Robinson+Cole

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

Also admitted in Massachusetts and New York

August 13, 2020

Via Electronic Mail

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**
150 Willow Street, Hamden, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains twelve (12) antennas at the 147-foot level of the existing 160-foot tower at 150 Willow Street in Hamden, Connecticut (the "Property"). The tower is owned by Sprint Sites USA ("Sprint"). The underlying property is owned by the Hamden Fish & Game Protective Association. The existing tower was approved by the Siting Council ("Council") for Sprint in 2007 (Docket No 324). A copy of the Council's Decision and Order for Docket No. 324 is included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) of its existing remote radio heads ("RRHs") with six (6) newer model RRHs. A set of project plans showing the proposed facility modifications and the specifications for Cellco's new RRHs are included in Attachment 2.

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 Hamden's Mayor, Curt Leng; Daniel Kops, Hamden's Town Planner; Sprint, the tower owner; and Hamden Fish & Game Protective Association, the Property owner.

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. Cellco's new RRHs will be installed at the 147-foot level on the 160-foot tower.

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 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 Power Density table for the modified facility is included in Attachment 3.

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

6. The tower, its foundation and antenna mounts can support Cellco's proposed facility modifications. (*See* Structural Analysis Report included in Attachment 4 and Mount Structural Analysis Report included in Attachment 5).

A copy of the parcel map and Property owner information is included in Attachment 6. A Certificate of Mailing verifying that a copy of this filing was sent to municipal officials is included in Attachment 7.

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:
Curt B. Leng, Hamden Mayor
Daniel Kops, Hamden Town Planner
Sprint Sites USA
Hamden Fish & Game Protective Association
Tim Parks

ATTACHMENT 1

8056 3/3234

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@ct.gov
Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 10, 2007

Thomas J. Regan, Esq.
Brown Rudnick Berlack Israels LLP
CityPlace I, 185 Asylum Street
Hartford, CT 06103

RE: **DOCKET NO. 324** – Sprint Nextel Corporation application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut.

Dear Attorney Regan:

By its Decision and Order dated May 1, 2007, the Connecticut Siting Council (Council) granted a Certificate of Environmental Compatibility and Public Need (Certificate) for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut.

Enclosed are the Council's Certificate, Findings of Fact, Opinion, and Decision and Order.

Very truly yours,

S. Derek Phelps FOC

S. Derek Phelps
Executive Director

SDP/MP/laf

Enclosures (4)

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@ct.gov
Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 10, 2007

TO: Parties and Intervenors

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 324** – Sprint Nextel Corporation application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut.

By its Decision and Order dated May 1, 2007, the Connecticut Siting Council granted a Certificate of Environmental Compatibility and Public Need (Certificate) for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut.

Enclosed are the Council's Findings of Fact, Opinion, and Decision and Order.

SDP/MP/laf

Enclosures (3)

c: State Documents Librarian

STATE OF CONNECTICUT)

ss. New Britain, Connecticut :

COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the Findings of Fact, Opinion, and Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

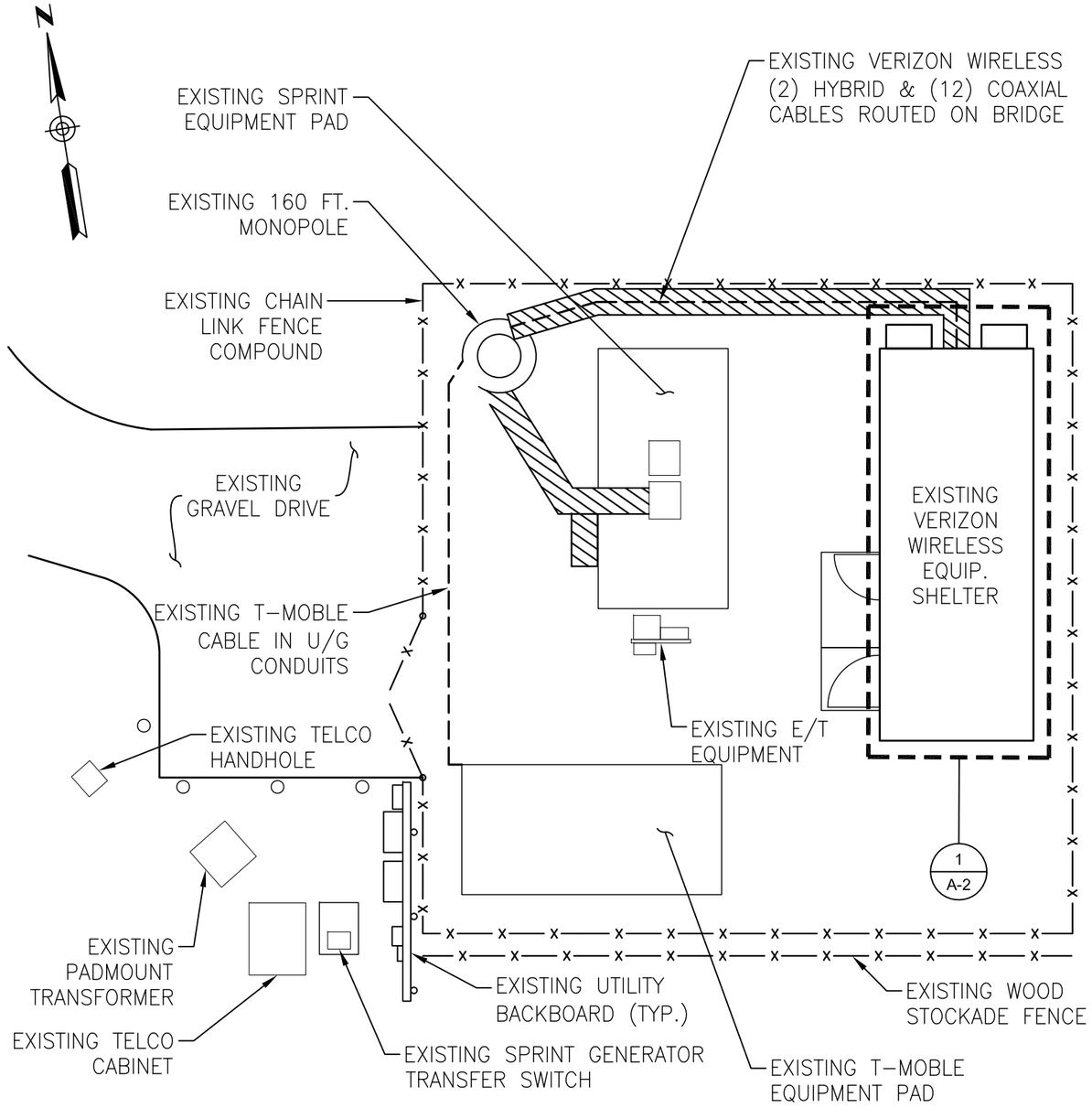
Fred O. Cunliffe
Supervising Siting Analyst
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket No. 324 has been forwarded by Certified First Class Return Receipt Requested mail on May 10, 2007, to all parties and intervenors of record as listed on the attached service list, dated November 3, 2006.

ATTEST:

Lisa A. Fontaine
Administrative Assistant
Connecticut Siting Council

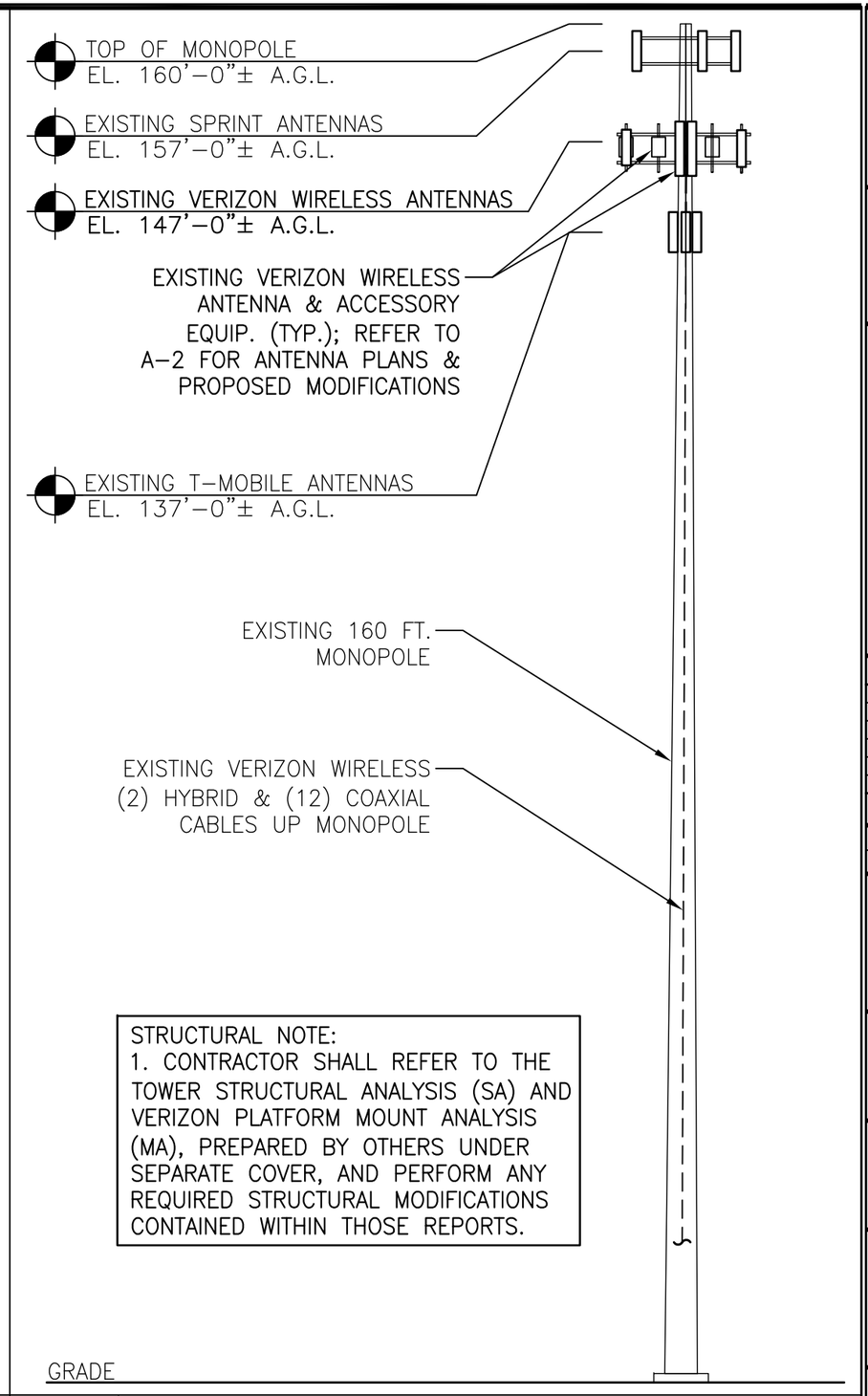
ATTACHMENT 2



NOTES:
1. COMPOUND PLAN IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 3-27-20 FOR A PROPOSED VERIZON EQUIPMENT MODIFICATION. A COMPOUND SURVEY WAS NOT PERFORMED.
2. ELEVATION TAKEN FROM EXISTING STRUCTURAL ANALYSIS; GROUND EQUIPMENT NOT SHOWN FOR CLARITY.
3. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.

1 COMPOUND PLAN

Scale: 1/16" = 1'-0"



STRUCTURAL NOTE:
1. CONTRACTOR SHALL REFER TO THE TOWER STRUCTURAL ANALYSIS (SA) AND VERIZON PLATFORM MOUNT ANALYSIS (MA), PREPARED BY OTHERS UNDER SEPARATE COVER, AND PERFORM ANY REQUIRED STRUCTURAL MODIFICATIONS CONTAINED WITHIN THOSE REPORTS.

2 ELEVATION

Scale: NTS

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 PROFESSIONAL ENGINEER

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

SUBMITTALS

NO	DATE	DESCRIPTION
0	05.15.20	REVIEW
1	06.02.20	REVISED PER RF ENGINEER

DRAWN BY: MF
CHECKED BY: DW

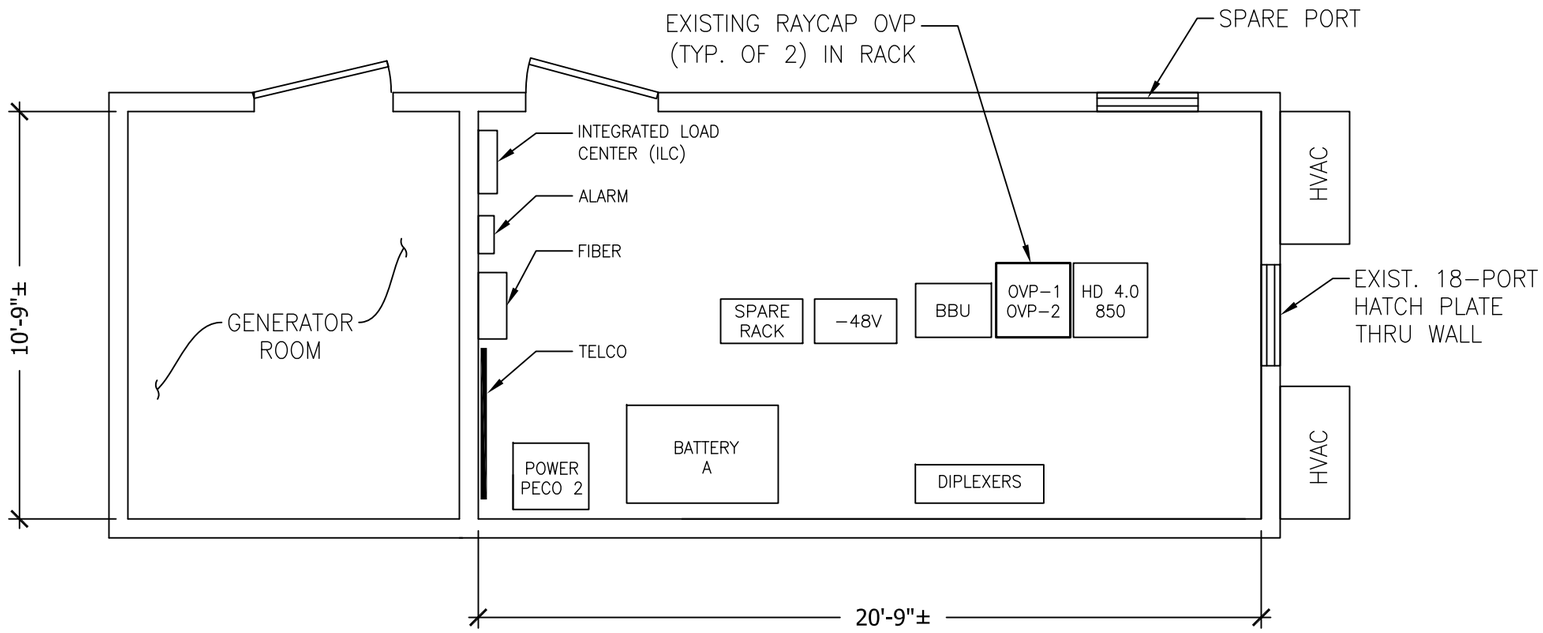
PROJECT NAME:
ANTMO PCS CARRIER ADD CABLE DRAWINGS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT

SHEET TITLE:
COMPOUND PLAN & ELEVATION

SHEET NUMBER:
A-1

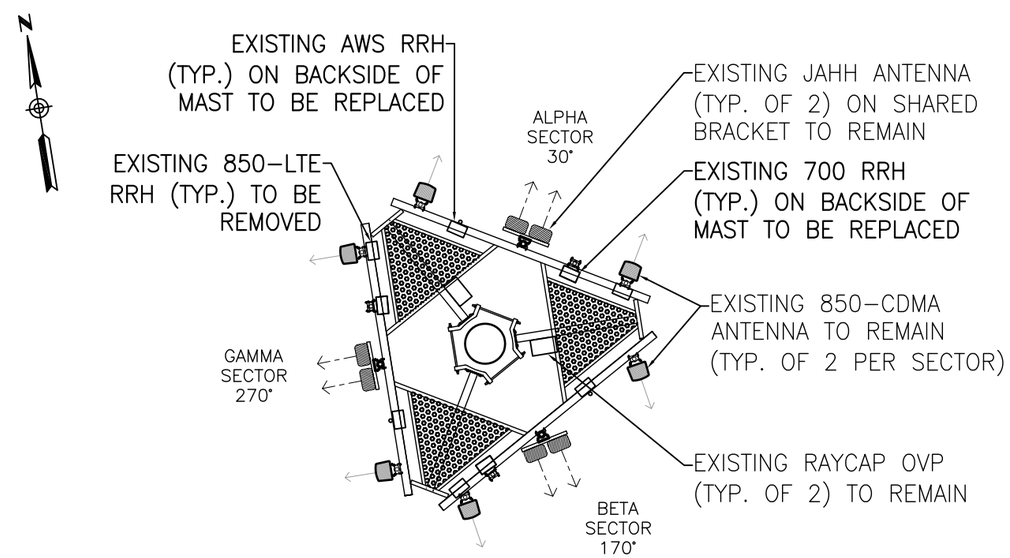


NOTES:
1. CONTRACTOR TO INSTALL NEW AND/OR MODIFY EXISTING CABLE ENTRY PORTS FOR THE PROJECT AS REQUIRED INCLUDING THE REMOVAL OF ANY EXISTING COAXIAL CABLES AS DIRECTED BY VERIZON WIRELESS.

2. SHELTER PLAN IS BASED ON LIMITED MEASUREMENTS FOR A PROPOSED EQUIPMENT MODIFICATION. A DETAILED EQUIPMENT ROOM SURVEY WAS NOT PERFORMED.

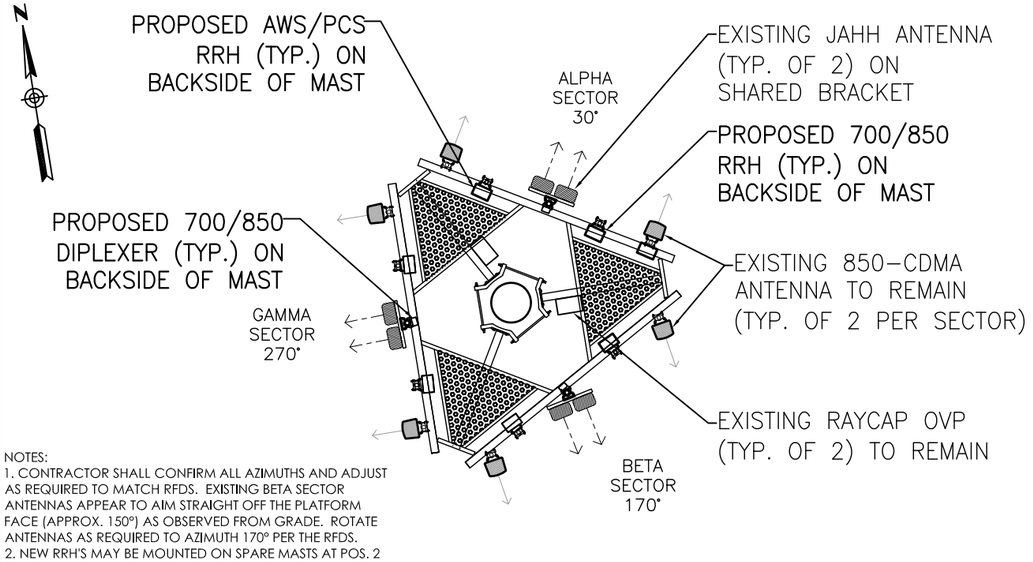
1 SHELTER PLAN - GRADE

Scale: 1/4" = 1'-0"



2 ANTENNA PLAN @ 147 FT. - EXISTING

Scale: 1/8" = 1'-0"



NOTES:
1. CONTRACTOR SHALL CONFIRM ALL AZIMUTHS AND ADJUST AS REQUIRED TO MATCH RFDS. EXISTING BETA SECTOR ANTENNAS APPEAR TO AIM STRAIGHT OFF THE PLATFORM FACE (APPROX. 150°) AS OBSERVED FROM GRADE. ROTATE ANTENNAS AS REQUIRED TO AZIMUTH 170° PER THE RFDS.
2. NEW RRH'S MAY BE MOUNTED ON SPARE MASTS AT POS. 2 AND 4 OR MOUNTED AS SHOWN IN THE STRUCTURAL MOUNT ANALYSIS (BY OTHERS), WHICH WAS RUN FOR THE "WORST-CASE" SCENARIO FOR RRH LOCATIONS.

3 ANTENNA PLAN @ 147 FT. - PROPOSED

Scale: 1/8" = 1'-0"

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

NO	DATE	DESCRIPTION
0	05.15.20	REVIEW
1	06.02.20	REVISED PER RF ENGINEER

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO PCS
CARRIER ADD
CABLE DRAWINGS

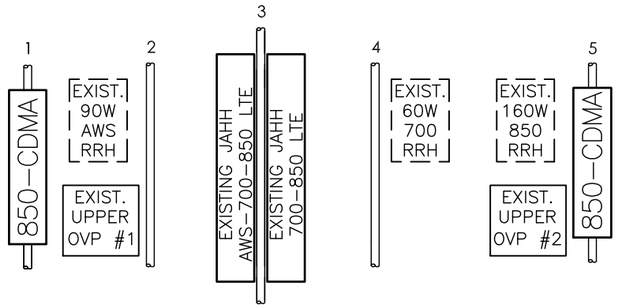
SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT

SHEET TITLE:
SHELTER PLAN &
ANTENNA PLANS

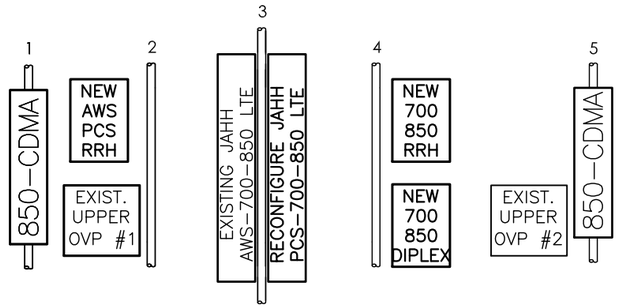
SHEET NUMBER:
A-2

EXISTING - ALPHA



(VIEWED FROM REAR)

PROPOSED - ALPHA



(VIEWED FROM REAR)

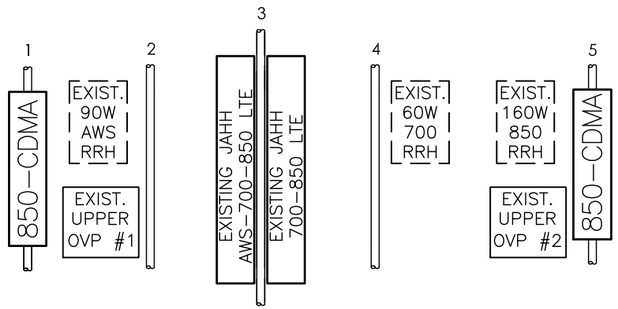
SECTOR: ALPHA				
POSITION	EXISTING ANTENNA	PROPOSED		
		ANTENNA	RRH	OVP
1	850-CDMA	EXISTING TO REMAIN	-	-
2	-	-	NEW AWS/PCS TO REPLACE AWS	-
3	JAHH TO REMAIN; SEE NOTE 1	EXISTING (2) TO REMAIN	-	SEE NOTE 3
4	-	-	NEW 700/850 TO REPLACE 700	-
5	850-CDMA	EXISTING TO REMAIN	REMOVE EXIST. 850-LTE	

NOTES:
1. EXISTING (2) JAHH ANTENNAS ON 'SBS' BRACKETS TO REMAIN; ADD PCS TO (1) ANTENNA
2. NEW RRH'S MAY BE MOUNTED ON SPARE MASTS AT POS. 2 AND 4 OR MOUNTED AS SHOWN IN THE STRUCTURAL MOUNT ANALYSIS (BY OTHERS), WHICH WAS RUN FOR THE "WORST-CASE" SCENARIO FOR RRH LOCATIONS.
3. EXISTING RAYCAP OVP (TYP. OF 2) TO REMAIN.

1 ANTENNA SECTOR CONFIGURATIONS - ALPHA

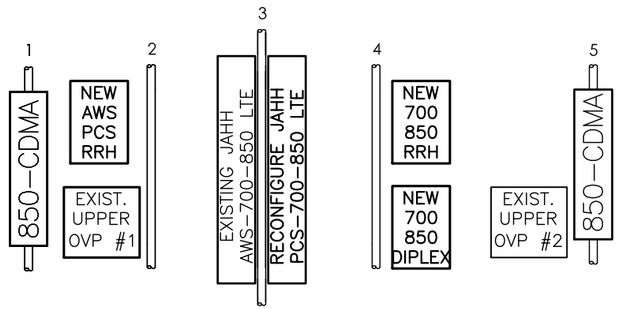
Scale: N.T.S.

EXISTING - BETA



(VIEWED FROM REAR)

PROPOSED - BETA



(VIEWED FROM REAR)

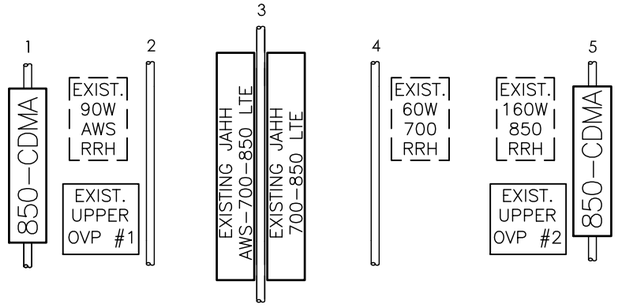
SECTOR: BETA				
POSITION	EXISTING ANTENNA	PROPOSED		
		ANTENNA	RRH	OVP
1	850-CDMA	EXISTING TO REMAIN	-	-
2	-	-	NEW AWS/PCS TO REPLACE AWS	-
3	JAHH TO REMAIN; SEE NOTE 1	EXISTING (2) TO REMAIN	-	SEE NOTE 3
4	-	-	NEW 700/850 TO REPLACE 700	-
5	850-CDMA	EXISTING TO REMAIN	REMOVE EXIST. 850-LTE	

NOTES:
1. EXISTING (2) JAHH ANTENNAS ON 'SBS' BRACKETS TO REMAIN; ADD PCS TO (1) ANTENNA
2. NEW RRH'S MAY BE MOUNTED ON SPARE MASTS AT POS. 2 AND 4 OR MOUNTED AS SHOWN IN THE STRUCTURAL MOUNT ANALYSIS (BY OTHERS), WHICH WAS RUN FOR THE "WORST-CASE" SCENARIO FOR RRH LOCATIONS.
3. EXISTING RAYCAP OVP (TYP. OF 2) TO REMAIN.

2 ANTENNA SECTOR CONFIGURATIONS - BETA

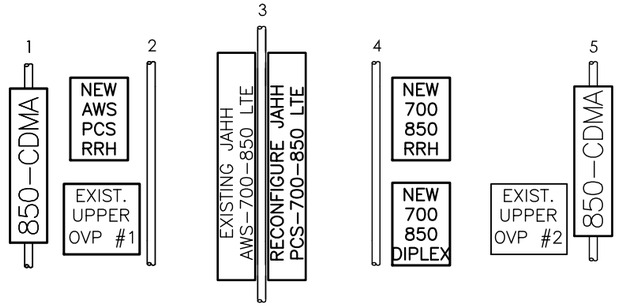
Scale: N.T.S.

EXISTING - GAMMA



(VIEWED FROM REAR)

PROPOSED - GAMMA



(VIEWED FROM REAR)

SECTOR: GAMMA				
POSITION	EXISTING ANTENNA	PROPOSED		
		ANTENNA	RRH	OVP
1	850-CDMA	EXISTING TO REMAIN	-	-
2	-	-	NEW AWS/PCS TO REPLACE AWS	-
3	JAHH TO REMAIN; SEE NOTE 1	EXISTING (2) TO REMAIN	-	SEE NOTE 3
4	-	-	NEW 700/850 TO REPLACE 700	-
5	850-CDMA	EXISTING TO REMAIN	REMOVE EXIST. 850-LTE	

NOTES:
1. EXISTING (2) JAHH ANTENNAS ON 'SBS' BRACKETS TO REMAIN; ADD PCS TO (1) ANTENNA
2. NEW RRH'S MAY BE MOUNTED ON SPARE MASTS AT POS. 2 AND 4 OR MOUNTED AS SHOWN IN THE STRUCTURAL MOUNT ANALYSIS (BY OTHERS), WHICH WAS RUN FOR THE "WORST-CASE" SCENARIO FOR RRH LOCATIONS.
3. EXISTING RAYCAP OVP (TYP. OF 2) TO REMAIN.

3 ANTENNA SECTOR CONFIGURATIONS - GAMMA

Scale: N.T.S.

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 PROFESSIONAL ENGINEER

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

SUBMITTALS

NO	DATE	DESCRIPTION
0	05.15.20	REVIEW
1	06.02.20	REVISED PER RF ENGINEER

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO PCS CARRIER ADD CABLE DRAWINGS

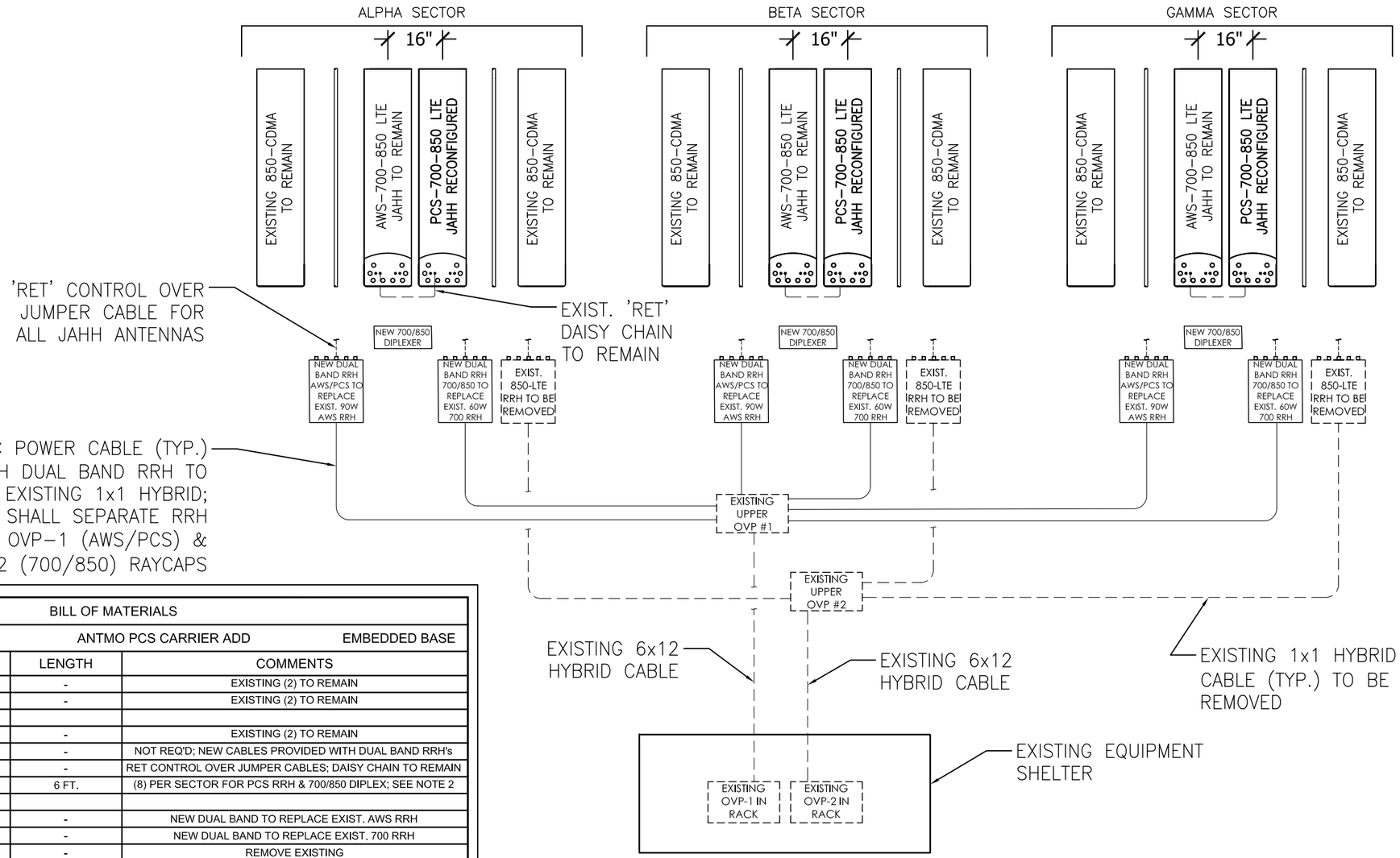
SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT

SHEET TITLE:
ANTENNA SECTOR CONFIGURATIONS

SHEET NUMBER:
A-3

NOTE: ALL ANTENNAS VIEWED FROM REAR



BILL OF MATERIALS			
SITE NAME: HAMDEN NORTH 2 CT	ANTMO PCS CARRIER ADD		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	-	-	EXISTING (2) TO REMAIN
UPPER OVP	-	-	EXISTING (2) TO REMAIN
6x12 HYBRID CABLE	-	-	EXISTING (2) TO REMAIN
1x1 HYBRID CABLE	-	-	NOT REQ'D; NEW CABLES PROVIDED WITH DUAL BAND RRH's
RET CONTROL CABLE	-	-	RET CONTROL OVER JUMPER CABLES; DAISY CHAIN TO REMAIN
1/2" JUMPERS	24	6 FT.	(8) PER SECTOR FOR PCS RRH & 700/850 DIPLEX; SEE NOTE 2
AWS/PCS RRH	3	-	NEW DUAL BAND TO REPLACE EXIST. AWS RRH
700/850 RRH	3	-	NEW DUAL BAND TO REPLACE EXIST. 700 RRH
850-LTE RRH	-	-	REMOVE EXISTING
700/850 DIPLEXER	3	-	REFER TO RFDS FOR SPECS
AWS ANTENNA	-	-	EXIST. JAHH TO REMAIN; SHARED WITH 700, 850-LTE
700 ANTENNA	-	-	EXIST. JAHH TO REMAIN; SHARED WITH 850-LTE
1900 ANTENNA	-	-	ADD TO EXISTING JAHH ANTENNA
850-LTE ANTENNA	-	-	SHARED WITH JAHH ANTENNAS
850-CDMA ANTENNA	-	-	EXISTING TO REMAIN - 2 PER SECTOR
SHARED MOUNTING BRACKET	-	-	EXISTING TO REMAIN

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. RE-USE EXISTING AWS, 700, 850-LTE JUMPERS. PROVIDE TERMINATION CAPS ON ALL UN-USED ANTENNA PORTS.

