-18.08	-18.08	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	-18.08	-18.08	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	-18.08	-18.08	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	-18.08	-18.08	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	-24.106	-24.106	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	-24.106	-24.106	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	-6.027	-6.027	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	-6.027	-6.027	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	-6.027	-6.027	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	-6.027	-6.027	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	-3.072	-3.072	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	-3.072	-3.072	0	%100
85	M110	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
86	M110	Z	-12.287	-12.287	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-9.542	-9.542	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-9.542	-9.542	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-9.542	-9.542	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-9.542	-9.542	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-9.542	-9.542	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-9.542	-9.542	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-9.542	-9.542	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-9.542	-9.542	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-9.542	-9.542	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-9.542	-9.542	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-9.542	-9.542	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	-7.803	-7.803	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	-7.803	-7.803	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	-13.878	-13.878	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	-3.468	-3.468	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	-3.471	-3.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	1.889	1.889	0	%100
2	M4	Z	-3.271	-3.271	0	%100
3	M5	X	9.04	9.04	0	%100
4	M5	Z	-15.657	-15.657	0	%100
5	M6	X	9.04	9.04	0	%100
6	M6	Z	-15.657	-15.657	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	9.04	9.04	0	%100
12	M10	Z	-15.657	-15.657	0	%100
13	M11	X	1.889	1.889	0	%100
14	M11	Z	-3.271	-3.271	0	%100
15	M13	X	9.04	9.04	0	%100
16	M13	Z	-15.657	-15.657	0	%100
17	M20	X	9.04	9.04	0	%100
18	M20	Z	-15.657	-15.657	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M22	X	7.555	7.555	0	%100
22	M22	Z	-13.085	-13.085	0	%100
23	M24	X	9.04	9.04	0	%100
24	M24	Z	-15.657	-15.657	0	%100
25	M34	X	4.607	4.607	0	%100
26	M34	Z	-7.98	-7.98	0	%100
27	M36	X	5.205	5.205	0	%100
28	M36	Z	-9.016	-9.016	0	%100
29	M37	X	5.204	5.204	0	%100
30	M37	Z	-9.013	-9.013	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	4.607	4.607	0	%100
34	M40	Z	-7.98	-7.98	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	4.771	4.771	0	%100
38	MP4A	Z	-8.264	-8.264	0	%100
39	MP3A	X	4.771	4.771	0	%100
40	MP3A	Z	-8.264	-8.264	0	%100
41	MP2A	X	4.771	4.771	0	%100
42	MP2A	Z	-8.264	-8.264	0	%100
43	MP1A	X	4.771	4.771	0	%100
44	MP1A	Z	-8.264	-8.264	0	%100
45	M103	X	1e-6	1e-6	0	%100
46	M103	Z	-1e-6	-1e-6	0	%100
47	M107	X	5.024	5.024	0	%100
48	M107	Z	-8.701	-8.701	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	-1e-6	-1e-6	0	%100
51	M157	X	5.024	5.024	0	%100
52	M157	Z	-8.702	-8.702	0	%100
53	M162	X	5.021	5.021	0	%100
54	M162	Z	-8.696	-8.696	0	%100
55	M165	X	5.02	5.02	0	%100
56	M165	Z	-8.695	-8.695	0	%100
57	M175	X	3.013	3.013	0	%100
58	M175	Z	-5.219	-5.219	0	%100
59	M176	X	3.013	3.013	0	%100
60	M176	Z	-5.219	-5.219	0	%100
61	M177	X	3.013	3.013	0	%100
62	M177	Z	-5.219	-5.219	0	%100
63	M178	X	3.013	3.013	0	%100
64	M178	Z	-5.219	-5.219	0	%100
65	M179	X	12.053	12.053	0	%100
66	M179	Z	-20.877	-20.877	0	%100
67	M180	X	12.053	12.053	0	%100
68	M180	Z	-20.877	-20.877	0	%100
69	M183	X	9.04	9.04	0	%100
70	M183	Z	-15.657	-15.657	0	%100
71	M184	X	9.04	9.04	0	%100
72	M184	Z	-15.657	-15.657	0	%100
73	M188	X	9.04	9.04	0	%100
74	M188	Z	-15.657	-15.657	0	%100
75	M189	X	9.04	9.04	0	%100
76	M189	Z	-15.657	-15.657	0	%100
77	M192	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	4.608	4.608	0	%100
82	M108	Z	-7.98	-7.98	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	4.608	4.608	0	%100
86	M110	Z	-7.98	-7.98	0	%100
87	MP5A	X	4.771	4.771	0	%100
88	MP5A	Z	-8.264	-8.264	0	%100
89	MP4C	X	4.771	4.771	0	%100
90	MP4C	Z	-8.264	-8.264	0	%100
91	MP3C	X	4.771	4.771	0	%100
92	MP3C	Z	-8.264	-8.264	0	%100
93	MP2C	X	4.771	4.771	0	%100
94	MP2C	Z	-8.264	-8.264	0	%100
95	MP1C	X	4.771	4.771	0	%100
96	MP1C	Z	-8.264	-8.264	0	%100
97	MP5C	X	4.771	4.771	0	%100
98	MP5C	Z	-8.264	-8.264	0	%100
99	MP4B	X	4.771	4.771	0	%100
100	MP4B	Z	-8.264	-8.264	0	%100
101	MP3B	X	4.771	4.771	0	%100
102	MP3B	Z	-8.264	-8.264	0	%100
103	MP2B	X	4.771	4.771	0	%100
104	MP2B	Z	-8.264	-8.264	0	%100
105	MP1B	X	4.771	4.771	0	%100
106	MP1B	Z	-8.264	-8.264	0	%100
107	MP5B	X	4.771	4.771	0	%100
108	MP5B	Z	-8.264	-8.264	0	%100
109	OVP2	X	3.901	3.901	0	%100
110	OVP2	Z	-6.757	-6.757	0	%100
111	OVP1	X	3.901	3.901	0	%100
112	OVP1	Z	-6.757	-6.757	0	%100
113	M95A	X	5.205	5.205	0	%100
114	M95A	Z	-9.016	-9.016	0	%100
115	M96A	X	5.204	5.204	0	%100
116	M96A	Z	-9.013	-9.013	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	9.814	9.814	0	%100
2	M4	Z	-5.666	-5.666	0	%100
3	M5	X	5.219	5.219	0	%100
4	M5	Z	-3.013	-3.013	0	%100
5	M6	X	20.877	20.877	0	%100
6	M6	Z	-12.053	-12.053	0	%100
7	M7	X	5.219	5.219	0	%100
8	M7	Z	-3.013	-3.013	0	%100
9	M9	X	5.219	5.219	0	%100
10	M9	Z	-3.013	-3.013	0	%100
11	M10	X	20.877	20.877	0	%100
12	M10	Z	-12.053	-12.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	5.219	5.219	0	%100
16	M13	Z	-3.013	-3.013	0	%100
17	M20	X	5.219	5.219	0	%100
18	M20	Z	-3.013	-3.013	0	%100
19	M21	X	5.219	5.219	0	%100
20	M21	Z	-3.013	-3.013	0	%100
21	M22	X	9.814	9.814	0	%100
22	M22	Z	-5.666	-5.666	0	%100
23	M24	X	20.877	20.877	0	%100
24	M24	Z	-12.053	-12.053	0	%100
25	M34	X	2.66	2.66	0	%100
26	M34	Z	-1.536	-1.536	0	%100
27	M36	X	3.006	3.006	0	%100
28	M36	Z	-1.736	-1.736	0	%100
29	M37	X	12.019	12.019	0	%100
30	M37	Z	-6.939	-6.939	0	%100
31	M38	X	3.003	3.003	0	%100
32	M38	Z	-1.734	-1.734	0	%100
33	M40	X	10.64	10.64	0	%100
34	M40	Z	-6.143	-6.143	0	%100
35	M41	X	2.66	2.66	0	%100
36	M41	Z	-1.536	-1.536	0	%100
37	MP4A	X	8.264	8.264	0	%100
38	MP4A	Z	-4.771	-4.771	0	%100
39	MP3A	X	8.264	8.264	0	%100
40	MP3A	Z	-4.771	-4.771	0	%100
41	MP2A	X	8.264	8.264	0	%100
42	MP2A	Z	-4.771	-4.771	0	%100
43	MP1A	X	8.264	8.264	0	%100
44	MP1A	Z	-4.771	-4.771	0	%100
45	M103	X	2.896	2.896	0	%100
46	M103	Z	-1.672	-1.672	0	%100
47	M107	X	11.598	11.598	0	%100
48	M107	Z	-6.696	-6.696	0	%100
49	M154	X	2.902	2.902	0	%100
50	M154	Z	-1.675	-1.675	0	%100
51	M157	X	2.903	2.903	0	%100
52	M157	Z	-1.676	-1.676	0	%100
53	M162	X	2.897	2.897	0	%100
54	M162	Z	-1.673	-1.673	0	%100
55	M165	X	11.598	11.598	0	%100
56	M165	Z	-6.696	-6.696	0	%100
57	M175	X	15.657	15.657	0	%100
58	M175	Z	-9.04	-9.04	0	%100
59	M176	X	15.657	15.657	0	%100
60	M176	Z	-9.04	-9.04	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	15.657	15.657	0	%100
66	M179	Z	-9.04	-9.04	0	%100
67	M180	X	15.657	15.657	0	%100
68	M180	Z	-9.04	-9.04	0	%100
69	M183	X	5.219	5.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M183	Z	-3.013	-3.013	0	%100
71	M184	X	5.219	5.219	0	%100
72	M184	Z	-3.013	-3.013	0	%100
73	M188	X	20.877	20.877	0	%100
74	M188	Z	-12.053	-12.053	0	%100
75	M189	X	20.877	20.877	0	%100
76	M189	Z	-12.053	-12.053	0	%100
77	M192	X	5.219	5.219	0	%100
78	M192	Z	-3.013	-3.013	0	%100
79	M193	X	5.219	5.219	0	%100
80	M193	Z	-3.013	-3.013	0	%100
81	M108	X	10.641	10.641	0	%100
82	M108	Z	-6.143	-6.143	0	%100
83	M109	X	2.66	2.66	0	%100
84	M109	Z	-1.536	-1.536	0	%100
85	M110	X	2.66	2.66	0	%100
86	M110	Z	-1.536	-1.536	0	%100
87	MP5A	X	8.264	8.264	0	%100
88	MP5A	Z	-4.771	-4.771	0	%100
89	MP4C	X	8.264	8.264	0	%100
90	MP4C	Z	-4.771	-4.771	0	%100
91	MP3C	X	8.264	8.264	0	%100
92	MP3C	Z	-4.771	-4.771	0	%100
93	MP2C	X	8.264	8.264	0	%100
94	MP2C	Z	-4.771	-4.771	0	%100
95	MP1C	X	8.264	8.264	0	%100
96	MP1C	Z	-4.771	-4.771	0	%100
97	MP5C	X	8.264	8.264	0	%100
98	MP5C	Z	-4.771	-4.771	0	%100
99	MP4B	X	8.264	8.264	0	%100
100	MP4B	Z	-4.771	-4.771	0	%100
101	MP3B	X	8.264	8.264	0	%100
102	MP3B	Z	-4.771	-4.771	0	%100
103	MP2B	X	8.264	8.264	0	%100
104	MP2B	Z	-4.771	-4.771	0	%100
105	MP1B	X	8.264	8.264	0	%100
106	MP1B	Z	-4.771	-4.771	0	%100
107	MP5B	X	8.264	8.264	0	%100
108	MP5B	Z	-4.771	-4.771	0	%100
109	OVP2	X	6.757	6.757	0	%100
110	OVP2	Z	-3.901	-3.901	0	%100
111	OVP1	X	6.757	6.757	0	%100
112	OVP1	Z	-3.901	-3.901	0	%100
113	M95A	X	3.006	3.006	0	%100
114	M95A	Z	-1.736	-1.736	0	%100
115	M96A	X	12.019	12.019	0	%100
116	M96A	Z	-6.939	-6.939	0	%100
117	M97A	X	3.003	3.003	0	%100
118	M97A	Z	-1.734	-1.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	15.11	15.11	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
5	M6	X	18.08	18.08	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	18.08	18.08	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	18.08	18.08	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	18.08	18.08	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	3.777	3.777	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	18.08	18.08	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	3.777	3.777	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	18.08	18.08	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	10.41	10.41	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	10.407	10.407	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	9.215	9.215	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	9.215	9.215	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	9.542	9.542	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	9.542	9.542	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	9.542	9.542	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	9.542	9.542	0	%100
44	MP1A	Z	0	0	0	%100
45	M103	X	10.04	10.04	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	10.041	10.041	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	10.047	10.047	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	1e-6	1e-6	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	1e-6	1e-6	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	10.048	10.048	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	24.106	24.106	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	24.106	24.106	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	6.027	6.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
62	M177	Z	0	0	0	%100
63	M178	X	6.027	6.027	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	6.027	6.027	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	6.027	6.027	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	18.08	18.08	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	18.08	18.08	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	18.08	18.08	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	18.08	18.08	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	9.215	9.215	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	9.215	9.215	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	9.542	9.542	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	9.542	9.542	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	9.542	9.542	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	9.542	9.542	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	9.542	9.542	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	9.542	9.542	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	9.542	9.542	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	9.542	9.542	0	%100
102	MP3B	Z	0	0	0	%100
103	MP2B	X	9.542	9.542	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	9.542	9.542	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	9.542	9.542	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	7.803	7.803	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	7.803	7.803	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100
115	M96A	X	10.41	10.41	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	10.407	10.407	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	9.814	9.814	0	%100
2	M4	Z	5.666	5.666	0	%100
3	M5	X	5.219	5.219	0	%100
4	M5	Z	3.013	3.013	0	%100
5	M6	X	5.219	5.219	0	%100
6	M6	Z	3.013	3.013	0	%100
7	M7	X	20.877	20.877	0	%100
8	M7	Z	12.053	12.053	0	%100
9	M9	X	20.877	20.877	0	%100
10	M9	Z	12.053	12.053	0	%100
11	M10	X	5.219	5.219	0	%100
12	M10	Z	3.013	3.013	0	%100
13	M11	X	9.814	9.814	0	%100
14	M11	Z	5.666	5.666	0	%100
15	M13	X	5.219	5.219	0	%100
16	M13	Z	3.013	3.013	0	%100
17	M20	X	5.219	5.219	0	%100
18	M20	Z	3.013	3.013	0	%100
19	M21	X	20.877	20.877	0	%100
20	M21	Z	12.053	12.053	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	5.219	5.219	0	%100
24	M24	Z	3.013	3.013	0	%100
25	M34	X	2.66	2.66	0	%100
26	M34	Z	1.536	1.536	0	%100
27	M36	X	3.003	3.003	0	%100
28	M36	Z	1.734	1.734	0	%100
29	M37	X	3.006	3.006	0	%100
30	M37	Z	1.736	1.736	0	%100
31	M38	X	12.019	12.019	0	%100
32	M38	Z	6.939	6.939	0	%100
33	M40	X	2.66	2.66	0	%100
34	M40	Z	1.536	1.536	0	%100
35	M41	X	10.64	10.64	0	%100
36	M41	Z	6.143	6.143	0	%100
37	MP4A	X	8.264	8.264	0	%100
38	MP4A	Z	4.771	4.771	0	%100
39	MP3A	X	8.264	8.264	0	%100
40	MP3A	Z	4.771	4.771	0	%100
41	MP2A	X	8.264	8.264	0	%100
42	MP2A	Z	4.771	4.771	0	%100
43	MP1A	X	8.264	8.264	0	%100
44	MP1A	Z	4.771	4.771	0	%100
45	M103	X	11.598	11.598	0	%100
46	M103	Z	6.696	6.696	0	%100
47	M107	X	2.897	2.897	0	%100
48	M107	Z	1.673	1.673	0	%100
49	M154	X	11.598	11.598	0	%100
50	M154	Z	6.696	6.696	0	%100
51	M157	X	2.896	2.896	0	%100
52	M157	Z	1.672	1.672	0	%100
53	M162	X	2.902	2.902	0	%100
54	M162	Z	1.675	1.675	0	%100
55	M165	X	2.903	2.903	0	%100
56	M165	Z	1.676	1.676	0	%100
57	M175	X	15.657	15.657	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M175	Z	9.04	9.04	0	%100
59	M176	X	15.657	15.657	0	%100
60	M176	Z	9.04	9.04	0	%100
61	M177	X	15.657	15.657	0	%100
62	M177	Z	9.04	9.04	0	%100
63	M178	X	15.657	15.657	0	%100
64	M178	Z	9.04	9.04	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	5.219	5.219	0	%100
70	M183	Z	3.013	3.013	0	%100
71	M184	X	5.219	5.219	0	%100
72	M184	Z	3.013	3.013	0	%100
73	M188	X	5.219	5.219	0	%100
74	M188	Z	3.013	3.013	0	%100
75	M189	X	5.219	5.219	0	%100
76	M189	Z	3.013	3.013	0	%100
77	M192	X	20.877	20.877	0	%100
78	M192	Z	12.053	12.053	0	%100
79	M193	X	20.877	20.877	0	%100
80	M193	Z	12.053	12.053	0	%100
81	M108	X	2.66	2.66	0	%100
82	M108	Z	1.536	1.536	0	%100
83	M109	X	10.641	10.641	0	%100
84	M109	Z	6.143	6.143	0	%100
85	M110	X	2.66	2.66	0	%100
86	M110	Z	1.536	1.536	0	%100
87	MP5A	X	8.264	8.264	0	%100
88	MP5A	Z	4.771	4.771	0	%100
89	MP4C	X	8.264	8.264	0	%100
90	MP4C	Z	4.771	4.771	0	%100
91	MP3C	X	8.264	8.264	0	%100
92	MP3C	Z	4.771	4.771	0	%100
93	MP2C	X	8.264	8.264	0	%100
94	MP2C	Z	4.771	4.771	0	%100
95	MP1C	X	8.264	8.264	0	%100
96	MP1C	Z	4.771	4.771	0	%100
97	MP5C	X	8.264	8.264	0	%100
98	MP5C	Z	4.771	4.771	0	%100
99	MP4B	X	8.264	8.264	0	%100
100	MP4B	Z	4.771	4.771	0	%100
101	MP3B	X	8.264	8.264	0	%100
102	MP3B	Z	4.771	4.771	0	%100
103	MP2B	X	8.264	8.264	0	%100
104	MP2B	Z	4.771	4.771	0	%100
105	MP1B	X	8.264	8.264	0	%100
106	MP1B	Z	4.771	4.771	0	%100
107	MP5B	X	8.264	8.264	0	%100
108	MP5B	Z	4.771	4.771	0	%100
109	OVP2	X	6.757	6.757	0	%100
110	OVP2	Z	3.901	3.901	0	%100
111	OVP1	X	6.757	6.757	0	%100
112	OVP1	Z	3.901	3.901	0	%100
113	M95A	X	3.003	3.003	0	%100
114	M95A	Z	1.734	1.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
115	M96A	X	3.006	3.006	0	%100
116	M96A	Z	1.736	1.736	0	%100
117	M97A	X	12.019	12.019	0	%100
118	M97A	Z	6.939	6.939	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	1.889	1.889	0	%100
2	M4	Z	3.271	3.271	0	%100
3	M5	X	9.04	9.04	0	%100
4	M5	Z	15.657	15.657	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	9.04	9.04	0	%100
8	M7	Z	15.657	15.657	0	%100
9	M9	X	9.04	9.04	0	%100
10	M9	Z	15.657	15.657	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	7.555	7.555	0	%100
14	M11	Z	13.085	13.085	0	%100
15	M13	X	9.04	9.04	0	%100
16	M13	Z	15.657	15.657	0	%100
17	M20	X	9.04	9.04	0	%100
18	M20	Z	15.657	15.657	0	%100
19	M21	X	9.04	9.04	0	%100
20	M21	Z	15.657	15.657	0	%100
21	M22	X	1.889	1.889	0	%100
22	M22	Z	3.271	3.271	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	4.607	4.607	0	%100
26	M34	Z	7.98	7.98	0	%100
27	M36	X	5.204	5.204	0	%100
28	M36	Z	9.013	9.013	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	5.205	5.205	0	%100
32	M38	Z	9.016	9.016	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	4.607	4.607	0	%100
36	M41	Z	7.98	7.98	0	%100
37	MP4A	X	4.771	4.771	0	%100
38	MP4A	Z	8.264	8.264	0	%100
39	MP3A	X	4.771	4.771	0	%100
40	MP3A	Z	8.264	8.264	0	%100
41	MP2A	X	4.771	4.771	0	%100
42	MP2A	Z	8.264	8.264	0	%100
43	MP1A	X	4.771	4.771	0	%100
44	MP1A	Z	8.264	8.264	0	%100
45	M103	X	5.024	5.024	0	%100
46	M103	Z	8.702	8.702	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	1e-6	1e-6	0	%100
49	M154	X	5.021	5.021	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
50	M154	Z	8.696	8.696	0	%100
51	M157	X	5.02	5.02	0	%100
52	M157	Z	8.695	8.695	0	%100
53	M162	X	5.024	5.024	0	%100
54	M162	Z	8.701	8.701	0	%100
55	M165	X	1e-6	1e-6	0	%100
56	M165	Z	1e-6	1e-6	0	%100
57	M175	X	3.013	3.013	0	%100
58	M175	Z	5.219	5.219	0	%100
59	M176	X	3.013	3.013	0	%100
60	M176	Z	5.219	5.219	0	%100
61	M177	X	12.053	12.053	0	%100
62	M177	Z	20.877	20.877	0	%100
63	M178	X	12.053	12.053	0	%100
64	M178	Z	20.877	20.877	0	%100
65	M179	X	3.013	3.013	0	%100
66	M179	Z	5.219	5.219	0	%100
67	M180	X	3.013	3.013	0	%100
68	M180	Z	5.219	5.219	0	%100
69	M183	X	9.04	9.04	0	%100
70	M183	Z	15.657	15.657	0	%100
71	M184	X	9.04	9.04	0	%100
72	M184	Z	15.657	15.657	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	9.04	9.04	0	%100
78	M192	Z	15.657	15.657	0	%100
79	M193	X	9.04	9.04	0	%100
80	M193	Z	15.657	15.657	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	4.608	4.608	0	%100
84	M109	Z	7.98	7.98	0	%100
85	M110	X	4.608	4.608	0	%100
86	M110	Z	7.98	7.98	0	%100
87	MP5A	X	4.771	4.771	0	%100
88	MP5A	Z	8.264	8.264	0	%100
89	MP4C	X	4.771	4.771	0	%100
90	MP4C	Z	8.264	8.264	0	%100
91	MP3C	X	4.771	4.771	0	%100
92	MP3C	Z	8.264	8.264	0	%100
93	MP2C	X	4.771	4.771	0	%100
94	MP2C	Z	8.264	8.264	0	%100
95	MP1C	X	4.771	4.771	0	%100
96	MP1C	Z	8.264	8.264	0	%100
97	MP5C	X	4.771	4.771	0	%100
98	MP5C	Z	8.264	8.264	0	%100
99	MP4B	X	4.771	4.771	0	%100
100	MP4B	Z	8.264	8.264	0	%100
101	MP3B	X	4.771	4.771	0	%100
102	MP3B	Z	8.264	8.264	0	%100
103	MP2B	X	4.771	4.771	0	%100
104	MP2B	Z	8.264	8.264	0	%100
105	MP1B	X	4.771	4.771	0	%100
106	MP1B	Z	8.264	8.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
107	MP5B	X	4.771	4.771	0	%100
108	MP5B	Z	8.264	8.264	0	%100
109	OVP2	X	3.901	3.901	0	%100
110	OVP2	Z	6.757	6.757	0	%100
111	OVP1	X	3.901	3.901	0	%100
112	OVP1	Z	6.757	6.757	0	%100
113	M95A	X	5.204	5.204	0	%100
114	M95A	Z	9.013	9.013	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	5.205	5.205	0	%100
118	M97A	Z	9.016	9.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	24.106	24.106	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	6.027	6.027	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	6.027	6.027	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	6.027	6.027	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	6.027	6.027	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	11.332	11.332	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	24.106	24.106	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	24.106	24.106	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	6.027	6.027	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	11.332	11.332	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	6.027	6.027	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	12.286	12.286	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	13.878	13.878	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	3.468	3.468	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	3.471	3.471	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	3.072	3.072	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	3.072	3.072	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	9.542	9.542	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	9.542	9.542	0	%100
41	MP2A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
42	MP2A	Z	9.542	9.542	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	9.542	9.542	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	3.352	3.352	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	3.351	3.351	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	3.345	3.345	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	13.392	13.392	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	13.392	13.392	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	3.344	3.344	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	18.08	18.08	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	18.08	18.08	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	18.08	18.08	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	18.08	18.08	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	24.106	24.106	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	24.106	24.106	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	6.027	6.027	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	6.027	6.027	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	6.027	6.027	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	6.027	6.027	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	3.072	3.072	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	3.072	3.072	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	12.287	12.287	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	9.542	9.542	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	9.542	9.542	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	9.542	9.542	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	9.542	9.542	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	9.542	9.542	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	9.542	9.542	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
99	MP4B	X	0	0	0	%100
100	MP4B	Z	9.542	9.542	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	9.542	9.542	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	9.542	9.542	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	9.542	9.542	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	9.542	9.542	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	7.803	7.803	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	7.803	7.803	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	13.878	13.878	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	3.468	3.468	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	3.471	3.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-1.889	-1.889	0	%100
2	M4	Z	3.271	3.271	0	%100
3	M5	X	-9.04	-9.04	0	%100
4	M5	Z	15.657	15.657	0	%100
5	M6	X	-9.04	-9.04	0	%100
6	M6	Z	15.657	15.657	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-9.04	-9.04	0	%100
12	M10	Z	15.657	15.657	0	%100
13	M11	X	-1.889	-1.889	0	%100
14	M11	Z	3.271	3.271	0	%100
15	M13	X	-9.04	-9.04	0	%100
16	M13	Z	15.657	15.657	0	%100
17	M20	X	-9.04	-9.04	0	%100
18	M20	Z	15.657	15.657	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-7.555	-7.555	0	%100
22	M22	Z	13.085	13.085	0	%100
23	M24	X	-9.04	-9.04	0	%100
24	M24	Z	15.657	15.657	0	%100
25	M34	X	-4.607	-4.607	0	%100
26	M34	Z	7.98	7.98	0	%100
27	M36	X	-5.205	-5.205	0	%100
28	M36	Z	9.016	9.016	0	%100
29	M37	X	-5.204	-5.204	0	%100
30	M37	Z	9.013	9.013	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-4.607	-4.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
34	M40	Z	7.98	7.98	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	-4.771	-4.771	0	%100
38	MP4A	Z	8.264	8.264	0	%100
39	MP3A	X	-4.771	-4.771	0	%100
40	MP3A	Z	8.264	8.264	0	%100
41	MP2A	X	-4.771	-4.771	0	%100
42	MP2A	Z	8.264	8.264	0	%100
43	MP1A	X	-4.771	-4.771	0	%100
44	MP1A	Z	8.264	8.264	0	%100
45	M103	X	-1e-6	-1e-6	0	%100
46	M103	Z	1e-6	1e-6	0	%100
47	M107	X	-5.024	-5.024	0	%100
48	M107	Z	8.701	8.701	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	1e-6	1e-6	0	%100
51	M157	X	-5.024	-5.024	0	%100
52	M157	Z	8.702	8.702	0	%100
53	M162	X	-5.021	-5.021	0	%100
54	M162	Z	8.696	8.696	0	%100
55	M165	X	-5.02	-5.02	0	%100
56	M165	Z	8.695	8.695	0	%100
57	M175	X	-3.013	-3.013	0	%100
58	M175	Z	5.219	5.219	0	%100
59	M176	X	-3.013	-3.013	0	%100
60	M176	Z	5.219	5.219	0	%100
61	M177	X	-3.013	-3.013	0	%100
62	M177	Z	5.219	5.219	0	%100
63	M178	X	-3.013	-3.013	0	%100
64	M178	Z	5.219	5.219	0	%100
65	M179	X	-12.053	-12.053	0	%100
66	M179	Z	20.877	20.877	0	%100
67	M180	X	-12.053	-12.053	0	%100
68	M180	Z	20.877	20.877	0	%100
69	M183	X	-9.04	-9.04	0	%100
70	M183	Z	15.657	15.657	0	%100
71	M184	X	-9.04	-9.04	0	%100
72	M184	Z	15.657	15.657	0	%100
73	M188	X	-9.04	-9.04	0	%100
74	M188	Z	15.657	15.657	0	%100
75	M189	X	-9.04	-9.04	0	%100
76	M189	Z	15.657	15.657	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-4.608	-4.608	0	%100
82	M108	Z	7.98	7.98	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	-4.608	-4.608	0	%100
86	M110	Z	7.98	7.98	0	%100
87	MP5A	X	-4.771	-4.771	0	%100
88	MP5A	Z	8.264	8.264	0	%100
89	MP4C	X	-4.771	-4.771	0	%100
90	MP4C	Z	8.264	8.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
91	MP3C	X	-4.771	-4.771	0	%100
92	MP3C	Z	8.264	8.264	0	%100
93	MP2C	X	-4.771	-4.771	0	%100
94	MP2C	Z	8.264	8.264	0	%100
95	MP1C	X	-4.771	-4.771	0	%100
96	MP1C	Z	8.264	8.264	0	%100
97	MP5C	X	-4.771	-4.771	0	%100
98	MP5C	Z	8.264	8.264	0	%100
99	MP4B	X	-4.771	-4.771	0	%100
100	MP4B	Z	8.264	8.264	0	%100
101	MP3B	X	-4.771	-4.771	0	%100
102	MP3B	Z	8.264	8.264	0	%100
103	MP2B	X	-4.771	-4.771	0	%100
104	MP2B	Z	8.264	8.264	0	%100
105	MP1B	X	-4.771	-4.771	0	%100
106	MP1B	Z	8.264	8.264	0	%100
107	MP5B	X	-4.771	-4.771	0	%100
108	MP5B	Z	8.264	8.264	0	%100
109	OVP2	X	-3.901	-3.901	0	%100
110	OVP2	Z	6.757	6.757	0	%100
111	OVP1	X	-3.901	-3.901	0	%100
112	OVP1	Z	6.757	6.757	0	%100
113	M95A	X	-5.205	-5.205	0	%100
114	M95A	Z	9.016	9.016	0	%100
115	M96A	X	-5.204	-5.204	0	%100
116	M96A	Z	9.013	9.013	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-9.814	-9.814	0	%100
2	M4	Z	5.666	5.666	0	%100
3	M5	X	-5.219	-5.219	0	%100
4	M5	Z	3.013	3.013	0	%100
5	M6	X	-20.877	-20.877	0	%100
6	M6	Z	12.053	12.053	0	%100
7	M7	X	-5.219	-5.219	0	%100
8	M7	Z	3.013	3.013	0	%100
9	M9	X	-5.219	-5.219	0	%100
10	M9	Z	3.013	3.013	0	%100
11	M10	X	-20.877	-20.877	0	%100
12	M10	Z	12.053	12.053	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-5.219	-5.219	0	%100
16	M13	Z	3.013	3.013	0	%100
17	M20	X	-5.219	-5.219	0	%100
18	M20	Z	3.013	3.013	0	%100
19	M21	X	-5.219	-5.219	0	%100
20	M21	Z	3.013	3.013	0	%100
21	M22	X	-9.814	-9.814	0	%100
22	M22	Z	5.666	5.666	0	%100
23	M24	X	-20.877	-20.877	0	%100
24	M24	Z	12.053	12.053	0	%100
25	M34	X	-2.66	-2.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
26	M34	Z	1.536	1.536	0	%100
27	M36	X	-3.006	-3.006	0	%100
28	M36	Z	1.736	1.736	0	%100
29	M37	X	-12.019	-12.019	0	%100
30	M37	Z	6.939	6.939	0	%100
31	M38	X	-3.003	-3.003	0	%100
32	M38	Z	1.734	1.734	0	%100
33	M40	X	-10.64	-10.64	0	%100
34	M40	Z	6.143	6.143	0	%100
35	M41	X	-2.66	-2.66	0	%100
36	M41	Z	1.536	1.536	0	%100
37	MP4A	X	-8.264	-8.264	0	%100
38	MP4A	Z	4.771	4.771	0	%100
39	MP3A	X	-8.264	-8.264	0	%100
40	MP3A	Z	4.771	4.771	0	%100
41	MP2A	X	-8.264	-8.264	0	%100
42	MP2A	Z	4.771	4.771	0	%100
43	MP1A	X	-8.264	-8.264	0	%100
44	MP1A	Z	4.771	4.771	0	%100
45	M103	X	-2.896	-2.896	0	%100
46	M103	Z	1.672	1.672	0	%100
47	M107	X	-11.598	-11.598	0	%100
48	M107	Z	6.696	6.696	0	%100
49	M154	X	-2.902	-2.902	0	%100
50	M154	Z	1.675	1.675	0	%100
51	M157	X	-2.903	-2.903	0	%100
52	M157	Z	1.676	1.676	0	%100
53	M162	X	-2.897	-2.897	0	%100
54	M162	Z	1.673	1.673	0	%100
55	M165	X	-11.598	-11.598	0	%100
56	M165	Z	6.696	6.696	0	%100
57	M175	X	-15.657	-15.657	0	%100
58	M175	Z	9.04	9.04	0	%100
59	M176	X	-15.657	-15.657	0	%100
60	M176	Z	9.04	9.04	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-15.657	-15.657	0	%100
66	M179	Z	9.04	9.04	0	%100
67	M180	X	-15.657	-15.657	0	%100
68	M180	Z	9.04	9.04	0	%100
69	M183	X	-5.219	-5.219	0	%100
70	M183	Z	3.013	3.013	0	%100
71	M184	X	-5.219	-5.219	0	%100
72	M184	Z	3.013	3.013	0	%100
73	M188	X	-20.877	-20.877	0	%100
74	M188	Z	12.053	12.053	0	%100
75	M189	X	-20.877	-20.877	0	%100
76	M189	Z	12.053	12.053	0	%100
77	M192	X	-5.219	-5.219	0	%100
78	M192	Z	3.013	3.013	0	%100
79	M193	X	-5.219	-5.219	0	%100
80	M193	Z	3.013	3.013	0	%100
81	M108	X	-10.641	-10.641	0	%100
82	M108	Z	6.143	6.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M109	X	-2.66	-2.66	0	%100
84	M109	Z	1.536	1.536	0	%100
85	M110	X	-2.66	-2.66	0	%100
86	M110	Z	1.536	1.536	0	%100
87	MP5A	X	-8.264	-8.264	0	%100
88	MP5A	Z	4.771	4.771	0	%100
89	MP4C	X	-8.264	-8.264	0	%100
90	MP4C	Z	4.771	4.771	0	%100
91	MP3C	X	-8.264	-8.264	0	%100
92	MP3C	Z	4.771	4.771	0	%100
93	MP2C	X	-8.264	-8.264	0	%100
94	MP2C	Z	4.771	4.771	0	%100
95	MP1C	X	-8.264	-8.264	0	%100
96	MP1C	Z	4.771	4.771	0	%100
97	MP5C	X	-8.264	-8.264	0	%100
98	MP5C	Z	4.771	4.771	0	%100
99	MP4B	X	-8.264	-8.264	0	%100
100	MP4B	Z	4.771	4.771	0	%100
101	MP3B	X	-8.264	-8.264	0	%100
102	MP3B	Z	4.771	4.771	0	%100
103	MP2B	X	-8.264	-8.264	0	%100
104	MP2B	Z	4.771	4.771	0	%100
105	MP1B	X	-8.264	-8.264	0	%100
106	MP1B	Z	4.771	4.771	0	%100
107	MP5B	X	-8.264	-8.264	0	%100
108	MP5B	Z	4.771	4.771	0	%100
109	OVP2	X	-6.757	-6.757	0	%100
110	OVP2	Z	3.901	3.901	0	%100
111	OVP1	X	-6.757	-6.757	0	%100
112	OVP1	Z	3.901	3.901	0	%100
113	M95A	X	-3.006	-3.006	0	%100
114	M95A	Z	1.736	1.736	0	%100
115	M96A	X	-12.019	-12.019	0	%100
116	M96A	Z	6.939	6.939	0	%100
117	M97A	X	-3.003	-3.003	0	%100
118	M97A	Z	1.734	1.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-15.11	-15.11	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-18.08	-18.08	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-18.08	-18.08	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-18.08	-18.08	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-18.08	-18.08	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-3.777	-3.777	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M20	Z	0	0	0	%100
19	M21	X	-18.08	-18.08	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-3.777	-3.777	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-18.08	-18.08	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-10.41	-10.41	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-10.407	-10.407	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-9.215	-9.215	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-9.215	-9.215	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	-9.542	-9.542	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-9.542	-9.542	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-9.542	-9.542	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-9.542	-9.542	0	%100