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RF DATA SHEET 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 CONTROL CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING COAXIAL CABLES EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS IN CERTAIN APPLICATIONS.

1 BILL OF MATERIALS
Scale: N.T.S.

2 RF PLUMBING DIAGRAM
Scale: N.T.S.

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 PROFESSIONAL ENGINEER

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

SUBMITTALS

NO	DATE	DESCRIPTION
0	05.15.20	REVIEW
1	06.02.20	REVISED PER RF ENGINEER

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO PCS CARRIER ADD CABLE DRAWINGS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT

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

SHEET NUMBER:
A-4

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

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Hamden North 2								
Structure Height: 160 Ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	2	1028	137	1900	0.0431	1.0000	0.43%	
*T-Mobile	2	1028	137	2100	0.0431	1.0000	0.43%	
*T-Mobile	2	592	137	600	0.0248	0.4000	0.62%	
*T-Mobile	2	649	137	700	0.0272	0.4667	0.58%	
*T-Mobile	2	2057	137	2100	0.0862	1.0000	0.86%	
*Sprint	1	310	157.5	850	0.0049	0.5667	0.09%	
*Sprint	2	310	157.5	850	0.0097	0.5667	0.17%	
*Sprint	5	495	157.5	1900	0.0388	1.0000	0.39%	
*Sprint	2	1236	157.5	1900	0.0387	1.0000	0.39%	
*Sprint	8	778	157.5	2500	0.0975	1.0000	0.98%	
*Pocket (now MetroPCS)	3	631	137	2130	0.0397	1.0000	0.40%	
VZW 700	**4**	**628**	**147**	**0.0418**	**746**	**0.49733**	**8.40%**	
VZW Cellular	**2**	**291**	**147**	**0.0097**	**869**	**0.59733**	**1.67%**	
VZW Cellular	**4**	**458**	**147**	**0.0305**	**880**	**0.5866**	**5.19%**	
VZW PCS	**4**	**1,463**	**147**	**0.0974**	**1970**	**1.0**	**9.74%**	
VZW AWS	**4**	**1,450**	**147**	**0.0966**	**2145**	**1.0**	**9.66%**	
								39.99%

ATTACHMENT 4

Structural Analysis Report

Prepared for:

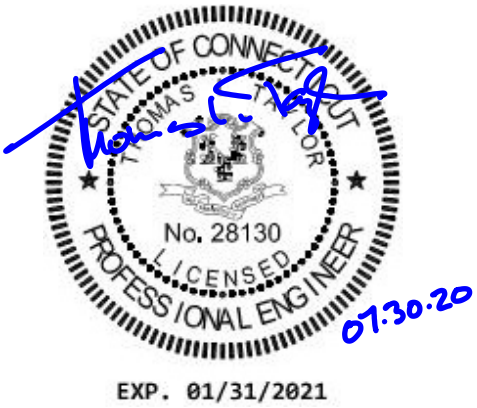
Sprint Sites USA - GA 2

1765 Grassland Parkway
Alpharetta, GA 30004

ATTN: Ms. Debby MacMaster

Structure	:	**157 ft Monopole**
Site ID	:	**CT54XC773**
Proposed Carrier	:	**Verizon**
Site Location	:	**150 Willow Street** **Hamden, CT** **41.44939, -72.90457**
County	:	**New Haven**
Date	:	**July 24, 2020**
Max Usage	:	**47%**
Result	:	**Pass**

Prepared By:
Courtney Bateman
Structural Engineer



EXP. 01/31/2021

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 157 ft monopole to reflect the change in loading by Verizon.

Supporting Documents

Tower Drawings	EEI Project #14977, dated July 17, 2007
Foundation Drawing	EEI Project #14977, dated July 17, 2007
Geotechnical Report	JGI Project #J2075344, dated June 29, 2007
Mount Analysis	Maser Site ID: 467707-VZW / NE HAMDEN NORTH 2, dated May 8, 2020

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	95 mph (3-Second Gust) Vasd / 123 mph (3-Second Gust) Vult
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2015 IBC / 2018 Connecticut State Building Code
Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	Ss = 0.19, S_1 = 0.06
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact Semaan Engineering Solutions at 402-289-1888.

Existing and Reserved Equipment

This loading **is** included in the analysis.

Centerline Elevation (ft)		Qty.	Antenna	Mount Type	Coax (in)	Carrier
Mount	Equip.					
157.0	157.5	3	800MHz RRH	Platform w/ Rail	(12) 1 5/8" Fiber (3) 1 1/4" Fiber (1) Trunk Line (2) 1/2" (3) RET	Sprint
		6	TD-RRH-8X20			
		3	APXVTM14-C-I20			
		3	96" x 14" x 7" Panel			
		12	16" x 9" x 6" Combiners			
		2	26" Microwave			
		1	GPS Antenna			
		9	RET Kit			
		2	ODU			
		6	1900MHz RRH			
		6	800 MHz Notch Filter			
		3	APXVSPP18-C-A20			
147.0	147.0	2	DB-T1-6Z-8AB-0Z	Platform w/ Rail	(12) 1 5/8" (2) 1 5/8" Fiber	Verizon
		6	JAHH-65B-R3B			
		6	LPA-80080/4CF			
137.0	137.0	3	AIR 21 B2A/B4P	(3) T-Arms	(6) 1 5/8"	T-Mobile
		3	AIR 21 B4A/B2P			
		3	LNX-6515DS-A1M			
		3	1B-twin AWS TMA			

Equipment to be Removed

This loading **is not** included in the analysis.

Centerline Elevation (ft)		Qty.	Antenna	Mount Type	Coax (in)	Carrier
Mount	Equip.					
147.0	147.0	3	RRH 4x40-850	-	-	Verizon
		3	RRH 2x60 LTE			
		3	90W AWS RRH			
		6	FD9R6004/2C-3L			

Proposed Equipment

This loading **is** included in the analysis.

Centerline Elevation (ft)		Qty.	Antenna	Mount Type	Coax (in)	Carrier
Mount	Equip.					
147.0	147.0	3	B2/B66A RRH-BRO49	Existing Platform w/ Rail	-	Verizon
		3	B5/B13 RRH			
		3	CBC78T-DS-43-2X			

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	22%	Pass
Shaft	47%	Pass
Base Plate	22%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,014.6	9%
Axial (Kips)	59.1	32%
Shear (Kips)	25.8	N/A
Reinf. Conc. Foundation Capacity	N/A	34%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
157.0	26" Microwave	Sprint	1.124	0.922
147.0	B2/B66A RRH-BRO49	Verizon	0.966	0.881
	B5/B13 RRH			
	CBC78T-DS-43-2X			

***Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-G**

Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

-- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.

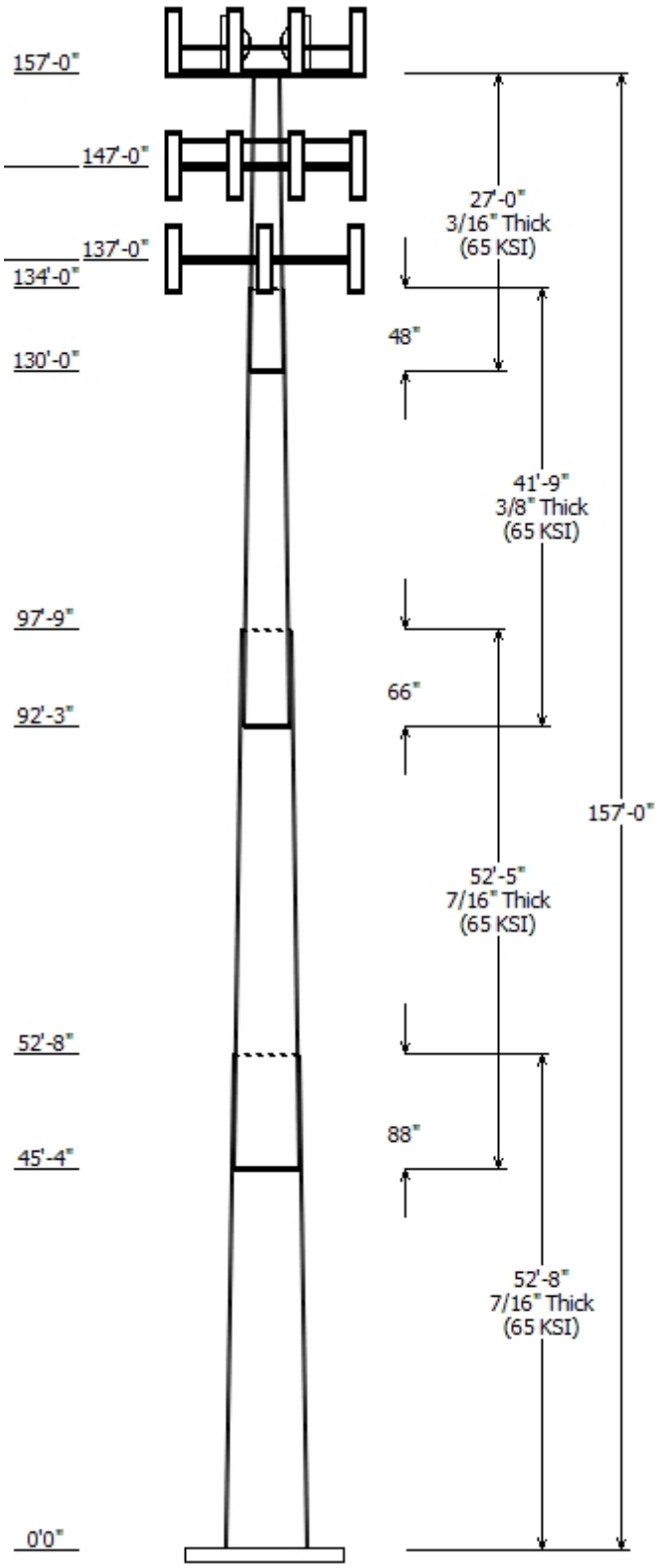
-- Information from drawings in the possession of Semaan Engineering Solutions, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to Semaan Engineering Solutions Holdings and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and Semaan Engineering Solutions, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Semaan Engineering Solutions Holdings is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

SEMAAN ENGINEERING SOLUTIONS, LLC
1047 N.205th Street
Elkhorn, NE 68022
Phone: 402-289-1888
Fax: 402-289-1861



Job Information

Pole :	CT54XC773	Code:	ANSI/TIA-222-G
Description :			
Client :	Sprint Sites USA - GA 2	Struct Class :	II
Location :	Hamden, CT		
Shape :	18 Sides	Exposure :	B
Height :	157.00 (ft)	Topo :	1
Base Elev (ft):	1.00		
Taper:	0.32802 (in/ft)		

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
1	52.667	50.72	68.00	0.438		0.000	0.328026	65
2	52.417	36.81	54.00	0.438	Slip Joint	88.000	0.328026	65
3	41.750	25.67	39.36	0.375	Slip Joint	66.000	0.328026	65
4	27.000	18.50	27.35	0.188	Slip Joint	48.000	0.328026	65

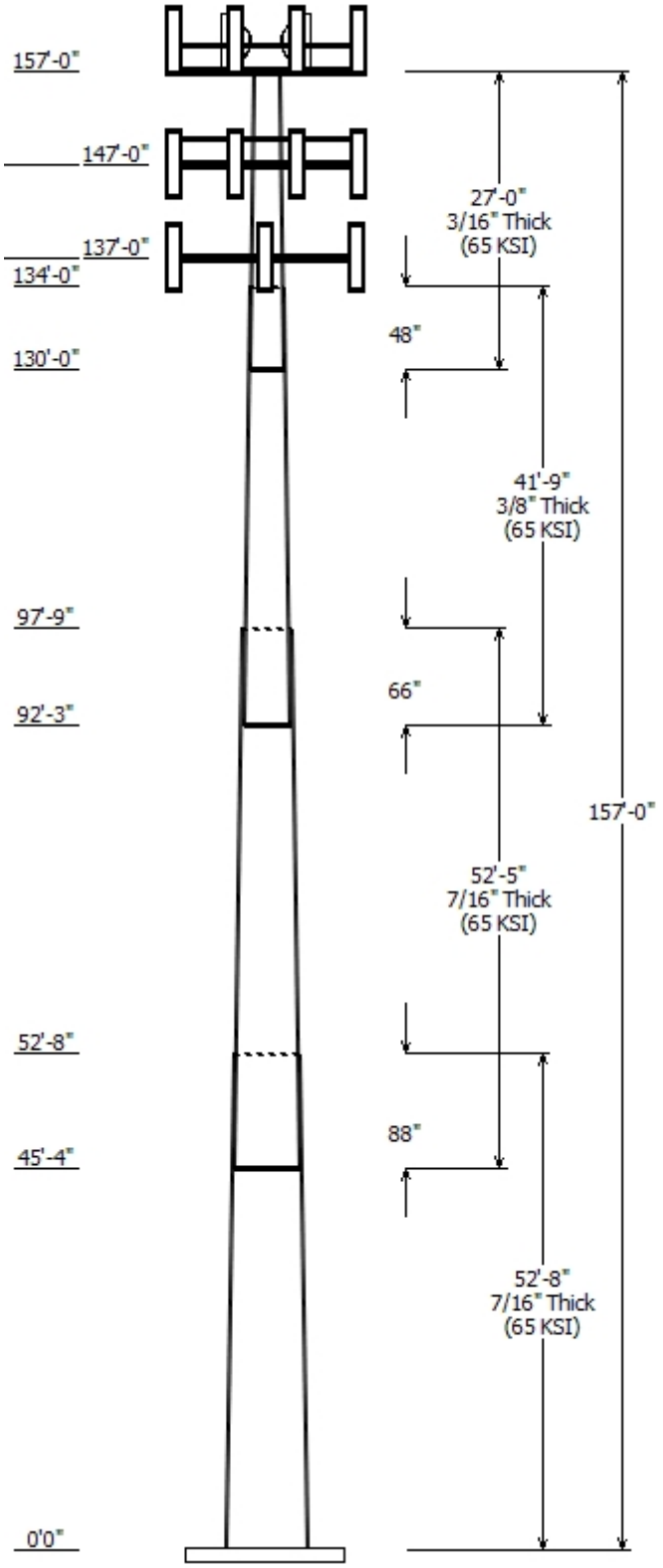
Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
157.000	157.500	1	Collar Mount
157.000	158.500	1	Platform w/ Rail
157.000	157.500	3	APXVSPP18-C-A20
157.000	157.500	6	800 MHz Notch Filter
157.000	157.500	6	1900MHz RRH
157.000	157.500	2	ODU
157.000	157.500	9	RET Kit
157.000	157.500	1	GPS Antenna
157.000	157.500	2	26" Microwave
157.000	157.500	12	16" x 9" x 6" Combiners
157.000	157.500	3	96" x 14" x 7" Panel
157.000	157.500	3	APXVTM14-C-I20
157.000	157.500	6	TD-RRH-8X20
157.000	157.500	3	800MHz RRH
147.000	147.000	3	CBC78T-DS-43-2X
147.000	147.000	3	B5/B13 RRH
147.000	147.000	3	B2/B66A RRH-BRO49
147.000	147.000	6	JAHH-65B-R3B
147.000	147.000	2	DB-T1-6Z-8AB-0Z
147.000	147.000	6	LPA-80080/4CF
147.000	148.500	1	Platform w/Rail
137.000	137.000	3	1B-twin AWS TMA
137.000	137.000	3	LNX-6515DS-A1M
137.000	137.000	3	T-Arms
137.000	137.000	3	AIR 21 B4A/B2P
137.000	137.000	3	AIR 21 B2A/B4P

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	137.0	1 5/8" Coax	No
0.000	147.0	1 5/8" Coax	No
0.000	147.0	1 5/8" Fiber	No
0.000	157.0	1 1/4" Fiber	No
0.000	157.0	1 5/8" Fiber	No
0.000	157.0	1/2" Coax	No
0.000	157.0	RET Cable	No
0.000	157.0	Trunk Line	No

Load Cases



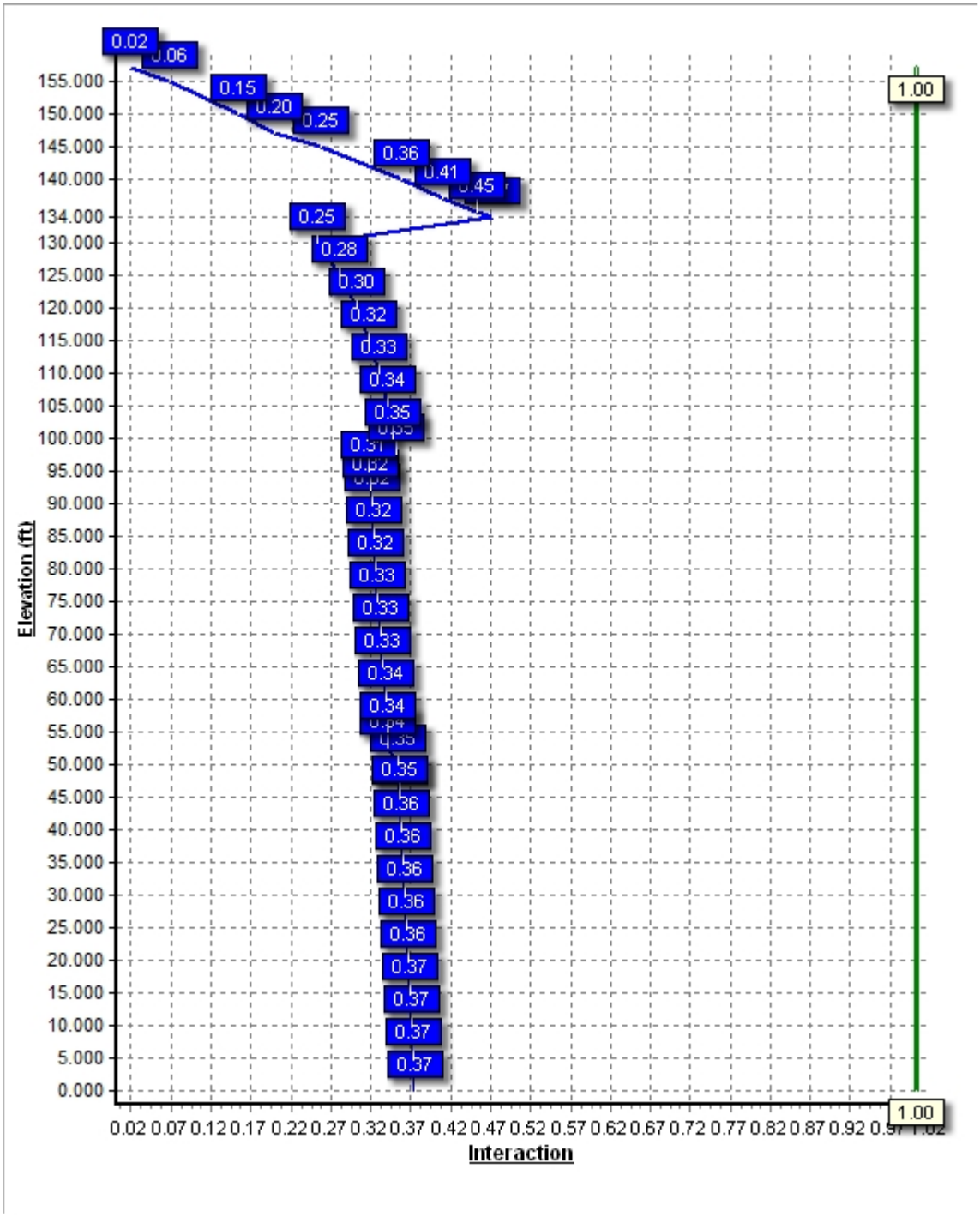
1.2D + 1.6W	95 mph with No Ice
0.9D + 1.6W	95 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice
(1.2 + 0.2Sds) * DL + E	Seismic Equivalent Lateral Forces Method
(1.2 + 0.2Sds) * DL + E	Seismic Equivalent Modal Analysis Method
(0.9 - 0.2Sds) * DL + E	Seismic (Reduced DL) Equivalent Lateral
(0.9 - 0.2Sds) * DL + E	Seismic (Reduced DL) Equivalent Modal
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	3014.55	25.80	59.05
0.9D + 1.6W	2990.18	25.79	44.28
1.2D + 1.0Di + 1.0Wi	815.70	7.29	87.26
(1.2 + 0.2Sds) * DL + E ELFM	270.03	2.13	58.78
(1.2 + 0.2Sds) * DL + E EMAM	464.80	3.61	58.78
(0.9 - 0.2Sds) * DL + E ELFM	267.43	2.13	40.79
(0.9 - 0.2Sds) * DL + E EMAM	459.93	3.61	40.79
1.0D + 1.0W	747.71	6.43	49.22

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	157.00	13.735	0.940


Elevation (ft)
155.000
150.000
145.000
140.000
134.000
130.000
125.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.02
0.06
0.15
0.20
0.25
0.36
0.41
0.45
0.25
0.28
0.30
0.32
0.33
0.34
0.35
0.32
0.32
0.33
0.33
0.33
0.34
0.34
0.35
0.36
0.36
0.36
0.36
0.36
0.37
0.37
0.37
0.37
1.00
1.00
0.02 0.07 0.12 0.17 0.22 0.27 0.32 0.37 0.42 0.47 0.52 0.57 0.62 0.67 0.72 0.77 0.82 0.87 0.92
Interaction

Site Number:	**CT54XC773**	**Code: ANSI/TIA-222-G**	
Site Name:	**Hamden, CT**	**Engineering Number: REV10**	**7/24/2020 2:50:54 PM**
Customer:	**Sprint Sites USA - GA 2**		

Analysis Parameters

Location:	**New Haven County, CT**		
Code:	**ANSI/TIA-222-G**	**Height (ft):**	**157**
Shape:	**18 Sides**	**Base Diameter (in):**	**68.00**
Pole Type:	**Taper**	**Top Diameter (in):**	**18.50**
Pole Manfacturer:	**EEI**	**Taper (in/ft) :**	**0.328**

Ice & Wind Parameters

Structure Class:	**II**	**Design Wind Speed Without Ice:**	**95 mph**
Exposure Catagory:	**B**	**Design Wind Speed With Ice:**	**50 mph**
Topographic Catagory:	**1**	**Operational Wind Speed:**	**60 mph**
Crest Height:	**0.0 ft**	**Design Ice Thickness:**	**0.75 in**

Seismic Parameters

Analysis Method:	**Equivalent Modal Analysis & Equivalent Lateral Force Methods**				
Site Class:	**D - Stiff Soil**				
Period Based on Rayleigh Method (sec):	**2.02**				
T_L (sec):	**6**	**p:**	**1.3**	**C_s:**	**0.033**
S_s:	**0.186**	**S_1:**	**0.063**	**C_s Max:**	**0.033**
F_a:	**1.600**	**F_v:**	**2.400**	**C_s Min:**	**0.030**
S_{ds}:	**0.198**	**S_{d1}:**	**0.101**		

Load Cases

1.2D + 1.6W	**95 mph with No Ice**
0.9D + 1.6W	**95 mph with No Ice (Reduced DL)**
1.2D + 1.0Di + 1.0Wi	**50 mph with 0.75 in Radial Ice**
(1.2 + 0.2Sds) * DL + E ELFM	**Seismic Equivalent Lateral Forces Method**
(1.2 + 0.2Sds) * DL + E EMAM	**Seismic Equivalent Modal Analysis Method**
(0.9 - 0.2Sds) * DL + E ELFM	**Seismic (Reduced DL) Equivalent Lateral Forces Method**
(0.9 - 0.2Sds) * DL + E EMAM	**Seismic (Reduced DL) Equivalent Modal Analysis Method**
1.0D + 1.0W	**Serviceability 60 mph**

Site Number:	**CT54XC773**	**Code:**	**ANSI/TIA-222-G**
Site Name:	**Hamden, CT**	**Engineering Number:**	**REV10**
Customer:	**Sprint Sites USA - GA 2**		

7/24/2020 2:50:54 PM

Shaft Section Properties

							Bottom						Top						
Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-18	52.667	0.4375	65		0.00	14,663	68.00	0.00	93.82	54105.3	26.00	155.43	50.72	52.67	69.83	22308.8	19.03	115.94	0.328026
2-18	52.417	0.4375	65	Slip	88.00	11,138	54.00	45.33	74.38	26965.9	20.35	123.44	36.81	97.75	50.51	8442.3	13.43	84.14	0.328026
3-18	41.750	0.3750	65	Slip	66.00	5,435	39.36	92.25	46.41	8913.0	17.10	104.97	25.67	134.00	30.11	2433.6	10.66	68.45	0.328026
4-18	27.000	0.1875	65	Slip	48.00	1,243	27.35	130.00	16.17	1507.9	24.32	145.90	18.50	157.00	10.90	461.7	15.99	98.67	0.328026
				Shaft Weight		32,479													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor	Distance From Face (ft)	Vert Ecc (ft)
157.00	16" x 9" x 6" Combiners	12	10.00	1.200	0.50	36.40	2.531	0.50	0.000	0.500
157.00	1900MHz RRH	6	60.00	3.010	0.67	168.11	3.276	0.67	0.000	0.500
157.00	26" Microwave	2	90.00	3.960	1.00	223.24	5.152	1.00	0.000	0.500
157.00	800 MHz Notch Filter	6	8.82	0.750	0.50	33.31	1.013	0.50	0.000	0.500
157.00	800MHz RRH	3	64.00	2.480	0.67	154.95	3.636	0.67	0.000	0.500
157.00	96" x 14" x 7" Panel	3	70.00	13.000	0.79	358.36	14.651	0.79	0.000	0.500
157.00	APXVSPP18-C-A20	3	57.00	8.260	0.80	257.78	9.321	0.80	0.000	0.500
157.00	APXVTM14-C-I20	3	54.90	6.430	0.76	208.66	7.021	0.76	0.000	0.500
157.00	Collar Mount	1	250.00	5.000	1.00	863.62	13.766	1.00	0.000	0.500
157.00	GPS Antenna	1	1.00	0.388	1.00	20.18	0.651	1.00	0.000	0.500
157.00	ODU	2	11.00	0.910	1.00	46.59	1.320	1.00	0.000	0.500
157.00	Platform w/ Rail	1	2500.00	35.850	1.00	6,006.39	52.014	1.00	0.000	1.500
157.00	RET Kit	9	1.04	0.136	0.50	9.51	0.304	0.50	0.000	0.500
157.00	TD-RRH-8X20	6	70.00	4.800	0.67	184.18	4.951	0.67	0.000	0.500
147.00	B2/B66A RRH-BRO49	3	84.44	1.870	0.67	160.79	2.436	0.67	0.000	0.000
147.00	B5/B13 RRH	3	70.33	1.870	0.67	125.50	2.753	0.67	0.000	0.000
147.00	CBC78T-DS-43-2X	3	20.70	0.510	0.50	41.42	0.987	0.50	0.000	0.000
147.00	DB-T1-6Z-8AB-0Z	2	44.00	5.600	1.00	187.39	5.672	1.00	0.000	0.000
147.00	JAHH-65B-R3B	6	63.30	9.110	0.83	260.20	11.541	0.83	0.000	0.000
147.00	LPA-80080/4CF	6	12.00	6.057	0.71	147.02	6.390	0.71	0.000	0.000
147.00	Platform w/Rail	1	2500.00	35.850	1.00	5,983.39	51.909	1.00	0.000	1.500
137.00	1B-twin AWS TMA	3	22.00	0.910	0.50	56.18	1.175	0.50	0.000	0.000
137.00	AIR 21 B2A/B4P	3	92.00	6.530	0.88	267.24	7.138	0.88	0.000	0.000
137.00	AIR 21 B4A/B2P	3	90.39	6.580	0.83	256.57	7.138	0.83	0.000	0.000
137.00	LNX-6515DS-A1M	3	50.30	11.440	0.80	311.07	13.088	0.80	0.000	0.000
137.00	T-Arms	3	242.00	8.190	0.67	446.08	18.359	0.67	0.000	0.000
	Totals	97	9709.26		27,001.17			Number of Loadings :		26

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Diameter (in)	Coax Weight (lb/ft)	Flat	Protected Width (in)	Exposed To Wind	Carrier
0.00	157.00	3	1 1/4" Fiber	1.25	0.95	N	0.00	N	Sprint
0.00	157.00	12	1 5/8" Fiber	1.98	1.78	N	0.00	N	Sprint
0.00	157.00	2	1/2" Coax	0.65	0.16	N	0.00	N	Sprint
0.00	157.00	3	RET Cable	0.44	0.08	N	0.00	N	Sprint
0.00	157.00	1	Trunk Line	1.25	0.95	N	0.00	N	Sprint
0.00	147.00	12	1 5/8" Coax	1.98	1.04	N	0.00	N	Verizon
0.00	147.00	2	1 5/8" Fiber	1.98	1.04	N	0.00	N	Verizon
0.00	137.00	6	1 5/8" Coax	1.98	1.04	N	0.00	N	T-Mobile

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.4375	68.000	93.816	54,105.3	26.00	155.43	70.8	1567.	0.0	0.0
5.00		0.4375	66.360	91.538	50,259.8	25.33	151.68	71.6	1491.	0.0	1,576.8
10.00		0.4375	64.720	89.261	46,601.0	24.67	147.93	72.4	1418.	0.0	1,538.0
15.00		0.4375	63.080	86.983	43,124.3	24.01	144.18	73.2	1346.	0.0	1,499.3
20.00		0.4375	61.439	84.706	39,824.9	23.35	140.43	73.9	1276.	0.0	1,460.5
25.00		0.4375	59.799	82.428	36,698.2	22.69	136.68	74.7	1208.	0.0	1,421.8
30.00		0.4375	58.159	80.151	33,739.6	22.03	132.94	75.5	1142.	0.0	1,383.1
35.00		0.4375	56.519	77.874	30,944.5	21.37	129.19	76.3	1078.	0.0	1,344.3
40.00		0.4375	54.879	75.596	28,308.2	20.71	125.44	77.0	1016.	0.0	1,305.6
45.00		0.4375	53.239	73.319	25,826.0	20.05	121.69	77.8	955.5	0.0	1,266.8
45.33	Bot - Section 2	0.4375	53.130	73.167	25,665.9	20.00	121.44	77.9	951.5	0.0	83.1
50.00		0.4375	51.599	71.041	23,493.4	19.39	117.94	78.6	896.8	0.0	2,309.3
52.67	Top - Section 1	0.4375	51.599	71.042	23,493.7	19.39	117.94	78.6	896.8	0.0	1,289.3
55.00		0.4375	50.834	69.979	22,455.0	19.08	116.19	79.0	870.0	0.0	559.8
60.00		0.4375	49.193	67.701	20,333.2	18.42	112.44	79.7	814.1	0.0	1,171.2
65.00		0.4375	47.553	65.424	18,349.5	17.75	108.69	80.5	760.0	0.0	1,132.5
70.00		0.4375	45.913	63.146	16,499.1	17.09	104.94	81.3	707.8	0.0	1,093.7
75.00		0.4375	44.273	60.869	14,777.6	16.43	101.20	82.1	657.4	0.0	1,055.0
80.00		0.4375	42.633	58.592	13,180.1	15.77	97.45	82.6	608.9	0.0	1,016.2
85.00		0.4375	40.993	56.314	11,702.2	15.11	93.70	82.6	562.3	0.0	977.5
90.00		0.4375	39.353	54.037	10,339.0	14.45	89.95	82.6	517.5	0.0	938.7
92.25	Bot - Section 3	0.4375	38.615	53.012	9,761.9	14.15	88.26	82.6	497.9	0.0	409.8
95.00		0.4375	37.713	51.759	9,086.1	13.79	86.20	82.6	474.5	0.0	919.4
97.75	Top - Section 2	0.3750	37.561	44.258	7,732.1	16.25	100.16	82.3	405.5	0.0	897.7
100.0		0.3750	36.822	43.380	7,280.8	15.90	98.19	82.6	389.4	0.0	335.5
105.0		0.3750	35.182	41.428	6,341.4	15.13	93.82	82.6	355.0	0.0	721.5
110.0		0.3750	33.542	39.476	5,486.6	14.36	89.45	82.6	322.2	0.0	688.2
115.0		0.3750	31.902	37.524	4,712.2	13.59	85.07	82.6	290.9	0.0	655.0
120.0		0.3750	30.262	35.572	4,014.4	12.82	80.70	82.6	261.3	0.0	621.8
125.0		0.3750	28.622	33.620	3,389.1	12.05	76.32	82.6	233.2	0.0	588.6
130.0	Bot - Section 4	0.3750	26.982	31.667	2,832.4	11.28	71.95	82.6	206.8	0.0	555.4
134.0	Top - Section 3	0.1875	26.045	15.388	1,299.8	23.08	138.90	74.3	98.3	0.0	635.2
135.0		0.1875	25.717	15.192	1,251.0	22.77	137.15	74.6	95.8	0.0	52.0
137.0		0.1875	25.060	14.802	1,157.0	22.16	133.66	75.3	90.9	0.0	102.1
140.0		0.1875	24.076	14.216	1,025.0	21.23	128.41	76.4	83.9	0.0	148.1
145.0		0.1875	22.436	13.240	828.1	19.69	119.66	78.2	72.7	0.0	233.6
147.0		0.1875	21.780	12.850	757.0	19.07	116.16	79.0	68.5	0.0	88.8
150.0		0.1875	20.796	12.264	658.1	18.15	110.91	80.1	62.3	0.0	128.2
155.0		0.1875	19.156	11.288	513.2	16.60	102.17	81.9	52.8	0.0	200.4
157.0		0.1875	18.500	10.898	461.7	15.99	98.67	82.6	49.2	0.0	75.5
											32,479.3

Site Number:	**CT54XC773**	**Code: ANSI/TIA-222-G**	
Site Name:	**Hamden, CT**	**Engineering Number: REV10**	**7/24/2020 2:50:54 PM**
Customer:	**Sprint Sites USA - GA 2**		

Load Case: **1.2D + 1.6W** — **95 mph with No Ice** — **21 Iterations**

Gust Response Factor : 1.10
Dead Load Factor : 1.20
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		249.8	0.0					0.0	0.0	249.8	0.0	0.0	0.0
5.00		493.5	1,892.2					0.0	279.2	493.5	2,171.4	0.0	0.0
10.00		481.3	1,845.7					0.0	279.2	481.3	2,124.9	0.0	0.0
15.00		469.1	1,799.2					0.0	279.2	469.1	2,078.4	0.0	0.0
20.00		456.9	1,752.7					0.0	279.2	456.9	2,031.9	0.0	0.0
25.00		444.7	1,706.2					0.0	279.2	444.7	1,985.4	0.0	0.0
30.00		439.5	1,659.7					0.0	279.2	439.5	1,938.9	0.0	0.0
35.00		442.8	1,613.2					0.0	279.2	442.8	1,892.4	0.0	0.0
40.00		446.3	1,566.7					0.0	279.2	446.3	1,845.9	0.0	0.0
45.00		238.6	1,520.2					0.0	279.2	238.6	1,799.4	0.0	0.0
45.33	Bot - Section 2	227.3	99.7					0.0	18.6	227.3	118.3	0.0	0.0
50.00		333.4	2,771.1					0.0	260.6	333.4	3,031.7	0.0	0.0
52.67	Top - Section 1	226.7	1,547.1					0.0	148.9	226.7	1,696.0	0.0	0.0
55.00		330.9	671.8					0.0	130.3	330.9	802.1	0.0	0.0
60.00		448.3	1,405.5					0.0	279.2	448.3	1,684.7	0.0	0.0
65.00		443.2	1,359.0					0.0	279.2	443.2	1,638.2	0.0	0.0
70.00		437.0	1,312.5					0.0	279.2	437.0	1,591.7	0.0	0.0
75.00		429.6	1,266.0					0.0	279.2	429.6	1,545.2	0.0	0.0
80.00		421.3	1,219.5					0.0	279.2	421.3	1,498.7	0.0	0.0
85.00		412.1	1,173.0					0.0	279.2	412.1	1,452.2	0.0	0.0
90.00		293.6	1,126.5					0.0	279.2	293.6	1,405.7	0.0	0.0
92.25	Bot - Section 3	200.5	491.8					0.0	125.6	200.5	617.4	0.0	0.0
95.00		219.5	1,103.3					0.0	153.6	219.5	1,256.9	0.0	0.0
97.75	Top - Section 2	196.7	1,077.2					0.0	153.6	196.7	1,230.8	0.0	0.0
100.00		278.7	402.6					0.0	125.6	278.7	528.2	0.0	0.0
105.00		375.5	865.7					0.0	279.2	375.5	1,145.0	0.0	0.0
110.00		362.7	825.9					0.0	279.2	362.7	1,105.1	0.0	0.0
115.00		349.4	786.0					0.0	279.2	349.4	1,065.2	0.0	0.0
120.00		335.4	746.2					0.0	279.2	335.4	1,025.4	0.0	0.0
125.00		320.9	706.3					0.0	279.2	320.9	985.5	0.0	0.0
130.00	Bot - Section 4	278.4	666.5					0.0	279.2	278.4	945.7	0.0	0.0
134.00	Top - Section 3	151.3	762.2					0.0	223.4	151.3	985.6	0.0	0.0
135.00		88.0	62.4					0.0	55.8	88.0	118.3	0.0	0.0
137.00	Appertunance(s)	143.4	122.5	2,607.6	0.0	0.0	1,788.1	0.0	111.7	2,751.1	2,022.2	0.0	0.0
140.00		220.5	177.7					0.0	145.1	220.5	322.8	0.0	0.0
145.00		187.2	280.3					0.0	241.8	187.2	522.1	0.0	0.0
147.00	Appertunance(s)	127.0	106.5	4,438.4	0.0	2,302.8	4,279.5	0.0	96.7	4,565.4	4,482.7	0.0	0.0
150.00		193.7	153.8					0.0	92.6	193.7	246.5	0.0	0.0
155.00		163.5	240.4					0.0	154.4	163.5	394.8	0.0	0.0
157.00	Appertunance(s)	45.0	90.6	6,557.5	0.0	4,842.6	5,583.6	0.0	61.8	6,602.5	5,735.9	0.0	0.0
								Totals:		26,006.8	59,069.0	0.00	0.00

Site Number:	**CT54XC773**	**Code: ANSI/TIA-222-G**	
Site Name:	**Hamden, CT**	**Engineering Number: REV10**	**7/24/2020 2:50:55 PM**
Customer:	**Sprint Sites USA - GA 2**		

Load Case: **1.2D + 1.6W** **95 mph with No Ice** **21 Iterations**

Gust Response Factor : 1.10
Dead Load Factor : 1.20
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-59.05	-25.80	0.00	-3,014.55	0.00	3,014.55	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.372
5.00	-56.85	-25.38	0.00	-2,885.57	0.00	2,885.57	5,898.95	2,949.47	15,998.2	8,011.02	0.04	-0.08	0.370
10.00	-54.69	-24.97	0.00	-2,758.67	0.00	2,758.67	5,814.64	2,907.32	15,374.6	7,698.77	0.17	-0.16	0.368
15.00	-52.57	-24.57	0.00	-2,633.81	0.00	2,633.81	5,727.15	2,863.57	14,754.3	7,388.14	0.38	-0.24	0.366
20.00	-50.51	-24.18	0.00	-2,510.95	0.00	2,510.95	5,636.47	2,818.23	14,137.9	7,079.47	0.67	-0.32	0.364
25.00	-48.49	-23.80	0.00	-2,390.05	0.00	2,390.05	5,542.60	2,771.30	13,526.0	6,773.06	1.06	-0.41	0.362
30.00	-46.52	-23.42	0.00	-2,271.05	0.00	2,271.05	5,445.54	2,722.77	12,919.3	6,469.26	1.54	-0.50	0.360
35.00	-44.59	-23.03	0.00	-2,153.96	0.00	2,153.96	5,345.30	2,672.65	12,318.4	6,168.38	2.12	-0.60	0.358
40.00	-42.71	-22.64	0.00	-2,038.80	0.00	2,038.80	5,241.87	2,620.94	11,724.0	5,870.75	2.79	-0.69	0.356
45.00	-40.89	-22.41	0.00	-1,925.62	0.00	1,925.62	5,135.25	2,567.63	11,136.8	5,576.69	3.57	-0.79	0.353
45.33	-40.76	-22.22	0.00	-1,918.14	0.00	1,918.14	5,128.03	2,564.02	11,097.9	5,557.22	3.63	-0.80	0.353
50.00	-37.70	-21.89	0.00	-1,814.44	0.00	1,814.44	5,025.45	2,512.73	10,557.3	5,286.54	4.46	-0.90	0.351
52.67	-35.99	-21.67	0.00	-1,756.06	0.00	1,756.06	5,025.47	2,512.73	10,557.4	5,286.58	4.97	-0.95	0.339
55.00	-35.16	-21.38	0.00	-1,705.49	0.00	1,705.49	4,973.14	2,486.57	10,289.9	5,152.60	5.45	-1.00	0.338
60.00	-33.45	-20.96	0.00	-1,598.60	0.00	1,598.60	4,858.66	2,429.33	9,723.06	4,868.75	6.56	-1.11	0.335
65.00	-31.78	-20.55	0.00	-1,493.80	0.00	1,493.80	4,740.99	2,370.50	9,165.59	4,589.61	7.78	-1.22	0.332
70.00	-30.16	-20.13	0.00	-1,391.07	0.00	1,391.07	4,620.14	2,310.07	8,618.17	4,315.49	9.12	-1.33	0.329
75.00	-28.58	-19.73	0.00	-1,290.40	0.00	1,290.40	4,496.10	2,248.05	8,081.43	4,046.72	10.57	-1.44	0.325
80.00	-27.06	-19.32	0.00	-1,191.78	0.00	1,191.78	4,353.06	2,176.53	7,528.68	3,769.93	12.15	-1.56	0.322
85.00	-25.57	-18.92	0.00	-1,095.17	0.00	1,095.17	4,183.86	2,091.93	6,951.89	3,481.11	13.85	-1.69	0.321
90.00	-24.15	-18.63	0.00	-1,000.55	0.00	1,000.55	4,014.66	2,007.33	6,398.09	3,203.80	15.69	-1.81	0.318
92.25	-23.52	-18.44	0.00	-958.64	0.00	958.64	3,938.51	1,969.26	6,156.38	3,082.77	16.56	-1.88	0.317
95.00	-22.24	-18.20	0.00	-907.94	0.00	907.94	3,845.45	1,922.73	5,867.28	2,938.00	17.66	-1.95	0.315
97.75	-21.00	-17.99	0.00	-857.88	0.00	857.88	3,277.70	1,638.85	4,997.17	2,502.30	18.81	-2.03	0.349
100.00	-20.45	-17.73	0.00	-817.41	0.00	817.41	3,222.92	1,611.46	4,815.14	2,411.15	19.78	-2.09	0.345
105.00	-19.27	-17.36	0.00	-728.75	0.00	728.75	3,077.89	1,538.94	4,389.42	2,197.97	22.05	-2.24	0.338
110.00	-18.14	-17.01	0.00	-641.94	0.00	641.94	2,932.86	1,466.43	3,983.41	1,994.67	24.48	-2.39	0.328
115.00	-17.04	-16.66	0.00	-556.91	0.00	556.91	2,787.83	1,393.91	3,597.10	1,801.22	27.07	-2.55	0.315
120.00	-15.99	-16.32	0.00	-473.63	0.00	473.63	2,642.80	1,321.40	3,230.49	1,617.64	29.83	-2.71	0.299
125.00	-14.98	-15.99	0.00	-392.04	0.00	392.04	2,497.76	1,248.88	2,883.58	1,443.93	32.74	-2.86	0.278
130.00	-14.01	-15.69	0.00	-312.09	0.00	312.09	2,352.73	1,176.37	2,556.37	1,280.08	35.82	-3.01	0.250
134.00	-13.02	-15.51	0.00	-249.31	0.00	249.31	1,028.31	514.15	1,093.21	547.42	38.39	-3.12	0.469
135.00	-12.89	-15.43	0.00	-233.81	0.00	233.81	1,020.22	510.11	1,070.76	536.17	39.04	-3.15	0.450
137.00	-10.99	-12.59	0.00	-202.95	0.00	202.95	1,003.67	501.84	1,026.12	513.82	40.38	-3.25	0.407
140.00	-10.65	-12.38	0.00	-165.18	0.00	165.18	977.89	488.95	959.91	480.67	42.47	-3.38	0.355
145.00	-10.11	-12.18	0.00	-103.27	0.00	103.27	932.37	466.18	851.90	426.58	46.12	-3.57	0.254
147.00	-5.92	-7.35	0.00	-76.60	0.00	76.60	913.27	456.63	809.64	405.42	47.63	-3.63	0.196
150.00	-5.67	-7.15	0.00	-54.54	0.00	54.54	883.66	441.83	747.38	374.24	49.93	-3.71	0.152
155.00	-5.29	-6.97	0.00	-18.78	0.00	18.78	831.77	415.88	647.00	323.98	53.86	-3.79	0.065
157.00	0.00	-6.60	0.00	-4.84	0.00	4.84	809.65	404.83	607.80	304.35	55.45	-3.80	0.016

Load Case: 0.9D + 1.6W — 95 mph with No Ice (Reduced DL) — 21 Iterations

Gust Response Factor : 1.10
Dead Load Factor : 0.90
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		249.8	0.0					0.0	0.0	249.8	0.0	0.0	0.0
5.00		493.5	1,419.1					0.0	209.4	493.5	1,628.5	0.0	0.0
10.00		481.3	1,384.2					0.0	209.4	481.3	1,593.7	0.0	0.0
15.00		469.1	1,349.4					0.0	209.4	469.1	1,558.8	0.0	0.0
20.00		456.9	1,314.5					0.0	209.4	456.9	1,523.9	0.0	0.0
25.00		444.7	1,279.6					0.0	209.4	444.7	1,489.0	0.0	0.0
30.00		439.5	1,244.7					0.0	209.4	439.5	1,454.2	0.0	0.0
35.00		442.8	1,209.9					0.0	209.4	442.8	1,419.3	0.0	0.0
40.00		446.3	1,175.0					0.0	209.4	446.3	1,384.4	0.0	0.0
45.00		238.6	1,140.1					0.0	209.4	238.6	1,349.5	0.0	0.0
45.33	Bot - Section 2	227.3	74.8					0.0	14.0	227.3	88.7	0.0	0.0
50.00		333.4	2,078.3					0.0	195.4	333.4	2,273.8	0.0	0.0
52.67	Top - Section 1	226.7	1,160.3					0.0	111.7	226.7	1,272.0	0.0	0.0
55.00		330.9	503.9					0.0	97.7	330.9	601.6	0.0	0.0
60.00		448.3	1,054.1					0.0	209.4	448.3	1,263.5	0.0	0.0
65.00		443.2	1,019.2					0.0	209.4	443.2	1,228.6	0.0	0.0
70.00		437.0	984.4					0.0	209.4	437.0	1,193.8	0.0	0.0
75.00		429.6	949.5					0.0	209.4	429.6	1,158.9	0.0	0.0
80.00		421.3	914.6					0.0	209.4	421.3	1,124.0	0.0	0.0
85.00		412.1	879.7					0.0	209.4	412.1	1,089.2	0.0	0.0
90.00		293.6	844.9					0.0	209.4	293.6	1,054.3	0.0	0.0
92.25	Bot - Section 3	200.5	368.8					0.0	94.2	200.5	463.0	0.0	0.0
95.00		219.5	827.5					0.0	115.2	219.5	942.7	0.0	0.0
97.75	Top - Section 2	196.7	807.9					0.0	115.2	196.7	923.1	0.0	0.0
100.00		278.7	301.9					0.0	94.2	278.7	396.2	0.0	0.0
105.00		375.5	649.3					0.0	209.4	375.5	858.7	0.0	0.0
110.00		362.7	619.4					0.0	209.4	362.7	828.8	0.0	0.0
115.00		349.4	589.5					0.0	209.4	349.4	798.9	0.0	0.0
120.00		335.4	559.6					0.0	209.4	335.4	769.0	0.0	0.0
125.00		320.9	529.7					0.0	209.4	320.9	739.2	0.0	0.0
130.00	Bot - Section 4	278.4	499.9					0.0	209.4	278.4	709.3	0.0	0.0
134.00	Top - Section 3	151.3	571.6					0.0	167.5	151.3	739.2	0.0	0.0
135.00		88.0	46.8					0.0	41.9	88.0	88.7	0.0	0.0
137.00	Appertunance(s)	143.4	91.9	2,607.6	0.0	0.0	1,341.1	0.0	83.8	2,751.1	1,516.7	0.0	0.0
140.00		220.5	133.3					0.0	108.8	220.5	242.1	0.0	0.0
145.00		187.2	210.2					0.0	181.3	187.2	391.5	0.0	0.0
147.00	Appertunance(s)	127.0	79.9	4,438.4	0.0	2,302.8	3,209.6	0.0	72.5	4,565.4	3,362.0	0.0	0.0
150.00		193.7	115.4					0.0	69.5	193.7	184.9	0.0	0.0
155.00		163.5	180.3					0.0	115.8	163.5	296.1	0.0	0.0
157.00	Appertunance(s)	45.0	67.9	6,557.5	0.0	4,842.6	4,187.7	0.0	46.3	6,602.5	4,302.0	0.0	0.0
								Totals:		26,006.8	44,301.8	0.00	0.00

Load Case: 0.9D + 1.6W — 95 mph with No Ice (Reduced DL) — 21 Iterations

Gust Response Factor : 1.10
Dead Load Factor : 0.90
Wind Load Factor : 1.60
Wind Importance Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-44.28	-25.79	0.00	-2,990.18	0.00	2,990.18	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.367
5.00	-42.62	-25.35	0.00	-2,861.25	0.00	2,861.25	5,898.95	2,949.47	15,998.2	8,011.02	0.04	-0.08	0.364
10.00	-40.99	-24.92	0.00	-2,734.50	0.00	2,734.50	5,814.64	2,907.32	15,374.6	7,698.77	0.17	-0.16	0.362
15.00	-39.40	-24.51	0.00	-2,609.89	0.00	2,609.89	5,727.15	2,863.57	14,754.3	7,388.14	0.37	-0.24	0.360
20.00	-37.84	-24.10	0.00	-2,487.36	0.00	2,487.36	5,636.47	2,818.23	14,137.9	7,079.47	0.67	-0.32	0.358
25.00	-36.32	-23.70	0.00	-2,366.87	0.00	2,366.87	5,542.60	2,771.30	13,526.0	6,773.06	1.05	-0.41	0.356
30.00	-34.83	-23.30	0.00	-2,248.38	0.00	2,248.38	5,445.54	2,722.77	12,919.3	6,469.26	1.53	-0.50	0.354
35.00	-33.38	-22.90	0.00	-2,131.86	0.00	2,131.86	5,345.30	2,672.65	12,318.4	6,168.38	2.10	-0.59	0.352
40.00	-31.96	-22.49	0.00	-2,017.35	0.00	2,017.35	5,241.87	2,620.94	11,724.0	5,870.75	2.77	-0.69	0.350
45.00	-30.60	-22.27	0.00	-1,904.88	0.00	1,904.88	5,135.25	2,567.63	11,136.8	5,576.69	3.54	-0.78	0.348
45.33	-30.49	-22.07	0.00	-1,897.46	0.00	1,897.46	5,128.03	2,564.02	11,097.9	5,557.22	3.59	-0.79	0.347
50.00	-28.19	-21.74	0.00	-1,794.49	0.00	1,794.49	5,025.45	2,512.73	10,557.3	5,286.54	4.42	-0.89	0.345
52.67	-26.91	-21.51	0.00	-1,736.53	0.00	1,736.53	5,025.47	2,512.73	10,557.4	5,286.58	4.93	-0.94	0.334
55.00	-26.28	-21.21	0.00	-1,686.33	0.00	1,686.33	4,973.14	2,486.57	10,289.9	5,152.60	5.40	-0.99	0.333
60.00	-24.99	-20.78	0.00	-1,580.28	0.00	1,580.28	4,858.66	2,429.33	9,723.06	4,868.75	6.50	-1.10	0.330
65.00	-23.73	-20.36	0.00	-1,476.37	0.00	1,476.37	4,740.99	2,370.50	9,165.59	4,589.61	7.71	-1.20	0.327
70.00	-22.51	-19.94	0.00	-1,374.56	0.00	1,374.56	4,620.14	2,310.07	8,618.17	4,315.49	9.03	-1.32	0.323
75.00	-21.32	-19.53	0.00	-1,274.85	0.00	1,274.85	4,496.10	2,248.05	8,081.43	4,046.72	10.47	-1.43	0.320
80.00	-20.17	-19.12	0.00	-1,177.21	0.00	1,177.21	4,353.06	2,176.53	7,528.68	3,769.93	12.03	-1.55	0.317
85.00	-19.05	-18.72	0.00	-1,081.61	0.00	1,081.61	4,183.86	2,091.93	6,951.89	3,481.11	13.72	-1.67	0.315
90.00	-17.97	-18.42	0.00	-988.02	0.00	988.02	4,014.66	2,007.33	6,398.09	3,203.80	15.53	-1.80	0.313
92.25	-17.50	-18.23	0.00	-946.57	0.00	946.57	3,938.51	1,969.26	6,156.38	3,082.77	16.39	-1.86	0.312
95.00	-16.54	-18.00	0.00	-896.45	0.00	896.45	3,845.45	1,922.73	5,867.28	2,938.00	17.48	-1.93	0.310
97.75	-15.60	-17.79	0.00	-846.95	0.00	846.95	3,277.70	1,638.85	4,997.17	2,502.30	18.62	-2.00	0.343
100.00	-15.18	-17.52	0.00	-806.93	0.00	806.93	3,222.92	1,611.46	4,815.14	2,411.15	19.58	-2.07	0.339
105.00	-14.29	-17.16	0.00	-719.30	0.00	719.30	3,077.89	1,538.94	4,389.42	2,197.97	21.82	-2.22	0.332
110.00	-13.43	-16.80	0.00	-633.53	0.00	633.53	2,932.86	1,466.43	3,983.41	1,994.67	24.22	-2.37	0.322
115.00	-12.61	-16.45	0.00	-549.55	0.00	549.55	2,787.83	1,393.91	3,597.10	1,801.22	26.79	-2.52	0.310
120.00	-11.81	-16.11	0.00	-467.32	0.00	467.32	2,642.80	1,321.40	3,230.49	1,617.64	29.51	-2.67	0.294
125.00	-11.05	-15.78	0.00	-386.78	0.00	386.78	2,497.76	1,248.88	2,883.58	1,443.93	32.39	-2.83	0.272
130.00	-10.32	-15.49	0.00	-307.88	0.00	307.88	2,352.73	1,176.37	2,556.37	1,280.08	35.43	-2.97	0.245
134.00	-9.57	-15.31	0.00	-245.92	0.00	245.92	1,028.31	514.15	1,093.21	547.42	37.97	-3.08	0.459
135.00	-9.47	-15.23	0.00	-230.61	0.00	230.61	1,020.22	510.11	1,070.76	536.17	38.62	-3.11	0.440
137.00	-8.08	-12.42	0.00	-200.15	0.00	200.15	1,003.67	501.84	1,026.12	513.82	39.94	-3.21	0.398
140.00	-7.82	-12.20	0.00	-162.91	0.00	162.91	977.89	488.95	959.91	480.67	42.01	-3.34	0.348
145.00	-7.41	-12.01	0.00	-101.89	0.00	101.89	932.37	466.18	851.90	426.58	45.61	-3.53	0.247
147.00	-4.33	-7.25	0.00	-75.57	0.00	75.57	913.27	456.63	809.64	405.42	47.10	-3.59	0.191
150.00	-4.15	-7.05	0.00	-53.83	0.00	53.83	883.66	441.83	747.38	374.24	49.38	-3.66	0.149
155.00	-3.86	-6.87	0.00	-18.58	0.00	18.58	831.77	415.88	647.00	323.98	53.26	-3.74	0.062
157.00	0.00	-6.60	0.00	-4.84	0.00	4.84	809.65	404.83	607.80	304.35	54.83	-3.75	0.016

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 0.75 in Radial Ice — 21 Iterations

Gust Response Factor : 1.10 | Ice Dead Load Factor : 1.00 | Wind Importance Factor : 1.00
Dead Load Factor : 1.20 | Ice Importance Factor : 1.00
Wind Load Factor : 1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		82.6	0.0					0.0	0.0	82.6	0.0	0.0	0.0
5.00		163.6	2,399.4					0.0	279.2	163.6	2,678.6	0.0	0.0
10.00		160.1	2,387.4					0.0	279.2	160.1	2,666.6	0.0	0.0
15.00		156.5	2,353.0					0.0	279.2	156.5	2,632.2	0.0	0.0
20.00		152.7	2,310.1					0.0	279.2	152.7	2,589.3	0.0	0.0
25.00		149.0	2,262.5					0.0	279.2	149.0	2,541.7	0.0	0.0
30.00		147.6	2,211.9					0.0	279.2	147.6	2,491.1	0.0	0.0
35.00		149.0	2,159.2					0.0	279.2	149.0	2,438.4	0.0	0.0
40.00		150.5	2,104.9					0.0	279.2	150.5	2,384.1	0.0	0.0
45.00		80.6	2,049.3					0.0	279.2	80.6	2,328.5	0.0	0.0
45.33	Bot - Section 2	76.8	135.1					0.0	18.6	76.8	153.7	0.0	0.0
50.00		112.8	3,263.7					0.0	260.6	112.8	3,524.3	0.0	0.0
52.67	Top - Section 1	76.8	1,826.1					0.0	148.9	76.8	1,975.1	0.0	0.0
55.00		112.3	913.6					0.0	130.3	112.3	1,043.9	0.0	0.0
60.00		152.4	1,910.7					0.0	279.2	152.4	2,189.9	0.0	0.0
65.00		151.1	1,852.1					0.0	279.2	151.1	2,131.3	0.0	0.0
70.00		149.4	1,792.8					0.0	279.2	149.4	2,072.1	0.0	0.0
75.00		147.3	1,733.2					0.0	279.2	147.3	2,012.4	0.0	0.0
80.00		144.9	1,673.0					0.0	279.2	144.9	1,952.2	0.0	0.0
85.00		142.2	1,612.5					0.0	279.2	142.2	1,891.7	0.0	0.0
90.00		101.5	1,551.7					0.0	279.2	101.5	1,830.9	0.0	0.0
92.25	Bot - Section 3	69.5	680.4					0.0	125.6	69.5	806.1	0.0	0.0
95.00		76.2	1,333.7					0.0	153.6	76.2	1,487.3	0.0	0.0
97.75	Top - Section 2	68.4	1,303.1					0.0	153.6	68.4	1,456.6	0.0	0.0
100.00		97.2	584.4					0.0	125.6	97.2	710.0	0.0	0.0
105.00		131.3	1,254.0					0.0	279.2	131.3	1,533.2	0.0	0.0
110.00		127.5	1,198.7					0.0	279.2	127.5	1,477.9	0.0	0.0
115.00		123.4	1,143.1					0.0	279.2	123.4	1,422.3	0.0	0.0
120.00		119.1	1,087.4					0.0	279.2	119.1	1,366.6	0.0	0.0
125.00		114.7	1,031.4					0.0	279.2	114.7	1,310.6	0.0	0.0
130.00	Bot - Section 4	100.0	975.3					0.0	279.2	100.0	1,254.5	0.0	0.0
134.00	Top - Section 3	54.5	1,002.0					0.0	223.4	54.5	1,225.4	0.0	0.0
135.00		31.9	121.8					0.0	55.8	31.9	177.6	0.0	0.0
137.00	Appertunance(s)	52.1	238.5	605.1	0.0	0.0	4,132.4	0.0	111.7	657.3	4,482.6	0.0	0.0
140.00		80.6	345.7					0.0	145.1	80.6	490.8	0.0	0.0
145.00		68.8	543.2					0.0	241.8	68.8	785.0	0.0	0.0
147.00	Appertunance(s)	47.1	209.1	983.4	0.0	577.3	9,530.3	0.0	96.7	1,030.4	9,836.2	0.0	0.0
150.00		72.3	301.5					0.0	92.6	72.3	394.2	0.0	0.0
155.00		61.4	469.3					0.0	154.4	61.4	623.7	0.0	0.0
157.00	Appertunance(s)	17.0	179.5	1,491.8	0.0	1,138.7	12,653.4	0.0	61.8	1,508.8	12,894.7	0.0	0.0
								Totals:		7,352.96	87,263.2	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 0.75 in Radial Ice — 21 Iterations