44	MP1A	Z	0	0	0	%100
45	M103	X	-10.04	-10.04	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	-10.041	-10.041	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	-10.047	-10.047	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	-1e-6	-1e-6	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	-1e-6	-1e-6	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	-10.048	-10.048	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	-24.106	-24.106	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	-24.106	-24.106	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	-6.027	-6.027	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	-6.027	-6.027	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-6.027	-6.027	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	-6.027	-6.027	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	-18.08	-18.08	0	%100
74	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
75	M189	X	-18.08	-18.08	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	-18.08	-18.08	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	-18.08	-18.08	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-9.215	-9.215	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-9.215	-9.215	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	-9.542	-9.542	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	-9.542	-9.542	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-9.542	-9.542	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-9.542	-9.542	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-9.542	-9.542	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-9.542	-9.542	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	-9.542	-9.542	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	-9.542	-9.542	0	%100
102	MP3B	Z	0	0	0	%100
103	MP2B	X	-9.542	-9.542	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-9.542	-9.542	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-9.542	-9.542	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	-7.803	-7.803	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	-7.803	-7.803	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100
115	M96A	X	-10.41	-10.41	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	-10.407	-10.407	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-9.814	-9.814	0	%100
2	M4	Z	-5.666	-5.666	0	%100
3	M5	X	-5.219	-5.219	0	%100
4	M5	Z	-3.013	-3.013	0	%100
5	M6	X	-5.219	-5.219	0	%100
6	M6	Z	-3.013	-3.013	0	%100
7	M7	X	-20.877	-20.877	0	%100
8	M7	Z	-12.053	-12.053	0	%100
9	M9	X	-20.877	-20.877	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
10	M9	Z	-12.053	-12.053	0	%100
11	M10	X	-5.219	-5.219	0	%100
12	M10	Z	-3.013	-3.013	0	%100
13	M11	X	-9.814	-9.814	0	%100
14	M11	Z	-5.666	-5.666	0	%100
15	M13	X	-5.219	-5.219	0	%100
16	M13	Z	-3.013	-3.013	0	%100
17	M20	X	-5.219	-5.219	0	%100
18	M20	Z	-3.013	-3.013	0	%100
19	M21	X	-20.877	-20.877	0	%100
20	M21	Z	-12.053	-12.053	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-5.219	-5.219	0	%100
24	M24	Z	-3.013	-3.013	0	%100
25	M34	X	-2.66	-2.66	0	%100
26	M34	Z	-1.536	-1.536	0	%100
27	M36	X	-3.003	-3.003	0	%100
28	M36	Z	-1.734	-1.734	0	%100
29	M37	X	-3.006	-3.006	0	%100
30	M37	Z	-1.736	-1.736	0	%100
31	M38	X	-12.019	-12.019	0	%100
32	M38	Z	-6.939	-6.939	0	%100
33	M40	X	-2.66	-2.66	0	%100
34	M40	Z	-1.536	-1.536	0	%100
35	M41	X	-10.64	-10.64	0	%100
36	M41	Z	-6.143	-6.143	0	%100
37	MP4A	X	-8.264	-8.264	0	%100
38	MP4A	Z	-4.771	-4.771	0	%100
39	MP3A	X	-8.264	-8.264	0	%100
40	MP3A	Z	-4.771	-4.771	0	%100
41	MP2A	X	-8.264	-8.264	0	%100
42	MP2A	Z	-4.771	-4.771	0	%100
43	MP1A	X	-8.264	-8.264	0	%100
44	MP1A	Z	-4.771	-4.771	0	%100
45	M103	X	-11.598	-11.598	0	%100
46	M103	Z	-6.696	-6.696	0	%100
47	M107	X	-2.897	-2.897	0	%100
48	M107	Z	-1.673	-1.673	0	%100
49	M154	X	-11.598	-11.598	0	%100
50	M154	Z	-6.696	-6.696	0	%100
51	M157	X	-2.896	-2.896	0	%100
52	M157	Z	-1.672	-1.672	0	%100
53	M162	X	-2.902	-2.902	0	%100
54	M162	Z	-1.675	-1.675	0	%100
55	M165	X	-2.903	-2.903	0	%100
56	M165	Z	-1.676	-1.676	0	%100
57	M175	X	-15.657	-15.657	0	%100
58	M175	Z	-9.04	-9.04	0	%100
59	M176	X	-15.657	-15.657	0	%100
60	M176	Z	-9.04	-9.04	0	%100
61	M177	X	-15.657	-15.657	0	%100
62	M177	Z	-9.04	-9.04	0	%100
63	M178	X	-15.657	-15.657	0	%100
64	M178	Z	-9.04	-9.04	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	-5.219	-5.219	0	%100
70	M183	Z	-3.013	-3.013	0	%100
71	M184	X	-5.219	-5.219	0	%100
72	M184	Z	-3.013	-3.013	0	%100
73	M188	X	-5.219	-5.219	0	%100
74	M188	Z	-3.013	-3.013	0	%100
75	M189	X	-5.219	-5.219	0	%100
76	M189	Z	-3.013	-3.013	0	%100
77	M192	X	-20.877	-20.877	0	%100
78	M192	Z	-12.053	-12.053	0	%100
79	M193	X	-20.877	-20.877	0	%100
80	M193	Z	-12.053	-12.053	0	%100
81	M108	X	-2.66	-2.66	0	%100
82	M108	Z	-1.536	-1.536	0	%100
83	M109	X	-10.641	-10.641	0	%100
84	M109	Z	-6.143	-6.143	0	%100
85	M110	X	-2.66	-2.66	0	%100
86	M110	Z	-1.536	-1.536	0	%100
87	MP5A	X	-8.264	-8.264	0	%100
88	MP5A	Z	-4.771	-4.771	0	%100
89	MP4C	X	-8.264	-8.264	0	%100
90	MP4C	Z	-4.771	-4.771	0	%100
91	MP3C	X	-8.264	-8.264	0	%100
92	MP3C	Z	-4.771	-4.771	0	%100
93	MP2C	X	-8.264	-8.264	0	%100
94	MP2C	Z	-4.771	-4.771	0	%100
95	MP1C	X	-8.264	-8.264	0	%100
96	MP1C	Z	-4.771	-4.771	0	%100
97	MP5C	X	-8.264	-8.264	0	%100
98	MP5C	Z	-4.771	-4.771	0	%100
99	MP4B	X	-8.264	-8.264	0	%100
100	MP4B	Z	-4.771	-4.771	0	%100
101	MP3B	X	-8.264	-8.264	0	%100
102	MP3B	Z	-4.771	-4.771	0	%100
103	MP2B	X	-8.264	-8.264	0	%100
104	MP2B	Z	-4.771	-4.771	0	%100
105	MP1B	X	-8.264	-8.264	0	%100
106	MP1B	Z	-4.771	-4.771	0	%100
107	MP5B	X	-8.264	-8.264	0	%100
108	MP5B	Z	-4.771	-4.771	0	%100
109	OVP2	X	-6.757	-6.757	0	%100
110	OVP2	Z	-3.901	-3.901	0	%100
111	OVP1	X	-6.757	-6.757	0	%100
112	OVP1	Z	-3.901	-3.901	0	%100
113	M95A	X	-3.003	-3.003	0	%100
114	M95A	Z	-1.734	-1.734	0	%100
115	M96A	X	-3.006	-3.006	0	%100
116	M96A	Z	-1.736	-1.736	0	%100
117	M97A	X	-12.019	-12.019	0	%100
118	M97A	Z	-6.939	-6.939	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-1.889	-1.889	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	M4	Z	-3.271	-3.271	0	%100
3	M5	X	-9.04	-9.04	0	%100
4	M5	Z	-15.657	-15.657	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-9.04	-9.04	0	%100
8	M7	Z	-15.657	-15.657	0	%100
9	M9	X	-9.04	-9.04	0	%100
10	M9	Z	-15.657	-15.657	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-7.555	-7.555	0	%100
14	M11	Z	-13.085	-13.085	0	%100
15	M13	X	-9.04	-9.04	0	%100
16	M13	Z	-15.657	-15.657	0	%100
17	M20	X	-9.04	-9.04	0	%100
18	M20	Z	-15.657	-15.657	0	%100
19	M21	X	-9.04	-9.04	0	%100
20	M21	Z	-15.657	-15.657	0	%100
21	M22	X	-1.889	-1.889	0	%100
22	M22	Z	-3.271	-3.271	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	-4.607	-4.607	0	%100
26	M34	Z	-7.98	-7.98	0	%100
27	M36	X	-5.204	-5.204	0	%100
28	M36	Z	-9.013	-9.013	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-5.205	-5.205	0	%100
32	M38	Z	-9.016	-9.016	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-4.607	-4.607	0	%100
36	M41	Z	-7.98	-7.98	0	%100
37	MP4A	X	-4.771	-4.771	0	%100
38	MP4A	Z	-8.264	-8.264	0	%100
39	MP3A	X	-4.771	-4.771	0	%100
40	MP3A	Z	-8.264	-8.264	0	%100
41	MP2A	X	-4.771	-4.771	0	%100
42	MP2A	Z	-8.264	-8.264	0	%100
43	MP1A	X	-4.771	-4.771	0	%100
44	MP1A	Z	-8.264	-8.264	0	%100
45	M103	X	-5.024	-5.024	0	%100
46	M103	Z	-8.702	-8.702	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	-1e-6	-1e-6	0	%100
49	M154	X	-5.021	-5.021	0	%100
50	M154	Z	-8.696	-8.696	0	%100
51	M157	X	-5.02	-5.02	0	%100
52	M157	Z	-8.695	-8.695	0	%100
53	M162	X	-5.024	-5.024	0	%100
54	M162	Z	-8.701	-8.701	0	%100
55	M165	X	-1e-6	-1e-6	0	%100
56	M165	Z	-1e-6	-1e-6	0	%100
57	M175	X	-3.013	-3.013	0	%100
58	M175	Z	-5.219	-5.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
59	M176	X	-3.013	-3.013	0	%100
60	M176	Z	-5.219	-5.219	0	%100
61	M177	X	-12.053	-12.053	0	%100
62	M177	Z	-20.877	-20.877	0	%100
63	M178	X	-12.053	-12.053	0	%100
64	M178	Z	-20.877	-20.877	0	%100
65	M179	X	-3.013	-3.013	0	%100
66	M179	Z	-5.219	-5.219	0	%100
67	M180	X	-3.013	-3.013	0	%100
68	M180	Z	-5.219	-5.219	0	%100
69	M183	X	-9.04	-9.04	0	%100
70	M183	Z	-15.657	-15.657	0	%100
71	M184	X	-9.04	-9.04	0	%100
72	M184	Z	-15.657	-15.657	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	-9.04	-9.04	0	%100
78	M192	Z	-15.657	-15.657	0	%100
79	M193	X	-9.04	-9.04	0	%100
80	M193	Z	-15.657	-15.657	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-4.608	-4.608	0	%100
84	M109	Z	-7.98	-7.98	0	%100
85	M110	X	-4.608	-4.608	0	%100
86	M110	Z	-7.98	-7.98	0	%100
87	MP5A	X	-4.771	-4.771	0	%100
88	MP5A	Z	-8.264	-8.264	0	%100
89	MP4C	X	-4.771	-4.771	0	%100
90	MP4C	Z	-8.264	-8.264	0	%100
91	MP3C	X	-4.771	-4.771	0	%100
92	MP3C	Z	-8.264	-8.264	0	%100
93	MP2C	X	-4.771	-4.771	0	%100
94	MP2C	Z	-8.264	-8.264	0	%100
95	MP1C	X	-4.771	-4.771	0	%100
96	MP1C	Z	-8.264	-8.264	0	%100
97	MP5C	X	-4.771	-4.771	0	%100
98	MP5C	Z	-8.264	-8.264	0	%100
99	MP4B	X	-4.771	-4.771	0	%100
100	MP4B	Z	-8.264	-8.264	0	%100
101	MP3B	X	-4.771	-4.771	0	%100
102	MP3B	Z	-8.264	-8.264	0	%100
103	MP2B	X	-4.771	-4.771	0	%100
104	MP2B	Z	-8.264	-8.264	0	%100
105	MP1B	X	-4.771	-4.771	0	%100
106	MP1B	Z	-8.264	-8.264	0	%100
107	MP5B	X	-4.771	-4.771	0	%100
108	MP5B	Z	-8.264	-8.264	0	%100
109	OVP2	X	-3.901	-3.901	0	%100
110	OVP2	Z	-6.757	-6.757	0	%100
111	OVP1	X	-3.901	-3.901	0	%100
112	OVP1	Z	-6.757	-6.757	0	%100
113	M95A	X	-5.204	-5.204	0	%100
114	M95A	Z	-9.013	-9.013	0	%100
115	M96A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
116	M96A	Z	0	0	0	%100
117	M97A	X	-5.205	-5.205	0	%100
118	M97A	Z	-9.016	-9.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-5.995	-5.995	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-1.499	-1.499	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-1.499	-1.499	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.499	-1.499	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-1.499	-1.499	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-3.93	-3.93	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-5.995	-5.995	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-5.995	-5.995	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-1.499	-1.499	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-3.93	-3.93	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-1.499	-1.499	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	-4.116	-4.116	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	-5.213	-5.213	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	-1.303	-1.303	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	-1.304	-1.304	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	-1.029	-1.029	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	-1.029	-1.029	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-4.373	-4.373	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-4.164	-4.164	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-4.373	-4.373	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-4.164	-4.164	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	-1.155	-1.155	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	-1.155	-1.155	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	-1.153	-1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
51	M157	X	0	0	0	%100
52	M157	Z	-4.617	-4.617	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	-4.616	-4.616	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	-1.153	-1.153	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	-4.497	-4.497	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	-4.497	-4.497	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	-4.497	-4.497	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	-4.497	-4.497	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	-5.995	-5.995	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	-5.995	-5.995	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	-1.499	-1.499	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	-1.499	-1.499	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	-1.499	-1.499	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	-1.499	-1.499	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	-1.029	-1.029	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	-1.029	-1.029	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	-4.116	-4.116	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-4.164	-4.164	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-4.373	-4.373	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-4.164	-4.164	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-4.373	-4.373	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-4.164	-4.164	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-4.164	-4.164	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-4.373	-4.373	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-4.164	-4.164	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-4.373	-4.373	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-4.164	-4.164	0	%100
107	MP5B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
108	MP5B	Z	-4.164	-4.164	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	-3.344	-3.344	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	-3.344	-3.344	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	-5.213	-5.213	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	-1.303	-1.303	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	-1.304	-1.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.655	.655	0	%100
2	M4	Z	-1.134	-1.134	0	%100
3	M5	X	2.248	2.248	0	%100
4	M5	Z	-3.894	-3.894	0	%100
5	M6	X	2.248	2.248	0	%100
6	M6	Z	-3.894	-3.894	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	2.248	2.248	0	%100
12	M10	Z	-3.894	-3.894	0	%100
13	M11	X	.655	.655	0	%100
14	M11	Z	-1.134	-1.134	0	%100
15	M13	X	2.248	2.248	0	%100
16	M13	Z	-3.894	-3.894	0	%100
17	M20	X	2.248	2.248	0	%100
18	M20	Z	-3.894	-3.894	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	2.62	2.62	0	%100
22	M22	Z	-4.538	-4.538	0	%100
23	M24	X	2.248	2.248	0	%100
24	M24	Z	-3.894	-3.894	0	%100
25	M34	X	1.543	1.543	0	%100
26	M34	Z	-2.673	-2.673	0	%100
27	M36	X	1.955	1.955	0	%100
28	M36	Z	-3.386	-3.386	0	%100
29	M37	X	1.954	1.954	0	%100
30	M37	Z	-3.385	-3.385	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	1.543	1.543	0	%100
34	M40	Z	-2.673	-2.673	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	2.186	2.186	0	%100
38	MP4A	Z	-3.787	-3.787	0	%100
39	MP3A	X	2.082	2.082	0	%100
40	MP3A	Z	-3.607	-3.607	0	%100
41	MP2A	X	2.186	2.186	0	%100
42	MP2A	Z	-3.787	-3.787	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
43	MP1A	X	2.082	2.082	0	%100
44	MP1A	Z	-3.607	-3.607	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	1.732	1.732	0	%100
48	M107	Z	-2.999	-2.999	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	1.732	1.732	0	%100
52	M157	Z	-3	-3	0	%100
53	M162	X	1.731	1.731	0	%100
54	M162	Z	-2.998	-2.998	0	%100
55	M165	X	1.731	1.731	0	%100
56	M165	Z	-2.997	-2.997	0	%100
57	M175	X	.749	.749	0	%100
58	M175	Z	-1.298	-1.298	0	%100
59	M176	X	.749	.749	0	%100
60	M176	Z	-1.298	-1.298	0	%100
61	M177	X	.749	.749	0	%100
62	M177	Z	-1.298	-1.298	0	%100
63	M178	X	.749	.749	0	%100
64	M178	Z	-1.298	-1.298	0	%100
65	M179	X	2.998	2.998	0	%100
66	M179	Z	-5.192	-5.192	0	%100
67	M180	X	2.998	2.998	0	%100
68	M180	Z	-5.192	-5.192	0	%100
69	M183	X	2.248	2.248	0	%100
70	M183	Z	-3.894	-3.894	0	%100
71	M184	X	2.248	2.248	0	%100
72	M184	Z	-3.894	-3.894	0	%100
73	M188	X	2.248	2.248	0	%100
74	M188	Z	-3.894	-3.894	0	%100
75	M189	X	2.248	2.248	0	%100
76	M189	Z	-3.894	-3.894	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	1.543	1.543	0	%100
82	M108	Z	-2.673	-2.673	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	1.543	1.543	0	%100
86	M110	Z	-2.673	-2.673	0	%100
87	MP5A	X	2.082	2.082	0	%100
88	MP5A	Z	-3.607	-3.607	0	%100
89	MP4C	X	2.186	2.186	0	%100
90	MP4C	Z	-3.787	-3.787	0	%100
91	MP3C	X	2.082	2.082	0	%100
92	MP3C	Z	-3.607	-3.607	0	%100
93	MP2C	X	2.186	2.186	0	%100
94	MP2C	Z	-3.787	-3.787	0	%100
95	MP1C	X	2.082	2.082	0	%100
96	MP1C	Z	-3.607	-3.607	0	%100
97	MP5C	X	2.082	2.082	0	%100
98	MP5C	Z	-3.607	-3.607	0	%100
99	MP4B	X	2.186	2.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
100	MP4B	Z	-3.787	-3.787	0	%100
101	MP3B	X	2.082	2.082	0	%100
102	MP3B	Z	-3.607	-3.607	0	%100
103	MP2B	X	2.186	2.186	0	%100
104	MP2B	Z	-3.787	-3.787	0	%100
105	MP1B	X	2.082	2.082	0	%100
106	MP1B	Z	-3.607	-3.607	0	%100
107	MP5B	X	2.082	2.082	0	%100
108	MP5B	Z	-3.607	-3.607	0	%100
109	OVP2	X	1.672	1.672	0	%100
110	OVP2	Z	-2.896	-2.896	0	%100
111	OVP1	X	1.672	1.672	0	%100
112	OVP1	Z	-2.896	-2.896	0	%100
113	M95A	X	1.955	1.955	0	%100
114	M95A	Z	-3.386	-3.386	0	%100
115	M96A	X	1.954	1.954	0	%100
116	M96A	Z	-3.385	-3.385	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	3.403	3.403	0	%100
2	M4	Z	-1.965	-1.965	0	%100
3	M5	X	1.298	1.298	0	%100
4	M5	Z	-.749	-.749	0	%100
5	M6	X	5.192	5.192	0	%100
6	M6	Z	-2.998	-2.998	0	%100
7	M7	X	1.298	1.298	0	%100
8	M7	Z	-.749	-.749	0	%100
9	M9	X	1.298	1.298	0	%100
10	M9	Z	-.749	-.749	0	%100
11	M10	X	5.192	5.192	0	%100
12	M10	Z	-2.998	-2.998	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	1.298	1.298	0	%100
16	M13	Z	-.749	-.749	0	%100
17	M20	X	1.298	1.298	0	%100
18	M20	Z	-.749	-.749	0	%100
19	M21	X	1.298	1.298	0	%100
20	M21	Z	-.749	-.749	0	%100
21	M22	X	3.403	3.403	0	%100
22	M22	Z	-1.965	-1.965	0	%100
23	M24	X	5.192	5.192	0	%100
24	M24	Z	-2.998	-2.998	0	%100
25	M34	X	.891	.891	0	%100
26	M34	Z	-.514	-.514	0	%100
27	M36	X	1.129	1.129	0	%100
28	M36	Z	-.652	-.652	0	%100
29	M37	X	4.514	4.514	0	%100
30	M37	Z	-2.606	-2.606	0	%100
31	M38	X	1.128	1.128	0	%100
32	M38	Z	-.651	-.651	0	%100
33	M40	X	3.564	3.564	0	%100
34	M40	Z	-2.058	-2.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
35	M41	X	.891	.891	0	%100
36	M41	Z	-.514	-.514	0	%100
37	MP4A	X	3.787	3.787	0	%100
38	MP4A	Z	-2.186	-2.186	0	%100
39	MP3A	X	3.607	3.607	0	%100
40	MP3A	Z	-2.082	-2.082	0	%100
41	MP2A	X	3.787	3.787	0	%100
42	MP2A	Z	-2.186	-2.186	0	%100
43	MP1A	X	3.607	3.607	0	%100
44	MP1A	Z	-2.082	-2.082	0	%100
45	M103	X	.998	.998	0	%100
46	M103	Z	-.576	-.576	0	%100
47	M107	X	3.998	3.998	0	%100
48	M107	Z	-2.308	-2.308	0	%100
49	M154	X	1	1	0	%100
50	M154	Z	-.578	-.578	0	%100
51	M157	X	1.001	1.001	0	%100
52	M157	Z	-.578	-.578	0	%100
53	M162	X	.999	.999	0	%100
54	M162	Z	-.577	-.577	0	%100
55	M165	X	3.998	3.998	0	%100
56	M165	Z	-2.308	-2.308	0	%100
57	M175	X	3.894	3.894	0	%100
58	M175	Z	-2.248	-2.248	0	%100
59	M176	X	3.894	3.894	0	%100
60	M176	Z	-2.248	-2.248	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	3.894	3.894	0	%100
66	M179	Z	-2.248	-2.248	0	%100
67	M180	X	3.894	3.894	0	%100
68	M180	Z	-2.248	-2.248	0	%100
69	M183	X	1.298	1.298	0	%100
70	M183	Z	-.749	-.749	0	%100
71	M184	X	1.298	1.298	0	%100
72	M184	Z	-.749	-.749	0	%100
73	M188	X	5.192	5.192	0	%100
74	M188	Z	-2.998	-2.998	0	%100
75	M189	X	5.192	5.192	0	%100
76	M189	Z	-2.998	-2.998	0	%100
77	M192	X	1.298	1.298	0	%100
78	M192	Z	-.749	-.749	0	%100
79	M193	X	1.298	1.298	0	%100
80	M193	Z	-.749	-.749	0	%100
81	M108	X	3.564	3.564	0	%100
82	M108	Z	-2.058	-2.058	0	%100
83	M109	X	.891	.891	0	%100
84	M109	Z	-.514	-.514	0	%100
85	M110	X	.891	.891	0	%100
86	M110	Z	-.514	-.514	0	%100
87	MP5A	X	3.607	3.607	0	%100
88	MP5A	Z	-2.082	-2.082	0	%100
89	MP4C	X	3.787	3.787	0	%100
90	MP4C	Z	-2.186	-2.186	0	%100
91	MP3C	X	3.607	3.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
92	MP3C	Z	-2.082	-2.082	0	%100
93	MP2C	X	3.787	3.787	0	%100
94	MP2C	Z	-2.186	-2.186	0	%100
95	MP1C	X	3.607	3.607	0	%100
96	MP1C	Z	-2.082	-2.082	0	%100
97	MP5C	X	3.607	3.607	0	%100
98	MP5C	Z	-2.082	-2.082	0	%100
99	MP4B	X	3.787	3.787	0	%100
100	MP4B	Z	-2.186	-2.186	0	%100
101	MP3B	X	3.607	3.607	0	%100
102	MP3B	Z	-2.082	-2.082	0	%100
103	MP2B	X	3.787	3.787	0	%100
104	MP2B	Z	-2.186	-2.186	0	%100
105	MP1B	X	3.607	3.607	0	%100
106	MP1B	Z	-2.082	-2.082	0	%100
107	MP5B	X	3.607	3.607	0	%100
108	MP5B	Z	-2.082	-2.082	0	%100
109	OVP2	X	2.896	2.896	0	%100
110	OVP2	Z	-1.672	-1.672	0	%100
111	OVP1	X	2.896	2.896	0	%100
112	OVP1	Z	-1.672	-1.672	0	%100
113	M95A	X	1.129	1.129	0	%100
114	M95A	Z	-.652	-.652	0	%100
115	M96A	X	4.514	4.514	0	%100
116	M96A	Z	-2.606	-2.606	0	%100
117	M97A	X	1.128	1.128	0	%100
118	M97A	Z	-.651	-.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	5.24	5.24	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	4.497	4.497	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	4.497	4.497	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	4.497	4.497	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	4.497	4.497	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	1.31	1.31	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	4.497	4.497	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	1.31	1.31	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	4.497	4.497	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	3.91	3.91	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	3.909	3.909	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	3.087	3.087	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	3.087	3.087	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	4.373	4.373	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	4.164	4.164	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	4.373	4.373	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	4.164	4.164	0	%100
44	MP1A	Z	0	0	0	%100
45	M103	X	3.461	3.461	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	3.461	3.461	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	3.463	3.463	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	3.464	3.464	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	5.995	5.995	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	5.995	5.995	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	1.499	1.499	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	1.499	1.499	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	1.499	1.499	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	1.499	1.499	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	4.497	4.497	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	4.497	4.497	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	4.497	4.497	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	4.497	4.497	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	3.087	3.087	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	3.087	3.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	4.164	4.164	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	4.373	4.373	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	4.164	4.164	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	4.373	4.373	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	4.164	4.164	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	4.164	4.164	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	4.373	4.373	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	4.164	4.164	0	%100
102	MP3B	Z	0	0	0	%100
103	MP2B	X	4.373	4.373	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	4.164	4.164	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	4.164	4.164	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	3.344	3.344	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	3.344	3.344	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100
115	M96A	X	3.91	3.91	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	3.909	3.909	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	3.403	3.403	0	%100
2	M4	Z	1.965	1.965	0	%100
3	M5	X	1.298	1.298	0	%100
4	M5	Z	.749	.749	0	%100
5	M6	X	1.298	1.298	0	%100
6	M6	Z	.749	.749	0	%100
7	M7	X	5.192	5.192	0	%100
8	M7	Z	2.998	2.998	0	%100
9	M9	X	5.192	5.192	0	%100
10	M9	Z	2.998	2.998	0	%100
11	M10	X	1.298	1.298	0	%100
12	M10	Z	.749	.749	0	%100
13	M11	X	3.403	3.403	0	%100
14	M11	Z	1.965	1.965	0	%100
15	M13	X	1.298	1.298	0	%100
16	M13	Z	.749	.749	0	%100
17	M20	X	1.298	1.298	0	%100
18	M20	Z	.749	.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
19	M21	X	5.192	5.192	0	%100
20	M21	Z	2.998	2.998	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	1.298	1.298	0	%100
24	M24	Z	.749	.749	0	%100
25	M34	X	.891	.891	0	%100
26	M34	Z	.514	.514	0	%100
27	M36	X	1.128	1.128	0	%100
28	M36	Z	.651	.651	0	%100
29	M37	X	1.129	1.129	0	%100
30	M37	Z	.652	.652	0	%100
31	M38	X	4.514	4.514	0	%100
32	M38	Z	2.606	2.606	0	%100
33	M40	X	.891	.891	0	%100
34	M40	Z	.514	.514	0	%100
35	M41	X	3.564	3.564	0	%100
36	M41	Z	2.058	2.058	0	%100
37	MP4A	X	3.787	3.787	0	%100
38	MP4A	Z	2.186	2.186	0	%100
39	MP3A	X	3.607	3.607	0	%100
40	MP3A	Z	2.082	2.082	0	%100
41	MP2A	X	3.787	3.787	0	%100
42	MP2A	Z	2.186	2.186	0	%100
43	MP1A	X	3.607	3.607	0	%100
44	MP1A	Z	2.082	2.082	0	%100
45	M103	X	3.998	3.998	0	%100
46	M103	Z	2.308	2.308	0	%100
47	M107	X	.999	.999	0	%100
48	M107	Z	.577	.577	0	%100
49	M154	X	3.998	3.998	0	%100
50	M154	Z	2.308	2.308	0	%100
51	M157	X	.998	.998	0	%100
52	M157	Z	.576	.576	0	%100
53	M162	X	1	1	0	%100
54	M162	Z	.578	.578	0	%100
55	M165	X	1.001	1.001	0	%100
56	M165	Z	.578	.578	0	%100
57	M175	X	3.894	3.894	0	%100
58	M175	Z	2.248	2.248	0	%100
59	M176	X	3.894	3.894	0	%100
60	M176	Z	2.248	2.248	0	%100
61	M177	X	3.894	3.894	0	%100
62	M177	Z	2.248	2.248	0	%100
63	M178	X	3.894	3.894	0	%100
64	M178	Z	2.248	2.248	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	1.298	1.298	0	%100
70	M183	Z	.749	.749	0	%100
71	M184	X	1.298	1.298	0	%100
72	M184	Z	.749	.749	0	%100
73	M188	X	1.298	1.298	0	%100
74	M188	Z	.749	.749	0	%100
75	M189	X	1.298	1.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
76	M189	Z	.749	.749	0	%100
77	M192	X	5.192	5.192	0	%100
78	M192	Z	2.998	2.998	0	%100
79	M193	X	5.192	5.192	0	%100
80	M193	Z	2.998	2.998	0	%100
81	M108	X	.891	.891	0	%100
82	M108	Z	.514	.514	0	%100
83	M109	X	3.564	3.564	0	%100
84	M109	Z	2.058	2.058	0	%100
85	M110	X	.891	.891	0	%100
86	M110	Z	.514	.514	0	%100
87	MP5A	X	3.607	3.607	0	%100
88	MP5A	Z	2.082	2.082	0	%100
89	MP4C	X	3.787	3.787	0	%100
90	MP4C	Z	2.186	2.186	0	%100
91	MP3C	X	3.607	3.607	0	%100
92	MP3C	Z	2.082	2.082	0	%100
93	MP2C	X	3.787	3.787	0	%100
94	MP2C	Z	2.186	2.186	0	%100
95	MP1C	X	3.607	3.607	0	%100
96	MP1C	Z	2.082	2.082	0	%100
97	MP5C	X	3.607	3.607	0	%100
98	MP5C	Z	2.082	2.082	0	%100
99	MP4B	X	3.787	3.787	0	%100
100	MP4B	Z	2.186	2.186	0	%100
101	MP3B	X	3.607	3.607	0	%100
102	MP3B	Z	2.082	2.082	0	%100
103	MP2B	X	3.787	3.787	0	%100
104	MP2B	Z	2.186	2.186	0	%100
105	MP1B	X	3.607	3.607	0	%100
106	MP1B	Z	2.082	2.082	0	%100
107	MP5B	X	3.607	3.607	0	%100
108	MP5B	Z	2.082	2.082	0	%100
109	OVP2	X	2.896	2.896	0	%100
110	OVP2	Z	1.672	1.672	0	%100
111	OVP1	X	2.896	2.896	0	%100
112	OVP1	Z	1.672	1.672	0	%100
113	M95A	X	1.128	1.128	0	%100
114	M95A	Z	.651	.651	0	%100
115	M96A	X	1.129	1.129	0	%100
116	M96A	Z	.652	.652	0	%100
117	M97A	X	4.514	4.514	0	%100
118	M97A	Z	2.606	2.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.655	.655	0	%100
2	M4	Z	1.134	1.134	0	%100
3	M5	X	2.248	2.248	0	%100
4	M5	Z	3.894	3.894	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	2.248	2.248	0	%100
8	M7	Z	3.894	3.894	0	%100
9	M9	X	2.248	2.248	0	%100
10	M9	Z	3.894	3.894	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	2.62	2.62	0	%100
14	M11	Z	4.538	4.538	0	%100
15	M13	X	2.248	2.248	0	%100
16	M13	Z	3.894	3.894	0	%100
17	M20	X	2.248	2.248	0	%100
18	M20	Z	3.894	3.894	0	%100
19	M21	X	2.248	2.248	0	%100
20	M21	Z	3.894	3.894	0	%100
21	M22	X	.655	.655	0	%100
22	M22	Z	1.134	1.134	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	1.543	1.543	0	%100
26	M34	Z	2.673	2.673	0	%100
27	M36	X	1.954	1.954	0	%100
28	M36	Z	3.385	3.385	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	1.955	1.955	0	%100
32	M38	Z	3.386	3.386	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	1.543	1.543	0	%100
36	M41	Z	2.673	2.673	0	%100
37	MP4A	X	2.186	2.186	0	%100
38	MP4A	Z	3.787	3.787	0	%100
39	MP3A	X	2.082	2.082	0	%100
40	MP3A	Z	3.607	3.607	0	%100
41	MP2A	X	2.186	2.186	0	%100
42	MP2A	Z	3.787	3.787	0	%100
43	MP1A	X	2.082	2.082	0	%100
44	MP1A	Z	3.607	3.607	0	%100
45	M103	X	1.732	1.732	0	%100
46	M103	Z	3	3	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	1.731	1.731	0	%100
50	M154	Z	2.998	2.998	0	%100
51	M157	X	1.731	1.731	0	%100
52	M157	Z	2.997	2.997	0	%100
53	M162	X	1.732	1.732	0	%100
54	M162	Z	2.999	2.999	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	.749	.749	0	%100
58	M175	Z	1.298	1.298	0	%100
59	M176	X	.749	.749	0	%100
60	M176	Z	1.298	1.298	0	%100
61	M177	X	2.998	2.998	0	%100
62	M177	Z	5.192	5.192	0	%100
63	M178	X	2.998	2.998	0	%100
64	M178	Z	5.192	5.192	0	%100
65	M179	X	.749	.749	0	%100
66	M179	Z	1.298	1.298	0	%100
67	M180	X	.749	.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
68	M180	Z	1.298	1.298	0	%100
69	M183	X	2.248	2.248	0	%100
70	M183	Z	3.894	3.894	0	%100
71	M184	X	2.248	2.248	0	%100
72	M184	Z	3.894	3.894	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	2.248	2.248	0	%100
78	M192	Z	3.894	3.894	0	%100
79	M193	X	2.248	2.248	0	%100
80	M193	Z	3.894	3.894	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	1.543	1.543	0	%100
84	M109	Z	2.673	2.673	0	%100
85	M110	X	1.543	1.543	0	%100
86	M110	Z	2.673	2.673	0	%100
87	MP5A	X	2.082	2.082	0	%100
88	MP5A	Z	3.607	3.607	0	%100
89	MP4C	X	2.186	2.186	0	%100
90	MP4C	Z	3.787	3.787	0	%100
91	MP3C	X	2.082	2.082	0	%100
92	MP3C	Z	3.607	3.607	0	%100
93	MP2C	X	2.186	2.186	0	%100
94	MP2C	Z	3.787	3.787	0	%100
95	MP1C	X	2.082	2.082	0	%100
96	MP1C	Z	3.607	3.607	0	%100
97	MP5C	X	2.082	2.082	0	%100
98	MP5C	Z	3.607	3.607	0	%100
99	MP4B	X	2.186	2.186	0	%100
100	MP4B	Z	3.787	3.787	0	%100
101	MP3B	X	2.082	2.082	0	%100
102	MP3B	Z	3.607	3.607	0	%100
103	MP2B	X	2.186	2.186	0	%100
104	MP2B	Z	3.787	3.787	0	%100
105	MP1B	X	2.082	2.082	0	%100
106	MP1B	Z	3.607	3.607	0	%100
107	MP5B	X	2.082	2.082	0	%100
108	MP5B	Z	3.607	3.607	0	%100
109	OVP2	X	1.672	1.672	0	%100
110	OVP2	Z	2.896	2.896	0	%100
111	OVP1	X	1.672	1.672	0	%100
112	OVP1	Z	2.896	2.896	0	%100
113	M95A	X	1.954	1.954	0	%100
114	M95A	Z	3.385	3.385	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	1.955	1.955	0	%100
118	M97A	Z	3.386	3.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
3	M5	X	0	0	0	%100