Gust Response Factor : 1.10 | Ice Dead Load Factor : 1.00 | Wind Importance Factor : 1.00
Dead Load Factor : 1.20 | Ice Importance Factor : 1.00
Wind Load Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-87.26	-7.29	0.00	-815.70	0.00	815.70	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.113
5.00	-84.58	-7.15	0.00	-779.27	0.00	779.27	5,898.95	2,949.47	15,998.2	8,011.02	0.01	-0.02	0.112
10.00	-81.91	-7.02	0.00	-743.50	0.00	743.50	5,814.64	2,907.32	15,374.6	7,698.77	0.05	-0.04	0.111
15.00	-79.28	-6.90	0.00	-708.38	0.00	708.38	5,727.15	2,863.57	14,754.3	7,388.14	0.10	-0.06	0.110
20.00	-76.68	-6.77	0.00	-673.91	0.00	673.91	5,636.47	2,818.23	14,137.9	7,079.47	0.18	-0.09	0.109
25.00	-74.14	-6.65	0.00	-640.06	0.00	640.06	5,542.60	2,771.30	13,526.0	6,773.06	0.29	-0.11	0.108
30.00	-71.65	-6.53	0.00	-606.82	0.00	606.82	5,445.54	2,722.77	12,919.3	6,469.26	0.42	-0.14	0.107
35.00	-69.21	-6.40	0.00	-574.19	0.00	574.19	5,345.30	2,672.65	12,318.4	6,168.38	0.57	-0.16	0.106
40.00	-66.82	-6.27	0.00	-542.19	0.00	542.19	5,241.87	2,620.94	11,724.0	5,870.75	0.75	-0.19	0.105
45.00	-64.49	-6.20	0.00	-510.82	0.00	510.82	5,135.25	2,567.63	11,136.8	5,576.69	0.96	-0.21	0.104
45.33	-64.33	-6.14	0.00	-508.76	0.00	508.76	5,128.03	2,564.02	11,097.9	5,557.22	0.98	-0.21	0.104
50.00	-60.81	-6.03	0.00	-480.11	0.00	480.11	5,025.45	2,512.73	10,557.3	5,286.54	1.20	-0.24	0.103
52.67	-58.83	-5.96	0.00	-464.02	0.00	464.02	5,025.47	2,512.73	10,557.4	5,286.58	1.34	-0.25	0.099
55.00	-57.79	-5.87	0.00	-450.11	0.00	450.11	4,973.14	2,486.57	10,289.9	5,152.60	1.46	-0.27	0.099
60.00	-55.60	-5.73	0.00	-420.77	0.00	420.77	4,858.66	2,429.33	9,723.06	4,868.75	1.76	-0.30	0.098
65.00	-53.46	-5.60	0.00	-392.12	0.00	392.12	4,740.99	2,370.50	9,165.59	4,589.61	2.09	-0.32	0.097
70.00	-51.39	-5.46	0.00	-364.15	0.00	364.15	4,620.14	2,310.07	8,618.17	4,315.49	2.44	-0.35	0.096
75.00	-49.37	-5.33	0.00	-336.85	0.00	336.85	4,496.10	2,248.05	8,081.43	4,046.72	2.83	-0.38	0.094
80.00	-47.42	-5.19	0.00	-310.21	0.00	310.21	4,353.06	2,176.53	7,528.68	3,769.93	3.25	-0.42	0.093
85.00	-45.53	-5.06	0.00	-284.24	0.00	284.24	4,183.86	2,091.93	6,951.89	3,481.11	3.70	-0.45	0.093
90.00	-43.69	-4.97	0.00	-258.93	0.00	258.93	4,014.66	2,007.33	6,398.09	3,203.80	4.18	-0.48	0.092
92.25	-42.89	-4.90	0.00	-247.76	0.00	247.76	3,938.51	1,969.26	6,156.38	3,082.77	4.42	-0.50	0.091
95.00	-41.40	-4.83	0.00	-234.27	0.00	234.27	3,845.45	1,922.73	5,867.28	2,938.00	4.71	-0.52	0.091
97.75	-39.94	-4.76	0.00	-221.00	0.00	221.00	3,277.70	1,638.85	4,997.17	2,502.30	5.01	-0.53	0.101
100.00	-39.23	-4.67	0.00	-210.29	0.00	210.29	3,222.92	1,611.46	4,815.14	2,411.15	5.27	-0.55	0.099
105.00	-37.70	-4.55	0.00	-186.93	0.00	186.93	3,077.89	1,538.94	4,389.42	2,197.97	5.86	-0.59	0.097
110.00	-36.22	-4.43	0.00	-164.17	0.00	164.17	2,932.86	1,466.43	3,983.41	1,994.67	6.50	-0.63	0.095
115.00	-34.79	-4.32	0.00	-142.00	0.00	142.00	2,787.83	1,393.91	3,597.10	1,801.22	7.18	-0.67	0.091
120.00	-33.42	-4.21	0.00	-120.41	0.00	120.41	2,642.80	1,321.40	3,230.49	1,617.64	7.91	-0.71	0.087
125.00	-32.11	-4.10	0.00	-99.38	0.00	99.38	2,497.76	1,248.88	2,883.58	1,443.93	8.67	-0.75	0.082
130.00	-30.86	-4.00	0.00	-78.89	0.00	78.89	2,352.73	1,176.37	2,556.37	1,280.08	9.47	-0.78	0.075
134.00	-29.63	-3.93	0.00	-62.91	0.00	62.91	1,028.31	514.15	1,093.21	547.42	10.14	-0.81	0.144
135.00	-29.45	-3.91	0.00	-58.97	0.00	58.97	1,020.22	510.11	1,070.76	536.17	10.31	-0.82	0.139
137.00	-24.98	-3.20	0.00	-51.16	0.00	51.16	1,003.67	501.84	1,026.12	513.82	10.66	-0.85	0.124
140.00	-24.49	-3.13	0.00	-41.56	0.00	41.56	977.89	488.95	959.91	480.67	11.21	-0.88	0.112
145.00	-23.70	-3.06	0.00	-25.91	0.00	25.91	932.37	466.18	851.90	426.58	12.16	-0.93	0.086
147.00	-13.88	-1.87	0.00	-19.22	0.00	19.22	913.27	456.63	809.64	405.42	12.55	-0.94	0.063
150.00	-13.49	-1.80	0.00	-13.59	0.00	13.59	883.66	441.83	747.38	374.24	13.15	-0.96	0.052
155.00	-12.87	-1.73	0.00	-4.60	0.00	4.60	831.77	415.88	647.00	323.98	14.16	-0.98	0.030
157.00	0.00	-1.51	0.00	-1.14	0.00	1.14	809.65	404.83	607.80	304.35	14.58	-0.98	0.004

Load Case: 1.0D + 1.0W Serviceability 60 mph 20 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00
Dead Load Factor : 1.00
Wind Load Factor : 1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		62.3	0.0					0.0	0.0	62.3	0.0	0.0	0.0
5.00		123.0	1,576.8					0.0	232.7	123.0	1,809.5	0.0	0.0
10.00		120.0	1,538.0					0.0	232.7	120.0	1,770.7	0.0	0.0
15.00		116.9	1,499.3					0.0	232.7	116.9	1,732.0	0.0	0.0
20.00		113.9	1,460.5					0.0	232.7	113.9	1,693.2	0.0	0.0
25.00		110.9	1,421.8					0.0	232.7	110.9	1,654.5	0.0	0.0
30.00		109.6	1,383.1					0.0	232.7	109.6	1,615.7	0.0	0.0
35.00		110.4	1,344.3					0.0	232.7	110.4	1,577.0	0.0	0.0
40.00		111.3	1,305.6					0.0	232.7	111.3	1,538.2	0.0	0.0
45.00		59.5	1,266.8					0.0	232.7	59.5	1,499.5	0.0	0.0
45.33	Bot - Section 2	56.7	83.1					0.0	15.5	56.7	98.6	0.0	0.0
50.00		83.1	2,309.3					0.0	217.2	83.1	2,526.4	0.0	0.0
52.67	Top - Section 1	56.5	1,289.3					0.0	124.1	56.5	1,413.4	0.0	0.0
55.00		82.5	559.8					0.0	108.6	82.5	668.4	0.0	0.0
60.00		111.8	1,171.2					0.0	232.7	111.8	1,403.9	0.0	0.0
65.00		110.5	1,132.5					0.0	232.7	110.5	1,365.2	0.0	0.0
70.00		108.9	1,093.7					0.0	232.7	108.9	1,326.4	0.0	0.0
75.00		107.1	1,055.0					0.0	232.7	107.1	1,287.7	0.0	0.0
80.00		105.0	1,016.2					0.0	232.7	105.0	1,248.9	0.0	0.0
85.00		102.7	977.5					0.0	232.7	102.7	1,210.2	0.0	0.0
90.00		73.2	938.7					0.0	232.7	73.2	1,171.4	0.0	0.0
92.25	Bot - Section 3	50.0	409.8					0.0	104.7	50.0	514.5	0.0	0.0
95.00		54.7	919.4					0.0	128.0	54.7	1,047.4	0.0	0.0
97.75	Top - Section 2	49.0	897.7					0.0	128.0	49.0	1,025.6	0.0	0.0
100.00		69.5	335.5					0.0	104.7	69.5	440.2	0.0	0.0
105.00		93.6	721.5					0.0	232.7	93.6	954.1	0.0	0.0
110.00		90.4	688.2					0.0	232.7	90.4	920.9	0.0	0.0
115.00		87.1	655.0					0.0	232.7	87.1	887.7	0.0	0.0
120.00		83.6	621.8					0.0	232.7	83.6	854.5	0.0	0.0
125.00		80.0	588.6					0.0	232.7	80.0	821.3	0.0	0.0
130.00	Bot - Section 4	69.4	555.4					0.0	232.7	69.4	788.1	0.0	0.0
134.00	Top - Section 3	37.7	635.2					0.0	186.1	37.7	821.3	0.0	0.0
135.00		21.9	52.0					0.0	46.5	21.9	98.6	0.0	0.0
137.00	Appertunance(s)	35.8	102.1	650.1	0.0	0.0	1,490.1	0.0	93.1	685.9	1,685.2	0.0	0.0
140.00		55.0	148.1					0.0	120.9	55.0	269.0	0.0	0.0
145.00		46.7	233.6					0.0	201.5	46.7	435.1	0.0	0.0
147.00	Appertunance(s)	31.7	88.8	1,106.5	0.0	574.1	3,566.2	0.0	80.6	1,138.2	3,735.6	0.0	0.0
150.00		48.3	128.2					0.0	77.2	48.3	205.4	0.0	0.0
155.00		40.8	200.4					0.0	128.7	40.8	329.0	0.0	0.0
157.00	Appertunance(s)	11.2	75.5	1,634.8	0.0	1,207.3	4,653.0	0.0	51.5	1,646.0	4,779.9	0.0	0.0
								Totals:		6,483.70	49,224.2	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 20 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00
Dead Load Factor : 1.00
Wind Load Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-49.22	-6.43	0.00	-747.71	0.00	747.71	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.098
5.00	-47.41	-6.32	0.00	-715.56	0.00	715.56	5,898.95	2,949.47	15,998.2	8,011.02	0.01	-0.02	0.097
10.00	-45.64	-6.22	0.00	-683.96	0.00	683.96	5,814.64	2,907.32	15,374.6	7,698.77	0.04	-0.04	0.097
15.00	-43.90	-6.11	0.00	-652.87	0.00	652.87	5,727.15	2,863.57	14,754.3	7,388.14	0.09	-0.06	0.096
20.00	-42.21	-6.01	0.00	-622.30	0.00	622.30	5,636.47	2,818.23	14,137.9	7,079.47	0.17	-0.08	0.095
25.00	-40.55	-5.92	0.00	-592.23	0.00	592.23	5,542.60	2,771.30	13,526.0	6,773.06	0.26	-0.10	0.095
30.00	-38.93	-5.82	0.00	-562.65	0.00	562.65	5,445.54	2,722.77	12,919.3	6,469.26	0.38	-0.12	0.094
35.00	-37.36	-5.72	0.00	-533.56	0.00	533.56	5,345.30	2,672.65	12,318.4	6,168.38	0.52	-0.15	0.093
40.00	-35.82	-5.62	0.00	-504.96	0.00	504.96	5,241.87	2,620.94	11,724.0	5,870.75	0.69	-0.17	0.093
45.00	-34.31	-5.56	0.00	-476.86	0.00	476.86	5,135.25	2,567.63	11,136.8	5,576.69	0.89	-0.20	0.092
45.33	-34.22	-5.51	0.00	-475.01	0.00	475.01	5,128.03	2,564.02	11,097.9	5,557.22	0.90	-0.20	0.092
50.00	-31.69	-5.43	0.00	-449.28	0.00	449.28	5,025.45	2,512.73	10,557.3	5,286.54	1.10	-0.22	0.091
52.67	-30.27	-5.38	0.00	-434.79	0.00	434.79	5,025.47	2,512.73	10,557.4	5,286.58	1.23	-0.24	0.088
55.00	-29.60	-5.30	0.00	-422.25	0.00	422.25	4,973.14	2,486.57	10,289.9	5,152.60	1.35	-0.25	0.088
60.00	-28.20	-5.20	0.00	-395.74	0.00	395.74	4,858.66	2,429.33	9,723.06	4,868.75	1.63	-0.27	0.087
65.00	-26.83	-5.09	0.00	-369.76	0.00	369.76	4,740.99	2,370.50	9,165.59	4,589.61	1.93	-0.30	0.086
70.00	-25.50	-4.99	0.00	-344.30	0.00	344.30	4,620.14	2,310.07	8,618.17	4,315.49	2.26	-0.33	0.085
75.00	-24.21	-4.89	0.00	-319.36	0.00	319.36	4,496.10	2,248.05	8,081.43	4,046.72	2.62	-0.36	0.084
80.00	-22.96	-4.78	0.00	-294.93	0.00	294.93	4,353.06	2,176.53	7,528.68	3,769.93	3.01	-0.39	0.084
85.00	-21.75	-4.69	0.00	-271.01	0.00	271.01	4,183.86	2,091.93	6,951.89	3,481.11	3.43	-0.42	0.083
90.00	-20.58	-4.61	0.00	-247.59	0.00	247.59	4,014.66	2,007.33	6,398.09	3,203.80	3.89	-0.45	0.082
92.25	-20.06	-4.56	0.00	-237.21	0.00	237.21	3,938.51	1,969.26	6,156.38	3,082.77	4.10	-0.46	0.082
95.00	-19.01	-4.51	0.00	-224.66	0.00	224.66	3,845.45	1,922.73	5,867.28	2,938.00	4.38	-0.48	0.081
97.75	-17.99	-4.45	0.00	-212.27	0.00	212.27	3,277.70	1,638.85	4,997.17	2,502.30	4.66	-0.50	0.090
100.00	-17.55	-4.39	0.00	-202.25	0.00	202.25	3,222.92	1,611.46	4,815.14	2,411.15	4.90	-0.52	0.089
105.00	-16.59	-4.30	0.00	-180.31	0.00	180.31	3,077.89	1,538.94	4,389.42	2,197.97	5.46	-0.55	0.087
110.00	-15.67	-4.21	0.00	-158.83	0.00	158.83	2,932.86	1,466.43	3,983.41	1,994.67	6.06	-0.59	0.085
115.00	-14.78	-4.12	0.00	-137.79	0.00	137.79	2,787.83	1,393.91	3,597.10	1,801.22	6.71	-0.63	0.082
120.00	-13.92	-4.04	0.00	-117.18	0.00	117.18	2,642.80	1,321.40	3,230.49	1,617.64	7.39	-0.67	0.078
125.00	-13.10	-3.96	0.00	-97.00	0.00	97.00	2,497.76	1,248.88	2,883.58	1,443.93	8.11	-0.71	0.072
130.00	-12.31	-3.88	0.00	-77.22	0.00	77.22	2,352.73	1,176.37	2,556.37	1,280.08	8.87	-0.74	0.066
134.00	-11.49	-3.84	0.00	-61.69	0.00	61.69	1,028.31	514.15	1,093.21	547.42	9.51	-0.77	0.124
135.00	-11.39	-3.82	0.00	-57.85	0.00	57.85	1,020.22	510.11	1,070.76	536.17	9.67	-0.78	0.119
137.00	-9.71	-3.11	0.00	-50.21	0.00	50.21	1,003.67	501.84	1,026.12	513.82	10.00	-0.80	0.107
140.00	-9.44	-3.06	0.00	-40.87	0.00	40.87	977.89	488.95	959.91	480.67	10.52	-0.84	0.095
145.00	-9.00	-3.01	0.00	-25.56	0.00	25.56	932.37	466.18	851.90	426.58	11.42	-0.88	0.070
147.00	-5.29	-1.82	0.00	-18.96	0.00	18.96	913.27	456.63	809.64	405.42	11.80	-0.90	0.053
150.00	-5.08	-1.77	0.00	-13.50	0.00	13.50	883.66	441.83	747.38	374.24	12.37	-0.92	0.042
155.00	-4.75	-1.72	0.00	-4.66	0.00	4.66	831.77	415.88	647.00	323.98	13.34	-0.94	0.020
157.00	0.00	-1.65	0.00	-1.21	0.00	1.21	809.65	404.83	607.80	304.35	13.74	-0.94	0.004

Site Number:	**CT54XC773**	**Code: ANSI/TIA-222-G**	
Site Name:	**Hamden, CT**	**Engineering Number: REV10**	**7/24/2020 2:50:59 PM**
Customer:	**Sprint Sites USA - GA 2**		

Equivalent Lateral Forces Method Analysis

(Based on ASCE7-10 Chapters 11, 12, 15)

Spectral Response Acceleration for Short Period (S_s):	**0.19**	
Spectral Response Acceleration at 1.0 Second Period (S_1):	**0.06**	
Long-Period Transition Period (T_L):	**6**	
Importance Factor (I_E):	**1.00**	
Site Coefficient F_a:	**1.60**	
Site Coeffiecient F_v:	**2.40**	
Response Modification Coefficient (R):	**1.50**	
Design Spectral Response Acceleration at Short Period (S_{ds}):	**0.20**	
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	**0.10**	
Seismic Response Coefficient (C_s):	**0.03**	
Upper Limit C_s	**0.03**	
Lower Limit C_s	**0.03**	
Period based on Rayleigh Method (sec):	**2.02**	
Redundancy Factor (p):	**1.30**	
Seismic Force Distribution Exponent (k):	**1.76**	
Total Unfactored Dead Load:	**49.22**	**k**
Seismic Base Shear (E):	**2.13**	**k**

Load Case (1.2 + 0.2Sds) * DL + E ELFM — **Seismic Equivalent Lateral Forces Method**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
39	156.00	127	927	0.007	14	157
38	152.50	329	2,309	0.017	35	408
37	148.50	205	1,375	0.010	21	255
36	146.00	169	1,101	0.008	17	210
35	142.50	435	2,709	0.019	41	539
34	138.50	269	1,593	0.011	24	333
33	136.00	195	1,119	0.008	17	242
32	134.50	99	554	0.004	8	122
31	132.00	821	4,469	0.032	68	1,018
30	127.50	788	4,034	0.029	61	977
29	122.50	821	3,918	0.028	60	1,018
28	117.50	854	3,788	0.027	58	1,059
27	112.50	888	3,645	0.026	55	1,100
26	107.50	921	3,490	0.025	53	1,142
25	102.50	954	3,325	0.024	51	1,183
24	98.88	440	1,440	0.010	22	546
23	96.38	1,026	3,207	0.023	49	1,271
22	93.63	1,047	3,112	0.022	47	1,298
21	91.13	514	1,457	0.010	22	638
20	87.50	1,171	3,089	0.022	47	1,452
19	82.50	1,210	2,877	0.021	44	1,500
18	77.50	1,249	2,660	0.019	40	1,548
17	72.50	1,288	2,438	0.017	37	1,596

16	67.50	1,326	2,214	0.016	34	1,644
15	62.50	1,365	1,990	0.014	30	1,692
14	57.50	1,404	1,767	0.013	27	1,740
13	53.83	668	749	0.005	11	829
12	51.33	1,413	1,457	0.010	22	1,752
11	47.67	2,526	2,285	0.016	35	3,132
10	45.17	99	81	0.001	1	122
9	42.50	1,499	1,108	0.008	17	1,859
8	37.50	1,538	912	0.007	14	1,907
7	32.50	1,577	726	0.005	11	1,955
6	27.50	1,616	555	0.004	8	2,003
5	22.50	1,654	399	0.003	6	2,051
4	17.50	1,693	262	0.002	4	2,099
3	12.50	1,732	148	0.001	2	2,147
2	7.50	1,771	62	0.000	1	2,195
1	2.50	1,809	9	0.000	0	2,243
800MHz RRH	157.00	192	1,418	0.010	22	238
TD-RRH-8X20	157.00	420	3,102	0.022	47	521
APXVTM14-C-I20	157.00	165	1,216	0.009	18	204
96" x 14" x 7" Panel	157.00	210	1,551	0.011	24	260
16" x 9" x 6" Combin	157.00	120	886	0.006	13	149
26" Microwave	157.00	180	1,329	0.010	20	223
GPS Antenna	157.00	1	7	0.000	0	1
RET Kit	157.00	9	69	0.000	1	12
ODU	157.00	22	162	0.001	2	27
1900MHz RRH	157.00	360	2,659	0.019	40	446
800 MHz Notch Filter	157.00	53	391	0.003	6	66
APXVSPP18-C-A20	157.00	171	1,263	0.009	19	212
Platform w/ Rail	157.00	2,500	18,464	0.132	281	3,099
Collar Mount	157.00	250	1,846	0.013	28	310
DB-T1-6Z-8AB-0Z	147.00	88	579	0.004	9	109
JAHH-65B-R3B	147.00	380	2,498	0.018	38	471
Platform w/Rail	147.00	2,500	16,443	0.118	250	3,099
LPA-80080/4CF	147.00	72	474	0.003	7	89
B2/B66A RRH-BRO49	147.00	253	1,666	0.012	25	314
B5/B13 RRH	147.00	211	1,388	0.010	21	262
CBC78T-DS-43-2X	147.00	62	408	0.003	6	77
AIR 21 B2A/B4P	137.00	276	1,603	0.011	24	342
AIR 21 B4A/B2P	137.00	271	1,575	0.011	24	336
T-Arms	137.00	726	4,218	0.030	64	900
LNX-6515DS-A1M	137.00	151	877	0.006	13	187
1B-twin AWS TMA	137.00	66	383	0.003	6	82
		49,224	139,838	1.000	2,125	61,022

Load Case (0.9 - 0.2Sds) * DL + E ELFM — **Seismic (Reduced DL) Equivalent Lateral Forces Method**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
39	156.00	127	927	0.007	14	109
38	152.50	329	2,309	0.017	35	283
37	148.50	205	1,375	0.010	21	177
36	146.00	169	1,101	0.008	17	146
35	142.50	435	2,709	0.019	41	374
34	138.50	269	1,593	0.011	24	231
33	136.00	195	1,119	0.008	17	168
32	134.50	99	554	0.004	8	85
31	132.00	821	4,469	0.032	68	707
30	127.50	788	4,034	0.029	61	678
29	122.50	821	3,918	0.028	60	707
28	117.50	854	3,788	0.027	58	735

27	112.50	888	3,645	0.026	55	764
26	107.50	921	3,490	0.025	53	792
25	102.50	954	3,325	0.024	51	821
24	98.88	440	1,440	0.010	22	379
23	96.38	1,026	3,207	0.023	49	882
22	93.63	1,047	3,112	0.022	47	901
21	91.13	514	1,457	0.010	22	443
20	87.50	1,171	3,089	0.022	47	1,008
19	82.50	1,210	2,877	0.021	44	1,041
18	77.50	1,249	2,660	0.019	40	1,074
17	72.50	1,288	2,438	0.017	37	1,108
16	67.50	1,326	2,214	0.016	34	1,141
15	62.50	1,365	1,990	0.014	30	1,174
14	57.50	1,404	1,767	0.013	27	1,208
13	53.83	668	749	0.005	11	575
12	51.33	1,413	1,457	0.010	22	1,216
11	47.67	2,526	2,285	0.016	35	2,174
10	45.17	99	81	0.001	1	85
9	42.50	1,499	1,108	0.008	17	1,290
8	37.50	1,538	912	0.007	14	1,323
7	32.50	1,577	726	0.005	11	1,357
6	27.50	1,616	555	0.004	8	1,390
5	22.50	1,654	399	0.003	6	1,423
4	17.50	1,693	262	0.002	4	1,457
3	12.50	1,732	148	0.001	2	1,490
2	7.50	1,771	62	0.000	1	1,523
1	2.50	1,809	9	0.000	0	1,557
800MHz RRH	157.00	192	1,418	0.010	22	165
TD-RRH-8X20	157.00	420	3,102	0.022	47	361
APXVTM14-C-I20	157.00	165	1,216	0.009	18	142
96" x 14" x 7" Panel	157.00	210	1,551	0.011	24	181
16" x 9" x 6" Combin	157.00	120	886	0.006	13	103
26" Microwave	157.00	180	1,329	0.010	20	155
GPS Antenna	157.00	1	7	0.000	0	1
RET Kit	157.00	9	69	0.000	1	8
ODU	157.00	22	162	0.001	2	19
1900MHz RRH	157.00	360	2,659	0.019	40	310
800 MHz Notch Filter	157.00	53	391	0.003	6	46
APXVSPP18-C-A20	157.00	171	1,263	0.009	19	147
Platform w/ Rail	157.00	2,500	18,464	0.132	281	2,151
Collar Mount	157.00	250	1,846	0.013	28	215
DB-T1-6Z-8AB-0Z	147.00	88	579	0.004	9	76
JAHH-65B-R3B	147.00	380	2,498	0.018	38	327
Platform w/Rail	147.00	2,500	16,443	0.118	250	2,151
LPA-80080/4CF	147.00	72	474	0.003	7	62
B2/B66A RRH-BRO49	147.00	253	1,666	0.012	25	218
B5/B13 RRH	147.00	211	1,388	0.010	21	182
CBC78T-DS-43-2X	147.00	62	408	0.003	6	53
AIR 21 B2A/B4P	137.00	276	1,603	0.011	24	237
AIR 21 B4A/B2P	137.00	271	1,575	0.011	24	233
T-Arms	137.00	726	4,218	0.030	64	625
LNX-6515DS-A1M	137.00	151	877	0.006	13	130
1B-twin AWS TMA	137.00	66	383	0.003	6	57
		49,224	139,838	1.000	2,125	42,349

Load Case (1.2 + 0.2Sds) * DL + E ELFM **Seismic Equivalent Lateral Forces Method**

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-58.78	-2.13	0.00	-270.03	0.00	270.03	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.042
5.00	-56.58	-2.13	0.00	-259.39	0.00	259.39	5,898.95	2,949.47	15,998.2	8,011.02	0.00	-0.01	0.042
10.00	-54.44	-2.14	0.00	-248.72	0.00	248.72	5,814.64	2,907.32	15,374.6	7,698.77	0.01	-0.01	0.042
15.00	-52.34	-2.14	0.00	-238.02	0.00	238.02	5,727.15	2,863.57	14,754.3	7,388.14	0.03	-0.02	0.041
20.00	-50.29	-2.14	0.00	-227.32	0.00	227.32	5,636.47	2,818.23	14,137.9	7,079.47	0.06	-0.03	0.041
25.00	-48.28	-2.14	0.00	-216.61	0.00	216.61	5,542.60	2,771.30	13,526.0	6,773.06	0.10	-0.04	0.041
30.00	-46.33	-2.13	0.00	-205.92	0.00	205.92	5,445.54	2,722.77	12,919.3	6,469.26	0.14	-0.05	0.040
35.00	-44.42	-2.12	0.00	-195.26	0.00	195.26	5,345.30	2,672.65	12,318.4	6,168.38	0.19	-0.05	0.040
40.00	-42.56	-2.11	0.00	-184.64	0.00	184.64	5,241.87	2,620.94	11,724.0	5,870.75	0.25	-0.06	0.040
45.00	-42.44	-2.11	0.00	-174.09	0.00	174.09	5,135.25	2,567.63	11,136.8	5,576.69	0.32	-0.07	0.039
45.33	-39.31	-2.08	0.00	-173.38	0.00	173.38	5,128.03	2,564.02	11,097.9	5,557.22	0.33	-0.07	0.039
50.00	-37.55	-2.06	0.00	-163.69	0.00	163.69	5,025.45	2,512.73	10,557.3	5,286.54	0.40	-0.08	0.038
52.67	-36.73	-2.05	0.00	-158.20	0.00	158.20	5,025.47	2,512.73	10,557.4	5,286.58	0.45	-0.09	0.037
55.00	-34.98	-2.02	0.00	-153.42	0.00	153.42	4,973.14	2,486.57	10,289.9	5,152.60	0.49	-0.09	0.037
60.00	-33.29	-2.00	0.00	-143.30	0.00	143.30	4,858.66	2,429.33	9,723.06	4,868.75	0.59	-0.10	0.036
65.00	-31.65	-1.96	0.00	-133.32	0.00	133.32	4,740.99	2,370.50	9,165.59	4,589.61	0.70	-0.11	0.036
70.00	-30.05	-1.93	0.00	-123.50	0.00	123.50	4,620.14	2,310.07	8,618.17	4,315.49	0.82	-0.12	0.035
75.00	-28.50	-1.89	0.00	-113.85	0.00	113.85	4,496.10	2,248.05	8,081.43	4,046.72	0.95	-0.13	0.034
80.00	-27.00	-1.85	0.00	-104.39	0.00	104.39	4,353.06	2,176.53	7,528.68	3,769.93	1.10	-0.14	0.034
85.00	-25.55	-1.80	0.00	-95.15	0.00	95.15	4,183.86	2,091.93	6,951.89	3,481.11	1.25	-0.15	0.033
90.00	-24.91	-1.78	0.00	-86.13	0.00	86.13	4,014.66	2,007.33	6,398.09	3,203.80	1.41	-0.16	0.033
92.25	-23.61	-1.73	0.00	-82.12	0.00	82.12	3,938.51	1,969.26	6,156.38	3,082.77	1.49	-0.17	0.033
95.00	-22.34	-1.68	0.00	-77.35	0.00	77.35	3,845.45	1,922.73	5,867.28	2,938.00	1.59	-0.17	0.032
97.75	-21.80	-1.66	0.00	-72.72	0.00	72.72	3,277.70	1,638.85	4,997.17	2,502.30	1.69	-0.18	0.036
100.00	-20.61	-1.61	0.00	-68.98	0.00	68.98	3,222.92	1,611.46	4,815.14	2,411.15	1.78	-0.19	0.035
105.00	-19.47	-1.56	0.00	-60.92	0.00	60.92	3,077.89	1,538.94	4,389.42	2,197.97	1.98	-0.20	0.034
110.00	-18.37	-1.50	0.00	-53.13	0.00	53.13	2,932.86	1,466.43	3,983.41	1,994.67	2.19	-0.21	0.033
115.00	-17.31	-1.45	0.00	-45.61	0.00	45.61	2,787.83	1,393.91	3,597.10	1,801.22	2.42	-0.22	0.032
120.00	-16.29	-1.39	0.00	-38.38	0.00	38.38	2,642.80	1,321.40	3,230.49	1,617.64	2.66	-0.24	0.030
125.00	-15.32	-1.32	0.00	-31.45	0.00	31.45	2,497.76	1,248.88	2,883.58	1,443.93	2.92	-0.25	0.028
130.00	-14.30	-1.25	0.00	-24.83	0.00	24.83	2,352.73	1,176.37	2,556.37	1,280.08	3.19	-0.26	0.025
134.00	-14.18	-1.25	0.00	-19.81	0.00	19.81	1,028.31	514.15	1,093.21	547.42	3.41	-0.27	0.050
135.00	-13.93	-1.23	0.00	-18.56	0.00	18.56	1,020.22	510.11	1,070.76	536.17	3.47	-0.27	0.048
137.00	-11.75	-1.07	0.00	-16.10	0.00	16.10	1,003.67	501.84	1,026.12	513.82	3.58	-0.28	0.043
140.00	-11.21	-1.02	0.00	-12.91	0.00	12.91	977.89	488.95	959.91	480.67	3.76	-0.29	0.038
145.00	-11.00	-1.01	0.00	-7.79	0.00	7.79	932.37	466.18	851.90	426.58	4.07	-0.31	0.030
147.00	-6.33	-0.61	0.00	-5.77	0.00	5.77	913.27	456.63	809.64	405.42	4.20	-0.31	0.021
150.00	-5.92	-0.57	0.00	-3.96	0.00	3.96	883.66	441.83	747.38	374.24	4.40	-0.32	0.017
155.00	-5.77	-0.55	0.00	-1.11	0.00	1.11	831.77	415.88	647.00	323.98	4.73	-0.32	0.010
157.00	0.00	-0.52	0.00	0.00	0.00	0.00	809.65	404.83	607.80	304.35	4.87	-0.32	0.000

Load Case (0.9 - 0.2Sds) * DL + E ELFM **Seismic (Reduced DL) Equivalent Lateral Forces Method**

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-40.79	-2.13	0.00	-267.43	0.00	267.43	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.039
5.00	-39.27	-2.13	0.00	-256.80	0.00	256.80	5,898.95	2,949.47	15,998.2	8,011.02	0.00	-0.01	0.039
10.00	-37.78	-2.13	0.00	-246.14	0.00	246.14	5,814.64	2,907.32	15,374.6	7,698.77	0.01	-0.01	0.038
15.00	-36.32	-2.13	0.00	-235.48	0.00	235.48	5,727.15	2,863.57	14,754.3	7,388.14	0.03	-0.02	0.038
20.00	-34.90	-2.13	0.00	-224.81	0.00	224.81	5,636.47	2,818.23	14,137.9	7,079.47	0.06	-0.03	0.038
25.00	-33.51	-2.13	0.00	-214.15	0.00	214.15	5,542.60	2,771.30	13,526.0	6,773.06	0.09	-0.04	0.038
30.00	-32.15	-2.12	0.00	-203.51	0.00	203.51	5,445.54	2,722.77	12,919.3	6,469.26	0.14	-0.04	0.037
35.00	-30.83	-2.11	0.00	-192.91	0.00	192.91	5,345.30	2,672.65	12,318.4	6,168.38	0.19	-0.05	0.037
40.00	-29.54	-2.10	0.00	-182.37	0.00	182.37	5,241.87	2,620.94	11,724.0	5,870.75	0.25	-0.06	0.037
45.00	-29.45	-2.10	0.00	-171.89	0.00	171.89	5,135.25	2,567.63	11,136.8	5,576.69	0.32	-0.07	0.037
45.33	-27.28	-2.06	0.00	-171.19	0.00	171.19	5,128.03	2,564.02	11,097.9	5,557.22	0.32	-0.07	0.036
50.00	-26.06	-2.04	0.00	-161.57	0.00	161.57	5,025.45	2,512.73	10,557.3	5,286.54	0.40	-0.08	0.036
52.67	-25.49	-2.03	0.00	-156.13	0.00	156.13	5,025.47	2,512.73	10,557.4	5,286.58	0.44	-0.09	0.035
55.00	-24.28	-2.01	0.00	-151.39	0.00	151.39	4,973.14	2,486.57	10,289.9	5,152.60	0.49	-0.09	0.034
60.00	-23.10	-1.98	0.00	-141.36	0.00	141.36	4,858.66	2,429.33	9,723.06	4,868.75	0.59	-0.10	0.034
65.00	-21.96	-1.94	0.00	-131.48	0.00	131.48	4,740.99	2,370.50	9,165.59	4,589.61	0.69	-0.11	0.033
70.00	-20.85	-1.91	0.00	-121.76	0.00	121.76	4,620.14	2,310.07	8,618.17	4,315.49	0.81	-0.12	0.033
75.00	-19.78	-1.87	0.00	-112.21	0.00	112.21	4,496.10	2,248.05	8,081.43	4,046.72	0.94	-0.13	0.032
80.00	-18.74	-1.83	0.00	-102.86	0.00	102.86	4,353.06	2,176.53	7,528.68	3,769.93	1.08	-0.14	0.032
85.00	-17.73	-1.78	0.00	-93.72	0.00	93.72	4,183.86	2,091.93	6,951.89	3,481.11	1.23	-0.15	0.031
90.00	-17.29	-1.76	0.00	-84.82	0.00	84.82	4,014.66	2,007.33	6,398.09	3,203.80	1.40	-0.16	0.031
92.25	-16.39	-1.71	0.00	-80.86	0.00	80.86	3,938.51	1,969.26	6,156.38	3,082.77	1.47	-0.17	0.030
95.00	-15.50	-1.66	0.00	-76.15	0.00	76.15	3,845.45	1,922.73	5,867.28	2,938.00	1.57	-0.17	0.030
97.75	-15.12	-1.64	0.00	-71.58	0.00	71.58	3,277.70	1,638.85	4,997.17	2,502.30	1.67	-0.18	0.033
100.00	-14.30	-1.59	0.00	-67.89	0.00	67.89	3,222.92	1,611.46	4,815.14	2,411.15	1.76	-0.18	0.033
105.00	-13.51	-1.54	0.00	-59.94	0.00	59.94	3,077.89	1,538.94	4,389.42	2,197.97	1.96	-0.20	0.032
110.00	-12.75	-1.48	0.00	-52.25	0.00	52.25	2,932.86	1,466.43	3,983.41	1,994.67	2.17	-0.21	0.031
115.00	-12.01	-1.42	0.00	-44.84	0.00	44.84	2,787.83	1,393.91	3,597.10	1,801.22	2.39	-0.22	0.029
120.00	-11.31	-1.36	0.00	-37.72	0.00	37.72	2,642.80	1,321.40	3,230.49	1,617.64	2.63	-0.23	0.028
125.00	-10.63	-1.30	0.00	-30.90	0.00	30.90	2,497.76	1,248.88	2,883.58	1,443.93	2.88	-0.25	0.026
130.00	-9.92	-1.23	0.00	-24.39	0.00	24.39	2,352.73	1,176.37	2,556.37	1,280.08	3.15	-0.26	0.023
134.00	-9.84	-1.23	0.00	-19.46	0.00	19.46	1,028.31	514.15	1,093.21	547.42	3.37	-0.27	0.045
135.00	-9.67	-1.21	0.00	-18.23	0.00	18.23	1,020.22	510.11	1,070.76	536.17	3.42	-0.27	0.043
137.00	-8.16	-1.05	0.00	-15.81	0.00	15.81	1,003.67	501.84	1,026.12	513.82	3.54	-0.28	0.039
140.00	-7.78	-1.01	0.00	-12.67	0.00	12.67	977.89	488.95	959.91	480.67	3.71	-0.29	0.034
145.00	-7.64	-0.99	0.00	-7.65	0.00	7.65	932.37	466.18	851.90	426.58	4.02	-0.30	0.026
147.00	-4.39	-0.60	0.00	-5.67	0.00	5.67	913.27	456.63	809.64	405.42	4.15	-0.31	0.019
150.00	-4.11	-0.56	0.00	-3.88	0.00	3.88	883.66	441.83	747.38	374.24	4.34	-0.31	0.015
155.00	-4.00	-0.54	0.00	-1.09	0.00	1.09	831.77	415.88	647.00	323.98	4.67	-0.32	0.008
157.00	0.00	-0.52	0.00	0.00	0.00	0.00	809.65	404.83	607.80	304.35	4.80	-0.32	0.000

Equivalent Modal Forces Analysis

(Based on ASCE7-10 Chapters 11, 12 & 15 and ANSI/TIA-G, section 2.7)

Spectral Response Acceleration for Short Period (S_s):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coefficient F_v	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.20
Desing Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Period Based on Rayleigh Method (sec):	2.02
Redundancy Factor (p):	1.30

Load Case (1.2 + 0.2Sds) * DL + E EMAM **Seismic Equivalent Modal Analysis Method**

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
39	156.00	127	1.866	1.856	1.095	0.364	40	157
38	152.50	329	1.783	1.463	0.949	0.311	89	408
37	148.50	205	1.691	1.088	0.801	0.255	45	255
36	146.00	169	1.634	0.889	0.718	0.223	33	210
35	142.50	435	1.557	0.651	0.613	0.181	68	539
34	138.50	269	1.471	0.432	0.509	0.138	32	333
33	136.00	195	1.418	0.319	0.451	0.113	19	242
32	134.50	99	1.387	0.260	0.419	0.099	8	122
31	132.00	821	1.336	0.174	0.369	0.078	55	1,018
30	127.50	788	1.246	0.053	0.291	0.044	30	977
29	122.50	821	1.151	-0.037	0.220	0.013	9	1,018
28	117.50	854	1.059	-0.090	0.162	-0.010	-7	1,059
27	112.50	888	0.970	-0.116	0.117	-0.026	-20	1,100
26	107.50	921	0.886	-0.122	0.082	-0.034	-27	1,142
25	102.50	954	0.806	-0.113	0.055	-0.036	-30	1,183
24	98.88	440	0.750	-0.101	0.041	-0.033	-13	546
23	96.38	1,026	0.712	-0.091	0.032	-0.029	-26	1,271
22	93.63	1,047	0.672	-0.078	0.025	-0.024	-22	1,298
21	91.13	514	0.637	-0.066	0.019	-0.018	-8	638
20	87.50	1,171	0.587	-0.048	0.013	-0.008	-8	1,452
19	82.50	1,210	0.522	-0.024	0.008	0.007	7	1,500
18	77.50	1,249	0.461	-0.002	0.006	0.020	22	1,548
17	72.50	1,288	0.403	0.017	0.006	0.032	36	1,596
16	67.50	1,326	0.349	0.033	0.009	0.041	47	1,644
15	62.50	1,365	0.300	0.045	0.012	0.046	55	1,692
14	57.50	1,404	0.254	0.055	0.017	0.050	60	1,740
13	53.83	668	0.222	0.060	0.020	0.051	29	829
12	51.33	1,413	0.202	0.063	0.023	0.051	62	1,752
11	47.67	2,526	0.174	0.066	0.027	0.051	111	3,132
10	45.17	99	0.156	0.067	0.029	0.050	4	122
9	42.50	1,499	0.138	0.069	0.032	0.050	65	1,859
8	37.50	1,538	0.108	0.071	0.036	0.049	65	1,907
7	32.50	1,577	0.081	0.072	0.039	0.048	65	1,955
6	27.50	1,616	0.058	0.072	0.041	0.046	65	2,003

5	22.50	1,654	0.039	0.070	0.041	0.044	64	2,051
4	17.50	1,693	0.023	0.066	0.039	0.042	61	2,099
3	12.50	1,732	0.012	0.057	0.033	0.037	56	2,147
2	7.50	1,771	0.004	0.042	0.024	0.029	44	2,195
1	2.50	1,809	0.000	0.017	0.009	0.013	20	2,243
800MHz RRH	157.00	192	1.890	1.980	1.140	0.380	63	238
TD-RRH-8X20	157.00	420	1.890	1.980	1.140	0.380	138	521
APXVTM14-C-I20	157.00	165	1.890	1.980	1.140	0.380	54	204
96" x 14" x 7" Panel	157.00	210	1.890	1.980	1.140	0.380	69	260
16" x 9" x 6" Combin	157.00	120	1.890	1.980	1.140	0.380	39	149
26" Microwave	157.00	180	1.890	1.980	1.140	0.380	59	223
GPS Antenna	157.00	1	1.890	1.980	1.140	0.380	0	1
RET Kit	157.00	9	1.890	1.980	1.140	0.380	3	12
ODU	157.00	22	1.890	1.980	1.140	0.380	7	27
1900MHz RRH	157.00	360	1.890	1.980	1.140	0.380	118	446
800 MHz Notch Filter	157.00	53	1.890	1.980	1.140	0.380	17	66
APXVSPP18-C-A20	157.00	171	1.890	1.980	1.140	0.380	56	212
Platform w/ Rail	157.00	2,500	1.890	1.980	1.140	0.380	823	3,099
Collar Mount	157.00	250	1.890	1.980	1.140	0.380	82	310
DB-T1-6Z-8AB-0Z	147.00	88	1.657	0.966	0.750	0.235	18	109
JAHH-65B-R3B	147.00	380	1.657	0.966	0.750	0.235	77	471
Platform w/Rail	147.00	2,500	1.657	0.966	0.750	0.235	510	3,099
LPA-80080/4CF	147.00	72	1.657	0.966	0.750	0.235	15	89
B2/B66A RRH-BRO49	147.00	253	1.657	0.966	0.750	0.235	52	314
B5/B13 RRH	147.00	211	1.657	0.966	0.750	0.235	43	262
CBC78T-DS-43-2X	147.00	62	1.657	0.966	0.750	0.235	13	77
AIR 21 B2A/B4P	137.00	276	1.439	0.362	0.473	0.123	29	342
AIR 21 B4A/B2P	137.00	271	1.439	0.362	0.473	0.123	29	336
T-Arms	137.00	726	1.439	0.362	0.473	0.123	77	900
LNX-6515DS-A1M	137.00	151	1.439	0.362	0.473	0.123	16	187
1B-twin AWS TMA	137.00	66	1.439	0.362	0.473	0.123	7	82
		49,224	72.380	43.528	31.011	9.934	3,625	61,022

Load Case (0.9 - 0.2Sds) * DL + E EMAM **Seismic (Reduced DL) Equivalent Modal Analysis Method**

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
39	156.00	127	1.866	1.856	1.095	0.364	40	109
38	152.50	329	1.783	1.463	0.949	0.311	89	283
37	148.50	205	1.691	1.088	0.801	0.255	45	177
36	146.00	169	1.634	0.889	0.718	0.223	33	146
35	142.50	435	1.557	0.651	0.613	0.181	68	374
34	138.50	269	1.471	0.432	0.509	0.138	32	231
33	136.00	195	1.418	0.319	0.451	0.113	19	168
32	134.50	99	1.387	0.260	0.419	0.099	8	85
31	132.00	821	1.336	0.174	0.369	0.078	55	707
30	127.50	788	1.246	0.053	0.291	0.044	30	678
29	122.50	821	1.151	-0.037	0.220	0.013	9	707
28	117.50	854	1.059	-0.090	0.162	-0.010	-7	735
27	112.50	888	0.970	-0.116	0.117	-0.026	-20	764
26	107.50	921	0.886	-0.122	0.082	-0.034	-27	792
25	102.50	954	0.806	-0.113	0.055	-0.036	-30	821
24	98.88	440	0.750	-0.101	0.041	-0.033	-13	379
23	96.38	1,026	0.712	-0.091	0.032	-0.029	-26	882
22	93.63	1,047	0.672	-0.078	0.025	-0.024	-22	901
21	91.13	514	0.637	-0.066	0.019	-0.018	-8	443
20	87.50	1,171	0.587	-0.048	0.013	-0.008	-8	1,008
19	82.50	1,210	0.522	-0.024	0.008	0.007	7	1,041
18	77.50	1,249	0.461	-0.002	0.006	0.020	22	1,074

17	72.50	1,288	0.403	0.017	0.006	0.032	36	1,108
16	67.50	1,326	0.349	0.033	0.009	0.041	47	1,141
15	62.50	1,365	0.300	0.045	0.012	0.046	55	1,174
14	57.50	1,404	0.254	0.055	0.017	0.050	60	1,208
13	53.83	668	0.222	0.060	0.020	0.051	29	575
12	51.33	1,413	0.202	0.063	0.023	0.051	62	1,216
11	47.67	2,526	0.174	0.066	0.027	0.051	111	2,174
10	45.17	99	0.156	0.067	0.029	0.050	4	85
9	42.50	1,499	0.138	0.069	0.032	0.050	65	1,290
8	37.50	1,538	0.108	0.071	0.036	0.049	65	1,323
7	32.50	1,577	0.081	0.072	0.039	0.048	65	1,357
6	27.50	1,616	0.058	0.072	0.041	0.046	65	1,390
5	22.50	1,654	0.039	0.070	0.041	0.044	64	1,423
4	17.50	1,693	0.023	0.066	0.039	0.042	61	1,457
3	12.50	1,732	0.012	0.057	0.033	0.037	56	1,490
2	7.50	1,771	0.004	0.042	0.024	0.029	44	1,523
1	2.50	1,809	0.000	0.017	0.009	0.013	20	1,557
800MHz RRH	157.00	192	1.890	1.980	1.140	0.380	63	165
TD-RRH-8X20	157.00	420	1.890	1.980	1.140	0.380	138	361
APXVTM14-C-I20	157.00	165	1.890	1.980	1.140	0.380	54	142
96" x 14" x 7" Panel	157.00	210	1.890	1.980	1.140	0.380	69	181
16" x 9" x 6" Combin	157.00	120	1.890	1.980	1.140	0.380	39	103
26" Microwave	157.00	180	1.890	1.980	1.140	0.380	59	155
GPS Antenna	157.00	1	1.890	1.980	1.140	0.380	0	1
RET Kit	157.00	9	1.890	1.980	1.140	0.380	3	8
ODU	157.00	22	1.890	1.980	1.140	0.380	7	19
1900MHz RRH	157.00	360	1.890	1.980	1.140	0.380	118	310
800 MHz Notch Filter	157.00	53	1.890	1.980	1.140	0.380	17	46
APXVSPP18-C-A20	157.00	171	1.890	1.980	1.140	0.380	56	147
Platform w/ Rail	157.00	2,500	1.890	1.980	1.140	0.380	823	2,151
Collar Mount	157.00	250	1.890	1.980	1.140	0.380	82	215
DB-T1-6Z-8AB-0Z	147.00	88	1.657	0.966	0.750	0.235	18	76
JAHH-65B-R3B	147.00	380	1.657	0.966	0.750	0.235	77	327
Platform w/Rail	147.00	2,500	1.657	0.966	0.750	0.235	510	2,151
LPA-80080/4CF	147.00	72	1.657	0.966	0.750	0.235	15	62
B2/B66A RRH-BRO49	147.00	253	1.657	0.966	0.750	0.235	52	218
B5/B13 RRH	147.00	211	1.657	0.966	0.750	0.235	43	182
CBC78T-DS-43-2X	147.00	62	1.657	0.966	0.750	0.235	13	53
AIR 21 B2A/B4P	137.00	276	1.439	0.362	0.473	0.123	29	237
AIR 21 B4A/B2P	137.00	271	1.439	0.362	0.473	0.123	29	233
T-Arms	137.00	726	1.439	0.362	0.473	0.123	77	625
LNX-6515DS-A1M	137.00	151	1.439	0.362	0.473	0.123	16	130
1B-twin AWS TMA	137.00	66	1.439	0.362	0.473	0.123	7	57
		49,224	72.380	43.528	31.011	9.934	3,625	42,349

Load Case (1.2 + 0.2Sds) * DL + E EMAM **Seismic Equivalent Modal Analysis Method**

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-58.78	-3.61	0.00	-464.80	0.00	464.80	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.066
5.00	-56.58	-3.58	0.00	-446.74	0.00	446.74	5,898.95	2,949.47	15,998.2	8,011.02	0.01	-0.01	0.065
10.00	-54.43	-3.53	0.00	-428.85	0.00	428.85	5,814.64	2,907.32	15,374.6	7,698.77	0.03	-0.02	0.065
15.00	-52.34	-3.48	0.00	-411.19	0.00	411.19	5,727.15	2,863.57	14,754.3	7,388.14	0.06	-0.04	0.065
20.00	-50.28	-3.43	0.00	-393.77	0.00	393.77	5,636.47	2,818.23	14,137.9	7,079.47	0.10	-0.05	0.065
25.00	-48.28	-3.37	0.00	-376.63	0.00	376.63	5,542.60	2,771.30	13,526.0	6,773.06	0.16	-0.06	0.064
30.00	-46.32	-3.32	0.00	-359.75	0.00	359.75	5,445.54	2,722.77	12,919.3	6,469.26	0.24	-0.08	0.064
35.00	-44.42	-3.26	0.00	-343.16	0.00	343.16	5,345.30	2,672.65	12,318.4	6,168.38	0.33	-0.09	0.064
40.00	-42.56	-3.21	0.00	-326.84	0.00	326.84	5,241.87	2,620.94	11,724.0	5,870.75	0.44	-0.11	0.064
45.00	-42.43	-3.21	0.00	-310.81	0.00	310.81	5,135.25	2,567.63	11,136.8	5,576.69	0.56	-0.12	0.064
45.33	-39.30	-3.10	0.00	-309.74	0.00	309.74	5,128.03	2,564.02	11,097.9	5,557.22	0.57	-0.13	0.063
50.00	-37.55	-3.04	0.00	-295.29	0.00	295.29	5,025.45	2,512.73	10,557.3	5,286.54	0.70	-0.14	0.063
52.67	-36.72	-3.01	0.00	-287.19	0.00	287.19	5,025.47	2,512.73	10,557.4	5,286.58	0.78	-0.15	0.062
55.00	-34.98	-2.95	0.00	-280.16	0.00	280.16	4,973.14	2,486.57	10,289.9	5,152.60	0.86	-0.16	0.061
60.00	-33.29	-2.91	0.00	-265.39	0.00	265.39	4,858.66	2,429.33	9,723.06	4,868.75	1.03	-0.18	0.061
65.00	-31.64	-2.86	0.00	-250.87	0.00	250.87	4,740.99	2,370.50	9,165.59	4,589.61	1.23	-0.19	0.061
70.00	-30.04	-2.83	0.00	-236.55	0.00	236.55	4,620.14	2,310.07	8,618.17	4,315.49	1.44	-0.21	0.061
75.00	-28.49	-2.81	0.00	-222.39	0.00	222.39	4,496.10	2,248.05	8,081.43	4,046.72	1.67	-0.23	0.061
80.00	-26.99	-2.81	0.00	-208.32	0.00	208.32	4,353.06	2,176.53	7,528.68	3,769.93	1.93	-0.25	0.061
85.00	-25.54	-2.82	0.00	-194.27	0.00	194.27	4,183.86	2,091.93	6,951.89	3,481.11	2.21	-0.28	0.062
90.00	-24.90	-2.83	0.00	-180.16	0.00	180.16	4,014.66	2,007.33	6,398.09	3,203.80	2.51	-0.30	0.062
92.25	-23.60	-2.85	0.00	-173.78	0.00	173.78	3,938.51	1,969.26	6,156.38	3,082.77	2.65	-0.31	0.062
95.00	-22.33	-2.88	0.00	-165.93	0.00	165.93	3,845.45	1,922.73	5,867.28	2,938.00	2.84	-0.32	0.062
97.75	-21.78	-2.89	0.00	-158.02	0.00	158.02	3,277.70	1,638.85	4,997.17	2,502.30	3.03	-0.34	0.070
100.00	-20.60	-2.92	0.00	-151.51	0.00	151.51	3,222.92	1,611.46	4,815.14	2,411.15	3.19	-0.35	0.069
105.00	-19.46	-2.95	0.00	-136.90	0.00	136.90	3,077.89	1,538.94	4,389.42	2,197.97	3.57	-0.38	0.069
110.00	-18.35	-2.97	0.00	-122.14	0.00	122.14	2,932.86	1,466.43	3,983.41	1,994.67	3.98	-0.41	0.067
115.00	-17.29	-2.98	0.00	-107.27	0.00	107.27	2,787.83	1,393.91	3,597.10	1,801.22	4.42	-0.44	0.066
120.00	-16.27	-2.97	0.00	-92.35	0.00	92.35	2,642.80	1,321.40	3,230.49	1,617.64	4.89	-0.47	0.063
125.00	-15.30	-2.94	0.00	-77.48	0.00	77.48	2,497.76	1,248.88	2,883.58	1,443.93	5.40	-0.50	0.060
130.00	-14.28	-2.89	0.00	-62.77	0.00	62.77	2,352.73	1,176.37	2,556.37	1,280.08	5.93	-0.53	0.055
134.00	-14.15	-2.88	0.00	-51.22	0.00	51.22	1,028.31	514.15	1,093.21	547.42	6.38	-0.55	0.107
135.00	-13.91	-2.86	0.00	-48.35	0.00	48.35	1,020.22	510.11	1,070.76	536.17	6.50	-0.55	0.104
137.00	-11.73	-2.65	0.00	-42.62	0.00	42.62	1,003.67	501.84	1,026.12	513.82	6.74	-0.57	0.095
140.00	-11.19	-2.59	0.00	-34.66	0.00	34.66	977.89	488.95	959.91	480.67	7.11	-0.60	0.084
145.00	-10.98	-2.56	0.00	-21.72	0.00	21.72	932.37	466.18	851.90	426.58	7.76	-0.64	0.063
147.00	-6.31	-1.73	0.00	-16.61	0.00	16.61	913.27	456.63	809.64	405.42	8.03	-0.66	0.048
150.00	-5.91	-1.64	0.00	-11.41	0.00	11.41	883.66	441.83	747.38	374.24	8.45	-0.67	0.037
155.00	-5.75	-1.60	0.00	-3.20	0.00	3.20	831.77	415.88	647.00	323.98	9.16	-0.69	0.017
157.00	0.00	-1.53	0.00	0.00	0.00	0.00	809.65	404.83	607.80	304.35	9.45	-0.69	0.000

Load Case (0.9 - 0.2Sds) * DL + E EMAM **Seismic (Reduced DL) Equivalent Modal Analysis Method**

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-40.79	-3.61	0.00	-459.93	0.00	459.93	5,980.07	2,990.03	16,624.4	8,324.57	0.00	0.00	0.062
5.00	-39.27	-3.57	0.00	-441.89	0.00	441.89	5,898.95	2,949.47	15,998.2	8,011.02	0.01	-0.01	0.062
10.00	-37.78	-3.52	0.00	-424.03	0.00	424.03	5,814.64	2,907.32	15,374.6	7,698.77	0.03	-0.02	0.062
15.00	-36.32	-3.47	0.00	-406.41	0.00	406.41	5,727.15	2,863.57	14,754.3	7,388.14	0.06	-0.04	0.061
20.00	-34.89	-3.41	0.00	-389.06	0.00	389.06	5,636.47	2,818.23	14,137.9	7,079.47	0.10	-0.05	0.061
25.00	-33.50	-3.36	0.00	-371.99	0.00	371.99	5,542.60	2,771.30	13,526.0	6,773.06	0.16	-0.06	0.061
30.00	-32.15	-3.30	0.00	-355.21	0.00	355.21	5,445.54	2,722.77	12,919.3	6,469.26	0.24	-0.08	0.061
35.00	-30.82	-3.24	0.00	-338.72	0.00	338.72	5,345.30	2,672.65	12,318.4	6,168.38	0.33	-0.09	0.061
40.00	-29.53	-3.18	0.00	-322.53	0.00	322.53	5,241.87	2,620.94	11,724.0	5,870.75	0.43	-0.11	0.061
45.00	-29.45	-3.18	0.00	-306.63	0.00	306.63	5,135.25	2,567.63	11,136.8	5,576.69	0.55	-0.12	0.061
45.33	-27.27	-3.07	0.00	-305.57	0.00	305.57	5,128.03	2,564.02	11,097.9	5,557.22	0.56	-0.12	0.060
50.00	-26.06	-3.01	0.00	-291.26	0.00	291.26	5,025.45	2,512.73	10,557.3	5,286.54	0.69	-0.14	0.060
52.67	-25.48	-2.98	0.00	-283.24	0.00	283.24	5,025.47	2,512.73	10,557.4	5,286.58	0.77	-0.15	0.059
55.00	-24.27	-2.92	0.00	-276.29	0.00	276.29	4,973.14	2,486.57	10,289.9	5,152.60	0.85	-0.16	0.059
60.00	-23.10	-2.87	0.00	-261.67	0.00	261.67	4,858.66	2,429.33	9,723.06	4,868.75	1.02	-0.17	0.059
65.00	-21.96	-2.83	0.00	-247.32	0.00	247.32	4,740.99	2,370.50	9,165.59	4,589.61	1.21	-0.19	0.059
70.00	-20.85	-2.79	0.00	-233.18	0.00	233.18	4,620.14	2,310.07	8,618.17	4,315.49	1.42	-0.21	0.059
75.00	-19.77	-2.78	0.00	-219.21	0.00	219.21	4,496.10	2,248.05	8,081.43	4,046.72	1.65	-0.23	0.059
80.00	-18.73	-2.77	0.00	-205.33	0.00	205.33	4,353.06	2,176.53	7,528.68	3,769.93	1.91	-0.25	0.059
85.00	-17.72	-2.78	0.00	-191.47	0.00	191.47	4,183.86	2,091.93	6,951.89	3,481.11	2.18	-0.27	0.059
90.00	-17.28	-2.79	0.00	-177.56	0.00	177.56	4,014.66	2,007.33	6,398.09	3,203.80	2.48	-0.29	0.060
92.25	-16.38	-2.81	0.00	-171.28	0.00	171.28	3,938.51	1,969.26	6,156.38	3,082.77	2.62	-0.31	0.060
95.00	-15.49	-2.84	0.00	-163.54	0.00	163.54	3,845.45	1,922.73	5,867.28	2,938.00	2.80	-0.32	0.060
97.75	-15.11	-2.85	0.00	-155.74	0.00	155.74	3,277.70	1,638.85	4,997.17	2,502.30	2.99	-0.33	0.067
100.00	-14.29	-2.88	0.00	-149.32	0.00	149.32	3,222.92	1,611.46	4,815.14	2,411.15	3.15	-0.34	0.066
105.00	-13.50	-2.91	0.00	-134.92	0.00	134.92	3,077.89	1,538.94	4,389.42	2,197.97	3.52	-0.37	0.066
110.00	-12.73	-2.93	0.00	-120.37	0.00	120.37	2,932.86	1,466.43	3,983.41	1,994.67	3.93	-0.40	0.065
115.00	-11.99	-2.94	0.00	-105.71	0.00	105.71	2,787.83	1,393.91	3,597.10	1,801.22	4.36	-0.43	0.063
120.00	-11.29	-2.93	0.00	-91.01	0.00	91.01	2,642.80	1,321.40	3,230.49	1,617.64	4.83	-0.46	0.061
125.00	-10.61	-2.90	0.00	-76.36	0.00	76.36	2,497.76	1,248.88	2,883.58	1,443.93	5.33	-0.49	0.057
130.00	-9.90	-2.84	0.00	-61.86	0.00	61.86	2,352.73	1,176.37	2,556.37	1,280.08	5.85	-0.52	0.053
134.00	-9.81	-2.84	0.00	-50.48	0.00	50.48	1,028.31	514.15	1,093.21	547.42	6.30	-0.54	0.102
135.00	-9.65	-2.82	0.00	-47.65	0.00	47.65	1,020.22	510.11	1,070.76	536.17	6.41	-0.55	0.098
137.00	-8.13	-2.62	0.00	-42.01	0.00	42.01	1,003.67	501.84	1,026.12	513.82	6.65	-0.57	0.090
140.00	-7.76	-2.55	0.00	-34.16	0.00	34.16	977.89	488.95	959.91	480.67	7.01	-0.60	0.079
145.00	-7.61	-2.52	0.00	-21.42	0.00	21.42	932.37	466.18	851.90	426.58	7.66	-0.63	0.058
147.00	-4.38	-1.71	0.00	-16.38	0.00	16.38	913.27	456.63	809.64	405.42	7.93	-0.65	0.045
150.00	-4.09	-1.62	0.00	-11.25	0.00	11.25	883.66	441.83	747.38	374.24	8.34	-0.66	0.035
155.00	-3.98	-1.58	0.00	-3.16	0.00	3.16	831.77	415.88	647.00	323.98	9.04	-0.68	0.015
157.00	0.00	-1.53	0.00	0.00	0.00	0.00	809.65	404.83	607.80	304.35	9.33	-0.68	0.000

Analysis Summary

Load Case	Reactions Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Max Usage Elev (ft)	Interaction Ratio
1.2D + 1.6W	25.80	0.00	59.05	0.00	0.00	3014.55	134.00	0.47
0.9D + 1.6W	25.79	0.00	44.28	0.00	0.00	2990.18	134.00	0.46
1.2D + 1.0Di + 1.0Wi	7.29	0.00	87.26	0.00	0.00	815.70	134.00	0.14
(1.2 + 0.2Sds) * DL + E ELFM	2.13	0.00	58.78	0.00	0.00	270.03	134.00	0.05
(1.2 + 0.2Sds) * DL + E EMAM	3.61	0.00	58.78	0.00	0.00	464.80	134.00	0.11
(0.9 - 0.2Sds) * DL + E ELFM	2.13	0.00	40.79	0.00	0.00	267.43	134.00	0.05
(0.9 - 0.2Sds) * DL + E EMAM	3.61	0.00	40.79	0.00	0.00	459.93	134.00	0.10
1.0D + 1.0W	6.43	0.00	49.22	0.00	0.00	747.71	134.00	0.12

Base Summary

Reactions

Original Design			Analysis			
Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment Design %
7,151.38	68.80	61.40	3,014.55	87.26	25.80	42.15

Base Plate

Yield (ksi)	Thick (in)	Width (in)	Style	Poly Sides	Clip Len (in)	Effective Len (in)	Mu (kip-in)	Phi Mn (kip-in)	Ratio
50.0	3.000	82.000	Round	0	0.00	43.884	984.53	4443.28	0.22

Anchor Bolts

								Start	Compression			Tension		
Bolt Circle	Num Bolts	Bolt Type	Bolt Dia (in)	Yield (ksi)	Ultimate (ksi)	Arrange	Cluster Dist (in)	Angle (deg)	Force (kip)	Allow (kip)	Ratio	Force (kip)	Allow (kip)	Ratio
76.00	36	2.25" 18J	2.25	75.00	100.00	Radial	0.00	0.0	55.31	260.00	0.22	50.46	260.00	0.20

Site Number:	**CT54XC773**
Site Name:	**Hamden**
Job Number:	**REV10**
Engineer:	**CRB**
Date:	**7/24/2020**

Monopole Base Plate and Bolt Analysis

Reinforcement:	N				
Moment:	3014.6	k-ft			
Shear:	25.8	k			
Compression:	59.1	k			
TIA-222 Code Revision:	G				
Monopole Shaft Diameter (Across Flats):	68.0	in	Baseplate Diameter / Length:	82.00	
Lower Monopole Thickness:	0.4375	in	Base Plate Thickness:	3.00	in
# of Sides of Pole:	18		Base Plate Material:	A572 Gr. 50	
Monopole Shaft Material:	A572 Gr. 65		Base Plate Yield Strength:	50	ksi
Monopole Shaft Yield Strength:	65	ksi	Base Plate Ultimate Strength:	65	ksi
Monopole Shaft Ultimate Strength:	80	ksi	Baseplate Detail Type:	D	
			Include Plate Thickness Beyond Bolt Circle:	Y	

Anchor Bolts

Anchor Bolt Arrangement:	Round	
Anchor Bolt Yield Strength:	75	ksi
Anchor Bolt Ultimate Strength:	100	ksi
Anchor Bolt Diameter:	2.25	in
Anchor Bolt Circle:	76.00	in
# of Anchor Bolts:	36	
Minimum Anchor Bolt Separation:	6.00	in
Additional Anchor Bolts Installed:	N	

Base Weld

Fillet Weld Size:	0.375	in
Weld Type (CJP or F/F):	CJP	
Weld Strength:	70	ksi

	Baseplate Flexural Capacity					Baseplate Shear Capacity			
Failure Mode:	Effective Width (in)	Moment (k-in)	S/Z (in^3)	Capacity (k-in)	Usage	Shear (k)	Area (in^2)	Capacity (k)	Usage
AA	39.94	761.0	89.9	4044.0	0.19	264.6	119.8	3235.2	0.08
AB	47.03	996.2	105.8	4761.9	0.21	264.6	141.1	3809.5	0.07
BA	37.75	622.2	84.9	3822.5	0.16	264.6	113.3	3058.0	0.09
BB	43.46	970.4	97.8	4399.9	0.22	264.6	130.4	3519.9	0.08