4	M5	Z	5.995	5.995	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	1.499	1.499	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	1.499	1.499	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.499	1.499	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	1.499	1.499	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	3.93	3.93	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	5.995	5.995	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	5.995	5.995	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	1.499	1.499	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	3.93	3.93	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	1.499	1.499	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	4.116	4.116	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	5.213	5.213	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	1.303	1.303	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	1.304	1.304	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	1.029	1.029	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	1.029	1.029	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	4.373	4.373	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	4.164	4.164	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	4.373	4.373	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	4.164	4.164	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	1.155	1.155	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	1.155	1.155	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	1.153	1.153	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	4.617	4.617	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	4.616	4.616	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	1.153	1.153	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	4.497	4.497	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	4.497	4.497	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	4.497	4.497	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	4.497	4.497	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	5.995	5.995	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	5.995	5.995	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	1.499	1.499	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	1.499	1.499	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	1.499	1.499	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	1.499	1.499	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	1.029	1.029	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	1.029	1.029	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	4.116	4.116	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	4.164	4.164	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	4.373	4.373	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	4.164	4.164	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	4.373	4.373	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	4.164	4.164	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	4.164	4.164	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	4.373	4.373	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	4.164	4.164	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	4.373	4.373	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	4.164	4.164	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	4.164	4.164	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	3.344	3.344	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	3.344	3.344	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	5.213	5.213	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	1.303	1.303	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
117	M97A	X	0	0	0	%100
118	M97A	Z	1.304	1.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.655	-.655	0	%100
2	M4	Z	1.134	1.134	0	%100
3	M5	X	-2.248	-2.248	0	%100
4	M5	Z	3.894	3.894	0	%100
5	M6	X	-2.248	-2.248	0	%100
6	M6	Z	3.894	3.894	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-2.248	-2.248	0	%100
12	M10	Z	3.894	3.894	0	%100
13	M11	X	-.655	-.655	0	%100
14	M11	Z	1.134	1.134	0	%100
15	M13	X	-2.248	-2.248	0	%100
16	M13	Z	3.894	3.894	0	%100
17	M20	X	-2.248	-2.248	0	%100
18	M20	Z	3.894	3.894	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-2.62	-2.62	0	%100
22	M22	Z	4.538	4.538	0	%100
23	M24	X	-2.248	-2.248	0	%100
24	M24	Z	3.894	3.894	0	%100
25	M34	X	-1.543	-1.543	0	%100
26	M34	Z	2.673	2.673	0	%100
27	M36	X	-1.955	-1.955	0	%100
28	M36	Z	3.386	3.386	0	%100
29	M37	X	-1.954	-1.954	0	%100
30	M37	Z	3.385	3.385	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-1.543	-1.543	0	%100
34	M40	Z	2.673	2.673	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	-2.186	-2.186	0	%100
38	MP4A	Z	3.787	3.787	0	%100
39	MP3A	X	-2.082	-2.082	0	%100
40	MP3A	Z	3.607	3.607	0	%100
41	MP2A	X	-2.186	-2.186	0	%100
42	MP2A	Z	3.787	3.787	0	%100
43	MP1A	X	-2.082	-2.082	0	%100
44	MP1A	Z	3.607	3.607	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	-1.732	-1.732	0	%100
48	M107	Z	2.999	2.999	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	-1.732	-1.732	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
52	M157	Z	3	3	0	%100
53	M162	X	-1.731	-1.731	0	%100
54	M162	Z	2.998	2.998	0	%100
55	M165	X	-1.731	-1.731	0	%100
56	M165	Z	2.997	2.997	0	%100
57	M175	X	-.749	-.749	0	%100
58	M175	Z	1.298	1.298	0	%100
59	M176	X	-.749	-.749	0	%100
60	M176	Z	1.298	1.298	0	%100
61	M177	X	-.749	-.749	0	%100
62	M177	Z	1.298	1.298	0	%100
63	M178	X	-.749	-.749	0	%100
64	M178	Z	1.298	1.298	0	%100
65	M179	X	-2.998	-2.998	0	%100
66	M179	Z	5.192	5.192	0	%100
67	M180	X	-2.998	-2.998	0	%100
68	M180	Z	5.192	5.192	0	%100
69	M183	X	-2.248	-2.248	0	%100
70	M183	Z	3.894	3.894	0	%100
71	M184	X	-2.248	-2.248	0	%100
72	M184	Z	3.894	3.894	0	%100
73	M188	X	-2.248	-2.248	0	%100
74	M188	Z	3.894	3.894	0	%100
75	M189	X	-2.248	-2.248	0	%100
76	M189	Z	3.894	3.894	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-1.543	-1.543	0	%100
82	M108	Z	2.673	2.673	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	-1.543	-1.543	0	%100
86	M110	Z	2.673	2.673	0	%100
87	MP5A	X	-2.082	-2.082	0	%100
88	MP5A	Z	3.607	3.607	0	%100
89	MP4C	X	-2.186	-2.186	0	%100
90	MP4C	Z	3.787	3.787	0	%100
91	MP3C	X	-2.082	-2.082	0	%100
92	MP3C	Z	3.607	3.607	0	%100
93	MP2C	X	-2.186	-2.186	0	%100
94	MP2C	Z	3.787	3.787	0	%100
95	MP1C	X	-2.082	-2.082	0	%100
96	MP1C	Z	3.607	3.607	0	%100
97	MP5C	X	-2.082	-2.082	0	%100
98	MP5C	Z	3.607	3.607	0	%100
99	MP4B	X	-2.186	-2.186	0	%100
100	MP4B	Z	3.787	3.787	0	%100
101	MP3B	X	-2.082	-2.082	0	%100
102	MP3B	Z	3.607	3.607	0	%100
103	MP2B	X	-2.186	-2.186	0	%100
104	MP2B	Z	3.787	3.787	0	%100
105	MP1B	X	-2.082	-2.082	0	%100
106	MP1B	Z	3.607	3.607	0	%100
107	MP5B	X	-2.082	-2.082	0	%100
108	MP5B	Z	3.607	3.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
109	OVP2	X	-1.672	-1.672	0	%100
110	OVP2	Z	2.896	2.896	0	%100
111	OVP1	X	-1.672	-1.672	0	%100
112	OVP1	Z	2.896	2.896	0	%100
113	M95A	X	-1.955	-1.955	0	%100
114	M95A	Z	3.386	3.386	0	%100
115	M96A	X	-1.954	-1.954	0	%100
116	M96A	Z	3.385	3.385	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-3.403	-3.403	0	%100
2	M4	Z	1.965	1.965	0	%100
3	M5	X	-1.298	-1.298	0	%100
4	M5	Z	.749	.749	0	%100
5	M6	X	-5.192	-5.192	0	%100
6	M6	Z	2.998	2.998	0	%100
7	M7	X	-1.298	-1.298	0	%100
8	M7	Z	.749	.749	0	%100
9	M9	X	-1.298	-1.298	0	%100
10	M9	Z	.749	.749	0	%100
11	M10	X	-5.192	-5.192	0	%100
12	M10	Z	2.998	2.998	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-1.298	-1.298	0	%100
16	M13	Z	.749	.749	0	%100
17	M20	X	-1.298	-1.298	0	%100
18	M20	Z	.749	.749	0	%100
19	M21	X	-1.298	-1.298	0	%100
20	M21	Z	.749	.749	0	%100
21	M22	X	-3.403	-3.403	0	%100
22	M22	Z	1.965	1.965	0	%100
23	M24	X	-5.192	-5.192	0	%100
24	M24	Z	2.998	2.998	0	%100
25	M34	X	-.891	-.891	0	%100
26	M34	Z	.514	.514	0	%100
27	M36	X	-1.129	-1.129	0	%100
28	M36	Z	.652	.652	0	%100
29	M37	X	-4.514	-4.514	0	%100
30	M37	Z	2.606	2.606	0	%100
31	M38	X	-1.128	-1.128	0	%100
32	M38	Z	.651	.651	0	%100
33	M40	X	-3.564	-3.564	0	%100
34	M40	Z	2.058	2.058	0	%100
35	M41	X	-.891	-.891	0	%100
36	M41	Z	.514	.514	0	%100
37	MP4A	X	-3.787	-3.787	0	%100
38	MP4A	Z	2.186	2.186	0	%100
39	MP3A	X	-3.607	-3.607	0	%100
40	MP3A	Z	2.082	2.082	0	%100
41	MP2A	X	-3.787	-3.787	0	%100
42	MP2A	Z	2.186	2.186	0	%100
43	MP1A	X	-3.607	-3.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	MP1A	Z	2.082	2.082	0	%100
45	M103	X	-.998	-.998	0	%100
46	M103	Z	.576	.576	0	%100
47	M107	X	-3.998	-3.998	0	%100
48	M107	Z	2.308	2.308	0	%100
49	M154	X	-1	-1	0	%100
50	M154	Z	.578	.578	0	%100
51	M157	X	-1.001	-1.001	0	%100
52	M157	Z	.578	.578	0	%100
53	M162	X	-.999	-.999	0	%100
54	M162	Z	.577	.577	0	%100
55	M165	X	-3.998	-3.998	0	%100
56	M165	Z	2.308	2.308	0	%100
57	M175	X	-3.894	-3.894	0	%100
58	M175	Z	2.248	2.248	0	%100
59	M176	X	-3.894	-3.894	0	%100
60	M176	Z	2.248	2.248	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-3.894	-3.894	0	%100
66	M179	Z	2.248	2.248	0	%100
67	M180	X	-3.894	-3.894	0	%100
68	M180	Z	2.248	2.248	0	%100
69	M183	X	-1.298	-1.298	0	%100
70	M183	Z	.749	.749	0	%100
71	M184	X	-1.298	-1.298	0	%100
72	M184	Z	.749	.749	0	%100
73	M188	X	-5.192	-5.192	0	%100
74	M188	Z	2.998	2.998	0	%100
75	M189	X	-5.192	-5.192	0	%100
76	M189	Z	2.998	2.998	0	%100
77	M192	X	-1.298	-1.298	0	%100
78	M192	Z	.749	.749	0	%100
79	M193	X	-1.298	-1.298	0	%100
80	M193	Z	.749	.749	0	%100
81	M108	X	-3.564	-3.564	0	%100
82	M108	Z	2.058	2.058	0	%100
83	M109	X	-.891	-.891	0	%100
84	M109	Z	.514	.514	0	%100
85	M110	X	-.891	-.891	0	%100
86	M110	Z	.514	.514	0	%100
87	MP5A	X	-3.607	-3.607	0	%100
88	MP5A	Z	2.082	2.082	0	%100
89	MP4C	X	-3.787	-3.787	0	%100
90	MP4C	Z	2.186	2.186	0	%100
91	MP3C	X	-3.607	-3.607	0	%100
92	MP3C	Z	2.082	2.082	0	%100
93	MP2C	X	-3.787	-3.787	0	%100
94	MP2C	Z	2.186	2.186	0	%100
95	MP1C	X	-3.607	-3.607	0	%100
96	MP1C	Z	2.082	2.082	0	%100
97	MP5C	X	-3.607	-3.607	0	%100
98	MP5C	Z	2.082	2.082	0	%100
99	MP4B	X	-3.787	-3.787	0	%100
100	MP4B	Z	2.186	2.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
101	MP3B	X	-3.607	-3.607	0	%100
102	MP3B	Z	2.082	2.082	0	%100
103	MP2B	X	-3.787	-3.787	0	%100
104	MP2B	Z	2.186	2.186	0	%100
105	MP1B	X	-3.607	-3.607	0	%100
106	MP1B	Z	2.082	2.082	0	%100
107	MP5B	X	-3.607	-3.607	0	%100
108	MP5B	Z	2.082	2.082	0	%100
109	OVP2	X	-2.896	-2.896	0	%100
110	OVP2	Z	1.672	1.672	0	%100
111	OVP1	X	-2.896	-2.896	0	%100
112	OVP1	Z	1.672	1.672	0	%100
113	M95A	X	-1.129	-1.129	0	%100
114	M95A	Z	.652	.652	0	%100
115	M96A	X	-4.514	-4.514	0	%100
116	M96A	Z	2.606	2.606	0	%100
117	M97A	X	-1.128	-1.128	0	%100
118	M97A	Z	.651	.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-5.24	-5.24	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-4.497	-4.497	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-4.497	-4.497	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-4.497	-4.497	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-4.497	-4.497	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-1.31	-1.31	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-4.497	-4.497	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-1.31	-1.31	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-4.497	-4.497	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-3.91	-3.91	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-3.909	-3.909	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-3.087	-3.087	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-3.087	-3.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
36	M41	Z	0	0	0	%100
37	MP4A	X	-4.373	-4.373	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-4.164	-4.164	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-4.373	-4.373	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-4.164	-4.164	0	%100
44	MP1A	Z	0	0	0	%100
45	M103	X	-3.461	-3.461	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	-3.461	-3.461	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	-3.463	-3.463	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	-3.464	-3.464	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	-5.995	-5.995	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	-5.995	-5.995	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	-1.499	-1.499	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	-1.499	-1.499	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-1.499	-1.499	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	-1.499	-1.499	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	-4.497	-4.497	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	-4.497	-4.497	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	-4.497	-4.497	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	-4.497	-4.497	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-3.087	-3.087	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-3.087	-3.087	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	-4.164	-4.164	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	-4.373	-4.373	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-4.164	-4.164	0	%100
92	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
93	MP2C	X	-4.373	-4.373	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-4.164	-4.164	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-4.164	-4.164	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	-4.373	-4.373	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	-4.164	-4.164	0	%100
102	MP3B	Z	0	0	0	%100
103	MP2B	X	-4.373	-4.373	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-4.164	-4.164	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-4.164	-4.164	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	-3.344	-3.344	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	-3.344	-3.344	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100
115	M96A	X	-3.91	-3.91	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	-3.909	-3.909	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-3.403	-3.403	0	%100
2	M4	Z	-1.965	-1.965	0	%100
3	M5	X	-1.298	-1.298	0	%100
4	M5	Z	-.749	-.749	0	%100
5	M6	X	-1.298	-1.298	0	%100
6	M6	Z	-.749	-.749	0	%100
7	M7	X	-5.192	-5.192	0	%100
8	M7	Z	-2.998	-2.998	0	%100
9	M9	X	-5.192	-5.192	0	%100
10	M9	Z	-2.998	-2.998	0	%100
11	M10	X	-1.298	-1.298	0	%100
12	M10	Z	-.749	-.749	0	%100
13	M11	X	-3.403	-3.403	0	%100
14	M11	Z	-1.965	-1.965	0	%100
15	M13	X	-1.298	-1.298	0	%100
16	M13	Z	-.749	-.749	0	%100
17	M20	X	-1.298	-1.298	0	%100
18	M20	Z	-.749	-.749	0	%100
19	M21	X	-5.192	-5.192	0	%100
20	M21	Z	-2.998	-2.998	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-1.298	-1.298	0	%100
24	M24	Z	-.749	-.749	0	%100
25	M34	X	-.891	-.891	0	%100
26	M34	Z	-.514	-.514	0	%100
27	M36	X	-1.128	-1.128	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
28	M36	Z	-.651	-.651	0	%100
29	M37	X	-1.129	-1.129	0	%100
30	M37	Z	-.652	-.652	0	%100
31	M38	X	-4.514	-4.514	0	%100
32	M38	Z	-2.606	-2.606	0	%100
33	M40	X	-.891	-.891	0	%100
34	M40	Z	-.514	-.514	0	%100
35	M41	X	-3.564	-3.564	0	%100
36	M41	Z	-2.058	-2.058	0	%100
37	MP4A	X	-3.787	-3.787	0	%100
38	MP4A	Z	-2.186	-2.186	0	%100
39	MP3A	X	-3.607	-3.607	0	%100
40	MP3A	Z	-2.082	-2.082	0	%100
41	MP2A	X	-3.787	-3.787	0	%100
42	MP2A	Z	-2.186	-2.186	0	%100
43	MP1A	X	-3.607	-3.607	0	%100
44	MP1A	Z	-2.082	-2.082	0	%100
45	M103	X	-3.998	-3.998	0	%100
46	M103	Z	-2.308	-2.308	0	%100
47	M107	X	-.999	-.999	0	%100
48	M107	Z	-.577	-.577	0	%100
49	M154	X	-3.998	-3.998	0	%100
50	M154	Z	-2.308	-2.308	0	%100
51	M157	X	-.998	-.998	0	%100
52	M157	Z	-.576	-.576	0	%100
53	M162	X	-1	-1	0	%100
54	M162	Z	-.578	-.578	0	%100
55	M165	X	-1.001	-1.001	0	%100
56	M165	Z	-.578	-.578	0	%100
57	M175	X	-3.894	-3.894	0	%100
58	M175	Z	-2.248	-2.248	0	%100
59	M176	X	-3.894	-3.894	0	%100
60	M176	Z	-2.248	-2.248	0	%100
61	M177	X	-3.894	-3.894	0	%100
62	M177	Z	-2.248	-2.248	0	%100
63	M178	X	-3.894	-3.894	0	%100
64	M178	Z	-2.248	-2.248	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	-1.298	-1.298	0	%100
70	M183	Z	-.749	-.749	0	%100
71	M184	X	-1.298	-1.298	0	%100
72	M184	Z	-.749	-.749	0	%100
73	M188	X	-1.298	-1.298	0	%100
74	M188	Z	-.749	-.749	0	%100
75	M189	X	-1.298	-1.298	0	%100
76	M189	Z	-.749	-.749	0	%100
77	M192	X	-5.192	-5.192	0	%100
78	M192	Z	-2.998	-2.998	0	%100
79	M193	X	-5.192	-5.192	0	%100
80	M193	Z	-2.998	-2.998	0	%100
81	M108	X	-.891	-.891	0	%100
82	M108	Z	-.514	-.514	0	%100
83	M109	X	-3.564	-3.564	0	%100
84	M109	Z	-2.058	-2.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
85	M110	X	-.891	-.891	0	%100
86	M110	Z	-.514	-.514	0	%100
87	MP5A	X	-3.607	-3.607	0	%100
88	MP5A	Z	-2.082	-2.082	0	%100
89	MP4C	X	-3.787	-3.787	0	%100
90	MP4C	Z	-2.186	-2.186	0	%100
91	MP3C	X	-3.607	-3.607	0	%100
92	MP3C	Z	-2.082	-2.082	0	%100
93	MP2C	X	-3.787	-3.787	0	%100
94	MP2C	Z	-2.186	-2.186	0	%100
95	MP1C	X	-3.607	-3.607	0	%100
96	MP1C	Z	-2.082	-2.082	0	%100
97	MP5C	X	-3.607	-3.607	0	%100
98	MP5C	Z	-2.082	-2.082	0	%100
99	MP4B	X	-3.787	-3.787	0	%100
100	MP4B	Z	-2.186	-2.186	0	%100
101	MP3B	X	-3.607	-3.607	0	%100
102	MP3B	Z	-2.082	-2.082	0	%100
103	MP2B	X	-3.787	-3.787	0	%100
104	MP2B	Z	-2.186	-2.186	0	%100
105	MP1B	X	-3.607	-3.607	0	%100
106	MP1B	Z	-2.082	-2.082	0	%100
107	MP5B	X	-3.607	-3.607	0	%100
108	MP5B	Z	-2.082	-2.082	0	%100
109	OVP2	X	-2.896	-2.896	0	%100
110	OVP2	Z	-1.672	-1.672	0	%100
111	OVP1	X	-2.896	-2.896	0	%100
112	OVP1	Z	-1.672	-1.672	0	%100
113	M95A	X	-1.128	-1.128	0	%100
114	M95A	Z	-.651	-.651	0	%100
115	M96A	X	-1.129	-1.129	0	%100
116	M96A	Z	-.652	-.652	0	%100
117	M97A	X	-4.514	-4.514	0	%100
118	M97A	Z	-2.606	-2.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.655	-.655	0	%100
2	M4	Z	-1.134	-1.134	0	%100
3	M5	X	-2.248	-2.248	0	%100
4	M5	Z	-3.894	-3.894	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-2.248	-2.248	0	%100
8	M7	Z	-3.894	-3.894	0	%100
9	M9	X	-2.248	-2.248	0	%100
10	M9	Z	-3.894	-3.894	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-2.62	-2.62	0	%100
14	M11	Z	-4.538	-4.538	0	%100
15	M13	X	-2.248	-2.248	0	%100
16	M13	Z	-3.894	-3.894	0	%100
17	M20	X	-2.248	-2.248	0	%100
18	M20	Z	-3.894	-3.894	0	%100
19	M21	X	-2.248	-2.248	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
20	M21	Z	-3.894	-3.894	0	%100
21	M22	X	-.655	-.655	0	%100
22	M22	Z	-1.134	-1.134	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	-1.543	-1.543	0	%100
26	M34	Z	-2.673	-2.673	0	%100
27	M36	X	-1.954	-1.954	0	%100
28	M36	Z	-3.385	-3.385	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-1.955	-1.955	0	%100
32	M38	Z	-3.386	-3.386	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-1.543	-1.543	0	%100
36	M41	Z	-2.673	-2.673	0	%100
37	MP4A	X	-2.186	-2.186	0	%100
38	MP4A	Z	-3.787	-3.787	0	%100
39	MP3A	X	-2.082	-2.082	0	%100
40	MP3A	Z	-3.607	-3.607	0	%100
41	MP2A	X	-2.186	-2.186	0	%100
42	MP2A	Z	-3.787	-3.787	0	%100
43	MP1A	X	-2.082	-2.082	0	%100
44	MP1A	Z	-3.607	-3.607	0	%100
45	M103	X	-1.732	-1.732	0	%100
46	M103	Z	-3	-3	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	-1.731	-1.731	0	%100
50	M154	Z	-2.998	-2.998	0	%100
51	M157	X	-1.731	-1.731	0	%100
52	M157	Z	-2.997	-2.997	0	%100
53	M162	X	-1.732	-1.732	0	%100
54	M162	Z	-2.999	-2.999	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	-.749	-.749	0	%100
58	M175	Z	-1.298	-1.298	0	%100
59	M176	X	-.749	-.749	0	%100
60	M176	Z	-1.298	-1.298	0	%100
61	M177	X	-2.998	-2.998	0	%100
62	M177	Z	-5.192	-5.192	0	%100
63	M178	X	-2.998	-2.998	0	%100
64	M178	Z	-5.192	-5.192	0	%100
65	M179	X	-.749	-.749	0	%100
66	M179	Z	-1.298	-1.298	0	%100
67	M180	X	-.749	-.749	0	%100
68	M180	Z	-1.298	-1.298	0	%100
69	M183	X	-2.248	-2.248	0	%100
70	M183	Z	-3.894	-3.894	0	%100
71	M184	X	-2.248	-2.248	0	%100
72	M184	Z	-3.894	-3.894	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
77	M192	X	-2.248	-2.248	0	%100
78	M192	Z	-3.894	-3.894	0	%100
79	M193	X	-2.248	-2.248	0	%100
80	M193	Z	-3.894	-3.894	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-1.543	-1.543	0	%100
84	M109	Z	-2.673	-2.673	0	%100
85	M110	X	-1.543	-1.543	0	%100
86	M110	Z	-2.673	-2.673	0	%100
87	MP5A	X	-2.082	-2.082	0	%100
88	MP5A	Z	-3.607	-3.607	0	%100
89	MP4C	X	-2.186	-2.186	0	%100
90	MP4C	Z	-3.787	-3.787	0	%100
91	MP3C	X	-2.082	-2.082	0	%100
92	MP3C	Z	-3.607	-3.607	0	%100
93	MP2C	X	-2.186	-2.186	0	%100
94	MP2C	Z	-3.787	-3.787	0	%100
95	MP1C	X	-2.082	-2.082	0	%100
96	MP1C	Z	-3.607	-3.607	0	%100
97	MP5C	X	-2.082	-2.082	0	%100
98	MP5C	Z	-3.607	-3.607	0	%100
99	MP4B	X	-2.186	-2.186	0	%100
100	MP4B	Z	-3.787	-3.787	0	%100
101	MP3B	X	-2.082	-2.082	0	%100
102	MP3B	Z	-3.607	-3.607	0	%100
103	MP2B	X	-2.186	-2.186	0	%100
104	MP2B	Z	-3.787	-3.787	0	%100
105	MP1B	X	-2.082	-2.082	0	%100
106	MP1B	Z	-3.607	-3.607	0	%100
107	MP5B	X	-2.082	-2.082	0	%100
108	MP5B	Z	-3.607	-3.607	0	%100
109	OVP2	X	-1.672	-1.672	0	%100
110	OVP2	Z	-2.896	-2.896	0	%100
111	OVP1	X	-1.672	-1.672	0	%100
112	OVP1	Z	-2.896	-2.896	0	%100
113	M95A	X	-1.954	-1.954	0	%100
114	M95A	Z	-3.385	-3.385	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	-1.955	-1.955	0	%100
118	M97A	Z	-3.386	-3.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-1.612	-1.612	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.403	-.403	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-.403	-.403	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.403	-.403	0	%100
11	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
12	M10	Z	-.403	-.403	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.758	-.758	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-1.612	-1.612	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-1.612	-1.612	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.403	-.403	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.758	-.758	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-.403	-.403	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	-.822	-.822	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	-.928	-.928	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	-.232	-.232	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	-.232	-.232	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	-.205	-.205	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	-.205	-.205	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.638	-.638	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-.638	-.638	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-.638	-.638	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-.638	-.638	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	-.224	-.224	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	-.224	-.224	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	-.224	-.224	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	-.896	-.896	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	-.896	-.896	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	-.224	-.224	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	-1.209	-1.209	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	-1.209	-1.209	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	-1.209	-1.209	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	-1.209	-1.209	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
69	M183	X	0	0	0	%100
70	M183	Z	-1.612	-1.612	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	-1.612	-1.612	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	-.403	-.403	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	-.403	-.403	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	-.403	-.403	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	-.403	-.403	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	-.205	-.205	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	-.205	-.205	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	-.822	-.822	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-.638	-.638	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.638	-.638	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.638	-.638	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.638	-.638	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.638	-.638	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-.638	-.638	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-.638	-.638	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-.638	-.638	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.638	-.638	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-.638	-.638	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-.638	-.638	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	-.522	-.522	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	-.522	-.522	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	-.928	-.928	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	-.232	-.232	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	-.232	-.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.126	.126	0	%100
2	M4	Z	-.219	-.219	0	%100
3	M5	X	.605	.605	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
4	M5	Z	-1.047	-1.047	0	%100
5	M6	X	.605	.605	0	%100
6	M6	Z	-1.047	-1.047	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.605	.605	0	%100
12	M10	Z	-1.047	-1.047	0	%100
13	M11	X	.126	.126	0	%100
14	M11	Z	-.219	-.219	0	%100
15	M13	X	.605	.605	0	%100
16	M13	Z	-1.047	-1.047	0	%100
17	M20	X	.605	.605	0	%100
18	M20	Z	-1.047	-1.047	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.505	.505	0	%100
22	M22	Z	-.875	-.875	0	%100
23	M24	X	.605	.605	0	%100
24	M24	Z	-1.047	-1.047	0	%100
25	M34	X	.308	.308	0	%100
26	M34	Z	-.534	-.534	0	%100
27	M36	X	.348	.348	0	%100
28	M36	Z	-.603	-.603	0	%100
29	M37	X	.348	.348	0	%100
30	M37	Z	-.603	-.603	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	.308	.308	0	%100
34	M40	Z	-.534	-.534	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	-.553	-.553	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	-.553	-.553	0	%100
41	MP2A	X	.319	.319	0	%100
42	MP2A	Z	-.553	-.553	0	%100
43	MP1A	X	.319	.319	0	%100
44	MP1A	Z	-.553	-.553	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	.336	.336	0	%100
48	M107	Z	-.582	-.582	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	.336	.336	0	%100
52	M157	Z	-.582	-.582	0	%100
53	M162	X	.336	.336	0	%100
54	M162	Z	-.582	-.582	0	%100
55	M165	X	.336	.336	0	%100
56	M165	Z	-.582	-.582	0	%100
57	M175	X	.202	.202	0	%100
58	M175	Z	-.349	-.349	0	%100
59	M176	X	.202	.202	0	%100
60	M176	Z	-.349	-.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
61	M177	X	.202	.202	0	%100
62	M177	Z	-.349	-.349	0	%100
63	M178	X	.202	.202	0	%100
64	M178	Z	-.349	-.349	0	%100
65	M179	X	.806	.806	0	%100
66	M179	Z	-1.396	-1.396	0	%100
67	M180	X	.806	.806	0	%100
68	M180	Z	-1.396	-1.396	0	%100
69	M183	X	.605	.605	0	%100
70	M183	Z	-1.047	-1.047	0	%100
71	M184	X	.605	.605	0	%100
72	M184	Z	-1.047	-1.047	0	%100
73	M188	X	.605	.605	0	%100
74	M188	Z	-1.047	-1.047	0	%100
75	M189	X	.605	.605	0	%100
76	M189	Z	-1.047	-1.047	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	.308	.308	0	%100
82	M108	Z	-.534	-.534	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	.308	.308	0	%100
86	M110	Z	-.534	-.534	0	%100
87	MP5A	X	.319	.319	0	%100
88	MP5A	Z	-.553	-.553	0	%100
89	MP4C	X	.319	.319	0	%100
90	MP4C	Z	-.553	-.553	0	%100
91	MP3C	X	.319	.319	0	%100
92	MP3C	Z	-.553	-.553	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	-.553	-.553	0	%100
95	MP1C	X	.319	.319	0	%100
96	MP1C	Z	-.553	-.553	0	%100
97	MP5C	X	.319	.319	0	%100
98	MP5C	Z	-.553	-.553	0	%100
99	MP4B	X	.319	.319	0	%100
100	MP4B	Z	-.553	-.553	0	%100
101	MP3B	X	.319	.319	0	%100
102	MP3B	Z	-.553	-.553	0	%100
103	MP2B	X	.319	.319	0	%100
104	MP2B	Z	-.553	-.553	0	%100
105	MP1B	X	.319	.319	0	%100
106	MP1B	Z	-.553	-.553	0	%100
107	MP5B	X	.319	.319	0	%100
108	MP5B	Z	-.553	-.553	0	%100
109	OVP2	X	.261	.261	0	%100
110	OVP2	Z	-.452	-.452	0	%100
111	OVP1	X	.261	.261	0	%100
112	OVP1	Z	-.452	-.452	0	%100
113	M95A	X	.348	.348	0	%100
114	M95A	Z	-.603	-.603	0	%100
115	M96A	X	.348	.348	0	%100
116	M96A	Z	-.603	-.603	0	%100
117	M97A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.656	.656	0	%100
2	M4	Z	-.379	-.379	0	%100
3	M5	X	.349	.349	0	%100
4	M5	Z	-.202	-.202	0	%100
5	M6	X	1.396	1.396	0	%100
6	M6	Z	-.806	-.806	0	%100
7	M7	X	.349	.349	0	%100
8	M7	Z	-.202	-.202	0	%100
9	M9	X	.349	.349	0	%100
10	M9	Z	-.202	-.202	0	%100
11	M10	X	1.396	1.396	0	%100
12	M10	Z	-.806	-.806	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	.349	.349	0	%100
16	M13	Z	-.202	-.202	0	%100
17	M20	X	.349	.349	0	%100
18	M20	Z	-.202	-.202	0	%100
19	M21	X	.349	.349	0	%100
20	M21	Z	-.202	-.202	0	%100
21	M22	X	.656	.656	0	%100
22	M22	Z	-.379	-.379	0	%100
23	M24	X	1.396	1.396	0	%100
24	M24	Z	-.806	-.806	0	%100
25	M34	X	.178	.178	0	%100
26	M34	Z	-.103	-.103	0	%100
27	M36	X	.201	.201	0	%100
28	M36	Z	-.116	-.116	0	%100
29	M37	X	.804	.804	0	%100
30	M37	Z	-.464	-.464	0	%100
31	M38	X	.201	.201	0	%100
32	M38	Z	-.116	-.116	0	%100
33	M40	X	.712	.712	0	%100
34	M40	Z	-.411	-.411	0	%100
35	M41	X	.178	.178	0	%100
36	M41	Z	-.103	-.103	0	%100
37	MP4A	X	.553	.553	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	.553	.553	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP2A	X	.553	.553	0	%100
42	MP2A	Z	-.319	-.319	0	%100
43	MP1A	X	.553	.553	0	%100
44	MP1A	Z	-.319	-.319	0	%100
45	M103	X	.194	.194	0	%100
46	M103	Z	-.112	-.112	0	%100
47	M107	X	.776	.776	0	%100
48	M107	Z	-.448	-.448	0	%100
49	M154	X	.194	.194	0	%100
50	M154	Z	-.112	-.112	0	%100
51	M157	X	.194	.194	0	%100
52	M157	Z	-.112	-.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	M162	X	.194	.194	0	%100
54	M162	Z	-.112	-.112	0	%100
55	M165	X	.776	.776	0	%100
56	M165	Z	-.448	-.448	0	%100
57	M175	X	1.047	1.047	0	%100
58	M175	Z	-.605	-.605	0	%100
59	M176	X	1.047	1.047	0	%100
60	M176	Z	-.605	-.605	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	1.047	1.047	0	%100
66	M179	Z	-.605	-.605	0	%100
67	M180	X	1.047	1.047	0	%100
68	M180	Z	-.605	-.605	0	%100
69	M183	X	.349	.349	0	%100
70	M183	Z	-.202	-.202	0	%100
71	M184	X	.349	.349	0	%100
72	M184	Z	-.202	-.202	0	%100
73	M188	X	1.396	1.396	0	%100
74	M188	Z	-.806	-.806	0	%100
75	M189	X	1.396	1.396	0	%100
76	M189	Z	-.806	-.806	0	%100
77	M192	X	.349	.349	0	%100
78	M192	Z	-.202	-.202	0	%100
79	M193	X	.349	.349	0	%100
80	M193	Z	-.202	-.202	0	%100
81	M108	X	.712	.712	0	%100
82	M108	Z	-.411	-.411	0	%100
83	M109	X	.178	.178	0	%100
84	M109	Z	-.103	-.103	0	%100
85	M110	X	.178	.178	0	%100
86	M110	Z	-.103	-.103	0	%100
87	MP5A	X	.553	.553	0	%100
88	MP5A	Z	-.319	-.319	0	%100
89	MP4C	X	.553	.553	0	%100
90	MP4C	Z	-.319	-.319	0	%100
91	MP3C	X	.553	.553	0	%100
92	MP3C	Z	-.319	-.319	0	%100
93	MP2C	X	.553	.553	0	%100
94	MP2C	Z	-.319	-.319	0	%100
95	MP1C	X	.553	.553	0	%100
96	MP1C	Z	-.319	-.319	0	%100
97	MP5C	X	.553	.553	0	%100
98	MP5C	Z	-.319	-.319	0	%100
99	MP4B	X	.553	.553	0	%100
100	MP4B	Z	-.319	-.319	0	%100
101	MP3B	X	.553	.553	0	%100
102	MP3B	Z	-.319	-.319	0	%100
103	MP2B	X	.553	.553	0	%100
104	MP2B	Z	-.319	-.319	0	%100
105	MP1B	X	.553	.553	0	%100
106	MP1B	Z	-.319	-.319	0	%100
107	MP5B	X	.553	.553	0	%100
108	MP5B	Z	-.319	-.319	0	%100
109	OVP2	X	.452	.452	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
110	OVP2	Z	-.261	-.261	0	%100
111	OVP1	X	.452	.452	0	%100
112	OVP1	Z	-.261	-.261	0	%100
113	M95A	X	.201	.201	0	%100
114	M95A	Z	-.116	-.116	0	%100
115	M96A	X	.804	.804	0	%100
116	M96A	Z	-.464	-.464	0	%100
117	M97A	X	.201	.201	0	%100
118	M97A	Z	-.116	-.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	1.011	1.011	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	1.209	1.209	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	1.209	1.209	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	1.209	1.209	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	1.209	1.209	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.253	.253	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	1.209	1.209	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.253	.253	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	1.209	1.209	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	.696	.696	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	.696	.696	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	.616	.616	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	.616	.616	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	.638	.638	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.638	.638	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	.638	.638	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	.638	.638	0	%100
44	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
45	M103	X	.672	.672	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	.672	.672	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	.672	.672	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	.672	.672	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	1.612	1.612	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	1.612	1.612	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	.403	.403	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	.403	.403	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	.403	.403	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	.403	.403	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	1.209	1.209	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	1.209	1.209	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	1.209	1.209	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	1.209	1.209	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	.616	.616	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	.616	.616	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	.638	.638	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	.638	.638	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	.638	.638	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	.638	.638	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.638	.638	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	.638	.638	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	.638	.638	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	.638	.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
102	MP3B	Z	0	0	0	%100
103	MP2B	X	.638	.638	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	.638	.638	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	.638	.638	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	.522	.522	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	.522	.522	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100
115	M96A	X	.696	.696	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	.696	.696	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.656	.656	0	%100
2	M4	Z	.379	.379	0	%100
3	M5	X	.349	.349	0	%100
4	M5	Z	.202	.202	0	%100
5	M6	X	.349	.349	0	%100
6	M6	Z	.202	.202	0	%100
7	M7	X	1.396	1.396	0	%100
8	M7	Z	.806	.806	0	%100
9	M9	X	1.396	1.396	0	%100
10	M9	Z	.806	.806	0	%100
11	M10	X	.349	.349	0	%100
12	M10	Z	.202	.202	0	%100
13	M11	X	.656	.656	0	%100
14	M11	Z	.379	.379	0	%100
15	M13	X	.349	.349	0	%100
16	M13	Z	.202	.202	0	%100
17	M20	X	.349	.349	0	%100
18	M20	Z	.202	.202	0	%100
19	M21	X	1.396	1.396	0	%100
20	M21	Z	.806	.806	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	.349	.349	0	%100
24	M24	Z	.202	.202	0	%100
25	M34	X	.178	.178	0	%100
26	M34	Z	.103	.103	0	%100
27	M36	X	.201	.201	0	%100
28	M36	Z	.116	.116	0	%100
29	M37	X	.201	.201	0	%100
30	M37	Z	.116	.116	0	%100
31	M38	X	.804	.804	0	%100
32	M38	Z	.464	.464	0	%100
33	M40	X	.178	.178	0	%100
34	M40	Z	.103	.103	0	%100
35	M41	X	.712	.712	0	%100
36	M41	Z	.411	.411	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
37	MP4A	X	.553	.553	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	.553	.553	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP2A	X	.553	.553	0	%100
42	MP2A	Z	.319	.319	0	%100
43	MP1A	X	.553	.553	0	%100
44	MP1A	Z	.319	.319	0	%100
45	M103	X	.776	.776	0	%100
46	M103	Z	.448	.448	0	%100
47	M107	X	.194	.194	0	%100
48	M107	Z	.112	.112	0	%100
49	M154	X	.776	.776	0	%100
50	M154	Z	.448	.448	0	%100
51	M157	X	.194	.194	0	%100
52	M157	Z	.112	.112	0	%100
53	M162	X	.194	.194	0	%100
54	M162	Z	.112	.112	0	%100
55	M165	X	.194	.194	0	%100
56	M165	Z	.112	.112	0	%100
57	M175	X	1.047	1.047	0	%100
58	M175	Z	.605	.605	0	%100
59	M176	X	1.047	1.047	0	%100
60	M176	Z	.605	.605	0	%100
61	M177	X	1.047	1.047	0	%100
62	M177	Z	.605	.605	0	%100
63	M178	X	1.047	1.047	0	%100
64	M178	Z	.605	.605	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	.349	.349	0	%100
70	M183	Z	.202	.202	0	%100
71	M184	X	.349	.349	0	%100
72	M184	Z	.202	.202	0	%100
73	M188	X	.349	.349	0	%100
74	M188	Z	.202	.202	0	%100
75	M189	X	.349	.349	0	%100
76	M189	Z	.202	.202	0	%100
77	M192	X	1.396	1.396	0	%100
78	M192	Z	.806	.806	0	%100
79	M193	X	1.396	1.396	0	%100
80	M193	Z	.806	.806	0	%100
81	M108	X	.178	.178	0	%100
82	M108	Z	.103	.103	0	%100
83	M109	X	.712	.712	0	%100
84	M109	Z	.411	.411	0	%100
85	M110	X	.178	.178	0	%100
86	M110	Z	.103	.103	0	%100
87	MP5A	X	.553	.553	0	%100
88	MP5A	Z	.319	.319	0	%100
89	MP4C	X	.553	.553	0	%100
90	MP4C	Z	.319	.319	0	%100
91	MP3C	X	.553	.553	0	%100
92	MP3C	Z	.319	.319	0	%100
93	MP2C	X	.553	.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
94	MP2C	Z	.319	.319	0	%100
95	MP1C	X	.553	.553	0	%100
96	MP1C	Z	.319	.319	0	%100
97	MP5C	X	.553	.553	0	%100
98	MP5C	Z	.319	.319	0	%100
99	MP4B	X	.553	.553	0	%100
100	MP4B	Z	.319	.319	0	%100
101	MP3B	X	.553	.553	0	%100
102	MP3B	Z	.319	.319	0	%100
103	MP2B	X	.553	.553	0	%100
104	MP2B	Z	.319	.319	0	%100
105	MP1B	X	.553	.553	0	%100
106	MP1B	Z	.319	.319	0	%100
107	MP5B	X	.553	.553	0	%100
108	MP5B	Z	.319	.319	0	%100
109	OVP2	X	.452	.452	0	%100
110	OVP2	Z	.261	.261	0	%100
111	OVP1	X	.452	.452	0	%100
112	OVP1	Z	.261	.261	0	%100
113	M95A	X	.201	.201	0	%100
114	M95A	Z	.116	.116	0	%100
115	M96A	X	.201	.201	0	%100
116	M96A	Z	.116	.116	0	%100
117	M97A	X	.804	.804	0	%100
118	M97A	Z	.464	.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	.126	.126	0	%100
2	M4	Z	.219	.219	0	%100
3	M5	X	.605	.605	0	%100
4	M5	Z	1.047	1.047	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	.605	.605	0	%100
8	M7	Z	1.047	1.047	0	%100
9	M9	X	.605	.605	0	%100
10	M9	Z	1.047	1.047	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.505	.505	0	%100
14	M11	Z	.875	.875	0	%100
15	M13	X	.605	.605	0	%100
16	M13	Z	1.047	1.047	0	%100
17	M20	X	.605	.605	0	%100
18	M20	Z	1.047	1.047	0	%100
19	M21	X	.605	.605	0	%100
20	M21	Z	1.047	1.047	0	%100
21	M22	X	.126	.126	0	%100
22	M22	Z	.219	.219	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	.308	.308	0	%100
26	M34	Z	.534	.534	0	%100
27	M36	X	.348	.348	0	%100
28	M36	Z	.603	.603	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	.348	.348	0	%100
32	M38	Z	.603	.603	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	.308	.308	0	%100
36	M41	Z	.534	.534	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	.553	.553	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	.553	.553	0	%100
41	MP2A	X	.319	.319	0	%100
42	MP2A	Z	.553	.553	0	%100
43	MP1A	X	.319	.319	0	%100
44	MP1A	Z	.553	.553	0	%100
45	M103	X	.336	.336	0	%100
46	M103	Z	.582	.582	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	.336	.336	0	%100
50	M154	Z	.582	.582	0	%100
51	M157	X	.336	.336	0	%100
52	M157	Z	.582	.582	0	%100
53	M162	X	.336	.336	0	%100
54	M162	Z	.582	.582	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	.202	.202	0	%100
58	M175	Z	.349	.349	0	%100
59	M176	X	.202	.202	0	%100
60	M176	Z	.349	.349	0	%100
61	M177	X	.806	.806	0	%100
62	M177	Z	1.396	1.396	0	%100
63	M178	X	.806	.806	0	%100
64	M178	Z	1.396	1.396	0	%100
65	M179	X	.202	.202	0	%100
66	M179	Z	.349	.349	0	%100
67	M180	X	.202	.202	0	%100
68	M180	Z	.349	.349	0	%100
69	M183	X	.605	.605	0	%100
70	M183	Z	1.047	1.047	0	%100
71	M184	X	.605	.605	0	%100
72	M184	Z	1.047	1.047	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	.605	.605	0	%100
78	M192	Z	1.047	1.047	0	%100
79	M193	X	.605	.605	0	%100
80	M193	Z	1.047	1.047	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	.308	.308	0	%100
84	M109	Z	.534	.534	0	%100
85	M110	X	.308	.308	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
86	M110	Z	.534	.534	0	%100
87	MP5A	X	.319	.319	0	%100
88	MP5A	Z	.553	.553	0	%100
89	MP4C	X	.319	.319	0	%100
90	MP4C	Z	.553	.553	0	%100
91	MP3C	X	.319	.319	0	%100
92	MP3C	Z	.553	.553	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	MP1C	X	.319	.319	0	%100
96	MP1C	Z	.553	.553	0	%100
97	MP5C	X	.319	.319	0	%100
98	MP5C	Z	.553	.553	0	%100
99	MP4B	X	.319	.319	0	%100
100	MP4B	Z	.553	.553	0	%100
101	MP3B	X	.319	.319	0	%100
102	MP3B	Z	.553	.553	0	%100
103	MP2B	X	.319	.319	0	%100
104	MP2B	Z	.553	.553	0	%100
105	MP1B	X	.319	.319	0	%100
106	MP1B	Z	.553	.553	0	%100
107	MP5B	X	.319	.319	0	%100
108	MP5B	Z	.553	.553	0	%100
109	OVP2	X	.261	.261	0	%100
110	OVP2	Z	.452	.452	0	%100
111	OVP1	X	.261	.261	0	%100
112	OVP1	Z	.452	.452	0	%100
113	M95A	X	.348	.348	0	%100
114	M95A	Z	.603	.603	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	.348	.348	0	%100
118	M97A	Z	.603	.603	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	1.612	1.612	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.403	.403	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	.403	.403	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.403	.403	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.403	.403	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.758	.758	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	1.612	1.612	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	1.612	1.612	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.403	.403	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M22	X	0	0	0	%100
22	M22	Z	.758	.758	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	.403	.403	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	.822	.822	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	.928	.928	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	.232	.232	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	.232	.232	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	.205	.205	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	.205	.205	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.638	.638	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.638	.638	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.638	.638	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.638	.638	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	.224	.224	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	.224	.224	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	.224	.224	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	.896	.896	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	.896	.896	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	.224	.224	0	%100
57	M175	X	0	0	0	%100
58	M175	Z	0	0	0	%100
59	M176	X	0	0	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	0	0	0	%100
62	M177	Z	1.209	1.209	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	1.209	1.209	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	1.209	1.209	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	1.209	1.209	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	1.612	1.612	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	1.612	1.612	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	.403	.403	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	.403	.403	0	%100
77	M192	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
78	M192	Z	.403	.403	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	.403	.403	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	.205	.205	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	.205	.205	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	.822	.822	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.638	.638	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.638	.638	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.638	.638	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.638	.638	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.638	.638	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	.638	.638	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	.638	.638	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.638	.638	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.638	.638	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	.638	.638	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	.638	.638	0	%100
109	OVP2	X	0	0	0	%100
110	OVP2	Z	.522	.522	0	%100
111	OVP1	X	0	0	0	%100
112	OVP1	Z	.522	.522	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	.928	.928	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	.232	.232	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	.232	.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.126	-.126	0	%100
2	M4	Z	.219	.219	0	%100
3	M5	X	-.605	-.605	0	%100
4	M5	Z	1.047	1.047	0	%100
5	M6	X	-.605	-.605	0	%100
6	M6	Z	1.047	1.047	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.605	-.605	0	%100
12	M10	Z	1.047	1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
13	M11	X	-.126	-.126	0	%100
14	M11	Z	.219	.219	0	%100
15	M13	X	-.605	-.605	0	%100
16	M13	Z	1.047	1.047	0	%100
17	M20	X	-.605	-.605	0	%100
18	M20	Z	1.047	1.047	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.505	-.505	0	%100
22	M22	Z	.875	.875	0	%100
23	M24	X	-.605	-.605	0	%100
24	M24	Z	1.047	1.047	0	%100
25	M34	X	-.308	-.308	0	%100
26	M34	Z	.534	.534	0	%100
27	M36	X	-.348	-.348	0	%100
28	M36	Z	.603	.603	0	%100
29	M37	X	-.348	-.348	0	%100
30	M37	Z	.603	.603	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-.308	-.308	0	%100
34	M40	Z	.534	.534	0	%100
35	M41	X	0	0	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	.553	.553	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	.553	.553	0	%100
41	MP2A	X	-.319	-.319	0	%100
42	MP2A	Z	.553	.553	0	%100
43	MP1A	X	-.319	-.319	0	%100
44	MP1A	Z	.553	.553	0	%100
45	M103	X	0	0	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	-.336	-.336	0	%100
48	M107	Z	.582	.582	0	%100
49	M154	X	0	0	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	-.336	-.336	0	%100
52	M157	Z	.582	.582	0	%100
53	M162	X	-.336	-.336	0	%100
54	M162	Z	.582	.582	0	%100
55	M165	X	-.336	-.336	0	%100
56	M165	Z	.582	.582	0	%100
57	M175	X	-.202	-.202	0	%100
58	M175	Z	.349	.349	0	%100
59	M176	X	-.202	-.202	0	%100
60	M176	Z	.349	.349	0	%100
61	M177	X	-.202	-.202	0	%100
62	M177	Z	.349	.349	0	%100
63	M178	X	-.202	-.202	0	%100
64	M178	Z	.349	.349	0	%100
65	M179	X	-.806	-.806	0	%100
66	M179	Z	1.396	1.396	0	%100
67	M180	X	-.806	-.806	0	%100
68	M180	Z	1.396	1.396	0	%100
69	M183	X	-.605	-.605	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M183	Z	1.047	1.047	0	%100
71	M184	X	-.605	-.605	0	%100
72	M184	Z	1.047	1.047	0	%100
73	M188	X	-.605	-.605	0	%100
74	M188	Z	1.047	1.047	0	%100
75	M189	X	-.605	-.605	0	%100
76	M189	Z	1.047	1.047	0	%100
77	M192	X	0	0	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	0	0	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-.308	-.308	0	%100
82	M108	Z	.534	.534	0	%100
83	M109	X	0	0	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	-.308	-.308	0	%100
86	M110	Z	.534	.534	0	%100
87	MP5A	X	-.319	-.319	0	%100
88	MP5A	Z	.553	.553	0	%100
89	MP4C	X	-.319	-.319	0	%100
90	MP4C	Z	.553	.553	0	%100
91	MP3C	X	-.319	-.319	0	%100
92	MP3C	Z	.553	.553	0	%100
93	MP2C	X	-.319	-.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	MP1C	X	-.319	-.319	0	%100
96	MP1C	Z	.553	.553	0	%100
97	MP5C	X	-.319	-.319	0	%100
98	MP5C	Z	.553	.553	0	%100
99	MP4B	X	-.319	-.319	0	%100
100	MP4B	Z	.553	.553	0	%100
101	MP3B	X	-.319	-.319	0	%100
102	MP3B	Z	.553	.553	0	%100
103	MP2B	X	-.319	-.319	0	%100
104	MP2B	Z	.553	.553	0	%100
105	MP1B	X	-.319	-.319	0	%100
106	MP1B	Z	.553	.553	0	%100
107	MP5B	X	-.319	-.319	0	%100
108	MP5B	Z	.553	.553	0	%100
109	OVP2	X	-.261	-.261	0	%100
110	OVP2	Z	.452	.452	0	%100
111	OVP1	X	-.261	-.261	0	%100
112	OVP1	Z	.452	.452	0	%100
113	M95A	X	-.348	-.348	0	%100
114	M95A	Z	.603	.603	0	%100
115	M96A	X	-.348	-.348	0	%100
116	M96A	Z	.603	.603	0	%100
117	M97A	X	0	0	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.656	-.656	0	%100
2	M4	Z	.379	.379	0	%100
3	M5	X	-.349	-.349	0	%100
4	M5	Z	.202	.202	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
5	M6	X	-1.396	-1.396	0	%100
6	M6	Z	.806	.806	0	%100
7	M7	X	-.349	-.349	0	%100
8	M7	Z	.202	.202	0	%100
9	M9	X	-.349	-.349	0	%100
10	M9	Z	.202	.202	0	%100
11	M10	X	-1.396	-1.396	0	%100
12	M10	Z	.806	.806	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-.349	-.349	0	%100
16	M13	Z	.202	.202	0	%100
17	M20	X	-.349	-.349	0	%100
18	M20	Z	.202	.202	0	%100
19	M21	X	-.349	-.349	0	%100
20	M21	Z	.202	.202	0	%100
21	M22	X	-.656	-.656	0	%100
22	M22	Z	.379	.379	0	%100
23	M24	X	-1.396	-1.396	0	%100
24	M24	Z	.806	.806	0	%100
25	M34	X	-.178	-.178	0	%100
26	M34	Z	.103	.103	0	%100
27	M36	X	-.201	-.201	0	%100
28	M36	Z	.116	.116	0	%100
29	M37	X	-.804	-.804	0	%100
30	M37	Z	.464	.464	0	%100
31	M38	X	-.201	-.201	0	%100
32	M38	Z	.116	.116	0	%100
33	M40	X	-.712	-.712	0	%100
34	M40	Z	.411	.411	0	%100
35	M41	X	-.178	-.178	0	%100
36	M41	Z	.103	.103	0	%100
37	MP4A	X	-.553	-.553	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	-.553	-.553	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP2A	X	-.553	-.553	0	%100
42	MP2A	Z	.319	.319	0	%100
43	MP1A	X	-.553	-.553	0	%100
44	MP1A	Z	.319	.319	0	%100
45	M103	X	-.194	-.194	0	%100
46	M103	Z	.112	.112	0	%100
47	M107	X	-.776	-.776	0	%100
48	M107	Z	.448	.448	0	%100
49	M154	X	-.194	-.194	0	%100
50	M154	Z	.112	.112	0	%100
51	M157	X	-.194	-.194	0	%100
52	M157	Z	.112	.112	0	%100
53	M162	X	-.194	-.194	0	%100
54	M162	Z	.112	.112	0	%100
55	M165	X	-.776	-.776	0	%100
56	M165	Z	.448	.448	0	%100
57	M175	X	-1.047	-1.047	0	%100
58	M175	Z	.605	.605	0	%100
59	M176	X	-1.047	-1.047	0	%100
60	M176	Z	.605	.605	0	%100
61	M177	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
62	M177	Z	0	0	0	%100
63	M178	X	0	0	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-1.047	-1.047	0	%100
66	M179	Z	.605	.605	0	%100
67	M180	X	-1.047	-1.047	0	%100
68	M180	Z	.605	.605	0	%100
69	M183	X	-.349	-.349	0	%100
70	M183	Z	.202	.202	0	%100
71	M184	X	-.349	-.349	0	%100
72	M184	Z	.202	.202	0	%100
73	M188	X	-1.396	-1.396	0	%100
74	M188	Z	.806	.806	0	%100
75	M189	X	-1.396	-1.396	0	%100
76	M189	Z	.806	.806	0	%100
77	M192	X	-.349	-.349	0	%100
78	M192	Z	.202	.202	0	%100
79	M193	X	-.349	-.349	0	%100
80	M193	Z	.202	.202	0	%100
81	M108	X	-.712	-.712	0	%100
82	M108	Z	.411	.411	0	%100
83	M109	X	-.178	-.178	0	%100
84	M109	Z	.103	.103	0	%100
85	M110	X	-.178	-.178	0	%100
86	M110	Z	.103	.103	0	%100
87	MP5A	X	-.553	-.553	0	%100
88	MP5A	Z	.319	.319	0	%100
89	MP4C	X	-.553	-.553	0	%100
90	MP4C	Z	.319	.319	0	%100
91	MP3C	X	-.553	-.553	0	%100
92	MP3C	Z	.319	.319	0	%100
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	.319	.319	0	%100
95	MP1C	X	-.553	-.553	0	%100
96	MP1C	Z	.319	.319	0	%100
97	MP5C	X	-.553	-.553	0	%100
98	MP5C	Z	.319	.319	0	%100
99	MP4B	X	-.553	-.553	0	%100
100	MP4B	Z	.319	.319	0	%100
101	MP3B	X	-.553	-.553	0	%100
102	MP3B	Z	.319	.319	0	%100
103	MP2B	X	-.553	-.553	0	%100
104	MP2B	Z	.319	.319	0	%100
105	MP1B	X	-.553	-.553	0	%100
106	MP1B	Z	.319	.319	0	%100
107	MP5B	X	-.553	-.553	0	%100
108	MP5B	Z	.319	.319	0	%100
109	OVP2	X	-.452	-.452	0	%100
110	OVP2	Z	.261	.261	0	%100
111	OVP1	X	-.452	-.452	0	%100
112	OVP1	Z	.261	.261	0	%100
113	M95A	X	-.201	-.201	0	%100
114	M95A	Z	.116	.116	0	%100
115	M96A	X	-.804	-.804	0	%100
116	M96A	Z	.464	.464	0	%100
117	M97A	X	-.201	-.201	0	%100
118	M97A	Z	.116	.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-1.011	-1.011	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-1.209	-1.209	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-1.209	-1.209	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-1.209	-1.209	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-1.209	-1.209	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.253	-.253	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-1.209	-1.209	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.253	-.253	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-1.209	-1.209	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	0	0	0	%100
26	M34	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-.696	-.696	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-.696	-.696	0	%100
32	M38	Z	0	0	0	%100
33	M40	X	-.616	-.616	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-.616	-.616	0	%100
36	M41	Z	0	0	0	%100
37	MP4A	X	-.638	-.638	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.638	-.638	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-.638	-.638	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-.638	-.638	0	%100
44	MP1A	Z	0	0	0	%100
45	M103	X	-.672	-.672	0	%100
46	M103	Z	0	0	0	%100
47	M107	X	-.672	-.672	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	-.672	-.672	0	%100
50	M154	Z	0	0	0	%100
51	M157	X	0	0	0	%100
52	M157	Z	0	0	0	%100
53	M162	X	0	0	0	%100
54	M162	Z	0	0	0	%100
55	M165	X	-.672	-.672	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	-1.612	-1.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M175	Z	0	0	0	%100
59	M176	X	-1.612	-1.612	0	%100
60	M176	Z	0	0	0	%100
61	M177	X	-.403	-.403	0	%100
62	M177	Z	0	0	0	%100
63	M178	X	-.403	-.403	0	%100
64	M178	Z	0	0	0	%100
65	M179	X	-.403	-.403	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	-.403	-.403	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	0	0	0	%100
70	M183	Z	0	0	0	%100
71	M184	X	0	0	0	%100
72	M184	Z	0	0	0	%100
73	M188	X	-1.209	-1.209	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	-1.209	-1.209	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	-1.209	-1.209	0	%100
78	M192	Z	0	0	0	%100
79	M193	X	-1.209	-1.209	0	%100
80	M193	Z	0	0	0	%100
81	M108	X	-.616	-.616	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-.616	-.616	0	%100
84	M109	Z	0	0	0	%100
85	M110	X	0	0	0	%100
86	M110	Z	0	0	0	%100
87	MP5A	X	-.638	-.638	0	%100
88	MP5A	Z	0	0	0	%100
89	MP4C	X	-.638	-.638	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-.638	-.638	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-.638	-.638	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-.638	-.638	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-.638	-.638	0	%100
98	MP5C	Z	0	0	0	%100
99	MP4B	X	-.638	-.638	0	%100
100	MP4B	Z	0	0	0	%100
101	MP3B	X	-.638	-.638	0	%100
102	MP3B	Z	0	0	0	%100
103	MP2B	X	-.638	-.638	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-.638	-.638	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-.638	-.638	0	%100
108	MP5B	Z	0	0	0	%100
109	OVP2	X	-.522	-.522	0	%100
110	OVP2	Z	0	0	0	%100
111	OVP1	X	-.522	-.522	0	%100
112	OVP1	Z	0	0	0	%100
113	M95A	X	0	0	0	%100
114	M95A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
115	M96A	X	-.696	-.696	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	-.696	-.696	0	%100
118	M97A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.656	-.656	0	%100
2	M4	Z	-.379	-.379	0	%100
3	M5	X	-.349	-.349	0	%100
4	M5	Z	-.202	-.202	0	%100
5	M6	X	-.349	-.349	0	%100
6	M6	Z	-.202	-.202	0	%100
7	M7	X	-1.396	-1.396	0	%100
8	M7	Z	-.806	-.806	0	%100
9	M9	X	-1.396	-1.396	0	%100
10	M9	Z	-.806	-.806	0	%100
11	M10	X	-.349	-.349	0	%100
12	M10	Z	-.202	-.202	0	%100
13	M11	X	-.656	-.656	0	%100
14	M11	Z	-.379	-.379	0	%100
15	M13	X	-.349	-.349	0	%100
16	M13	Z	-.202	-.202	0	%100
17	M20	X	-.349	-.349	0	%100
18	M20	Z	-.202	-.202	0	%100
19	M21	X	-1.396	-1.396	0	%100
20	M21	Z	-.806	-.806	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M24	X	-.349	-.349	0	%100
24	M24	Z	-.202	-.202	0	%100
25	M34	X	-.178	-.178	0	%100
26	M34	Z	-.103	-.103	0	%100
27	M36	X	-.201	-.201	0	%100
28	M36	Z	-.116	-.116	0	%100
29	M37	X	-.201	-.201	0	%100
30	M37	Z	-.116	-.116	0	%100
31	M38	X	-.804	-.804	0	%100
32	M38	Z	-.464	-.464	0	%100
33	M40	X	-.178	-.178	0	%100
34	M40	Z	-.103	-.103	0	%100
35	M41	X	-.712	-.712	0	%100
36	M41	Z	-.411	-.411	0	%100
37	MP4A	X	-.553	-.553	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	-.553	-.553	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP2A	X	-.553	-.553	0	%100
42	MP2A	Z	-.319	-.319	0	%100
43	MP1A	X	-.553	-.553	0	%100
44	MP1A	Z	-.319	-.319	0	%100
45	M103	X	-.776	-.776	0	%100
46	M103	Z	-.448	-.448	0	%100
47	M107	X	-.194	-.194	0	%100
48	M107	Z	-.112	-.112	0	%100
49	M154	X	-.776	-.776	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
50	M154	Z	-.448	-.448	0	%100
51	M157	X	-.194	-.194	0	%100
52	M157	Z	-.112	-.112	0	%100
53	M162	X	-.194	-.194	0	%100
54	M162	Z	-.112	-.112	0	%100
55	M165	X	-.194	-.194	0	%100
56	M165	Z	-.112	-.112	0	%100
57	M175	X	-1.047	-1.047	0	%100
58	M175	Z	-.605	-.605	0	%100
59	M176	X	-1.047	-1.047	0	%100
60	M176	Z	-.605	-.605	0	%100
61	M177	X	-1.047	-1.047	0	%100
62	M177	Z	-.605	-.605	0	%100
63	M178	X	-1.047	-1.047	0	%100
64	M178	Z	-.605	-.605	0	%100
65	M179	X	0	0	0	%100
66	M179	Z	0	0	0	%100
67	M180	X	0	0	0	%100
68	M180	Z	0	0	0	%100
69	M183	X	-.349	-.349	0	%100
70	M183	Z	-.202	-.202	0	%100
71	M184	X	-.349	-.349	0	%100
72	M184	Z	-.202	-.202	0	%100
73	M188	X	-.349	-.349	0	%100
74	M188	Z	-.202	-.202	0	%100
75	M189	X	-.349	-.349	0	%100
76	M189	Z	-.202	-.202	0	%100
77	M192	X	-1.396	-1.396	0	%100
78	M192	Z	-.806	-.806	0	%100
79	M193	X	-1.396	-1.396	0	%100
80	M193	Z	-.806	-.806	0	%100
81	M108	X	-.178	-.178	0	%100
82	M108	Z	-.103	-.103	0	%100
83	M109	X	-.712	-.712	0	%100
84	M109	Z	-.411	-.411	0	%100
85	M110	X	-.178	-.178	0	%100
86	M110	Z	-.103	-.103	0	%100
87	MP5A	X	-.553	-.553	0	%100
88	MP5A	Z	-.319	-.319	0	%100
89	MP4C	X	-.553	-.553	0	%100
90	MP4C	Z	-.319	-.319	0	%100
91	MP3C	X	-.553	-.553	0	%100
92	MP3C	Z	-.319	-.319	0	%100
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	-.319	-.319	0	%100
95	MP1C	X	-.553	-.553	0	%100
96	MP1C	Z	-.319	-.319	0	%100
97	MP5C	X	-.553	-.553	0	%100
98	MP5C	Z	-.319	-.319	0	%100
99	MP4B	X	-.553	-.553	0	%100
100	MP4B	Z	-.319	-.319	0	%100
101	MP3B	X	-.553	-.553	0	%100
102	MP3B	Z	-.319	-.319	0	%100
103	MP2B	X	-.553	-.553	0	%100
104	MP2B	Z	-.319	-.319	0	%100
105	MP1B	X	-.553	-.553	0	%100
106	MP1B	Z	-.319	-.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
107	MP5B	X	-.553	-.553	0	%100
108	MP5B	Z	-.319	-.319	0	%100
109	OVP2	X	-.452	-.452	0	%100
110	OVP2	Z	-.261	-.261	0	%100
111	OVP1	X	-.452	-.452	0	%100
112	OVP1	Z	-.261	-.261	0	%100
113	M95A	X	-.201	-.201	0	%100
114	M95A	Z	-.116	-.116	0	%100
115	M96A	X	-.201	-.201	0	%100
116	M96A	Z	-.116	-.116	0	%100
117	M97A	X	-.804	-.804	0	%100
118	M97A	Z	-.464	-.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M4	X	-.126	-.126	0	%100
2	M4	Z	-.219	-.219	0	%100
3	M5	X	-.605	-.605	0	%100
4	M5	Z	-1.047	-1.047	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	-.605	-.605	0	%100
8	M7	Z	-1.047	-1.047	0	%100
9	M9	X	-.605	-.605	0	%100
10	M9	Z	-1.047	-1.047	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.505	-.505	0	%100
14	M11	Z	-.875	-.875	0	%100
15	M13	X	-.605	-.605	0	%100
16	M13	Z	-1.047	-1.047	0	%100
17	M20	X	-.605	-.605	0	%100
18	M20	Z	-1.047	-1.047	0	%100
19	M21	X	-.605	-.605	0	%100
20	M21	Z	-1.047	-1.047	0	%100
21	M22	X	-.126	-.126	0	%100
22	M22	Z	-.219	-.219	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M34	X	-.308	-.308	0	%100
26	M34	Z	-.534	-.534	0	%100
27	M36	X	-.348	-.348	0	%100
28	M36	Z	-.603	-.603	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-.348	-.348	0	%100
32	M38	Z	-.603	-.603	0	%100
33	M40	X	0	0	0	%100
34	M40	Z	0	0	0	%100
35	M41	X	-.308	-.308	0	%100
36	M41	Z	-.534	-.534	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	-.553	-.553	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	-.553	-.553	0	%100
41	MP2A	X	-.319	-.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
42	MP2A	Z	-.553	-.553	0	%100
43	MP1A	X	-.319	-.319	0	%100
44	MP1A	Z	-.553	-.553	0	%100
45	M103	X	-.336	-.336	0	%100
46	M103	Z	-.582	-.582	0	%100
47	M107	X	0	0	0	%100
48	M107	Z	0	0	0	%100
49	M154	X	-.336	-.336	0	%100
50	M154	Z	-.582	-.582	0	%100
51	M157	X	-.336	-.336	0	%100
52	M157	Z	-.582	-.582	0	%100
53	M162	X	-.336	-.336	0	%100
54	M162	Z	-.582	-.582	0	%100
55	M165	X	0	0	0	%100
56	M165	Z	0	0	0	%100
57	M175	X	-.202	-.202	0	%100
58	M175	Z	-.349	-.349	0	%100
59	M176	X	-.202	-.202	0	%100
60	M176	Z	-.349	-.349	0	%100
61	M177	X	-.806	-.806	0	%100
62	M177	Z	-1.396	-1.396	0	%100
63	M178	X	-.806	-.806	0	%100
64	M178	Z	-1.396	-1.396	0	%100
65	M179	X	-.202	-.202	0	%100
66	M179	Z	-.349	-.349	0	%100
67	M180	X	-.202	-.202	0	%100
68	M180	Z	-.349	-.349	0	%100
69	M183	X	-.605	-.605	0	%100
70	M183	Z	-1.047	-1.047	0	%100
71	M184	X	-.605	-.605	0	%100
72	M184	Z	-1.047	-1.047	0	%100
73	M188	X	0	0	0	%100
74	M188	Z	0	0	0	%100
75	M189	X	0	0	0	%100
76	M189	Z	0	0	0	%100
77	M192	X	-.605	-.605	0	%100
78	M192	Z	-1.047	-1.047	0	%100
79	M193	X	-.605	-.605	0	%100
80	M193	Z	-1.047	-1.047	0	%100
81	M108	X	0	0	0	%100
82	M108	Z	0	0	0	%100
83	M109	X	-.308	-.308	0	%100
84	M109	Z	-.534	-.534	0	%100
85	M110	X	-.308	-.308	0	%100
86	M110	Z	-.534	-.534	0	%100
87	MP5A	X	-.319	-.319	0	%100
88	MP5A	Z	-.553	-.553	0	%100
89	MP4C	X	-.319	-.319	0	%100
90	MP4C	Z	-.553	-.553	0	%100
91	MP3C	X	-.319	-.319	0	%100
92	MP3C	Z	-.553	-.553	0	%100
93	MP2C	X	-.319	-.319	0	%100
94	MP2C	Z	-.553	-.553	0	%100
95	MP1C	X	-.319	-.319	0	%100
96	MP1C	Z	-.553	-.553	0	%100
97	MP5C	X	-.319	-.319	0	%100
98	MP5C	Z	-.553	-.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
99	MP4B	X	-.319	-.319	0	%100
100	MP4B	Z	-.553	-.553	0	%100
101	MP3B	X	-.319	-.319	0	%100
102	MP3B	Z	-.553	-.553	0	%100
103	MP2B	X	-.319	-.319	0	%100
104	MP2B	Z	-.553	-.553	0	%100
105	MP1B	X	-.319	-.319	0	%100
106	MP1B	Z	-.553	-.553	0	%100
107	MP5B	X	-.319	-.319	0	%100
108	MP5B	Z	-.553	-.553	0	%100
109	OVP2	X	-.261	-.261	0	%100
110	OVP2	Z	-.452	-.452	0	%100
111	OVP1	X	-.261	-.261	0	%100
112	OVP1	Z	-.452	-.452	0	%100
113	M95A	X	-.348	-.348	0	%100
114	M95A	Z	-.603	-.603	0	%100
115	M96A	X	0	0	0	%100
116	M96A	Z	0	0	0	%100
117	M97A	X	-.348	-.348	0	%100
118	M97A	Z	-.603	-.603	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M103	Y	-5.137	-7.697	0	17.651
2	M103	Y	-7.697	-6.378	17.651	35.301
3	M103	Y	-6.378	-1.179	35.301	52.952
4	M107	Y	-1.703	-5.243	10.59	31.77
5	M107	Y	-5.243	-8.783	31.77	52.949
6	M162	Y	-1.179	-6.378	0	17.65
7	M162	Y	-6.378	-7.697	17.65	35.3
8	M162	Y	-7.697	-5.137	35.3	52.949
9	M165	Y	-8.783	-5.243	0	21.181
10	M165	Y	-5.243	-1.703	21.181	42.362
11	M154	Y	-1.179	-6.378	0	17.65
12	M154	Y	-6.378	-7.697	17.65	35.3
13	M154	Y	-7.697	-5.137	35.3	52.949
14	M157	Y	-8.783	-5.243	0	21.181
15	M157	Y	-5.243	-1.703	21.181	42.362