Anchor Bolt Capacity

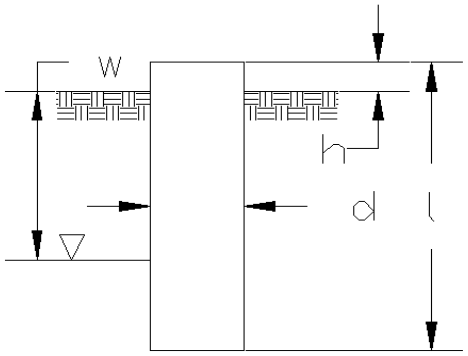
Area of Bolt:	3.25	in^2
Inertia of Bolt:	0.84	in^4
Total Bolt Inertia:	84444.0	in^4
Maximum Bolt Tension:	51.2	k
Maximum Bolt Compression:	54.5	k
Bolt Shear:	0.7	k
Tensile Bolt Capacity:	259.8	k
Compressive Bolt Capacity:	259.8	k
Shear Bolt Capacity:	140.3	k
Interaction Equation:	0.22	Result: OK

Base Weld Capacity

Force / Weld:	7.9	k/in
CJP Strength:	16.4	k/in
Fillet Strength:	12.5	k/in
Combined Strength:	28.9	k/in
Weld Capacity:	28.9	k/in
Interaction Equation:	0.27	Result: OK

SES Base Plate Design Moment:	218.0	k-in
Design Stress:	16.3	ksi
SES Base Plate Allowable Stress / Moment Capacity:	600.8	ksi / k-in
Usage:	0.36	
Moment Factor:	4.45	
Moment Capacity:	600.8	k-in
Length Factor:	7.32	

Site Name:	Hamden	*Program Last Updated:*	*5/13/2014*
Site Number:	CT54XC773	*American Tower Corporation*	
Engineer:	CRB		
Engineering Number:	REV10		
Date:	07/24/20		



Design Base Loads (Factored) - Analysis per TIA-222-G Standards

Analyze or Design a Foundation?	Analyze	
Foundation Mapped:	N	
Moment (M):	3014.6	k-ft
Shear/Leg (V):	25.8	k
Axial Load (P):	59.1	k
Uplift/Leg (U):	0.0	k
Tower Type (GT / SST / MP):	MP	
Diameter of Caisson (d):	8.0	ft
Caisson Embedment (L-h):	47.0	ft
Caisson Height Above Ground (h):	1.0	ft
Depth Below Ground Surface to Water Table (w):	15.0	ft
Unit Weight of Concrete:	150.0	pcf
Unit Weight of Water:	62.4	pcf
Tension Skin Friction/Compression Skin Friction:	1.00	
Pullout Angle:	30.0	degrees

Engineer Notes

Soil Mechanical Properties

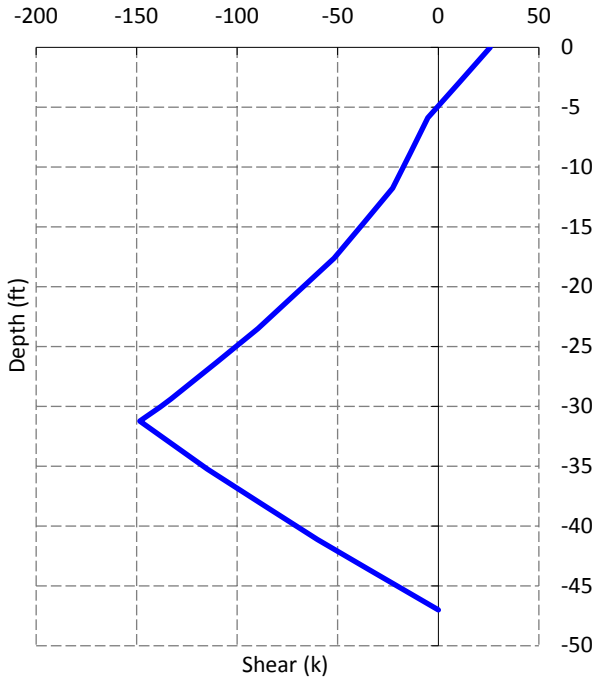
Depth (ft) Top	Depth (ft) Bottom	γ_{Soil} (pcf)	Cohesion (psf)	ϕ (degree)	Ultimate Skin Friction (psf)	Ultimate Bearing Pressure (psf)
0.0	2.5	120	0	25	0	0
2.5	48.0	120	0	28	0	12000

Required Embedment:	19.4	ft - OK, Caisson Embedment Satisfactory
Volume of Concrete:	2412.7	ft^3 = 89.4 yd^3
Weight of Concrete (Buoyancy Effect Considered):	261.5	k
Average Soil Unit Weight:	77.2	pcf
Skin Friction Resistance:	0.0	k
Compressive Bearing Resistance:	603.2	k
Pullout Weight (Minus Concrete Weight):	4032.5	k
Nominal Uplift Capacity per Leg ($\phi_s T_n$):	196.2	k
Nominal Compressive Capacity per Leg ($\phi_s P_n$):	452.4	k
P_u:	145.1	k
$T_u/\phi_s T_n$:	0.00	Result: OK
$P_u/\phi_s P_n$:	0.32	Result: OK
Total Lateral Resistance:	5978.1	k
Inflection Point (Below Ground Surface):	31.2	ft
Design Overturning Moment At Inflection Point (M_D):	3845.8	k-ft
Nominal Moment Capacity ($\phi_s M_n$):	43302.9	k-ft
$M_D/\phi_s M_n$:	0.09	Result: OK
ϕ_s:	0.75	

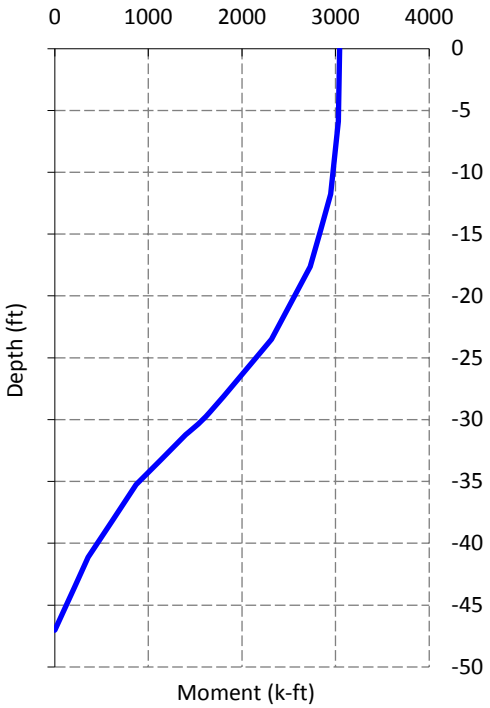
Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	4000	psi
Vertical Steel Rebar Size #:	8	
Vertical Steel Rebar Area:	0.79	in^2
# of Vertical Steel Rebars:	58	
Vertical Steel Rebar Yield Strength (F_y):	60	ksi
Horizontal Tie / Stirrup Size #:	5	
Horizontal Tie / Stirrup Area:	0.31	in^2
Design Horizontal Tie / Stirrup Spacing:	12.0	in
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	60	ksi
Rebar Cage Diameter:	88.0	in
Strength Bending/Tension Reduction Factor (ϕ_B):	0.90	ACI318-05 - 9.3.2.1
Strength Shear Reduction Factor (ϕ_V):	0.75	ACI318-05 - 9.3.2.3
Strength Compression Reduction Factor (ϕ_V):	0.65	ACI318-05 - 9.3.2.2
Steel Elastic Modulus:	29000	ksi
Design Moment (M_u):	3040.4	k-ft
Nominal Moment Capacity ($\phi_B M_n$):	8871.0	k-ft - ACI318-005 - 10.2
$M_u/\phi_B M_n$:	0.34	Result: OK
Design Shear (V_u):	148.4	k
Nominal Shear Capacity ($\phi_V V_n$):	689.5	k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u/\phi_V V_n$:	0.22	Result: OK
Design Tension (T_u):	0.0	k
Nominal Tension Capacity ($\phi_T T_n$):	2474.3	k - ACI318-05 - 10.2
$T_u/\phi_T T_n$:	0.00	Result: OK
Design Compression (P_u):	145.1	k
Nominal Compression Capacity ($\phi_P P_n$):	12716.2	k - ACI318-05 - 10.3.6.2
$P_u/\phi_P P_n$:	0.01	Result: OK
Bending Reinforcement Ratio:	0.006	ACI318-05 - 10.8.4 & 10.9.1
$M_u/\phi_B M_n + T_u/\phi_T T_n$:	0.34	Result: OK

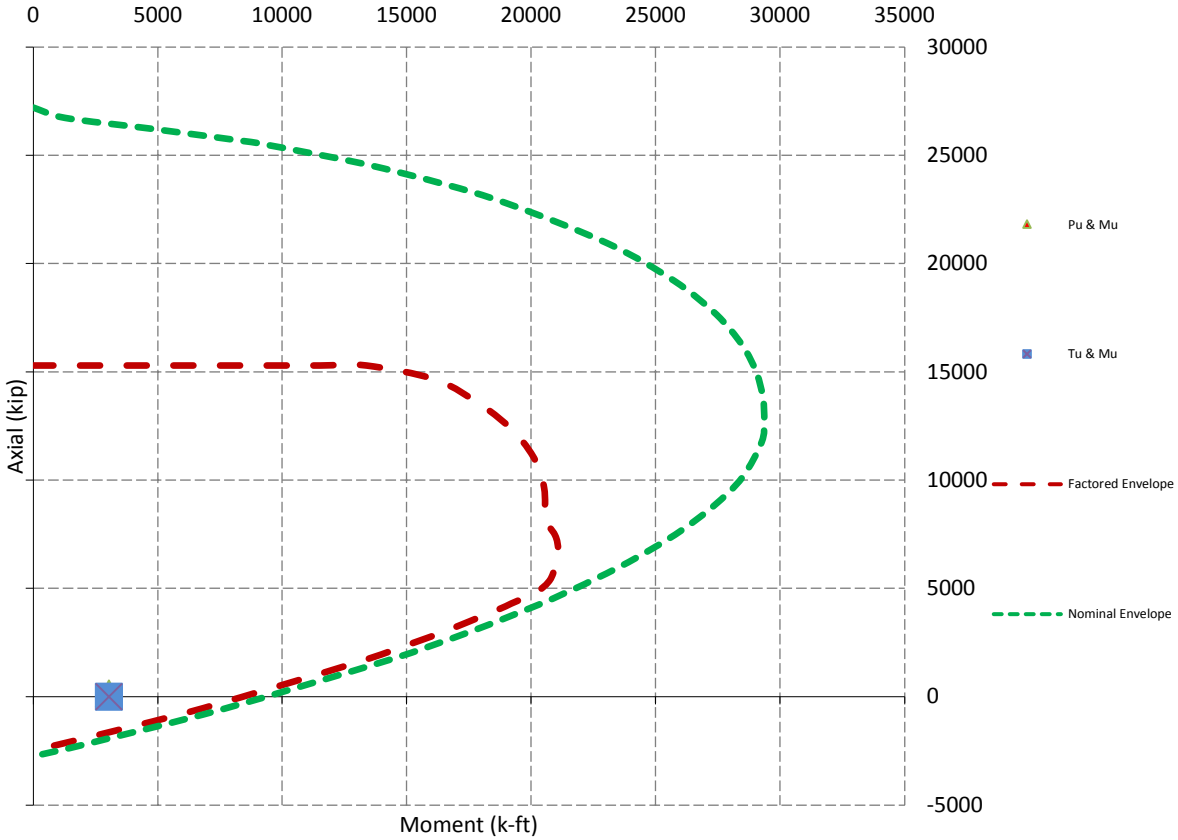
Design Factored Shear / Depth



Design Factored Moment / Depth



Nominal and Factored Moment Capacity and Factored Design Loads

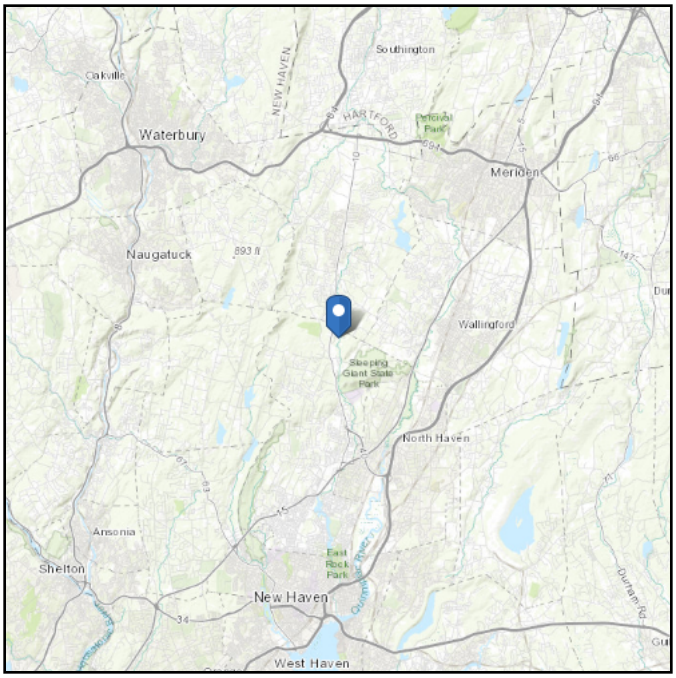


ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 128.93 ft (NAVD 88)
Latitude: 41.44939
Longitude: -72.90457



Wind

Results:

Wind Speed:	123 Vmph
10-year MRI	77 Vmph
25-year MRI	87 Vmph
50-year MRI	93 Vmph
100-year MRI	100 Vmph
Data Source:	ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, incorporating errata of March 12, 2014
Date Accessed:	Fri Jul 24 2020

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 7-10 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 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

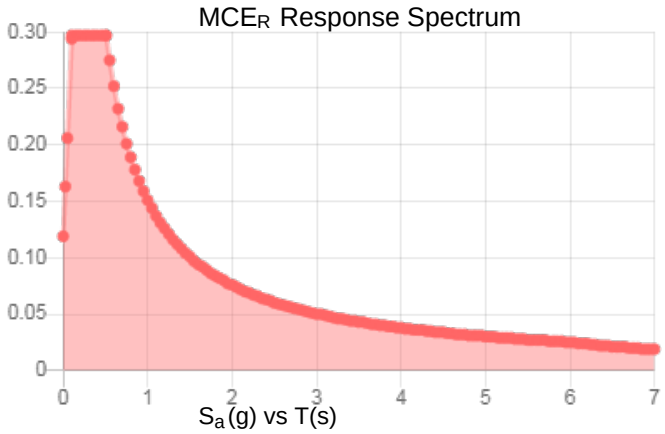
Seismic

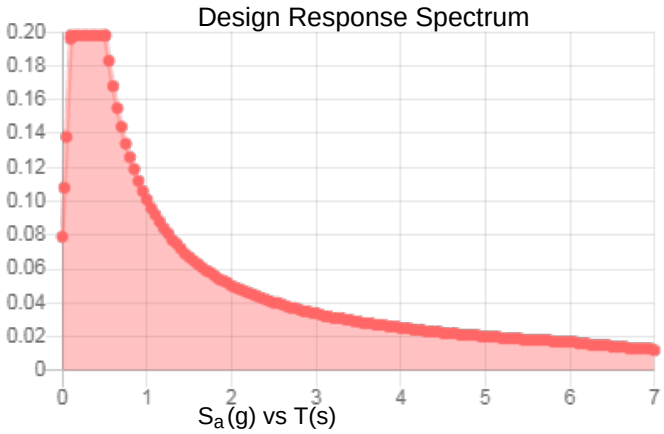
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.186	S_{DS} :	0.198
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.096
S_{MS} :	0.297	PGA_M :	0.154
S_{M1} :	0.151	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Jul 24 2020

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Jul 24 2020

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 50-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.

ATTACHMENT 5

Maser Consulting Connecticut
5141 Virginia Way, Suite 420
Brentwood, TN 37027
615.686.2575
vzworders@maserconsulting.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10007400
Maser Consulting Connecticut Project #: 20777089A

May 8, 2020

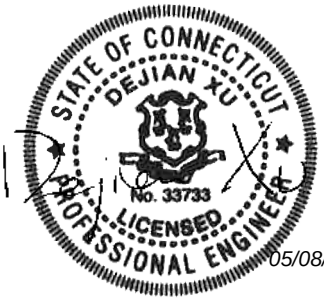
Site Information	*Site ID:*	*467707-VZW / NE HAMDEN NORTH 2*
	Site Name:	*NE HAMDEN NORTH 2*
	Carrier Name:	*Verizon Wireless*
	Address:	*150 Willow Street* *Hamden, Connecticut 06518* *New Haven County*
	Latitude:	*41.449392°*
	Longitude:	*-72.904572°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.50-Ft Platform*

Analysis Results

Platform: **57.5% Pass**

******Contractor PMI Requirements*** ***Included at the end of this MA report***
Available on portal beginning 4.15.20 at https://pmi.vzwsmart.com
Reference Noted on A & E drawings

Report Prepared By: Lauren Luzier



05/08/2020

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 674925, dated March 24, 2020*
Mount Mapping Report	*HighTower Solutions, Inc., Site Name: NE Hamden North 2, dated April 20, 2020*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.995
Seismic Parameters:	S_S:	0.201
	S_1:	0.054
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
147.00	147.00	6	Amphenol Antel	LPA-80080-4CF-EDIN-6	Retained
		6	Commscope	JAHH-65B-R3B	
		2	Raycap	RRFDC-3315-PF-48	
		3	Commscope	CBC78T-DS-43-2X	Added
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	

Standard Conditions:

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	*34.1*	*Pass*
Horizontals	*10.8*	*Pass*
Support Rail	*27.5*	*Pass*
Corner Plates	*36.7*	*Pass*
Cross Brace	*15.4*	*Pass*
Standoff	*26.2*	*Pass*
Connection	*57.5*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**57.5%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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:

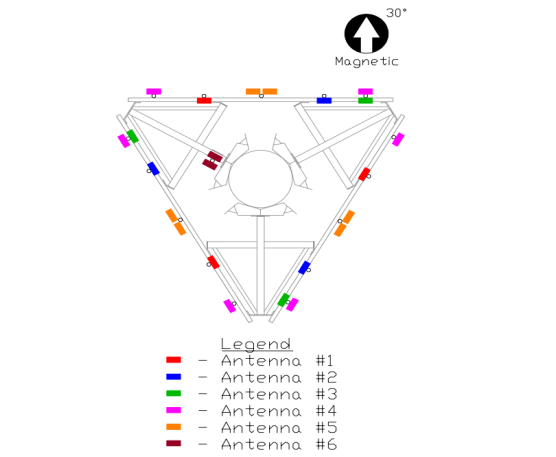
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams

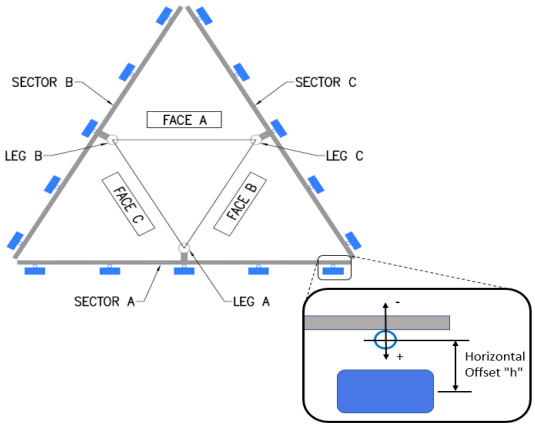
Updated on 3-03-2020

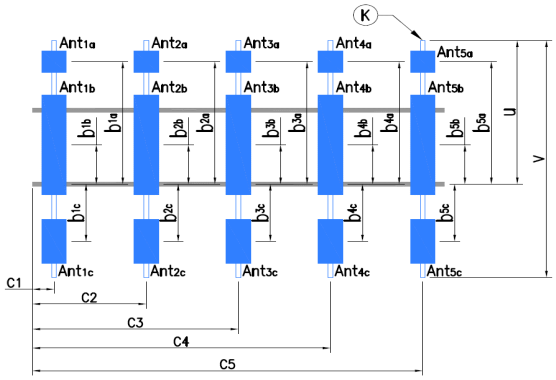
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	N/A	**Mapping Date:**	4/20/2020
Site Name:	NE HAMDEN NORTH 2	**Tower Type:**	Monopole
Site Number or ID:	467707	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	147







Antenna Layout

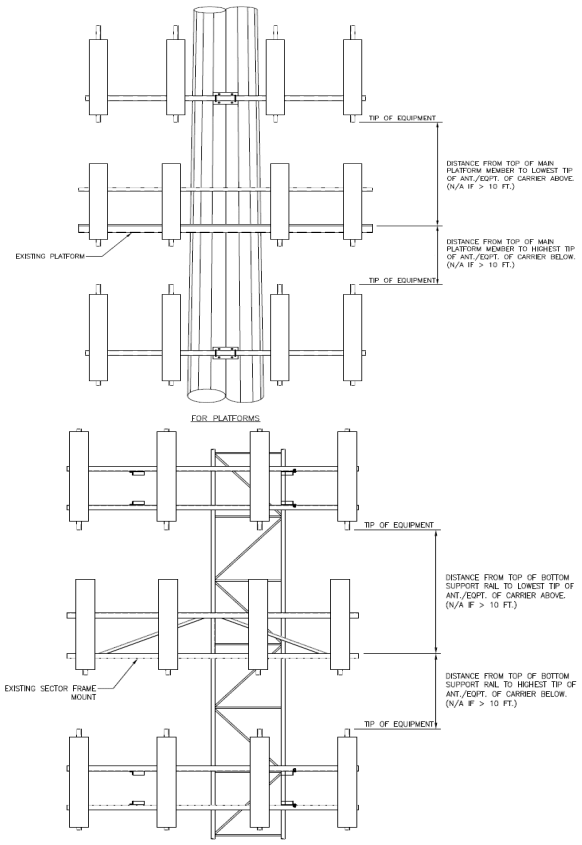
Mount Azimuth (Degree) for Each Sector and Climbing Information			
Sector A:	30.00	Deg	
Sector B:	150.00	Deg	
Sector C:	270.00	Deg	
Sector D:		Deg	
Climbing	210.00	Deg	
Climbing Facility	Corrosion Type:	Good condition.	
	Access:	N/A	
	Condition:	N/A	

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	6'T/2.38"Dia.Pipe x.22"	54.00	16.00	C1	6'T/2.38"Dia.Pipe x.22"	54.00	16.00
A2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50	C2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50
A3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00	C3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00
A4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50	C4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50
A5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00	C5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00
A6				C6			
B1	6'T/2.38"Dia.Pipe x.22"	54.00	16.00	D1			
B2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50	D2			
B3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00	D3			
B4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50	D4			
B5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00	D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)	
Please enter additional infomation or comments below.	
2 QTY (18"Tx15"Wx10"D) Raycap - Squid [RRFDC-3315-PF-48] (2-1 1/2") @ 149'3"Base on Squid Pipe Mount. See Sketch.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 22.45

	Enter antenna model. If not labled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	30.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	30.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	30.00	4831
Ant_{5c}									
Sector B									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	155.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	150.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	155.00	4831
Ant_{5c}									



Sector C									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	275.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	270.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	275.00	4831
Ant_{5c}									
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}									

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	2 climbing pegs are missing.	N/A
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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

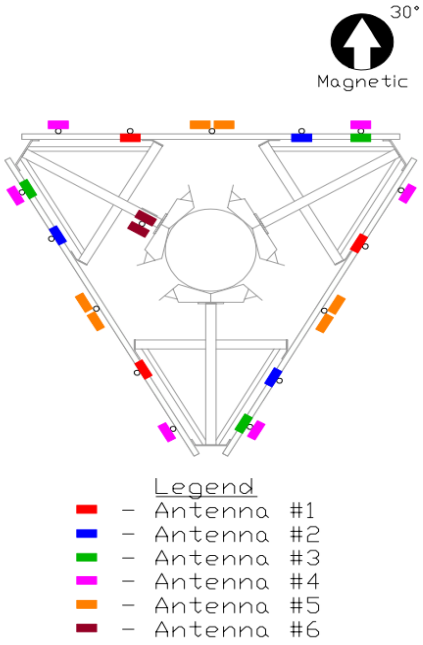
Updated on 3-03-2020

Antenna Mount Mapping Form (PATENT PENDING)

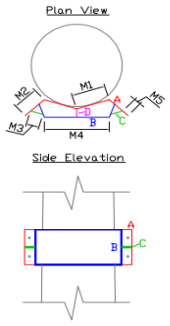
FCC #
N/A

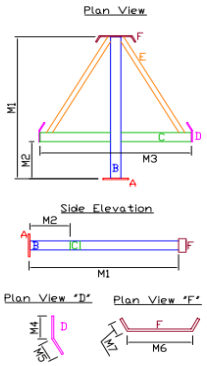
Tower Owner:	N/A	**Mapping Date:**	4/20/2020
Site Name:	NE HAMDEN NORTH 2	**Tower Type:**	Monopole
Site Number or ID:	467707	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	147

Please Insert Sketches of the Antenna Mount



Foundation A.G.L. -	2"
Antenna Measurements taken from top of -	Foundation
Monopoles - Circumference at Mount -	70.50"Circ.
Height to Bottom of Collar Mount -	147'
Height to Bottom of Side Arm -	147'
Height to Bottom of Boom -	147'
Azimuths	
Side Arm	
Alpha	330°
Beta	90°
Gamma	210°
Boom	
Alpha	30°
Beta	150°
Gamma	270°

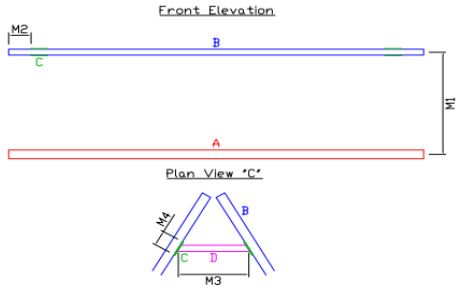


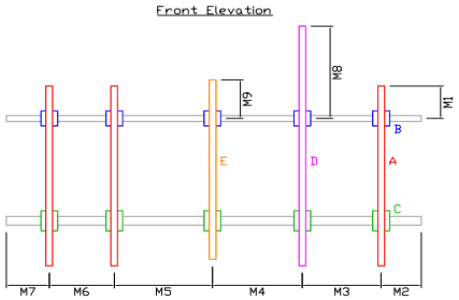


Label	Member Size	Bolt Size
A	10"Tx.50"	2-.75"All-Thread
B	10"Tx.38"Flat	Welded
C	2.75"Lx6.50"Wx.38"Flat	Welded
D	10"Tx4"Wx.38"Flat	Welded
M1	7"	
M2	8"	
M3	2.75"	
M4	10"	
M5	2.50"	

Label	Member Size	Bolt Size
A	10"Tx10"Wx.75"Flat	4-.62"
B	5'2.25"L/4"Sq.Tube x.237"	Welded
C	2'4.25"L/4"Sq.Tube x.237"	Welded
D	6"Tx.38"	Flat
E	4'4"L/2"x2"x.20"Angle	Welded
F	6"Tx.50"Flat	Welded
M1	5'2.25"	
M2	17.50"	
M3	5'.50"	
M4	3.50"	
M5	5"	
M6	12.25"	
M7	3"	

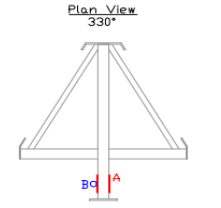
Please Insert Sketches of the Antenna Mount, cont'd

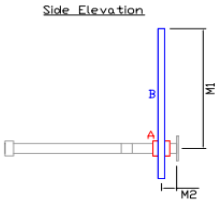




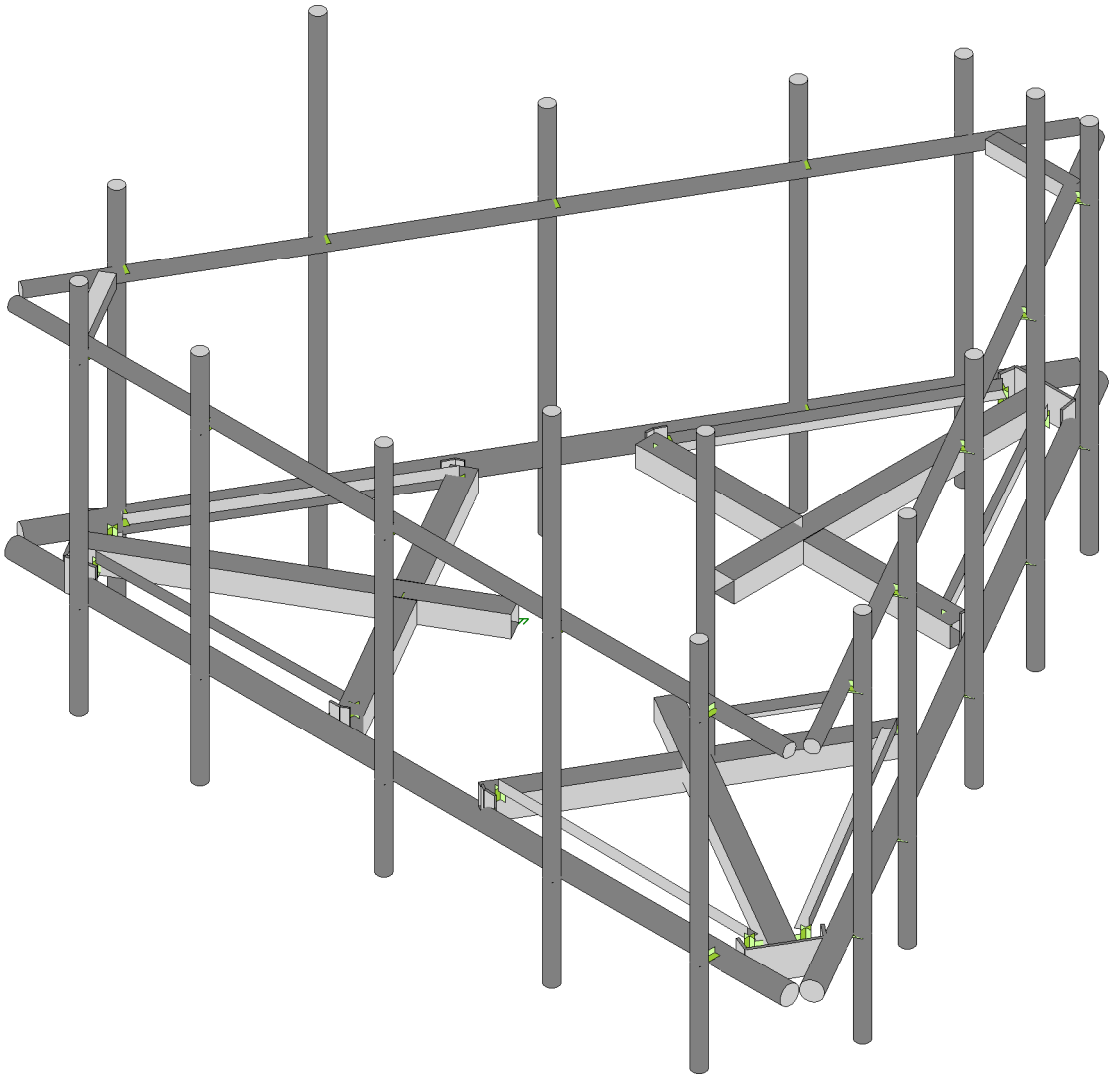
Label	Member Size	Bolt Size
A	12'6"L/3.50"Dia.Pipe x.20"	1-.50"U-Bolt
B	12'6"L/2.38"Dia.Pipe x.15"	2-.50"U-Bolt
C	6"Tx6"Wx.38"Flat	Shared w/ B
D	16.25"L/2.50"x2.50"x.25"Angle	Welded
M1	3'5"	
M2	9"	
M3	16.50"	
M4	6"	

Label	Member Size	Bolt Size
A	6'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
B	6"Tx6"Wx.38"Flat	2-.50"U-Bolt
C	8"L/2.50"x6.25"x.25"Channel	2-.50"U-Bolt
D	8'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
E	6'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
M1	13"	
M2	14.50"	
M3	2'4.50"	
M4	2'8.50"	
M5	2'11.50"	
M6	23.50"	
M7	15.5"	
M8	3'1"	
M9	15.50"	