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M103	Y	-9.76	-14.624	0	17.651
2	M103	Y	-14.624	-12.118	17.651	35.301
3	M103	Y	-12.118	-2.241	35.301	52.952
4	M107	Y	-3.236	-9.962	10.59	31.77
5	M107	Y	-9.962	-16.688	31.77	52.949
6	M162	Y	-2.241	-12.119	0	17.65
7	M162	Y	-12.119	-14.625	17.65	35.3
8	M162	Y	-14.625	-9.761	35.3	52.949
9	M165	Y	-16.687	-9.961	0	21.181
10	M165	Y	-9.961	-3.236	21.181	42.362
11	M154	Y	-2.241	-12.119	0	17.65
12	M154	Y	-12.119	-14.625	17.65	35.3
13	M154	Y	-14.625	-9.761	35.3	52.949
14	M157	Y	-16.687	-9.961	0	21.181
15	M157	Y	-9.961	-3.236	21.181	42.362

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	N14	max	5148.951	9	384.643	27	2124.27	2	.045	7	1.793	12	.142	49
2		min	-3357.943	3	-296.028	49	-3156.386	8	-.942	25	-1.798	6	-.329	17
3	N3	max	1303.77	10	647.348	19	6901.839	1	.669	20	1.639	4	.11	4
4		min	-1276.826	4	-226.372	1	-4944.044	7	.068	26	-1.656	10	-.17	10
5	N21	max	3384.601	11	384.202	36	2037.46	12	.074	8	1.795	8	.392	23
6		min	-5205.222	5	-133.683	6	-3053.799	6	-.815	38	-1.802	2	-.008	41
7	N206A	max	109.963	10	3247.436	13	1649.907	7	.484	7	.223	4	.171	4
8		min	-120.582	4	-1007.1...	7	-4857.776	13	-1.178	13	-.213	10	-.162	10
9	N215	max	936.766	3	3356.674	21	2534.58	21	.632	21	.272	12	1.08	21
10		min	-4374.77	21	-627.627	3	-534.1	3	-.177	3	-.266	6	-.296	3
11	N224	max	4402.544	17	3366.255	17	2522.192	17	.62	17	.275	8	.282	11
12		min	-914.779	11	-623.121	11	-554.814	11	-.194	11	-.265	2	-1.095	17
13	Totals:	max	5380.204	10	9385.756	23	6085.636	1						
14		min	-5380.203	4	3394.294	5	-6085.634	7						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear C...	Loc...	Dir	L...	phi*Pn...	phi*Pnt [lb]	phi*Mn ...	phi*Mn z-z [k-ft] ...	Eqn
1	M4	HSS4X4X4	.159	36.695	1	.062	35....	y	24	11850...	139518	16.181	16.181	1...H1-1b
2	M5	PL3/8x6	.301	4.181	7	.115	4.181	y	13	53698....	72900	.57	9.113	1...H1-1b
3	M6	PL3/8x6	.177	0	1	.021	0	z	6	67566....	72900	.57	9.113	2...H1-1b
4	M7	PL3/8x6	.212	0	1	.020	2.042	z	1	67566....	72900	.57	9.113	2...H1-1b
5	M9	PL3/8x6	.178	2.042	1	.021	0	y	7	67566....	72900	.57	9.113	1...H1-1b
6	M10	PL3/8x6	.290	4.181	8	.120	4.181	y	21	53698....	72900	.57	9.113	1...H1-1b
7	M11	HSS4X4X4	.149	36.695	21	.067	0	y	25	11850...	139518	16.181	16.181	1...H1-1b
8	M13	PL3/8x6	.200	0	9	.026	0	y	49	67566....	72900	.57	9.113	2...H1-1b
9	M20	PL3/8x6	.168	2.042	3	.019	0	z	4	67566....	72900	.57	9.113	1...H1-1b
10	M21	PL3/8x6	.275	4.181	5	.129	4.181	y	18	53698....	72900	.57	9.113	1...H1-1b
11	M22	HSS4X4X4	.150	36.695	17	.064	35....	y	18	11850...	139518	16.181	16.181	1...H1-1b
12	M24	PL3/8x6	.190	0	5	.022	0	y	7	67566....	72900	.57	9.113	2...H1-1b
13	M34	HSS4X4X4	.171	29.581	13	.058	29....	y	13	13601...	139518	16.181	16.181	1...H1-1b
14	M36	PIPE_3.0	.188	64.133	5	.252	87....		4	24526....	65205	5.749	5.749	3...H3-6
15	M37	PIPE_3.0	.191	97.888	1	.278	72....		6	24526....	65205	5.749	5.749	3...H3-6
16	M38	PIPE_3.0	.185	97.888	8	.274	60....		8	24526....	65205	5.749	5.749	3...H3-6
17	M40	HSS4X4X4	.185	29.581	21	.063	29....	y	20	13601...	139518	16.181	16.181	1...H1-1b
18	M41	HSS4X4X4	.185	29.581	18	.067	29....	y	41	13601...	139518	16.181	16.181	1...H1-1b
19	MP4A	PIPE_2.5	.403	70	10	.327	70		10	30038....	50715	3.596	3.596	3...H3-6
20	MP3A	PIPE_2.0	.330	46.5	4	.242	46.5		5	20866....	32130	1.872	1.872	2...H1-1b
21	MP2A	PIPE_2.0	.462	70	4	.284	70		5	14916....	32130	1.872	1.872	3...H3-6
22	MP1A	PIPE_2.0	.568	57	4	.170	57		4	20866....	32130	1.872	1.872	2...H1-1b
23	M103	L2x2x3	.186	52.952	24	.012	52....	y	22	8802.6...	23392.8	.558	1.239	2...H2-1
24	M107	L2x2x3	.162	0	14	.011	52....	y	18	8803.4...	23392.8	.558	1.227	2...H2-1
25	M154	L2x2x3	.192	0	23	.012	0	y	24	8803.4...	23392.8	.558	1.239	2...H2-1
26	M157	L2x2x3	.175	52.952	19	.012	0	y	16	8802.6...	23392.8	.558	1.224	2...H2-1
27	M162	L2x2x3	.197	0	19	.013	0	y	20	8803.4...	23392.8	.558	1.239	2...H2-1
28	M165	L2x2x3	.169	52.952	15	.011	0	y	24	8802.6...	23392.8	.558	1.225	2...H2-1
29	M175	PL3/8x6	.156	2.038	10	.254	2.038	y	1	67585....	72900	.57	9.113	1...H1-1b
30	M176	PL3/8x6	.120	2.038	7	.215	2.038	y	1	67585....	72900	.57	9.113	1...H1-1b
31	M177	PL3/8x6	.199	2.038	6	.230	2.038	y	9	67585....	72900	.57	9.113	1...H1-1b
32	M178	PL3/8x6	.154	2.038	12	.199	2.038	y	9	67585....	72900	.57	9.113	1...H1-1b
33	M179	PL3/8x6	.203	2.038	2	.238	2.038	y	5	67585....	72900	.57	9.113	1...H1-1b
34	M180	PL3/8x6	.154	2.038	8	.330	2.038	y	42	67585....	72900	.57	9.113	1...H1-1b
35	M183	PL3/8x6	.195	2.038	6	.037	0	y	33	67585....	72900	.57	9.113	1...H1-1b
36	M184	PL3/8x6	.160	2.038	2	.037	0	y	41	67585....	72900	.57	9.113	1...H1-1b
37	M188	PL3/8x6	.200	2.038	2	.036	0	y	17	67585....	72900	.57	9.113	1...H1-1b

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

	Member	Shape	Code Check	Loc[in]	LC	Shear C...	Loc...	Dir	L...	phi*Pn...	phi*Pnt [lb]	phi*Mn ...	phi*Mn z-z [k-ft] ...	Eqn
38	M189	PL3/8x6	.109	2.038	4	.032	0	y	13	67585....	72900	.57	9.113	2...H1-1b
39	M192	PL3/8x6	.161	2.038	10	.034	0	y	13	67585....	72900	.57	9.113	1...H1-1b
40	M193	PL3/8x6	.163	2.038	6	.035	0	y	21	67585....	72900	.57	9.113	1...H1-1b
41	M108	HSS4X4X4	.191	0	20	.067	0	y	22	13601...	139518	16.181	16.181	1...H1-1b
42	M109	HSS4X4X4	.190	0	16	.068	0	y	18	13601...	139518	16.181	16.181	1...H1-1b
43	M110	HSS4X4X4	.178	0	13	.062	0	y	14	13601...	139518	16.181	16.181	1...H1-1b
44	MP5A	PIPE_2.0	.792	57	10	.301	57		10	20866....	32130	1.872	1.872	2...H3-6
45	MP4C	PIPE_2.5	.349	70	7	.295	35		6	30038....	50715	3.596	3.596	2...H1-1b
46	MP3C	PIPE_2.0	.415	46.5	6	.272	46.5		6	20866....	32130	1.872	1.872	2...H3-6
47	MP2C	PIPE_2.0	.511	70	12	.311	70		1	14916....	32130	1.872	1.872	4...H3-6
48	MP1C	PIPE_2.0	.616	57	12	.185	57		6	20866....	32130	1.872	1.872	2...H1-1b
49	MP5C	PIPE_2.0	.879	57	6	.325	57		6	20866....	32130	1.872	1.872	2...H3-6
50	MP4B	PIPE_2.5	.356	70	1	.288	70		1	30038....	50715	3.596	3.596	4...H3-6
51	MP3B	PIPE_2.0	.445	46.5	8	.266	46.5		8	20866....	32130	1.872	1.872	2...H3-6
52	MP2B	PIPE_2.0	.532	70	8	.302	70		8	14916....	32130	1.872	1.872	2...H3-6
53	MP1B	PIPE_2.0	.637	57	8	.185	57		8	20866....	32130	1.872	1.872	2...H1-1b
54	MP5B	PIPE_2.0	.848	57	2	.317	48.75		1	20866....	32130	1.872	1.872	2...H3-6
55	OVP2	PIPE_2.0	.140	24	12	.019	24		12	28843....	32130	1.872	1.872	2...H1-1b
56	OVP1	PIPE_2.0	.140	24	12	.019	24		12	28843....	32130	1.872	1.872	2...H1-1b
57	M95A	PIPE_2.5	.295	62.446	8	.307	20....		9	12478....	50715	3.596	3.596	3...H3-6
58	M96A	PIPE_2.5	.386	21.94	7	.340	97....		6	12478....	50715	3.596	3.596	3...H3-6
59	M97A	PIPE_2.5	.373	99.576	7	.332	146...		1	12478....	50715	3.596	3.596	3...H3-6
60	M113	L3X3X6	.021	12.277	9	.331	0	y	6	62228....	68364	2.307	5.322	1...H2-1
61	M114	L3X3X6	.024	12.533	7	.287	24....	y	4	62228....	68364	2.307	5.322	1...H2-1
62	M115	L3X3X6	.021	12.277	5	.335	0	y	8	62228....	68364	2.307	5.322	1...H2-1
63	M122	L3X3X3	.157	43.267	1	.007	0	z	4	24778....	35316	1.32	2.833	1...H2-1
64	M123	L3X3X3	.155	43.267	1	.007	0	y	4	24778....	35316	1.32	2.824	1...H2-1
65	M130	L3X3X3	.199	43.267	35	.011	0	z	36	24778....	35316	1.32	2.833	2...H2-1
66	M131	L3X3X3	.154	43.267	21	.009	0	y	36	24778....	35316	1.32	2.827	1...H2-1
67	M138	L3X3X3	.160	43.267	39	.009	0	z	38	24778....	35316	1.32	2.833	2...H2-1
68	M139	L3X3X3	.197	43.267	39	.010	.451	y	38	24778....	35316	1.32	2.833	2...H2-1

Connection Check Summary	
Site Name	SOMERS WEST CT
Site ID	675040
NB+C Project No.	100820

Connection Properties			
Plate Properties			
Thickness	t	0.625	in
Plate length	L	10	in
Plate Grade	F_y	36	ksi
Connected Part Dimensions	Width	4	in
	Height	4	in
Horizontal Bolt Separation	d_x	8	in
Vertical Bolt Separation	d_y	8	in
Bolt Properties			
Bolt Grade		A325	
Bolt Diameter	d_b	0.625	in
Number of Bolts	N_b	4	Bolts
Weld Properties			
Weld Shape		Square	
Standoff Arm Height	d	4	in
Standoff Arm Width	b	4	in
Fillet Weld Size	a	1/4	in

Member End Reactions			
Shear	F_Y	5205	lbs
	F_X	647	lbs
Tension	F_Z	6901	lbs
Bending	M_Y	1.802	k-ft
	M_X	0.942	k-ft
Torsion	M_Z	0.392	k-ft

Connection Capacities (% Usage)			
Plate Capacity	Shear	**7.9%**	**Pass**
	Bending	**28.8%**	**Pass**
Bolt Capacity	Shear	**12.2%**	**Pass**
	Tension	**18.3%**	**Pass**
Weld Capacity	% Usage	**22.9%**	**Pass**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Network Building + Consulting 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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Network Building + Consulting immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- 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.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Network Building + Consulting.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Network Building + Consulting certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Network Building + Consulting Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Network Building + Consulting certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & "During Installation" Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

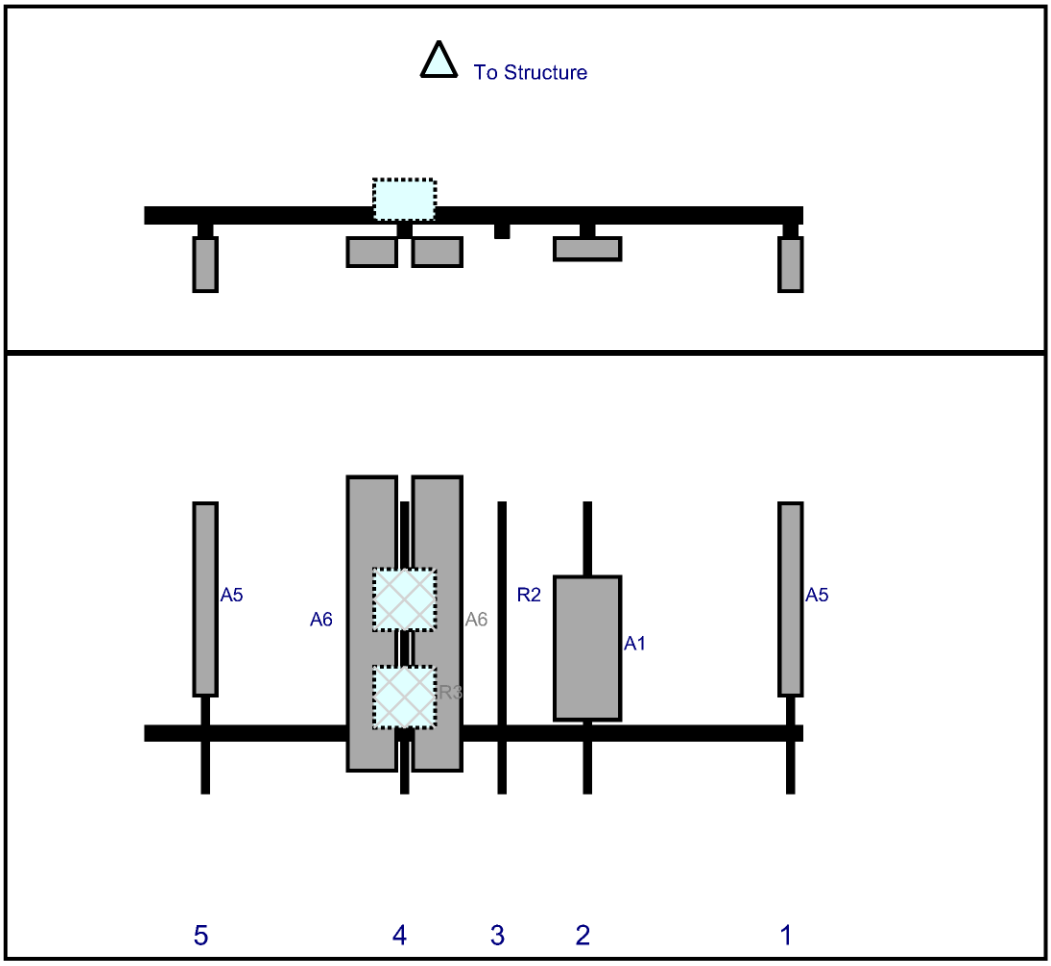
Sector: A 8/2/2021

Structure Type: Monopole 10037876

Mount Elev: 144.00 Page: 1

Plan View

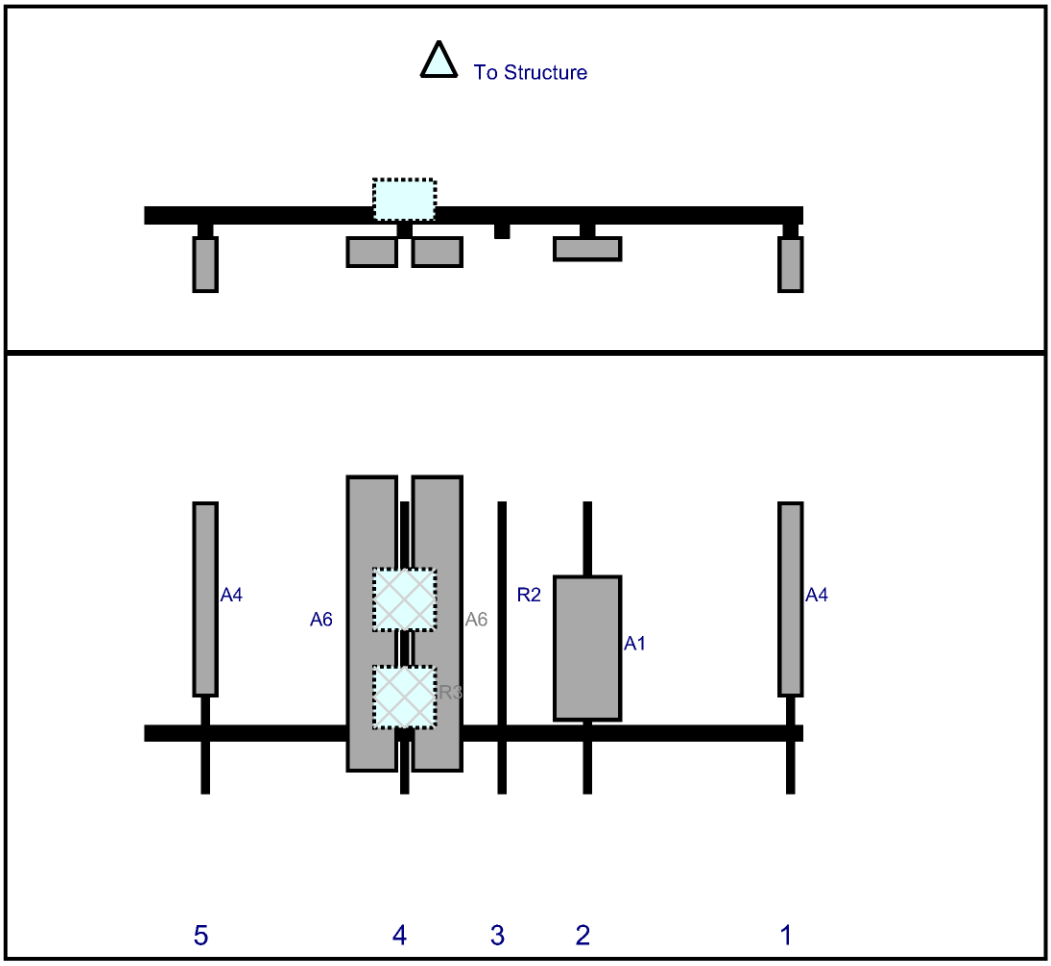
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080-4CF	47.2	5.5	159	1	a	Front	24	0	Retained	07/15/2021
A1	MT6407-77A	35.1	16.1	109	2	a	Front	36	0	Added	
A6	SBNHH-1D65B	72.6	11.9	64	4	a	Front	30	-8	Retained	07/15/2021
A6	SBNHH-1D65B	72.6	11.9	64	4	b	Front	30	8	Retained	07/15/2021
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	64	4	c	Behind	24	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	64	4	c	Behind	48	0	Added	
A5	LPA-80080-4CF	47.2	5.5	15	5	a	Front	24	0	Retained	07/15/2021