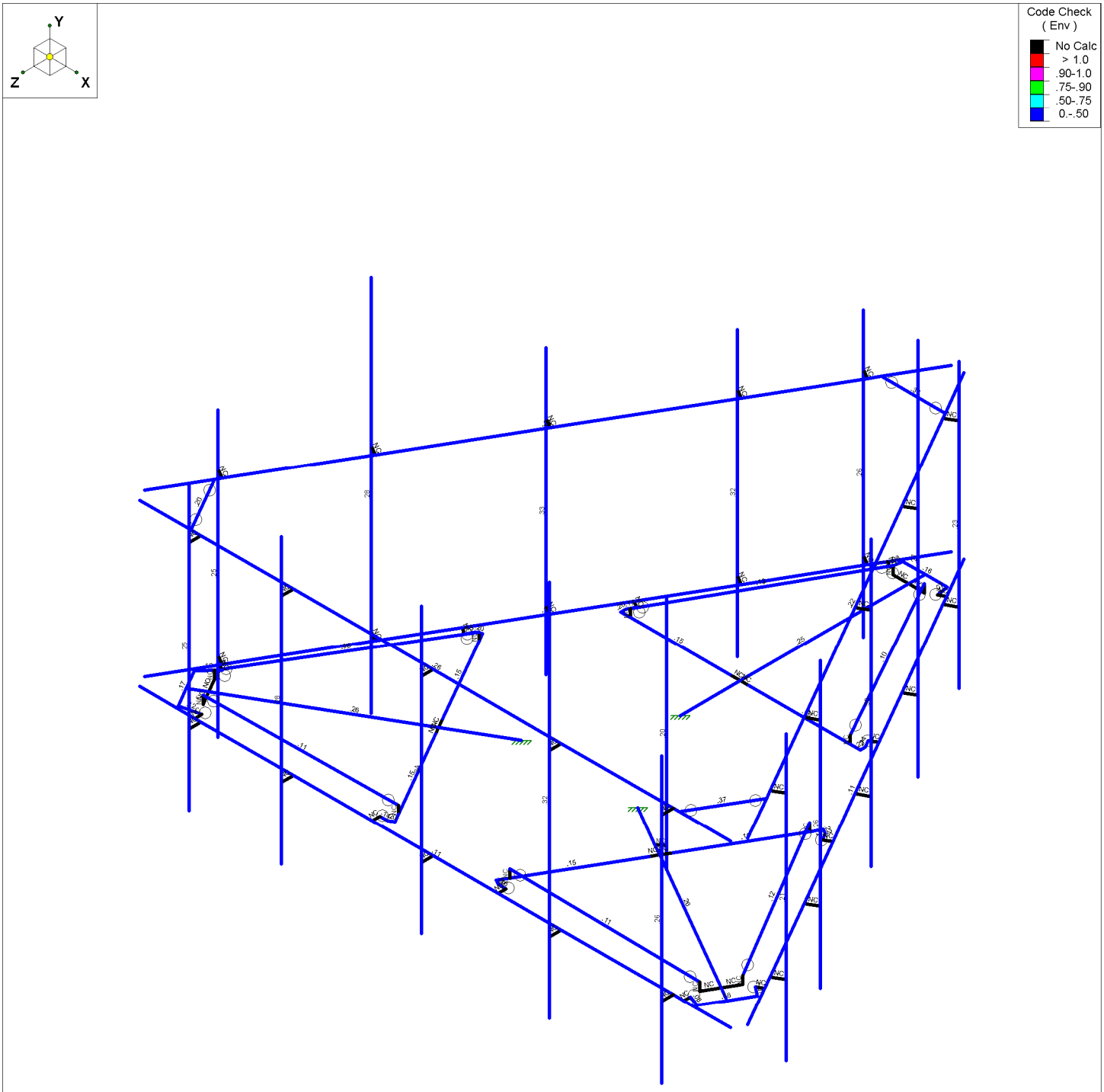


Label	Member Size	Bolt Size
A	8"Tx7"Wx.42"Flat	4-.50"U-Bolt
B	5'T/2.38"Dia.Pipe x.15"	2-.50"U-Bolt
M1	4'	
M2	5.50"	