Plan View

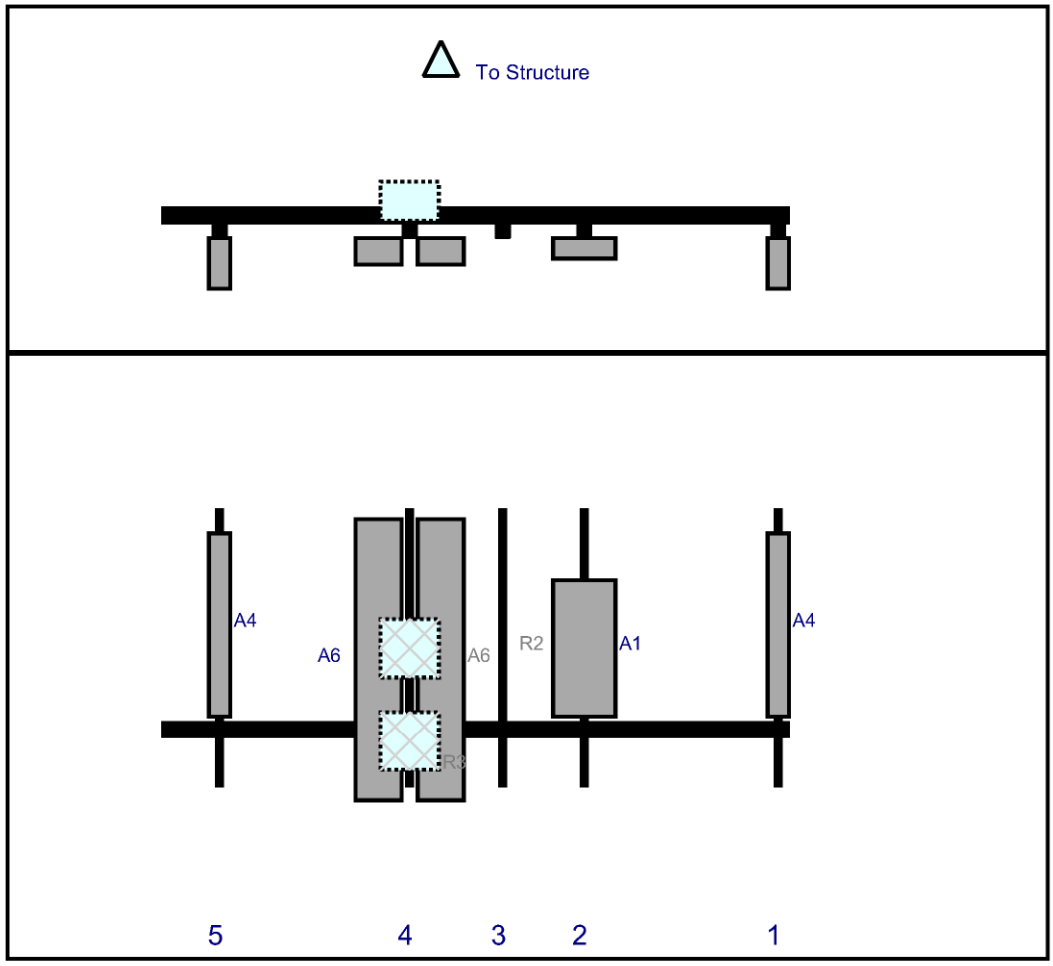
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80080-4CF-EDIN-5	47.2	5.5	159	1	a	Front	24	0	Retained	07/15/2021
A1	MT6407-77A	35.1	16.1	109	2	a	Front	36	0	Added	
A6	SBNHH-1D65B	72.6	11.9	64	4	a	Front	30	-8	Retained	07/15/2021
A6	SBNHH-1D65B	72.6	11.9	64	4	b	Front	30	8	Retained	07/15/2021
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	64	4	c	Behind	24	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	64	4	c	Behind	48	0	Added	
A4	LPA-80080-4CF-EDIN-5	47.2	5.5	15	5	a	Front	24	0	Retained	07/15/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80080-4CF-EDIN-5	47.2	5.5	159	1	a	Front	30	0	Retained	07/15/2021
A1	MT6407-77A	35.1	16.1	109	2	a	Front	36	0	Added	
A6	SBNHH-1D65B	72.6	11.9	64	4	a	Front	39	-8	Retained	07/15/2021
A6	SBNHH-1D65B	72.6	11.9	64	4	b	Front	39	8	Retained	07/15/2021
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	64	4	c	Behind	36	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	64	4	c	Behind	60	0	Added	
A4	LPA-80080-4CF-EDIN-5	47.2	5.5	15	5	a	Front	30	0	Retained	07/15/2021

MOUNT MODIFICATION DRAWINGS

PROPOSED CARRIER: VERIZON

TOWER OWNER: METRO TOWER

TOWER OWNER SITE #: ENF-03

CARRIER SITE NAME: SOMERS WEST

CARRIER SITE #: 468121

COORDINATES (LATITUDE: 42.015936°, LONGITUDE: -72.528739°)

FUZE ID #: 16232040

CONTRACTOR PMI REQUIREMENTS	
PMI ACCESSED AT:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT NUMBER:	10092924
VZW LOCATION CODE (PSLC):	468121
POST MOD ANALYSIS REPORT PROJECT NUMBER:	100819
REPORT DATED	08/13/21

*** PMI AND REQUIREMENTS EMBEDDED IN MOUNT ANALYSIS REPORT

VZW APPROVED SMART KIT VENDORS

REFER TO BILL OF MATERIALS PAGE FOR VZW SMART KIT APPROVED VENDORS

DRAWING INDEX

ENGINEER

NB+C TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.

APPLICANT

verizon

SITE INFORMATION

SITE NAME: SOMERS WEST
PSLC: 468121
NB+C JOB NO: 100819
SITE ADDRESS:
37 BACON RD
ENFIELD, CT 06082
HARTFORD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/13/21	MODIFICATION DRAWINGS	MWL

PROFESSIONAL STAMP

8/13/2021

DocuSigned by:
krupakaran kolandaivelu

STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
CERTIFICATE OF AUTHORIZATION #PEN.0026997 EXP 01/31/22

ENGINEER

KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
LICENSE #PEN.0026997

SHEET TITLE

TITLE SHEET

SHEET NUMBER

ST-1

BILL OF MATERIALS

QUANTITY COUNTED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTION	SHEET LIST	PIECE WEIGHT (LBS)	WEIGHT (LBS)	NOTES	MATERIAL GRADE
			MATERIAL & HARDWARE					
1	1	VZWSMART-PLK1	SUPPORT RAIL KIT	SS-1, VZWSMART-PLK1	504.0	504.0	GALVANIZED	-
1	1	VZWSMART-PLK5	KICKER KIT	SS-1, VZWSMART-PLK5	291.0	291.0	GALVANIZED	-
1	1	VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	SS-1, VZWSMART-PLK7	150.0	150.0	GALVANIZED	-
3	3	VZWSMART-MSK1	CROSSOVER PLATE	SS-1, VZWSMART-MSK1	14.0	42.0	GALVANIZED	-
1	1	VZWSMART-MSK10	WIRE ROPE ROUTING BRACKET	SS-1, VZWSMART-MSK10	7.0	7.0	GALVANIZED	-
			FOLLOWING ITEMS ARE "CUSTOM" PARTS					
3	3	-	2-1/2" SCH40 PIPE (2-7/8" O.D.) x 13'-6"	SS-1	78.30	234.90	GALVANIZED	A53-B-35
1	1	P/N: 115-203	TUF-TUG	SCF-1	-	-	GALVANIZED	-
					TOTAL WEIGHT (LBS) =	1,228.90		

VZW MOUNT MODIFICATION KITS - APPROVED VENDORS

PerfectVision		SitePro1		Metrosite Fabricators, LLC		CommScope		Sabre Industries Inc	
CONTACT:	Wireless Sales wirelesssales@perfect-vision.com	CONTACT:	Paula Boswell paula.boswell@valmont.com	CONTACT:	Kent Ramey kent@metrositellc.com	CONTACT:	Salvador Anguiano Salvador.Anguiano@commscope.com	CONTACT:	Angie Welch akwelch@sabreindustries.com
PHONE NUMBER:	844.887.6723	PHONE NUMBER:	972.236.9843	PHONE NUMBER:	(O) 706.335.7045 (M) 706.982.9788	PHONE NUMBER:	817.304.7492	PHONE NUMBER:	866.428.6937
WEBSITE:	www.perfect-vision.com	WEBSITE:	www.sitepro1.com	WEBSITE:	metrositefabricators.com	WEBSITE:	www.commscope.com	WEBSITE:	www.sabresitesolutions.com

THE MANUFACTURERS LISTED ARE THE ONLY APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATION.

ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 440
BLUE BELL, PA 19422
(267) 468-8122

APPLICANT

verizon

SITE INFORMATION

SITE NAME: SOMERS WEST
PSLC: 468121
NB+C JOB NO: 100819
SITE ADDRESS:
37 BACON RD
ENFIELD, CT 06082
HARTFORD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/13/21	MODIFICATION DRAWINGS	MWL

PROFESSIONAL STAMP

8/13/2021

DocuSigned by:
Krupakaran Kolandaivelu
81AC599182D8410...

STATE OF CONNECTICUT CERTIFICATE OF AUTHORIZATION #PEN.0026997 EXP 01/31/22

ENGINEER

KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
LICENSE #PEN.0026997

SHEET TITLE

BILL OF MATERIALS

SHEET NUMBER

SBOM

GENERAL NOTES

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE PROJECT AND ABIDE BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO NB+C ENGINEERING SERVICES, LLC. FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
3. INCORRECTLY FABRICATED, DAMAGED, OTHERWISE MISFITTING, OR NON-CONFORMING MATERIALS AND CONDITIONS SHALL BE REPORTED TO NB+C ENGINEERING SERVICES, LLC. PRIOR TO ANY REMEDIAL OR CORRECTIVE ACTION. ALL ACTIONS SHALL REQUIRE NB+C ENGINEERING SERVICES, LLC. APPROVAL.
4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AFTER THE COMPLETION OF THE PROJECT.
5. CONTRACTOR SHALL PROMPTLY REMOVE ANY & ALL DEBRIS FROM SITE AND RESTORE AS BEST AS POSSIBLE TO PRECONSTRUCTION CONDITION.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ASSP A10.48 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ASSP A 10.48 AND ANSI/TIA-322 (LATEST EDITIONS) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE USE OF GAS TORCH OR WELDER ARE NOT ALLOWED ON ANY TOWER STRUCTURE WITHOUT THE CONSENT OF THE TOWER OWNER.

CONTRACTOR QUALIFICATION NOTES:

1. ALL REPAIRS SHALL BE PERFORMED BY A TOWER CONTRACTOR WITH A MINIMUM 5 YEARS EXPERIENCE IN TOWER ERECTION AND RETROFIT AND WITH WORKING KNOWLEDGE OF THE ANSI/TIA-222-H "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES"
2. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. SHOULD THE CONTRACTOR REQUIRE DIRECT CONSULTATION, NB+C ENGINEERING SERVICES, LLC. IS WILLING TO OFFER SERVICES BASED UPON AN AGREED FEE FOR THE WORK REQUIRED.
3. ALL SUBMITTAL INFORMATION MUST BE SENT TO PMI INSPECTOR. ANY VARIATION OF THESE SPECIFICATIONS OR DRAWINGS WITHOUT CONSENT FROM NB+C ENGINEERING SERVICES, LLC. WILL VOID ANY RESPONSIBILITY OR LIABILITY FOR DAMAGE (MATERIAL OR PHYSICAL) TOWARDS NB+C ENGINEERING SERVICES, LLC.
4. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE ASSP A10.48 AND ANSI/TIA-322 STANDARDS.

JOB SITE SAFETY & NOTES:

1. NEITHER THE PROFESSIONAL ACTIVITIES OF NB+C ENGINEERING SERVICES, LLC. NOR THE PRESENCE OF NB+C ENGINEERING SERVICES, LLC. OR EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE THE GENERAL CONTRACTOR AND OR SUBCONTRACTORS AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE GENERAL CONTRACTOR AND OR SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY, AND WARRANTS THAT THIS INTENT IS EVIDENT BY ACCEPTING THIS WORK.

COLD GALVANIZATION/SURFACE PREPARATION NOTES:

1. CONTRACTOR TO USE ZINGA COLD GALVANIZATION COMPOUNDS.
2. PREPARE RUSTED/CORRODED SURFACE FOR TREATMENT ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
3. CONTRACTOR TO APPLY (2) COATS OF COLD GALVANIZATION COMPOUND PER MANUFACTURER'S RECOMMENDATION. DRYING AND CURING TIMES MUST BE UTILIZED PER MANUFACTURER'S RECOMMENDATION.
4. APPLY ALL COATINGS BY BRUSH IN CALM WIND CONDITIONS. THE USE OF AEROSOL IS NOT PERMITTED.
5. IF THE TOWER IS PAINTED, BRUSH PAINT ALL TREATED AREAS TO MATCH TOWER AFTER COLD GALVANIZATION COMPOUND IS ALLOWED TO CURE.

STEEL :

1. ALL PROPOSED MEMBERS TO USE THE PREFERRED MATERIAL SPECIFICATION AS DEFINED BY THE AISC CODE AND ASTM SPECIFICATIONS.
2. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED WELDS WITH WELDING ELECTRODES E-70XX OR SPECIFIED HIGH STRENGTH BOLTS TO BE ASTM A325N, THREAD INCLUDED WITH SHEAR PLANE (UNLESS OTHERWISE NOTED).
3. ALL BOLTED CONNECTIONS TO BE INSTALLED TO A SNUG-TIGHTENED CONDITION IN ACCORDANCE WITH AISC 15 PART 16.2, "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, SECTION 8.1, UNLESS OTHERWISE SPECIFIED. WHEN "X" TYPE BOLTS ARE USED, CONTRACTOR MAY BE REQUIRED TO STACK ADDITIONAL WASHERS TO OBTAIN PROPER SNUG TIGHT INSTALLATION. ALL NUTS SHALL BE HEAVY HEX UNLESS OTHERWISE NOTED.
4. ALL STEEL, AFTER FABRICATION, SHALL BE HOT DIPPED GALVANIZED PER ASTM A-123. ALL DAMAGED SURFACES, WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS OR PARTS (EXISTING OR NEW) SHALL BE PAINTED WITH MULTIPLE COATS OF ZRC COLD GALVANIZING COMPOUND ACHEIVING A MINIMUM OF 4 MILS DRY FILM PER ASTM A 780.
5. ALL SHOP AND FIELD WELDING SHALL BE DONE BY WELDERS QUALIFIED AS DESCRIBED IN THE "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. CONTRACTOR IS REQUIRED TO PROVIDE NB+C ENGINEERING SERVICES, LLC. WITH A PASSING CERTIFIED WELDING INSPECTION FOR ALL WELDS.
6. STRUCTURAL STEEL MAY NOT BE TORCH CUT FOR FABRICATION. ALL STEEL FABRICATION MUST FOLLOW AISC STANDARDS.
7. ALL STEEL SHALL MEET OR EXCEED THE MINIMUM STRENGTH AS SPECIFIED IN THE DRAWINGS. IF YIELD STRENGTH WAS NOT NOTED IN THE DRAWINGS, CONTRACTORS SHALL CONTACT NB+C FOR DIRECTION.

MISC. NOTES:

1. ALL MODIFICATIONS ARE ASSUMED TO BE MADE ON AN EMPTY TOWER. CONTRACTOR IS RESPONSIBLE TO MAKE PROVISIONS TO SUPPORT OR WORK AROUND EXISTING ANTENNAS AND TRANSMISSION LINES. MODIFICATIONS MUST BE CONTINUOUS THROUGH ALL AREAS SHOWN.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

FABRICATION NOTES:

1. ALL DIMENSIONS ARE PRELIMINARY UNTIL FIELD VERIFIED BY CONTRACTOR. ANY CHANGES MUST BE APPROVED BY ENGINEER OF RECORD IN WRITING PRIOR TO FABRICATION AND INSTALLATION.
2. NEW STEEL MEMBERS MUST HAVE SINGLE DRILLED HOLES. SLOTTED AND DOUBLE DRILLED HOLES ARE NOT ACCEPTABLE MEANS OF FABRICATION UNLESS OTHERWISE NOTED.

SUBSTITUTES AND/OR EQUALS:

1. IF CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR EQUIPMENT, CONTRACTOR SHALL FIRST MAKE WRITTEN APPLICATION TO ENGINEER OF RECORD FOR ACCEPTANCE THEREOF, CERTIFYING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTIONS AND ACHIEVE THE RESULTS CALLED FOR BY THE GENERAL DESIGN, BE SIMILAR IN SUBSTANCE TO THAT SPECIFIED AND SUITED TO THE SAME USE AS THAT SPECIFIED. ALL VARIATIONS OF THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED WILL BE IDENTIFIED IN THE APPLICATION AND AVAILABLE MAINTENANCE, REPAIR AND REPLACEMENT SERVICE WILL BE INDICATED. THE APPLICATION WILL ALSO CONTAIN AN ITEMIZED ESTIMATE OF ALL COSTS OR CREDITS THAT WILL RESULT DIRECTLY OR INDIRECTLY FROM ACCEPTANCE OF SUCH SUBSTITUTE INCLUDING COSTS OF REDESIGN AND CLAIMS OF OTHER CONTRACTORS AFFECTED BY THE RESULTING CHANGE, ALL OF WHICH WILL BE CONSIDERED BY ENGINEER OF RECORD IN EVALUATION OF THE PROPOSED SUBSTITUTE. ENGINEER OF RECORD MAY REQUIRE CONTRACTOR TO FURNISH ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.

FIELD HOT WORK PLAN NOTES:

1. ALL CONTRACTORS RESPONSIBILITY TO COMPLETE A HOT WORK PLAN IF AWARDED PER CUSTOMER SPECIFICATIONS GUIDELINES FOR WELDING, CUTTING & SPARK PRODUCING WORK.
2. HAVE A FIRE PLAN APPROVED BY THE CUSTOMER AND THEIR SAFETY MANAGEMENT DEPARTMENT.
3. CONTRACTOR MUST OBTAIN THE CONTACT INFO OF THE LOCAL FIRE DEPARTMENT AND THE 911 ADDRESS OF THE TOWER SITE BEFORE CONSTRUCTION.
4. CONTRACTOR SHALL MAKE SURE THAT CELL PHONE COVERAGE IS AVAILABLE IN THE TOWER SITE. IF CELL COVERAGE IS NOT AVAILABLE, AN IMMEDIATE AVAILABLE MEANS OF DIRECT COMMUNICATION WITH THE FIRE DEPARTMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION START.
5. ALL CONSTRUCTION SHALL BE PERFORMED UNDER WIND SPEED LESS THAN 10 MPH ON THE GROUND LEVEL. IF WIND SPEED INCREASES, CONTRACTOR MUST DETERMINE IF CONSTRUCTION SHALL BE DISCONTINUED.
6. FIRE SUPPRESSION EQUIPMENT MUST BE MADE AVAILABLE ON SITE AND READY TO USE.
7. CONTRACTOR SHALL ASSIGN A FIRE WATCHER TO PERFORM FIRE-FIGHTING DUTIES.
8. ALL WELDERS SHALL BE AWS OR STATE CERTIFIED. THEY MUST ALSO BE EXPERIENCED IN WELDING ON GALVANIZED MATERIALS.
9. IF IT IS POSSIBLE, ALL EXISTING COAX NEAR WELDING AREA SHALL BE TEMPORARILY MOVED AWAY FROM THE WELDING AREA BEFORE WELDING.
10. PLEASE REPORT ANY FIELD ISSUE TO NB+C @ 267-460-0122

BOLT HOLE DIMENSIONS

BOLT DIAMETER	STANDARD HOLE DIAMETER	OVERSIZED HOLE DIAMETER	SHORT SLOTTED (WIDTH X LENGTH)	DETAIL	LONG SLOTTED (WIDTH X LENGTH)	DETAIL
1/2"	9/16"	5/8"	9/16" x 11/16"	o	9/16" x 1-1/4"	o o
5/8"	11/16"	13/16"	11/16" x 7/8"	o	11/16" x 1-9/16"	o o
3/4"	13/16"	15/16"	13/16" x 1"	o	13/16" x 1-7/8"	o o
7/8"	15/16"	1-1/16"	15/16" x 1-1/8"	o	15/16" x 2-3/16"	o o
1"	1-1/16"	1-1/4"	1-1/16" x 1-5/16"	o	1-1/16" x 2-1/2"	o o

MINIMUM EDGE DISTANCES

BOLT DIAMETER	MINIMUM EDGE DISTANCE
1/2"	7/8"
5/8"	1-1/8"
3/4"	1-1/4"
7/8"	1-1/2" [a]
1"	1-3/4" [a]
1-1/8"	2"
1-1/4"	2-1/4"
OVER 1-1/4"	1-3/4" x d

NUT ROTATION FROM SNUG-TIGHT CONDITION[a,b]

BOLT LENGTH[c]	DISPOSITION OF OUTER FACE OF BOLTED PARTS: BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS, OTHER SLOPED NOT MORE THAN 1:20[d]	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO BOLT AXIS[d]
NOT MORE THAN $4d_b$	1/3 TURN	1/2 TURN	2/3 TURN
MORE THAN $4d_b$ BUT NOT MORE THAN $8d_b$	1/2 TURN	2/3 TURN	5/6 TURN
MORE THAN $8d_b$ BUT NOT MORE THAN $12d_b$	2/3 TURN	5/6 TURN	1 TURN

NOTES:

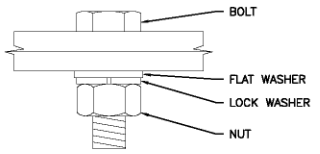
a. NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR REQUIRED NUT ROTATIONS OF 1/2 TURN AND LESS, THE TOLERANCE IS PLUS OR MINUS 30 DEGREES. FOR REQUIRED NUT ROTATIONS OF 2/3 TURN AND MORE, THE TOLERANCE IS PLUS OR MINUS 45 DEGREES.

b. APPLICABLE ONLY TO JOINTS IN WHICH ALL MATERIAL WITHIN THE GRIP IS STEEL.

c. WHEN THE BOLT LENGTH EXCEEDS $12D_b$, THE REQUIRED NUT ROTATION SHALL BE DETERMINED BY ACTUAL TESTING IN A SUITABLE TENSION CALIBRATION THAT SIMULATE THE CONDITIONS OF SOLIDLY FITTING STEEL.

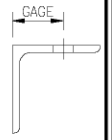
d. BEVELED WASHER NOT USED.

TYPICAL BOLT ASSEMBLY

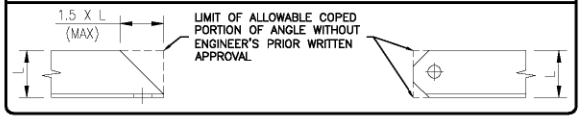


WORKABLE GAGES

ANGLE SIZE	GAGE
1 3/4"	1"
2"	1 1/8"
2 1/2"	1 3/8"
3"	1 3/4"
3 1/2"	2"
4"	2 1/2"



WORKABLE COPING



NOTES:

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

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

verizon

SITE INFORMATION

SITE NAME: SOMERS WEST
PSLC: 468121
NB+C JOB NO: 100819
SITE ADDRESS:
37 BACON RD
ENFIELD, CT 06082
HARTFORD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/13/21	MODIFICATION DRAWINGS	MWL

PROFESSIONAL STAMP

8/13/2021

STATE OF CONNECTICUT
KRUPAKARAN KOLANDAIVELU
PEN.0026997
LICENSED PROFESSIONAL ENGINEER

DocuSigned by:
krupakaran kolandaivelu

STATE OF CONNECTICUT CERTIFICATE OF AUTHORIZATION #PEN.0026997 EXP 01/31/22

ENGINEER

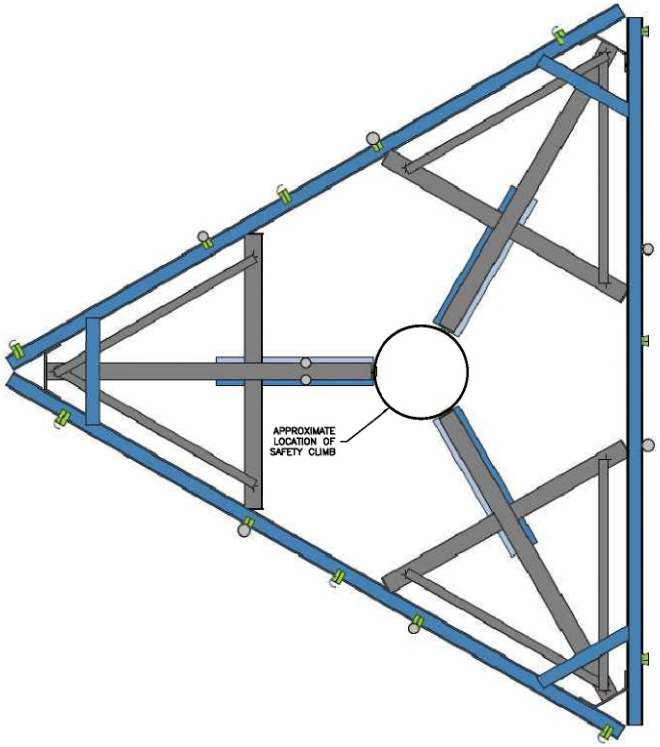
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
LICENSE #PEN.0026997

SHEET TITLE

GENERAL NOTES

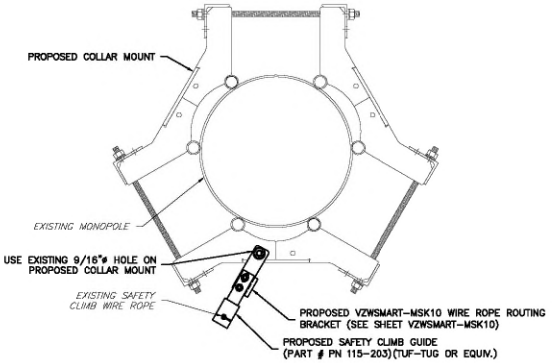
SHEET NUMBER

SGN-1



1 SCF-1 SAFETY CLIMB LOCATION - TOP VIEW
SCALE: NTS

PHOTO OF SAFETY CLIMB



2 SCF-1 SAFETY CLIMB DETAIL
SCALE: NTS

NOTE:
INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE

ENGINEER

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ENGINEER

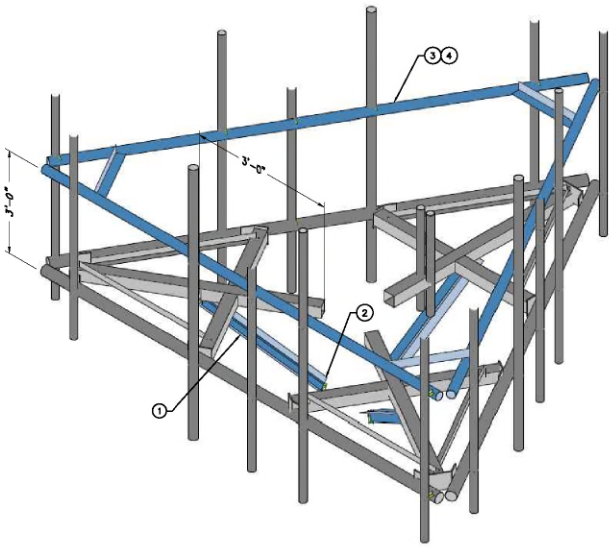
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
LICENSE #PEN.0026997

SHEET TITLE

CLIMBING FACILITY DETAILS

SHEET NUMBER

SCF-1

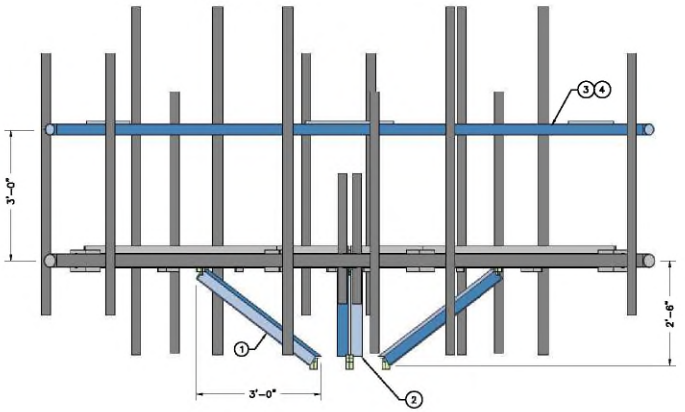


1 SS-1 MODIFICATION - ISOMETRIC VIEW
SCALE: NTS
MOUNT ELEVATION: 144'-0"±

SL NO.	MOUNT MODIFICATION SCHEDULE	REFERENCE SHEET NO.
1	INSTALL NEW VZWSMART KICKER KIT	VZWSMART-PLK5
2	INSTALL NEW VZWSMART COLLAR MOUNT	VZWSMART-PLK7
3	INSTALL NEW VZWSMART SUPPORT RAIL PIPES AND KIT	VZWSMART-PLK1
4	INSTALL NEW VZWSMART CROSSOVER PLATES	VZWSMART-MSK1

NOTES

1. APPURTENANCES MAY INTERFERE WITH PROPOSED MODIFICATIONS
2. ALL MODIFICATIONS TO BE INSTALLED CONTINUOUSLY THROUGH EXISTING EQUIPMENT. ALL EXISTING EQUIPMENT NOT TO BE DAMAGED OR TAKEN OFF AIR DURING INSTALLATION. CONTRACTOR TO COORDINATE WITH CARRIER PRIOR TO MODIFICATION INSTALLATION TO DETERMINE IF EXISTING ANTENNAS NEED TO BE TURNED DOWN.
3. ANTENNA & COAX GRAPHICS NOT SHOWN FOR CLARITY. SEE MOUNT ANALYSIS REPORT FOR EXISTING ANTENNA LOADING & COAX CONFIGURATION.
4. CONTRACTOR TO FIELD VERIFY ALL LENGTHS AND QUANTITIES PRIOR TO MATERIAL ORDERS, FABRICATION, AND INSTALLATION.
5. IF EXISTING TOWER IS PAINTED CONTRACTOR TO VERIFY WITH TOWER OWNER IF NEW MODIFICATION MEMBERS ARE TO BE PAINTED TO MATCH EXISTING TOWER FINISHES.
6. **IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THERE ARE NO INTERFERENCES WITH SAFETY CLIMB BRACKETS, TRANSMISSION LINES, ETC. PRIOR TO MOBILIZATION AND INSTALLATION OF THESE MODIFICATIONS. PLEASE NOTIFY NB+C ES IMMEDIATELY IF ANY INSTALLATION ISSUES OCCUR RELATED TO THIS DRAWING.**
7. MEMBERS SHADED IN BLUE COLOR ARE NEW REINFORCEMENTS AND MEMBERS IN A AQUA COLOR (IF SHOW) ARE RELOCATED MEMBERS.
8. FIELD CUTTING AND FIELD DRILLING MAY BE NECESSARY TO ACHIEVE THE REQUIRED DIMENSIONS
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP, REMOVAL, AND DISPOSAL OF EXCESS MATERIALS USED AND REMOVED FROM THE STRUCTURE AT THE COMPLETION OF THE PROJECT.



2 SS-1 MODIFICATION - FRONT VIEW
SCALE: NTS
MOUNT ELEVATION: 144'-0"±

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LICENSE #PEN.0026997

SHEET TITLE
ANTENNA MOUNT MODIFICATION DETAILS

SHEET NUMBER
SS-1

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

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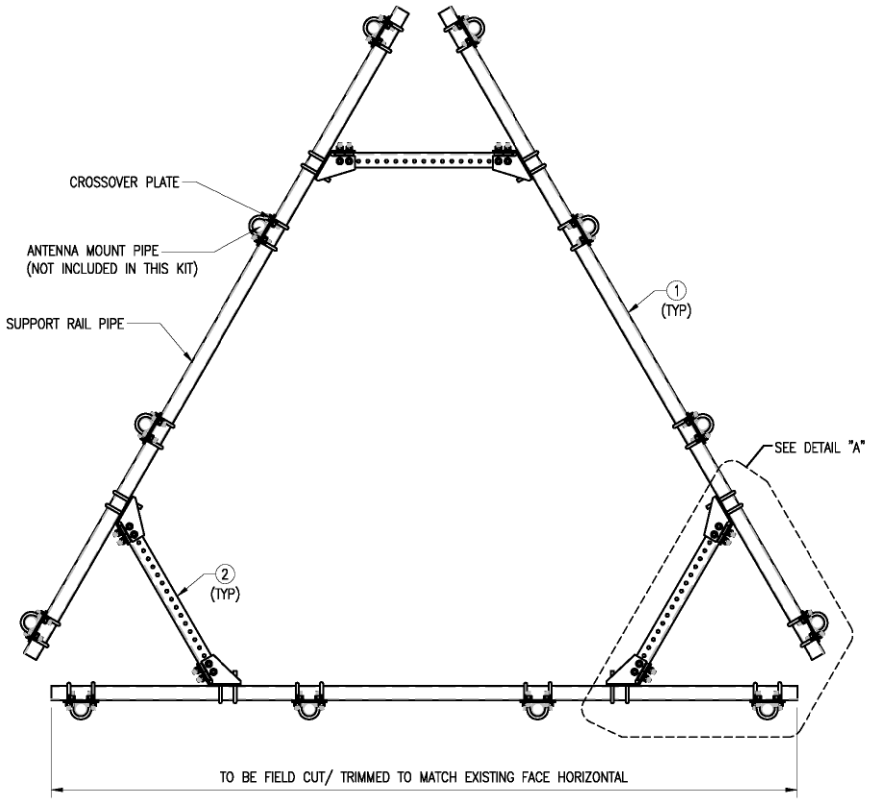
SHEET TITLE

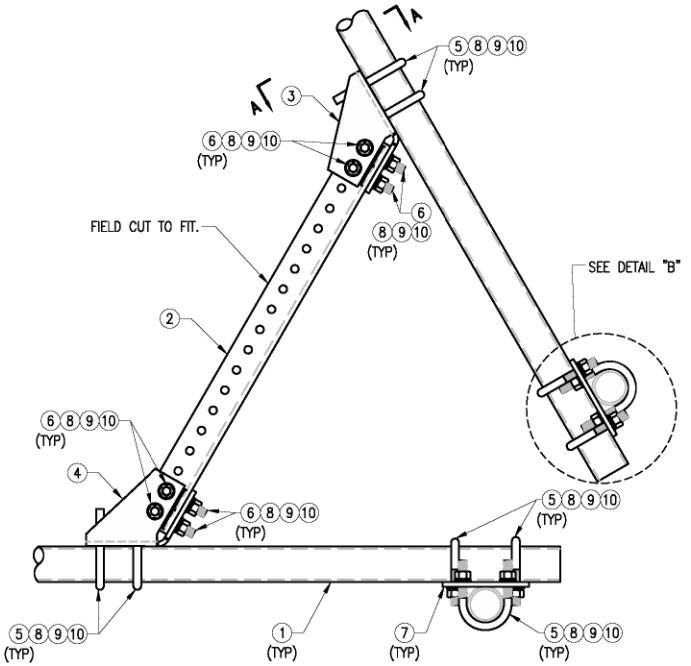
ANTENNA MOUNT PHOTOS

SHEET NUMBER

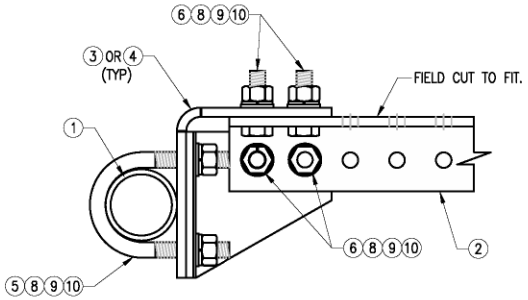
SS-2



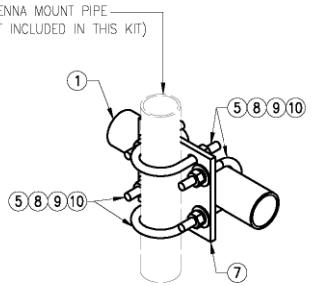
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R | CHECKED BY: HMA

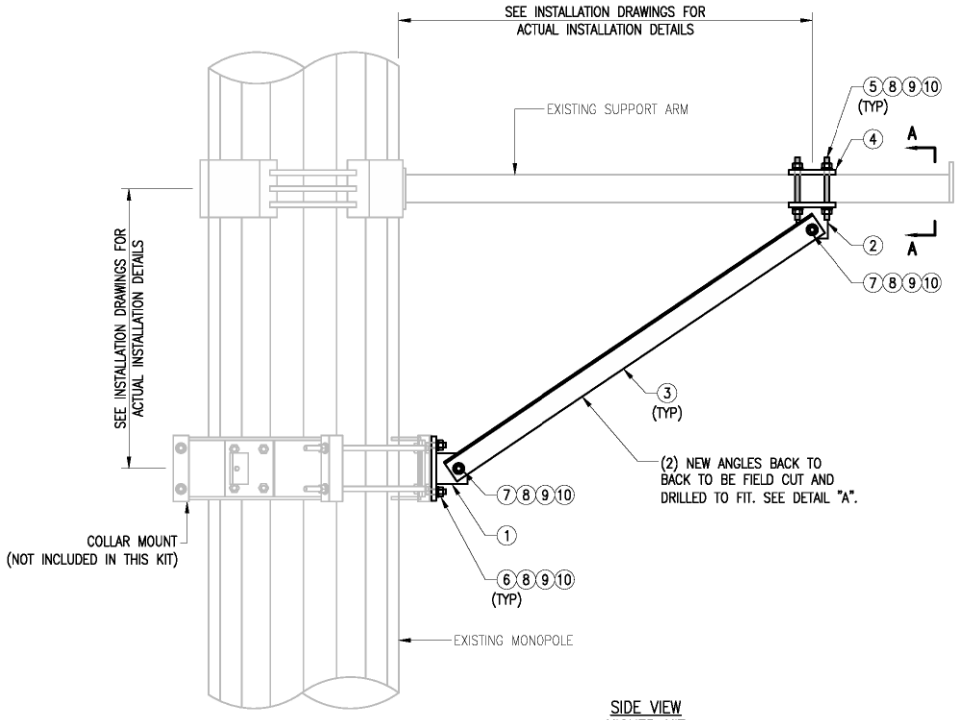
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	04/20/21

SHEET TITLE:
VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1

REV #: 0

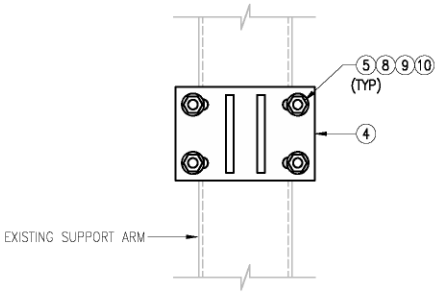
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



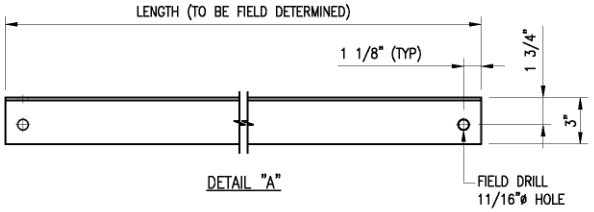
SIDE VIEW
KICKER KIT

SECTION "A-A"
RECT. HSS MOUNTING

SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

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

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

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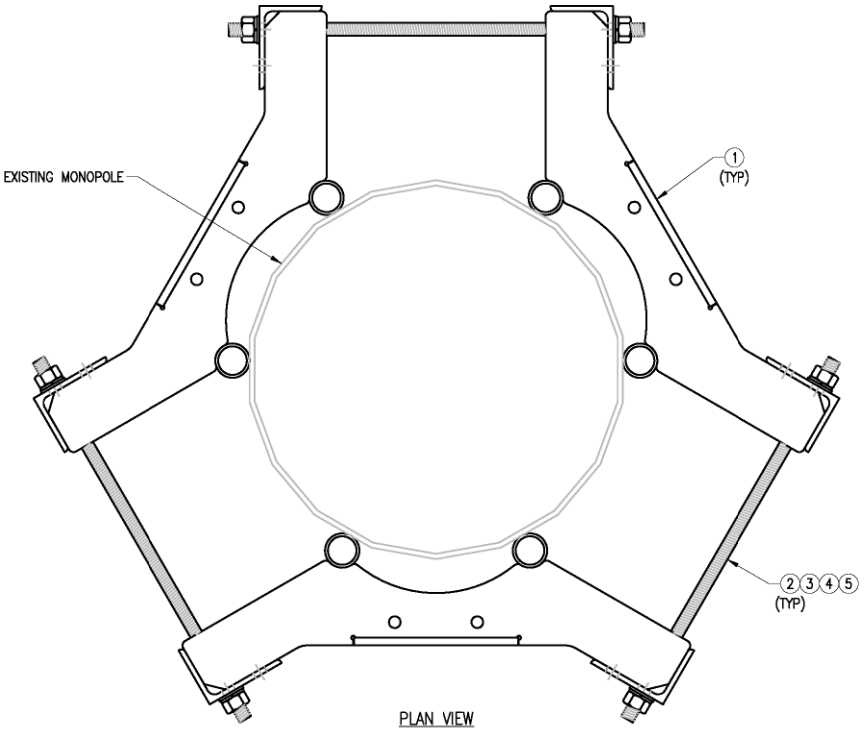
DRAWN BY: BT | CHECKED BY: HMA/KW

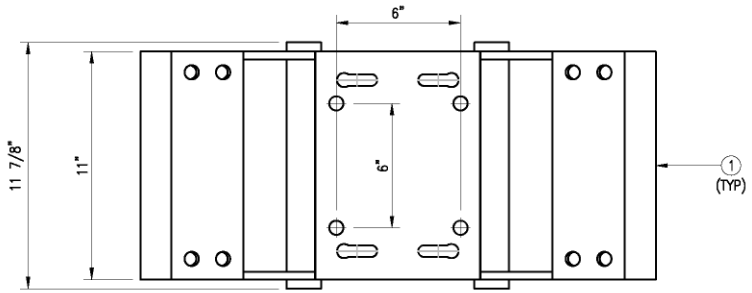
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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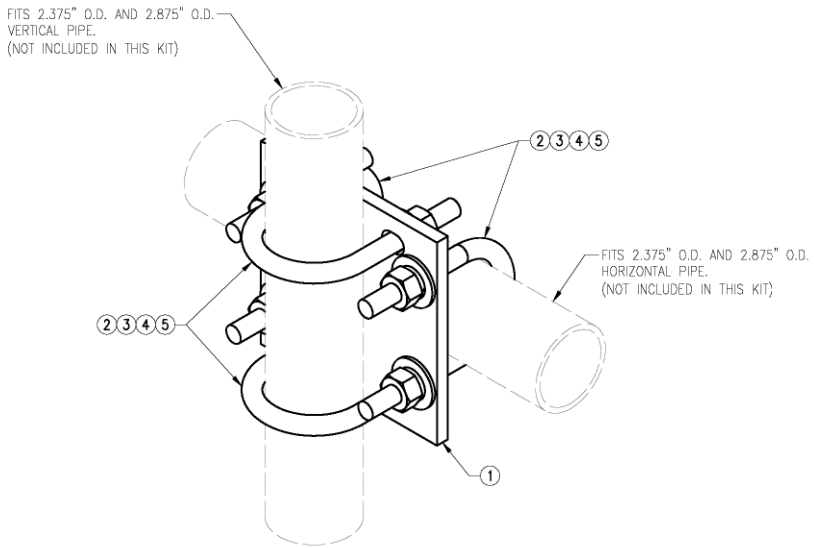
DRAWN BY: BT | CHECKED BY: HMA/KW

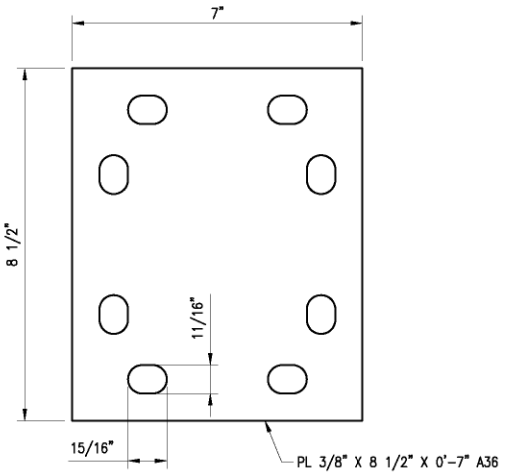
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-857

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

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

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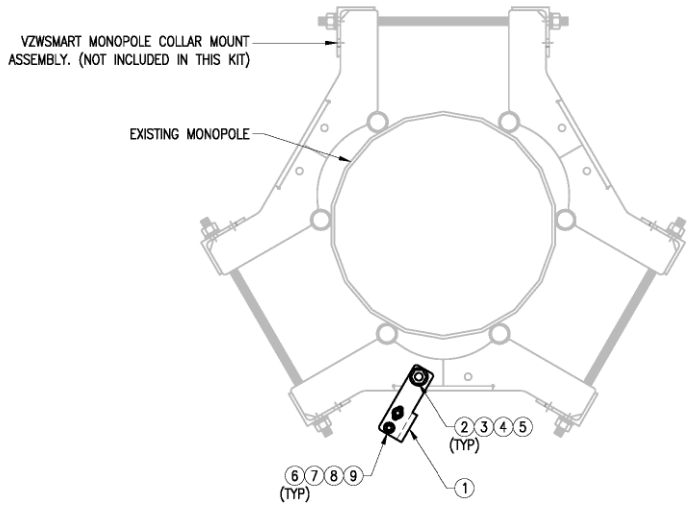
DRAWN BY: H.R | CHECKED BY: HMA

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

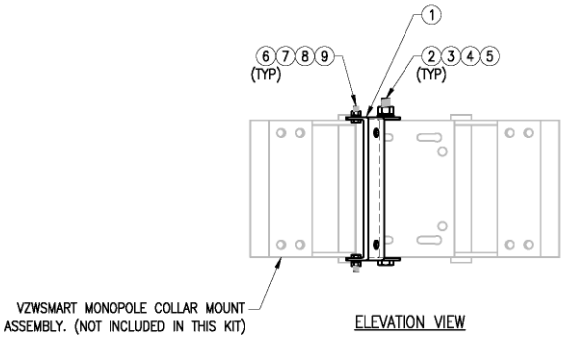
SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0



PLAN VIEW



ELEVATION VIEW

VZWSMART–MSK10 (WIRE ROPE ROUTING BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL–CM	PL 3/16" X 6 1/2" X 2'–0 1/2" A36	MSK10–F1	2.7
2	2	---	BOLT 1/2" X 1 3/4" A325	---	0.4
3	2	FW–500	1/2" HDG USS FLAT WASHER	---	2
4	2	LW–500	1/2" HDG LOCK WASHER	---	0
5	2	NUT–500	1/2" HDG HEX NUT	---	2
6	4	---	BOLT 3/8" X 1 1/2" FULL THREAD SAE GR 5	---	0
7	4	FW–375	3/8" HDG USS FLAT WASHER	---	0
8	4	LW–375	3/8" HDG LOCK WASHER	---	0
9	4	NUT–375	3/8" HDG HEX NUT	---	0
				GALVANIZED WT	7

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: SK | CHECKED BY: KW

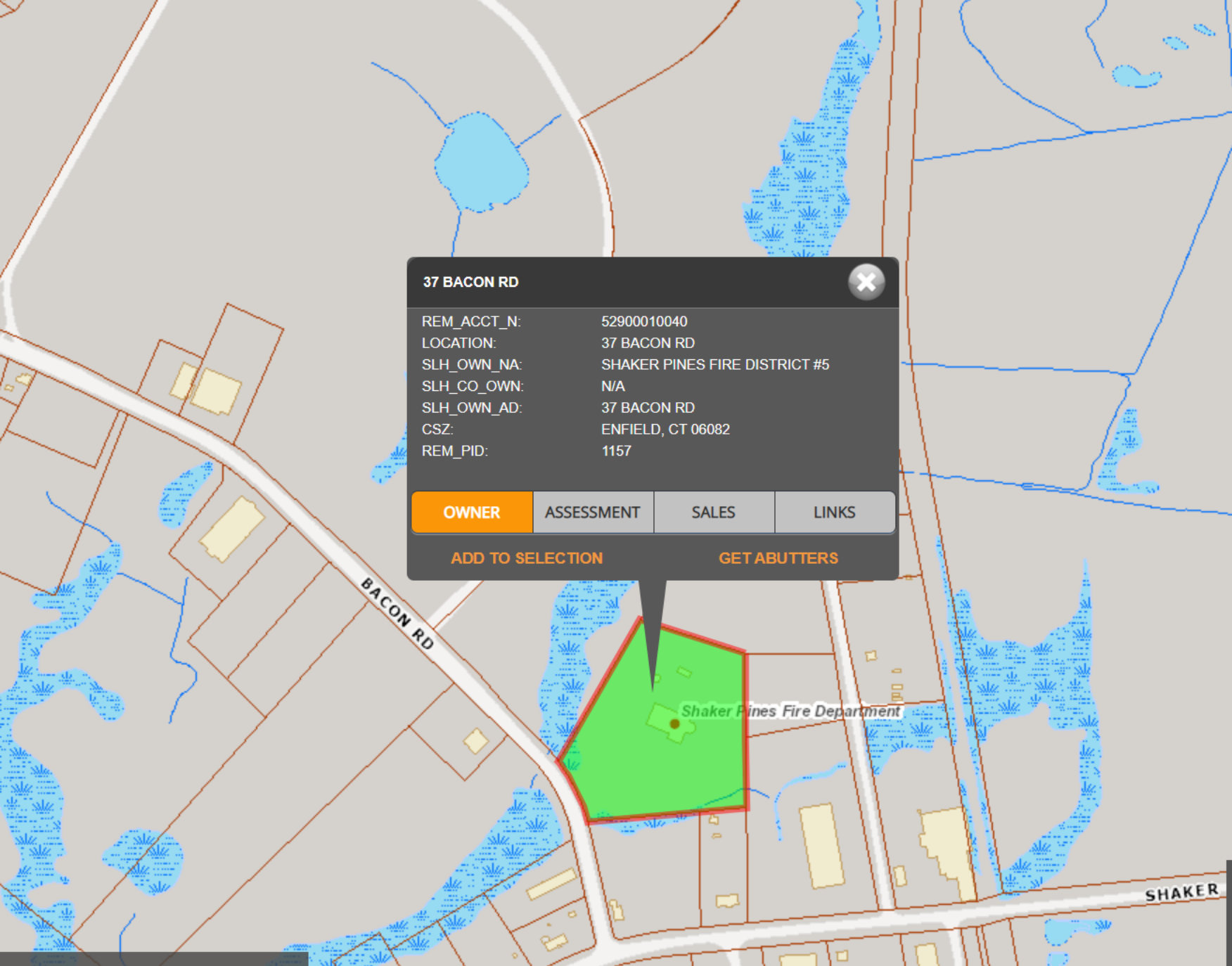
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	SK	04/13/21

SHEET TITLE:
VZWSMART–MSK10
WIRE ROPE ROUTING
BRACKET

SHEET NUMBER: VZWSMART–MSK10

REV #: 0

ATTACHMENT 5


37 BACON RD
REM_ACCT_N: 52900010040
LOCATION: 37 BACON RD
SLH_OWN_NA: SHAKER PINES FIRE DISTRICT #5
SLH_CO_OWN: N/A
SLH_OWN_AD: 37 BACON RD
CSZ: ENFIELD, CT 06082
REM_PID: 1157
OWNER
ASSESSMENT
SALES
LINKS
ADD TO SELECTION
GET ABUTTERS
BACON RD
Shaker Pines Fire Department
SHAKER

37 BACON RD

Sales | Print | Map It

Location	37 BACON RD	**Mblu**	094/ / 0062/ /
Acct#	052900010040	**Owner**	SHAKER PINES FIRE DISTRICT #5
Assessment	$420,300	**Appraisal**	$600,400
PID	1157	**Building Count**	1
Fire District	5		

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$384,400	$216,000	$600,400
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$269,100	$151,200	$420,300

Owner of Record

Owner	SHAKER PINES FIRE DISTRICT #5	**Sale Price**	$0
Co-Owner		**Certificate**	1
Address	37 BACON RD ENFIELD, CT 06082	**Book & Page**	0617/0455
		Sale Date	
		Instrument	

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

SOMERS WEST

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 06/24/2022 US POSTAGE $002.99 ZIP 06103 041L12209937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Ellen Zoppo-Sassu, Town Manager Town of Enfield 820 Enfield Street Enfield, CT 06082				
2.	Ben Winter, Assistant Town Planner Town of Enfield 820 Enfield Street Enfield, CT 06082				
3.	Shaker Pines Fire District #5 37 Bacon Street Enfield, CT 06082				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
JUN 24 2022
USPS

PS Form **3665**, January 2017 (Page 1 of 1) PSN 7530-17-000-5549

See Reverse for Instructions