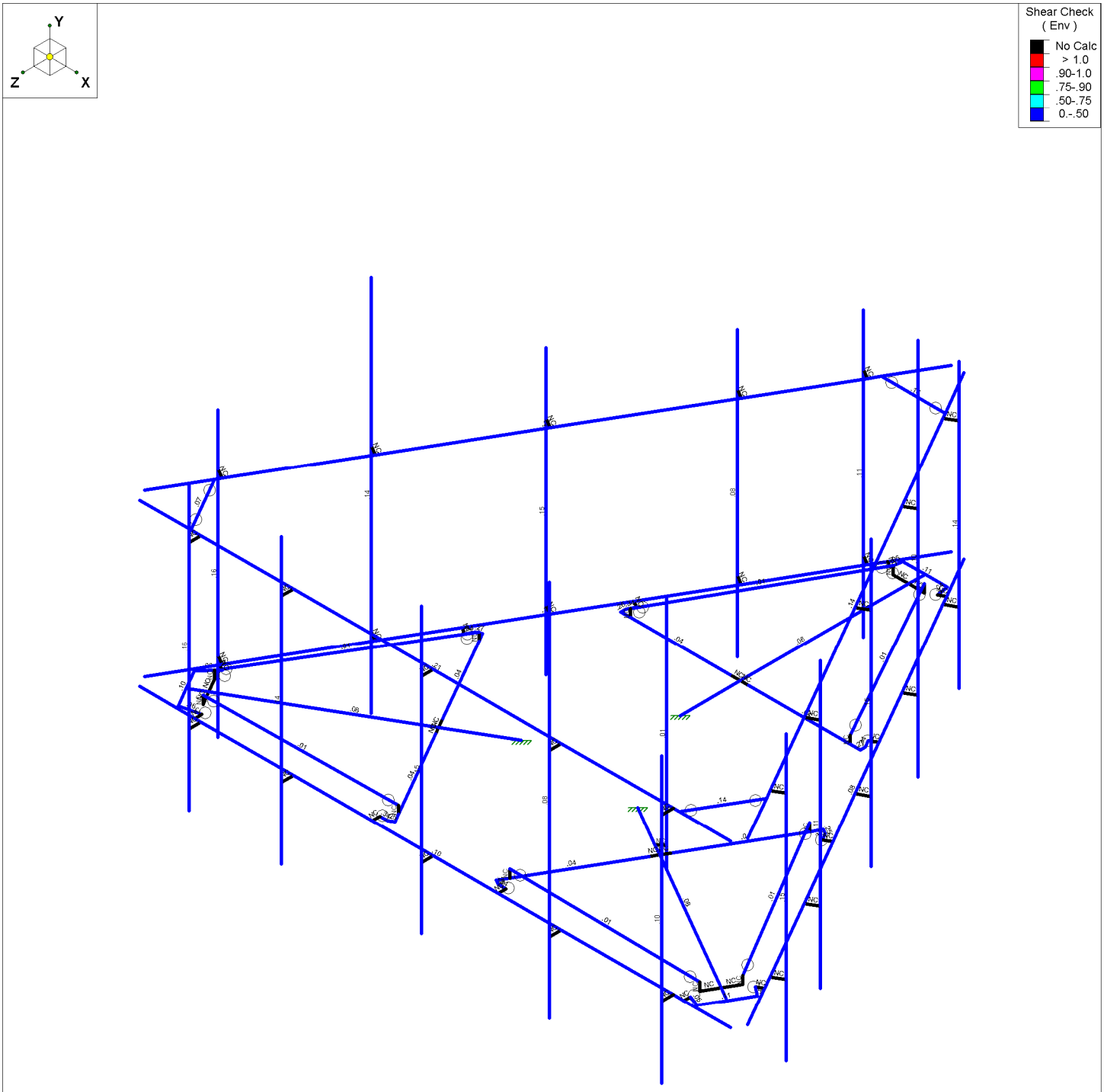
Envelope Only Solution

		SK - 1
		May 8, 2020 at 11:55 AM
		467707-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		May 8, 2020 at 11:56 AM
		467707-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 4
		May 8, 2020 at 11:56 AM
		467707-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 Deg)	None						122		
46	Structure Wo (150 Deg)	None						122		
47	Structure Wo (180 Deg)	None						122		
48	Structure Wo (210 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
49	Structure Wo (240 Deg)	None						122		
50	Structure Wo (270 Deg)	None						122		
51	Structure Wo (300 Deg)	None						122		
52	Structure Wo (330 Deg)	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		
57	Structure Wi (120 Deg)	None						122		
58	Structure Wi (150 Deg)	None						122		
59	Structure Wi (180 Deg)	None						122		
60	Structure Wi (210 Deg)	None						122		
61	Structure Wi (240 Deg)	None						122		
62	Structure Wi (270 Deg)	None						122		
63	Structure Wi (300 Deg)	None						122		
64	Structure Wi (330 Deg)	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 Deg)	None						122		
67	Structure Wm (60 Deg)	None						122		
68	Structure Wm (90 Deg)	None						122		
69	Structure Wm (120 Deg)	None						122		
70	Structure Wm (150 Deg)	None						122		
71	Structure Wm (180 Deg)	None						122		
72	Structure Wm (210 Deg)	None						122		
73	Structure Wm (240 Deg)	None						122		
74	Structure Wm (270 Deg)	None						122		
75	Structure Wm (300 Deg)	None						122		
76	Structure Wm (330 Deg)	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						27		
82	BLC 40 Transient Area Loads	None						27		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PD...	SRSS	B...	Fa...	B...	Fa...	BLC	Fa...	BLC	Fa...	BLC	Factor	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 De...	Y...	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 ...	Y...	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 ...	Y...	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 ...	Y...	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 ...	Y...	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 ...	Y...	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 ...	Y...	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 ...	Y...	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 ...	Y...	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 ...	Y...	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 ...	Y...	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 ...	Y...	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 De...	Y...	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 ...	Y...	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 ...	Y...	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 ...	Y...	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 ...	Y...	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 ...	Y...	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 ...	Y...	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 ...	Y...	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 ...	Y...	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 ...	Y...	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 ...	Y...	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 ...	Y...	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Y...	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Y...	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Y...	Y		1	1.4	39	1.4																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N3	-6.25	0	3.76495	0	
3	N4	6.25	0	3.76495	0	
4	N6	5.25	0	3.76495	0	
5	N7	-6.25	3.416667	3.76495	0	
6	N8	6.25	3.416667	3.76495	0	
7	N9	-4.958333	0	3.76495	0	
8	N10	-4.958333	3.416667	3.76495	0	
9	N11	-3.	0	3.76495	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
10	N12	-3.	3.416667	3.76495	0	
11	N13	-0.041667	0	3.76495	0	
12	N14	-0.041667	3.416667	3.76495	0	
13	N15	2.666667	0	3.76495	0	
14	N16	2.666667	3.416667	3.76495	0	
15	N17	5.041667	0	3.76495	0	
16	N18	5.041667	3.416667	3.76495	0	
17	N20	-4.958333	0	4.01495	0	
18	N21	-4.958333	3.416667	4.01495	0	
19	N22	-3.	0	4.01495	0	
20	N23	-3.	3.416667	4.01495	0	
21	N24	-0.041667	0	4.01495	0	
22	N25	-0.041667	3.416667	4.01495	0	
23	N26	2.666667	0	4.01495	0	
24	N27	2.666667	3.416667	4.01495	0	
25	N28	5.041667	0	4.01495	0	
26	N29	5.041667	3.416667	4.01495	0	
27	N28A	-4.958333	4.5	4.01495	0	
28	N29A	-3.	4.5	4.01495	0	
29	N30	5.041667	4.5	4.01495	0	
30	N31	-0.041667	4.708333	4.01495	0	
31	N32	2.666667	6.5	4.01495	0	
32	N33	-4.958333	-1.5	4.01495	0	
33	N34	-3.	-1.5	4.01495	0	
34	N35	5.041667	-1.5	4.01495	0	
35	N36	-0.041667	-1.291667	4.01495	0	
36	N37	2.666667	-1.5	4.01495	0	
37	N38	-5.166667	3.416667	3.76495	0	
38	N39	5.166667	3.416667	3.76495	0	
39	N41	6.385542	0	3.530184	0	
40	N42	0.135542	0	-7.295134	0	
41	N45	6.385542	3.416667	3.530184	0	
42	N46	0.135542	3.416667	-7.295134	0	
43	N47	5.739709	0	2.411568	0	
44	N48	5.739709	3.416667	2.411568	0	
45	N49	4.760542	0	0.715601	0	
46	N50	4.760542	3.416667	0.715601	0	
47	N51	3.281376	0	-1.846391	0	
48	N52	3.281376	3.416667	-1.846391	0	
49	N53	1.927209	0	-4.191876	0	
50	N54	1.927209	3.416667	-4.191876	0	
51	N55	0.739709	0	-6.248686	0	
52	N56	0.739709	3.416667	-6.248686	0	
53	N57	5.956215	0	2.286568	0	
54	N58	5.956215	3.416667	2.286568	0	
55	N59	4.977049	0	0.590601	0	
56	N60	4.977049	3.416667	0.590601	0	
57	N61	3.497882	0	-1.971391	0	
58	N62	3.497882	3.416667	-1.971391	0	
59	N63	2.143715	0	-4.316876	0	
60	N64	2.143715	3.416667	-4.316876	0	
61	N65	0.956215	0	-6.373686	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
62	N66	0.956215	3.416667	-6.373686	0	
63	N67	5.956215	4.5	2.286568	0	
64	N68	4.977049	4.5	0.590601	0	
65	N69	0.956215	4.5	-6.373686	0	
66	N70	3.497882	4.708333	-1.971391	0	
67	N71	2.143715	6.5	-4.316876	0	
68	N72	5.956215	-1.5	2.286568	0	
69	N73	4.977049	-1.5	0.590601	0	
70	N74	0.956215	-1.5	-6.373686	0	
71	N75	3.497882	-1.291667	-1.971391	0	
72	N76	2.143715	-1.5	-4.316876	0	
73	N80	-0.135542	0	-7.295134	0	
74	N81	-6.385542	0	3.530184	0	
75	N84	-0.135542	3.416667	-7.295134	0	
76	N85	-6.385542	3.416667	3.530184	0	
77	N86	-0.781376	0	-6.176518	0	
78	N87	-0.781376	3.416667	-6.176518	0	
79	N88	-1.760542	0	-4.480551	0	
80	N89	-1.760542	3.416667	-4.480551	0	
81	N90	-3.239709	0	-1.918559	0	
82	N91	-3.239709	3.416667	-1.918559	0	
83	N92	-4.593876	0	0.426926	0	
84	N93	-4.593876	3.416667	0.426926	0	
85	N94	-5.781376	0	2.483736	0	
86	N95	-5.781376	3.416667	2.483736	0	
87	N96	-0.997882	0	-6.301518	0	
88	N97	-0.997882	3.416667	-6.301518	0	
89	N98	-1.977049	0	-4.605551	0	
90	N99	-1.977049	3.416667	-4.605551	0	
91	N100	-3.456215	0	-2.043559	0	
92	N101	-3.456215	3.416667	-2.043559	0	
93	N102	-4.810382	0	0.301926	0	
94	N103	-4.810382	3.416667	0.301926	0	
95	N104	-5.997882	0	2.358736	0	
96	N105	-5.997882	3.416667	2.358736	0	
97	N106	-0.997882	4.5	-6.301518	0	
98	N107	-1.977049	4.5	-4.605551	0	
99	N108	-5.997882	4.5	2.358736	0	
100	N109	-3.456215	4.708333	-2.043559	0	
101	N110	-4.810382	6.5	0.301926	0	
102	N111	-0.997882	-1.5	-6.301518	0	
103	N112	-1.977049	-1.5	-4.605551	0	
104	N113	-5.997882	-1.5	2.358736	0	
105	N114	-3.456215	-1.291667	-2.043559	0	
106	N115	-4.810382	-1.5	0.301926	0	
107	N116A	-0.	0	-6.609108	0	
108	N117A	-0.	0	-1.421608	0	
109	N118	-5.723656	0	3.304554	0	
110	N119	-1.231149	0	0.710804	0	
111	N120	5.723656	0	3.304554	0	
112	N121	1.231149	0	0.710804	0	
113	N122	-1.333333	0	3.76495	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N123	1.333333	0	3.76495	0	
115	N124	-1.333333	0	3.598283	0	
116	N125	1.333333	0	3.598283	0	
117	N126	-1.166667	0	3.598283	0	
118	N127	1.166667	0	3.598283	0	
119	N128	-0.	0	-2.699942	0	
120	N129	-2.338218	0	1.349971	0	
121	N130	2.338218	0	1.349971	0	
122	N137	3.927209	0	-0.727774	0	
123	N138A	2.593876	0	-3.037176	0	
124	N139A	3.782871	0	-0.644441	0	
125	N140	2.449538	0	-2.953842	0	
126	N141	3.699538	0	-0.788779	0	
127	N142	2.532871	0	-2.809505	0	
128	N143	-2.593876	0	-3.037176	0	
129	N144	-3.927209	0	-0.727774	0	
130	N145A	-2.449538	0	-2.953842	0	
131	N146A	-3.782871	0	-0.644441	0	
132	N147	-2.532871	0	-2.809505	0	
133	N148	-3.699538	0	-0.788779	0	
134	N149	2.532871	0	-2.699942	0	
135	N150	-2.532871	0	-2.699942	0	
136	N149A	-0.166667	0	-2.699942	0	
137	N150A	0.166667	0	-2.699942	0	
138	N150B	-3.604654	0	-0.84356	0	
139	N151	-1.071782	0	3.543502	0	
140	N152	-2.254885	0	1.494308	0	
141	N153	-2.421551	0	1.205633	0	
142	N157	1.071782	0	3.543502	0	
143	N158	3.604654	0	-0.84356	0	
144	N159	2.421551	0	1.205633	0	
145	N160	2.254885	0	1.494308	0	
146	N158A	-5.489218	0	3.710612	0	
147	N159B	-5.083333	0	3.76495	0	
148	N160A	-5.083333	0	3.620612	0	
149	N153A	5.489218	0	3.710612	0	
150	N154	5.263333	0	3.76495	0	
151	N155	5.263333	0	3.620612	0	
152	N156	5.958094	0	2.898496	0	
153	N157A	5.892209	0	2.675705	0	
154	N158B	5.767209	0	2.747874	0	
155	N159A	0.468876	0	-6.609108	0	
156	N160B	0.628876	0	-6.440655	0	
157	N161	0.503876	0	-6.368487	0	
158	N162	-0.468876	0	-6.609108	0	
159	N163	-0.628876	0	-6.440655	0	
160	N164	-0.503876	0	-6.368487	0	
161	N165	-5.958094	0	2.898496	0	
162	N166	-5.802209	0	2.519821	0	
163	N167	-5.677209	0	2.59199	0	
164	N168	-2.324538	0	-2.699942	0	
165	N169	2.324538	0	-2.699942	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N170	-2.324538	0.166667	-2.699942	0	
167	N171	2.324538	0.166667	-2.699942	0	
168	N172	-0.	0	-6.262442	0	
169	N173	-0.333333	0	-6.262442	0	
170	N174	0.333333	0	-6.262442	0	
171	N175	-0.333333	0.166667	-6.262442	0	
172	N176	0.333333	0.166667	-6.262442	0	
173	N177	-1.175949	0	3.36308	0	
174	N178	-3.500487	0	-0.663138	0	
175	N179	-1.175949	0.166667	3.36308	0	
176	N180	-3.500487	0.166667	-0.663138	0	
177	N181	-5.423434	0	3.131221	0	
178	N182	-5.256767	0	3.419896	0	
179	N183	-5.5901	0	2.842546	0	
180	N184	-5.256767	0.166667	3.419896	0	
181	N185	-5.5901	0.166667	2.842546	0	
182	N186	3.500487	0	-0.663138	0	
183	N187	1.175949	0	3.36308	0	
184	N188	3.500487	0.166667	-0.663138	0	
185	N189	1.175949	0.166667	3.36308	0	
186	N190	5.423434	0	3.131221	0	
187	N191	5.5901	0	2.842546	0	
188	N192	5.256767	0	3.419896	0	
189	N193	5.5901	0.166667	2.842546	0	
190	N194	5.256767	0.166667	3.419896	0	
191	N195	2.10367	0	1.214554	0	
192	N196	2.22867	0	1.089554	0	
193	N197	2.22867	-0.458333	1.089554	0	
194	N198	2.22867	4.541667	1.089554	0	
195	N199	5.843876	3.416667	2.59199	0	
196	N200	0.677209	3.416667	-6.35694	0	
197	N201	-0.677209	3.416667	-6.35694	0	
198	N202	-5.843876	3.416667	2.59199	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Standoff Arm	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Cross brace	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	grating angles	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
5	bottom corner pl...	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
6	support rail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
8	handrail corner a...	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
9	crossbace plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A500 Gr. C	29000	11154	.3	.65	.49	46	1.5	62	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N4			horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M2	N7	N8			support rail	Beam	Pipe	A53 Gr.B	Typical
3	M3	N10	N21			RIGID	None	None	RIGID	Typical
4	M4	N9	N20			RIGID	None	None	RIGID	Typical
5	M5	N11	N22			RIGID	None	None	RIGID	Typical
6	M6	N12	N23			RIGID	None	None	RIGID	Typical
7	M7	N14	N25			RIGID	None	None	RIGID	Typical
8	M8	N15	N26			RIGID	None	None	RIGID	Typical
9	M9	N16	N27			RIGID	None	None	RIGID	Typical
10	M10	N18	N29			RIGID	None	None	RIGID	Typical
11	M11	N17	N28			RIGID	None	None	RIGID	Typical
12	M12	N13	N24			RIGID	None	None	RIGID	Typical
13	MP5A	N28A	N33			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
14	MP4A	N29A	N34			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
15	MP3A	N31	N36			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
16	MP2A	N32	N37			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
17	MP1A	N30	N35			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
18	M18	N41	N42			horizontal	Beam	Pipe	A53 Gr.B	Typical
19	M19	N45	N46			support rail	Beam	Pipe	A53 Gr.B	Typical
20	M20	N48	N58			RIGID	None	None	RIGID	Typical
21	M21	N47	N57			RIGID	None	None	RIGID	Typical
22	M22	N49	N59			RIGID	None	None	RIGID	Typical
23	M23	N50	N60			RIGID	None	None	RIGID	Typical
24	M24	N52	N62			RIGID	None	None	RIGID	Typical
25	M25	N53	N63			RIGID	None	None	RIGID	Typical
26	M26	N54	N64			RIGID	None	None	RIGID	Typical
27	M27	N56	N66			RIGID	None	None	RIGID	Typical
28	M28	N55	N65			RIGID	None	None	RIGID	Typical
29	M29	N51	N61			RIGID	None	None	RIGID	Typical
30	MP5C	N67	N72			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
31	MP4C	N68	N73			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
32	MP3C	N70	N75			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
33	MP2C	N71	N76			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
34	MP1C	N69	N74			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
35	M35	N80	N81			horizontal	Beam	Pipe	A53 Gr.B	Typical
36	M36	N84	N85			support rail	Beam	Pipe	A53 Gr.B	Typical
37	M37	N87	N97			RIGID	None	None	RIGID	Typical
38	M38	N86	N96			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
39	M39	N88	N98			RIGID	None	None	RIGID	Typical
40	M40	N89	N99			RIGID	None	None	RIGID	Typical
41	M41	N91	N101			RIGID	None	None	RIGID	Typical
42	M42	N92	N102			RIGID	None	None	RIGID	Typical
43	M43	N93	N103			RIGID	None	None	RIGID	Typical
44	M44	N95	N105			RIGID	None	None	RIGID	Typical
45	M45	N94	N104			RIGID	None	None	RIGID	Typical
46	M46	N90	N100			RIGID	None	None	RIGID	Typical
47	MP5B	N106	N111			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
48	MP4B	N107	N112			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
49	MP3B	N109	N114			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
50	MP2B	N110	N115			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
51	MP1B	N108	N113			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
52	M52	N202	N38		90	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
53	M53	N199	N39		180	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
54	M54	N201	N200		180	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
55	M58	N116A	N117A			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
56	M59	N118	N119			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
57	M60	N120	N121			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
58	M61	N122	N124			RIGID	None	None	RIGID	Typical
59	M62	N123	N125			RIGID	None	None	RIGID	Typical
60	M63	N124	N126			crossbace plate	Column	RECT	A36 Gr.36	Typical
61	M64	N125	N127			crossbace plate	Column	RECT	A36 Gr.36	Typical
62	M79	N137	N139A			RIGID	None	None	RIGID	Typical
63	M80	N138A	N140			RIGID	None	None	RIGID	Typical
64	M81	N139A	N141			crossbace plate	Column	RECT	A36 Gr.36	Typical
65	M82	N140	N142			crossbace plate	Column	RECT	A36 Gr.36	Typical
66	M83	N143	N145A			RIGID	None	None	RIGID	Typical
67	M84	N144	N146A			RIGID	None	None	RIGID	Typical
68	M85	N145A	N147			crossbace plate	Column	RECT	A36 Gr.36	Typical
69	M86	N146A	N148			crossbace plate	Column	RECT	A36 Gr.36	Typical
70	M91	N142	N149			crossbace plate	Column	RECT	A36 Gr.36	Typical
71	M92	N147	N150			crossbace plate	Column	RECT	A36 Gr.36	Typical
72	M80A	N149A	N150			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
73	M80B	N150A	N149			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
74	M81A	N149A	N128			RIGID	None	None	RIGID	Typical
75	M82A	N150A	N128			RIGID	None	None	RIGID	Typical
76	M79A	N148	N150B			crossbace plate	Column	RECT	A36 Gr.36	Typical
77	M80C	N126	N151			crossbace plate	Column	RECT	A36 Gr.36	Typical
78	M81B	N152	N151			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
79	M82B	N153	N150B			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
80	M83A	N152	N129			RIGID	None	None	RIGID	Typical
81	M84A	N153	N129			RIGID	None	None	RIGID	Typical
82	M85A	N127	N157			crossbace plate	Column	RECT	A36 Gr.36	Typical
83	M86A	N141	N158			crossbace plate	Column	RECT	A36 Gr.36	Typical
84	M87	N159	N158			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
85	M88	N160	N157			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
86	M89	N159	N130			RIGID	None	None	RIGID	Typical
87	M90	N160	N130			RIGID	None	None	RIGID	Typical
88	M92A	N160A	N159B			RIGID	None	None	RIGID	Typical
89	M93	N158A	N160A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
90	M90A	N155	N154			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
91	M91A	N153A	N155			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
92	M92B	N158B	N157A			RIGID	None	None	RIGID	Typical
93	M93A	N156	N158B			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
94	M94	N161	N160B			RIGID	None	None	RIGID	Typical
95	M95	N159A	N161			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
96	M96	N164	N163			RIGID	None	None	RIGID	Typical
97	M97	N162	N164			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
98	M98	N167	N166			RIGID	None	None	RIGID	Typical
99	M99	N165	N167			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
100	M104	N165	N158A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
101	M105	N156	N153A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
102	M106	N162	N159A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
103	M107	N172	N173			RIGID	None	None	RIGID	Typical
104	M108	N173	N175			RIGID	None	None	RIGID	Typical
105	M109	N172	N174			RIGID	None	None	RIGID	Typical
106	M110	N174	N176			RIGID	None	None	RIGID	Typical
107	M111	N175	N170		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
108	M112	N176	N171			grating angles	Beam	Single Angle	A36 Gr.36	Typical
109	M113	N170	N168			RIGID	None	None	RIGID	Typical
110	M114	N171	N169			RIGID	None	None	RIGID	Typical
111	M115	N181	N182			RIGID	None	None	RIGID	Typical
112	M116	N182	N184			RIGID	None	None	RIGID	Typical
113	M117	N181	N183			RIGID	None	None	RIGID	Typical
114	M118	N183	N185			RIGID	None	None	RIGID	Typical
115	M119	N184	N179		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
116	M120	N185	N180			grating angles	Beam	Single Angle	A36 Gr.36	Typical
117	M121	N179	N177			RIGID	None	None	RIGID	Typical
118	M122	N180	N178			RIGID	None	None	RIGID	Typical
119	M123	N190	N191			RIGID	None	None	RIGID	Typical
120	M124	N191	N193			RIGID	None	None	RIGID	Typical
121	M125	N190	N192			RIGID	None	None	RIGID	Typical
122	M126	N192	N194			RIGID	None	None	RIGID	Typical
123	M127	N193	N188		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
124	M128	N194	N189			grating angles	Beam	Single Angle	A36 Gr.36	Typical
125	M129	N188	N186			RIGID	None	None	RIGID	Typical
126	M130	N189	N187			RIGID	None	None	RIGID	Typical
127	M127A	N195	N196			RIGID	None	None	RIGID	Typical
128	M128A	N198	N197			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						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...
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	MP5A						Yes	** NA **			None
14	MP4A						Yes	** NA **			None
15	MP3A						Yes	** NA **			None
16	MP2A						Yes	** NA **			None
17	MP1A						Yes	** NA **			None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	MP5C						Yes	** NA **			None
31	MP4C						Yes	** NA **			None
32	MP3C						Yes	** NA **			None
33	MP2C						Yes	** NA **			None
34	MP1C						Yes	** NA **			None
35	M35						Yes				None
36	M36						Yes				None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP5B						Yes	** NA **			None
48	MP4B						Yes	** NA **			None
49	MP3B						Yes	** NA **			None
50	MP2B						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52	OOOOXO	OOOOXO				Yes	Default			None
53	M53	OOOOOX	OOOOOX				Yes				None
54	M54	OOOOOX	OOOOOX				Yes				None
55	M58						Yes				None
56	M59						Yes				None
57	M60						Yes				None
58	M61	BenPIN					Yes	** NA **			None
59	M62	BenPIN					Yes	** NA **			None
60	M63						Yes	** NA **			None
61	M64						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...
62	M79	BenPIN					Yes	** NA **			None
63	M80	BenPIN					Yes	** NA **			None
64	M81						Yes	** NA **			None
65	M82						Yes	** NA **			None
66	M83	BenPIN					Yes	** NA **			None
67	M84	BenPIN					Yes	** NA **			None
68	M85						Yes	** NA **			None
69	M86						Yes	** NA **			None
70	M91						Yes	** NA **			None
71	M92						Yes	** NA **			None
72	M80A						Yes				None
73	M80B						Yes				None
74	M81A						Yes	** NA **			None
75	M82A						Yes	** NA **			None
76	M79A						Yes	** NA **			None
77	M80C						Yes	** NA **			None
78	M81B						Yes				None
79	M82B						Yes				None
80	M83A						Yes	** NA **			None
81	M84A						Yes	** NA **			None
82	M85A						Yes	** NA **			None
83	M86A						Yes	** NA **			None
84	M87						Yes				None
85	M88						Yes				None
86	M89						Yes	** NA **			None
87	M90						Yes	** NA **			None
88	M92A		BenPIN				Yes	** NA **			None
89	M93						Yes				None
90	M90A		BenPIN				Yes	** NA **			None
91	M91A						Yes				None
92	M92B		BenPIN				Yes	** NA **			None
93	M93A						Yes				None
94	M94		BenPIN				Yes	** NA **			None
95	M95						Yes				None
96	M96		BenPIN				Yes	** NA **			None
97	M97						Yes				None
98	M98		BenPIN				Yes	** NA **			None
99	M99						Yes				None
100	M104						Yes				None
101	M105						Yes				None
102	M106						Yes				None
103	M107						Yes	** NA **			None
104	M108						Yes	** NA **			None
105	M109						Yes	** NA **			None
106	M110						Yes	** NA **			None
107	M111	OOOOXO	OOOOXO				Yes	Default			None
108	M112	OOOOOX	OOOOOX				Yes				None
109	M113						Yes	** NA **			None
110	M114						Yes	** NA **			None
111	M115						Yes	** NA **			None
112	M116						Yes	** NA **			None
113	M117						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...
114	M118						Yes	** NA **			None
115	M119	OOOOXO	OOOOXO				Yes	Default			None
116	M120	OOOOOX	OOOOOX				Yes				None
117	M121						Yes	** NA **			None
118	M122						Yes	** NA **			None
119	M123						Yes	** NA **			None
120	M124						Yes	** NA **			None
121	M125						Yes	** NA **			None
122	M126						Yes	** NA **			None
123	M127	OOOOXO	OOOOXO				Yes	Default			None
124	M128	OOOOOX	OOOOOX				Yes				None
125	M129						Yes	** NA **			None
126	M130						Yes	** NA **			None
127	M127A						Yes	** NA **			None
128	M128A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-6	1.5
2	MP1A	My	-.004	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-6	4
5	MP1A	My	-.004	4
6	MP1A	Mz	0	4
7	MP1B	Y	-6	1.5
8	MP1B	My	.003	1.5
9	MP1B	Mz	-.004	1.5
10	MP1B	Y	-6	4
11	MP1B	My	.003	4
12	MP1B	Mz	-.004	4
13	MP1C	Y	-6	1.5
14	MP1C	My	.002	1.5
15	MP1C	Mz	.004	1.5
16	MP1C	Y	-6	4
17	MP1C	My	.002	4
18	MP1C	Mz	.004	4
19	MP5A	Y	-6	1.5
20	MP5A	My	-.004	1.5
21	MP5A	Mz	0	1.5
22	MP5A	Y	-6	4
23	MP5A	My	-.004	4
24	MP5A	Mz	0	4
25	MP5B	Y	-6	1.5
26	MP5B	My	.003	1.5
27	MP5B	Mz	-.004	1.5
28	MP5B	Y	-6	4
29	MP5B	My	.003	4
30	MP5B	Mz	-.004	4
31	MP5C	Y	-6	1.5
32	MP5C	My	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP5C	Mz	.004	1.5
34	MP5C	Y	-6	4
35	MP5C	My	.002	4
36	MP5C	Mz	.004	4
37	MP3A	Y	-31.65	1.5
38	MP3A	My	-.034	1.5
39	MP3A	Mz	.021	1.5
40	MP3A	Y	-31.65	6
41	MP3A	My	-.034	6
42	MP3A	Mz	.021	6
43	MP3B	Y	-31.65	1.5
44	MP3B	My	-.001	1.5
45	MP3B	Mz	-.04	1.5
46	MP3B	Y	-31.65	6
47	MP3B	My	-.001	6
48	MP3B	Mz	-.04	6
49	MP3C	Y	-31.65	1.5
50	MP3C	My	.035	1.5
51	MP3C	Mz	.019	1.5
52	MP3C	Y	-31.65	6
53	MP3C	My	.035	6
54	MP3C	Mz	.019	6
55	MP3A	Y	-31.65	1.5
56	MP3A	My	-.034	1.5
57	MP3A	Mz	-.021	1.5
58	MP3A	Y	-31.65	6
59	MP3A	My	-.034	6
60	MP3A	Mz	-.021	6
61	MP3B	Y	-31.65	1.5
62	MP3B	My	.035	1.5
63	MP3B	Mz	-.019	1.5
64	MP3B	Y	-31.65	6
65	MP3B	My	.035	6
66	MP3B	Mz	-.019	6
67	MP3C	Y	-31.65	1.5
68	MP3C	My	-.001	1.5
69	MP3C	Mz	.04	1.5
70	MP3C	Y	-31.65	6
71	MP3C	My	-.001	6
72	MP3C	Mz	.04	6
73	M128A	Y	-26.9	1
74	M128A	My	0	1
75	M128A	Mz	0	1
76	MP4A	Y	-10.4	3
77	MP4A	My	.005	3
78	MP4A	Mz	0	3
79	MP4B	Y	-10.4	3
80	MP4B	My	-.003	3
81	MP4B	Mz	.005	3
82	MP4C	Y	-10.4	3
83	MP4C	My	-.003	3
84	MP4C	Mz	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3A	Y	-70	3
86	MP3A	My	.035	3
87	MP3A	Mz	0	3
88	MP3B	Y	-70	3
89	MP3B	My	-.018	3
90	MP3B	Mz	.03	3
91	MP3C	Y	-70	3
92	MP3C	My	-.018	3
93	MP3C	Mz	-.03	3
94	MP3A	Y	-73	5
95	MP3A	My	.036	5
96	MP3A	Mz	0	5
97	MP3B	Y	-73	5
98	MP3B	My	-.018	5
99	MP3B	Mz	.032	5
100	MP3C	Y	-73	5
101	MP3C	My	-.018	5
102	MP3C	Mz	-.032	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-40.574	1.5
2	MP1A	My	-.03	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-40.574	4
5	MP1A	My	-.03	4
6	MP1A	Mz	0	4
7	MP1B	Y	-40.574	1.5
8	MP1B	My	.017	1.5
9	MP1B	Mz	-.025	1.5
10	MP1B	Y	-40.574	4
11	MP1B	My	.017	4
12	MP1B	Mz	-.025	4
13	MP1C	Y	-40.574	1.5
14	MP1C	My	.013	1.5
15	MP1C	Mz	.028	1.5
16	MP1C	Y	-40.574	4
17	MP1C	My	.013	4
18	MP1C	Mz	.028	4
19	MP5A	Y	-40.574	1.5
20	MP5A	My	-.03	1.5
21	MP5A	Mz	0	1.5
22	MP5A	Y	-40.574	4
23	MP5A	My	-.03	4
24	MP5A	Mz	0	4
25	MP5B	Y	-40.574	1.5
26	MP5B	My	.017	1.5
27	MP5B	Mz	-.025	1.5
28	MP5B	Y	-40.574	4
29	MP5B	My	.017	4
30	MP5B	Mz	-.025	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP5C	Y	-40.574	1.5
32	MP5C	My	.013	1.5
33	MP5C	Mz	.028	1.5
34	MP5C	Y	-40.574	4
35	MP5C	My	.013	4
36	MP5C	Mz	.028	4
37	MP3A	Y	-70.42	1.5
38	MP3A	My	-.076	1.5
39	MP3A	Mz	.047	1.5
40	MP3A	Y	-70.42	6
41	MP3A	My	-.076	6
42	MP3A	Mz	.047	6
43	MP3B	Y	-70.42	1.5
44	MP3B	My	-.003	1.5
45	MP3B	Mz	-.09	1.5
46	MP3B	Y	-70.42	6
47	MP3B	My	-.003	6
48	MP3B	Mz	-.09	6
49	MP3C	Y	-70.42	1.5
50	MP3C	My	.079	1.5
51	MP3C	Mz	.043	1.5
52	MP3C	Y	-70.42	6
53	MP3C	My	.079	6
54	MP3C	Mz	.043	6
55	MP3A	Y	-70.42	1.5
56	MP3A	My	-.076	1.5
57	MP3A	Mz	-.047	1.5
58	MP3A	Y	-70.42	6
59	MP3A	My	-.076	6
60	MP3A	Mz	-.047	6
61	MP3B	Y	-70.42	1.5
62	MP3B	My	.079	1.5
63	MP3B	Mz	-.043	1.5
64	MP3B	Y	-70.42	6
65	MP3B	My	.079	6
66	MP3B	Mz	-.043	6
67	MP3C	Y	-70.42	1.5
68	MP3C	My	-.003	1.5
69	MP3C	Mz	.09	1.5
70	MP3C	Y	-70.42	6
71	MP3C	My	-.003	6
72	MP3C	Mz	.09	6
73	M128A	Y	-55.671	1
74	M128A	My	0	1
75	M128A	Mz	0	1
76	MP4A	Y	-10.825	3
77	MP4A	My	.005	3
78	MP4A	Mz	0	3
79	MP4B	Y	-10.825	3
80	MP4B	My	-.003	3
81	MP4B	Mz	.005	3
82	MP4C	Y	-10.825	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP4C	My	-.003	3
84	MP4C	Mz	-.005	3
85	MP3A	Y	-39.998	3
86	MP3A	My	.02	3
87	MP3A	Mz	0	3
88	MP3B	Y	-39.998	3
89	MP3B	My	-.01	3
90	MP3B	Mz	.017	3
91	MP3C	Y	-39.998	3
92	MP3C	My	-.01	3
93	MP3C	Mz	-.017	3
94	MP3A	Y	-38.987	5
95	MP3A	My	.019	5
96	MP3A	Mz	0	5
97	MP3B	Y	-38.987	5
98	MP3B	My	-.01	5
99	MP3B	Mz	.017	5
100	MP3C	Y	-38.987	5
101	MP3C	My	-.01	5
102	MP3C	Mz	-.017	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-44.416	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4
5	MP1A	Z	-44.416	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	-76.262	1.5
9	MP1B	Mx	.047	1.5
10	MP1B	X	0	4
11	MP1B	Z	-76.262	4
12	MP1B	Mx	.047	4
13	MP1C	X	0	1.5
14	MP1C	Z	-83.399	1.5
15	MP1C	Mx	-.057	1.5
16	MP1C	X	0	4
17	MP1C	Z	-83.399	4
18	MP1C	Mx	-.057	4
19	MP5A	X	0	1.5
20	MP5A	Z	-44.416	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	-44.416	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	-76.262	1.5
27	MP5B	Mx	.047	1.5
28	MP5B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	-76.262	4
30	MP5B	Mx	.047	4
31	MP5C	X	0	1.5
32	MP5C	Z	-83.399	1.5
33	MP5C	Mx	-.057	1.5
34	MP5C	X	0	4
35	MP5C	Z	-83.399	4
36	MP5C	Mx	-.057	4
37	MP3A	X	0	1.5
38	MP3A	Z	-155.031	1.5
39	MP3A	Mx	-.103	1.5
40	MP3A	X	0	6
41	MP3A	Z	-155.031	6
42	MP3A	Mx	-.103	6
43	MP3B	X	0	1.5
44	MP3B	Z	-115.124	1.5
45	MP3B	Mx	.146	1.5
46	MP3B	X	0	6
47	MP3B	Z	-115.124	6
48	MP3B	Mx	.146	6
49	MP3C	X	0	1.5
50	MP3C	Z	-115.124	1.5
51	MP3C	Mx	-.07	1.5
52	MP3C	X	0	6
53	MP3C	Z	-115.124	6
54	MP3C	Mx	-.07	6
55	MP3A	X	0	1.5
56	MP3A	Z	-155.031	1.5
57	MP3A	Mx	.103	1.5
58	MP3A	X	0	6
59	MP3A	Z	-155.031	6
60	MP3A	Mx	.103	6
61	MP3B	X	0	1.5
62	MP3B	Z	-115.124	1.5
63	MP3B	Mx	.07	1.5
64	MP3B	X	0	6
65	MP3B	Z	-115.124	6
66	MP3B	Mx	.07	6
67	MP3C	X	0	1.5
68	MP3C	Z	-115.124	1.5
69	MP3C	Mx	-.146	1.5
70	MP3C	X	0	6
71	MP3C	Z	-115.124	6
72	MP3C	Mx	-.146	6
73	M128A	X	0	1
74	M128A	Z	-85.088	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	-12.593	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	-9.683	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4B	Mx	-.004	3
82	MP4C	X	0	3
83	MP4C	Z	-9.683	3
84	MP4C	Mx	.004	3
85	MP3A	X	0	3
86	MP3A	Z	-55.818	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	-43.629	3
90	MP3B	Mx	-.019	3
91	MP3C	X	0	3
92	MP3C	Z	-43.629	3
93	MP3C	Mx	.019	3
94	MP3A	X	0	5
95	MP3A	Z	-55.818	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	-37.566	5
99	MP3B	Mx	-.016	5
100	MP3C	X	0	5
101	MP3C	Z	-37.566	5
102	MP3C	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.141	1.5
2	MP1A	Z	-48.741	1.5
3	MP1A	Mx	-.021	1.5
4	MP1A	X	28.141	4
5	MP1A	Z	-48.741	4
6	MP1A	Mx	-.021	4
7	MP1B	X	45.758	1.5
8	MP1B	Z	-79.255	1.5
9	MP1B	Mx	.068	1.5
10	MP1B	X	45.758	4
11	MP1B	Z	-79.255	4
12	MP1B	Mx	.068	4
13	MP1C	X	30.015	1.5
14	MP1C	Z	-51.987	1.5
15	MP1C	Mx	-.026	1.5
16	MP1C	X	30.015	4
17	MP1C	Z	-51.987	4
18	MP1C	Mx	-.026	4
19	MP5A	X	28.141	1.5
20	MP5A	Z	-48.741	1.5
21	MP5A	Mx	-.021	1.5
22	MP5A	X	28.141	4
23	MP5A	Z	-48.741	4
24	MP5A	Mx	-.021	4
25	MP5B	X	45.758	1.5
26	MP5B	Z	-79.255	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP5B	Mx	.068	1.5
28	MP5B	X	45.758	4
29	MP5B	Z	-79.255	4
30	MP5B	Mx	.068	4
31	MP5C	X	30.015	1.5
32	MP5C	Z	-51.987	1.5
33	MP5C	Mx	-.026	1.5
34	MP5C	X	30.015	4
35	MP5C	Z	-51.987	4
36	MP5C	Mx	-.026	4
37	MP3A	X	70.864	1.5
38	MP3A	Z	-122.741	1.5
39	MP3A	Mx	-.159	1.5
40	MP3A	X	70.864	6
41	MP3A	Z	-122.741	6
42	MP3A	Mx	-.159	6
43	MP3B	X	50.911	1.5
44	MP3B	Z	-88.181	1.5
45	MP3B	Mx	.11	1.5
46	MP3B	X	50.911	6
47	MP3B	Z	-88.181	6
48	MP3B	Mx	.11	6
49	MP3C	X	70.864	1.5
50	MP3C	Z	-122.741	1.5
51	MP3C	Mx	.005	1.5
52	MP3C	X	70.864	6
53	MP3C	Z	-122.741	6
54	MP3C	Mx	.005	6
55	MP3A	X	70.864	1.5
56	MP3A	Z	-122.741	1.5
57	MP3A	Mx	.005	1.5
58	MP3A	X	70.864	6
59	MP3A	Z	-122.741	6
60	MP3A	Mx	.005	6
61	MP3B	X	50.911	1.5
62	MP3B	Z	-88.181	1.5
63	MP3B	Mx	.11	1.5
64	MP3B	X	50.911	6
65	MP3B	Z	-88.181	6
66	MP3B	Mx	.11	6
67	MP3C	X	70.864	1.5
68	MP3C	Z	-122.741	1.5
69	MP3C	Mx	-.159	1.5
70	MP3C	X	70.864	6
71	MP3C	Z	-122.741	6
72	MP3C	Mx	-.159	6
73	M128A	X	38.815	1
74	M128A	Z	-67.23	1
75	M128A	Mx	0	1
76	MP4A	X	5.812	3
77	MP4A	Z	-10.066	3
78	MP4A	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP4B	X	4.357	3
80	MP4B	Z	-7.546	3
81	MP4B	Mx	-.004	3
82	MP4C	X	5.812	3
83	MP4C	Z	-10.066	3
84	MP4C	Mx	.003	3
85	MP3A	X	25.877	3
86	MP3A	Z	-44.821	3
87	MP3A	Mx	.013	3
88	MP3B	X	19.783	3
89	MP3B	Z	-34.265	3
90	MP3B	Mx	-.02	3
91	MP3C	X	25.877	3
92	MP3C	Z	-44.821	3
93	MP3C	Mx	.013	3
94	MP3A	X	24.867	5
95	MP3A	Z	-43.071	5
96	MP3A	Mx	.012	5
97	MP3B	X	15.741	5
98	MP3B	Z	-27.265	5
99	MP3B	Mx	-.016	5
100	MP3C	X	24.867	5
101	MP3C	Z	-43.071	5
102	MP3C	Mx	.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	69.292	1.5
2	MP1A	Z	-40.006	1.5
3	MP1A	Mx	-.052	1.5
4	MP1A	X	69.292	4
5	MP1A	Z	-40.006	4
6	MP1A	Mx	-.052	4
7	MP1B	X	72.226	1.5
8	MP1B	Z	-41.7	1.5
9	MP1B	Mx	.057	1.5
10	MP1B	X	72.226	4
11	MP1B	Z	-41.7	4
12	MP1B	Mx	.057	4
13	MP1C	X	38.778	1.5
14	MP1C	Z	-22.388	1.5
15	MP1C	Mx	-.003	1.5
16	MP1C	X	38.778	4
17	MP1C	Z	-22.388	4
18	MP1C	Mx	-.003	4
19	MP5A	X	69.292	1.5
20	MP5A	Z	-40.006	1.5
21	MP5A	Mx	-.052	1.5
22	MP5A	X	69.292	4
23	MP5A	Z	-40.006	4
24	MP5A	Mx	-.052	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP5B	X	72.226	1.5
26	MP5B	Z	-41.7	1.5
27	MP5B	Mx	.057	1.5
28	MP5B	X	72.226	4
29	MP5B	Z	-41.7	4
30	MP5B	Mx	.057	4
31	MP5C	X	38.778	1.5
32	MP5C	Z	-22.388	1.5
33	MP5C	Mx	-.003	1.5
34	MP5C	X	38.778	4
35	MP5C	Z	-22.388	4
36	MP5C	Mx	-.003	4
37	MP3A	X	99.701	1.5
38	MP3A	Z	-57.562	1.5
39	MP3A	Mx	-.146	1.5
40	MP3A	X	99.701	6
41	MP3A	Z	-57.562	6
42	MP3A	Mx	-.146	6
43	MP3B	X	99.701	1.5
44	MP3B	Z	-57.562	1.5
45	MP3B	Mx	.07	1.5
46	MP3B	X	99.701	6
47	MP3B	Z	-57.562	6
48	MP3B	Mx	.07	6
49	MP3C	X	134.261	1.5
50	MP3C	Z	-77.515	1.5
51	MP3C	Mx	.103	1.5
52	MP3C	X	134.261	6
53	MP3C	Z	-77.515	6
54	MP3C	Mx	.103	6
55	MP3A	X	99.701	1.5
56	MP3A	Z	-57.562	1.5
57	MP3A	Mx	-.07	1.5
58	MP3A	X	99.701	6
59	MP3A	Z	-57.562	6
60	MP3A	Mx	-.07	6
61	MP3B	X	99.701	1.5
62	MP3B	Z	-57.562	1.5
63	MP3B	Mx	.146	1.5
64	MP3B	X	99.701	6
65	MP3B	Z	-57.562	6
66	MP3B	Mx	.146	6
67	MP3C	X	134.261	1.5
68	MP3C	Z	-77.515	1.5
69	MP3C	Mx	-.103	1.5
70	MP3C	X	134.261	6
71	MP3C	Z	-77.515	6
72	MP3C	Mx	-.103	6
73	M128A	X	54.312	1
74	M128A	Z	-31.357	1
75	M128A	Mx	0	1
76	MP4A	X	8.386	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4A	Z	-4.842	3
78	MP4A	Mx	.004	3
79	MP4B	X	8.386	3
80	MP4B	Z	-4.842	3
81	MP4B	Mx	-.004	3
82	MP4C	X	10.906	3
83	MP4C	Z	-6.297	3
84	MP4C	Mx	0	3
85	MP3A	X	37.784	3
86	MP3A	Z	-21.815	3
87	MP3A	Mx	.019	3
88	MP3B	X	37.784	3
89	MP3B	Z	-21.815	3
90	MP3B	Mx	-.019	3
91	MP3C	X	48.34	3
92	MP3C	Z	-27.909	3
93	MP3C	Mx	0	3
94	MP3A	X	32.534	5
95	MP3A	Z	-18.783	5
96	MP3A	Mx	.016	5
97	MP3B	X	32.534	5
98	MP3B	Z	-18.783	5
99	MP3B	Mx	-.016	5
100	MP3C	X	48.34	5
101	MP3C	Z	-27.909	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	91.876	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.069	1.5
4	MP1A	X	91.876	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.069	4
7	MP1B	X	60.03	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.026	1.5
10	MP1B	X	60.03	4
11	MP1B	Z	0	4
12	MP1B	Mx	.026	4
13	MP1C	X	52.893	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.017	1.5
16	MP1C	X	52.893	4
17	MP1C	Z	0	4
18	MP1C	Mx	.017	4
19	MP5A	X	91.876	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.069	1.5
22	MP5A	X	91.876	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP5A	Z	0	4
24	MP5A	Mx	-.069	4
25	MP5B	X	60.03	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.026	1.5
28	MP5B	X	60.03	4
29	MP5B	Z	0	4
30	MP5B	Mx	.026	4
31	MP5C	X	52.893	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.017	1.5
34	MP5C	X	52.893	4
35	MP5C	Z	0	4
36	MP5C	Mx	.017	4
37	MP3A	X	101.822	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.11	1.5
40	MP3A	X	101.822	6
41	MP3A	Z	0	6
42	MP3A	Mx	-.11	6
43	MP3B	X	141.729	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.005	1.5
46	MP3B	X	141.729	6
47	MP3B	Z	0	6
48	MP3B	Mx	-.005	6
49	MP3C	X	141.729	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.159	1.5
52	MP3C	X	141.729	6
53	MP3C	Z	0	6
54	MP3C	Mx	.159	6
55	MP3A	X	101.822	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.11	1.5
58	MP3A	X	101.822	6
59	MP3A	Z	0	6
60	MP3A	Mx	-.11	6
61	MP3B	X	141.729	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.159	1.5
64	MP3B	X	141.729	6
65	MP3B	Z	0	6
66	MP3B	Mx	.159	6
67	MP3C	X	141.729	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	-.005	1.5
70	MP3C	X	141.729	6
71	MP3C	Z	0	6
72	MP3C	Mx	-.005	6
73	M128A	X	55.256	1
74	M128A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M128A	Mx	0	1
76	MP4A	X	8.713	3
77	MP4A	Z	0	3
78	MP4A	Mx	.004	3
79	MP4B	X	11.623	3
80	MP4B	Z	0	3
81	MP4B	Mx	-.003	3
82	MP4C	X	11.623	3
83	MP4C	Z	0	3
84	MP4C	Mx	-.003	3
85	MP3A	X	39.566	3
86	MP3A	Z	0	3
87	MP3A	Mx	.02	3
88	MP3B	X	51.755	3
89	MP3B	Z	0	3
90	MP3B	Mx	-.013	3
91	MP3C	X	51.755	3
92	MP3C	Z	0	3
93	MP3C	Mx	-.013	3
94	MP3A	X	31.483	5
95	MP3A	Z	0	5
96	MP3A	Mx	.016	5
97	MP3B	X	49.734	5
98	MP3B	Z	0	5
99	MP3B	Mx	-.012	5
100	MP3C	X	49.734	5
101	MP3C	Z	0	5
102	MP3C	Mx	-.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	69.292	1.5
2	MP1A	Z	40.006	1.5
3	MP1A	Mx	-.052	1.5
4	MP1A	X	69.292	4
5	MP1A	Z	40.006	4
6	MP1A	Mx	-.052	4
7	MP1B	X	38.778	1.5
8	MP1B	Z	22.388	1.5
9	MP1B	Mx	.003	1.5
10	MP1B	X	38.778	4
11	MP1B	Z	22.388	4
12	MP1B	Mx	.003	4
13	MP1C	X	66.045	1.5
14	MP1C	Z	38.131	1.5
15	MP1C	Mx	.047	1.5
16	MP1C	X	66.045	4
17	MP1C	Z	38.131	4
18	MP1C	Mx	.047	4
19	MP5A	X	69.292	1.5
20	MP5A	Z	40.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP5A	Mx	-.052	1.5
22	MP5A	X	69.292	4
23	MP5A	Z	40.006	4
24	MP5A	Mx	-.052	4
25	MP5B	X	38.778	1.5
26	MP5B	Z	22.388	1.5
27	MP5B	Mx	.003	1.5
28	MP5B	X	38.778	4
29	MP5B	Z	22.388	4
30	MP5B	Mx	.003	4
31	MP5C	X	66.045	1.5
32	MP5C	Z	38.131	1.5
33	MP5C	Mx	.047	1.5
34	MP5C	X	66.045	4
35	MP5C	Z	38.131	4
36	MP5C	Mx	.047	4
37	MP3A	X	99.701	1.5
38	MP3A	Z	57.562	1.5
39	MP3A	Mx	-.07	1.5
40	MP3A	X	99.701	6
41	MP3A	Z	57.562	6
42	MP3A	Mx	-.07	6
43	MP3B	X	134.261	1.5
44	MP3B	Z	77.515	1.5
45	MP3B	Mx	-.103	1.5
46	MP3B	X	134.261	6
47	MP3B	Z	77.515	6
48	MP3B	Mx	-.103	6
49	MP3C	X	99.701	1.5
50	MP3C	Z	57.562	1.5
51	MP3C	Mx	.146	1.5
52	MP3C	X	99.701	6
53	MP3C	Z	57.562	6
54	MP3C	Mx	.146	6
55	MP3A	X	99.701	1.5
56	MP3A	Z	57.562	1.5
57	MP3A	Mx	-.146	1.5
58	MP3A	X	99.701	6
59	MP3A	Z	57.562	6
60	MP3A	Mx	-.146	6
61	MP3B	X	134.261	1.5
62	MP3B	Z	77.515	1.5
63	MP3B	Mx	.103	1.5
64	MP3B	X	134.261	6
65	MP3B	Z	77.515	6
66	MP3B	Mx	.103	6
67	MP3C	X	99.701	1.5
68	MP3C	Z	57.562	1.5
69	MP3C	Mx	.07	1.5
70	MP3C	X	99.701	6
71	MP3C	Z	57.562	6
72	MP3C	Mx	.07	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M128A	X	54.312	1
74	M128A	Z	31.357	1
75	M128A	Mx	0	1
76	MP4A	X	8.386	3
77	MP4A	Z	4.842	3
78	MP4A	Mx	.004	3
79	MP4B	X	10.906	3
80	MP4B	Z	6.297	3
81	MP4B	Mx	0	3
82	MP4C	X	8.386	3
83	MP4C	Z	4.842	3
84	MP4C	Mx	-.004	3
85	MP3A	X	37.784	3
86	MP3A	Z	21.815	3
87	MP3A	Mx	.019	3
88	MP3B	X	48.34	3
89	MP3B	Z	27.909	3
90	MP3B	Mx	0	3
91	MP3C	X	37.784	3
92	MP3C	Z	21.815	3
93	MP3C	Mx	-.019	3
94	MP3A	X	32.534	5
95	MP3A	Z	18.783	5
96	MP3A	Mx	.016	5
97	MP3B	X	48.34	5
98	MP3B	Z	27.909	5
99	MP3B	Mx	0	5
100	MP3C	X	32.534	5
101	MP3C	Z	18.783	5
102	MP3C	Mx	-.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.141	1.5
2	MP1A	Z	48.741	1.5
3	MP1A	Mx	-.021	1.5
4	MP1A	X	28.141	4
5	MP1A	Z	48.741	4
6	MP1A	Mx	-.021	4
7	MP1B	X	26.446	1.5
8	MP1B	Z	45.806	1.5
9	MP1B	Mx	-.017	1.5
10	MP1B	X	26.446	4
11	MP1B	Z	45.806	4
12	MP1B	Mx	-.017	4
13	MP1C	X	45.758	1.5
14	MP1C	Z	79.255	1.5
15	MP1C	Mx	.068	1.5
16	MP1C	X	45.758	4
17	MP1C	Z	79.255	4
18	MP1C	Mx	.068	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP5A	X	28.141	1.5
20	MP5A	Z	48.741	1.5
21	MP5A	Mx	-.021	1.5
22	MP5A	X	28.141	4
23	MP5A	Z	48.741	4
24	MP5A	Mx	-.021	4
25	MP5B	X	26.446	1.5
26	MP5B	Z	45.806	1.5
27	MP5B	Mx	-.017	1.5
28	MP5B	X	26.446	4
29	MP5B	Z	45.806	4
30	MP5B	Mx	-.017	4
31	MP5C	X	45.758	1.5
32	MP5C	Z	79.255	1.5
33	MP5C	Mx	.068	1.5
34	MP5C	X	45.758	4
35	MP5C	Z	79.255	4
36	MP5C	Mx	.068	4
37	MP3A	X	70.864	1.5
38	MP3A	Z	122.741	1.5
39	MP3A	Mx	.005	1.5
40	MP3A	X	70.864	6
41	MP3A	Z	122.741	6
42	MP3A	Mx	.005	6
43	MP3B	X	70.864	1.5
44	MP3B	Z	122.741	1.5
45	MP3B	Mx	-.159	1.5
46	MP3B	X	70.864	6
47	MP3B	Z	122.741	6
48	MP3B	Mx	-.159	6
49	MP3C	X	50.911	1.5
50	MP3C	Z	88.181	1.5
51	MP3C	Mx	.11	1.5
52	MP3C	X	50.911	6
53	MP3C	Z	88.181	6
54	MP3C	Mx	.11	6
55	MP3A	X	70.864	1.5
56	MP3A	Z	122.741	1.5
57	MP3A	Mx	-.159	1.5
58	MP3A	X	70.864	6
59	MP3A	Z	122.741	6
60	MP3A	Mx	-.159	6
61	MP3B	X	70.864	1.5
62	MP3B	Z	122.741	1.5
63	MP3B	Mx	.005	1.5
64	MP3B	X	70.864	6
65	MP3B	Z	122.741	6
66	MP3B	Mx	.005	6
67	MP3C	X	50.911	1.5
68	MP3C	Z	88.181	1.5
69	MP3C	Mx	.11	1.5
70	MP3C	X	50.911	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	88.181	6
72	MP3C	Mx	.11	6
73	M128A	X	38.815	1
74	M128A	Z	67.23	1
75	M128A	Mx	0	1
76	MP4A	X	5.812	3
77	MP4A	Z	10.066	3
78	MP4A	Mx	.003	3
79	MP4B	X	5.812	3
80	MP4B	Z	10.066	3
81	MP4B	Mx	.003	3
82	MP4C	X	4.357	3
83	MP4C	Z	7.546	3
84	MP4C	Mx	-.004	3
85	MP3A	X	25.877	3
86	MP3A	Z	44.821	3
87	MP3A	Mx	.013	3
88	MP3B	X	25.877	3
89	MP3B	Z	44.821	3
90	MP3B	Mx	.013	3
91	MP3C	X	19.783	3
92	MP3C	Z	34.265	3
93	MP3C	Mx	-.02	3
94	MP3A	X	24.867	5
95	MP3A	Z	43.071	5
96	MP3A	Mx	.012	5
97	MP3B	X	24.867	5
98	MP3B	Z	43.071	5
99	MP3B	Mx	.012	5
100	MP3C	X	15.741	5
101	MP3C	Z	27.265	5
102	MP3C	Mx	-.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	44.416	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4
5	MP1A	Z	44.416	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	76.262	1.5
9	MP1B	Mx	-.047	1.5
10	MP1B	X	0	4
11	MP1B	Z	76.262	4
12	MP1B	Mx	-.047	4
13	MP1C	X	0	1.5
14	MP1C	Z	83.399	1.5
15	MP1C	Mx	.057	1.5
16	MP1C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	83.399	4
18	MP1C	Mx	.057	4
19	MP5A	X	0	1.5
20	MP5A	Z	44.416	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	44.416	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	76.262	1.5
27	MP5B	Mx	-.047	1.5
28	MP5B	X	0	4
29	MP5B	Z	76.262	4
30	MP5B	Mx	-.047	4
31	MP5C	X	0	1.5
32	MP5C	Z	83.399	1.5
33	MP5C	Mx	.057	1.5
34	MP5C	X	0	4
35	MP5C	Z	83.399	4
36	MP5C	Mx	.057	4
37	MP3A	X	0	1.5
38	MP3A	Z	155.031	1.5
39	MP3A	Mx	.103	1.5
40	MP3A	X	0	6
41	MP3A	Z	155.031	6
42	MP3A	Mx	.103	6
43	MP3B	X	0	1.5
44	MP3B	Z	115.124	1.5
45	MP3B	Mx	-.146	1.5
46	MP3B	X	0	6
47	MP3B	Z	115.124	6
48	MP3B	Mx	-.146	6
49	MP3C	X	0	1.5
50	MP3C	Z	115.124	1.5
51	MP3C	Mx	.07	1.5
52	MP3C	X	0	6
53	MP3C	Z	115.124	6
54	MP3C	Mx	.07	6
55	MP3A	X	0	1.5
56	MP3A	Z	155.031	1.5
57	MP3A	Mx	-.103	1.5
58	MP3A	X	0	6
59	MP3A	Z	155.031	6
60	MP3A	Mx	-.103	6
61	MP3B	X	0	1.5
62	MP3B	Z	115.124	1.5
63	MP3B	Mx	-.07	1.5
64	MP3B	X	0	6
65	MP3B	Z	115.124	6
66	MP3B	Mx	-.07	6
67	MP3C	X	0	1.5
68	MP3C	Z	115.124	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.146	1.5
70	MP3C	X	0	6
71	MP3C	Z	115.124	6
72	MP3C	Mx	.146	6
73	M128A	X	0	1
74	M128A	Z	85.088	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	12.593	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	9.683	3
81	MP4B	Mx	.004	3
82	MP4C	X	0	3
83	MP4C	Z	9.683	3
84	MP4C	Mx	-.004	3
85	MP3A	X	0	3
86	MP3A	Z	55.818	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	43.629	3
90	MP3B	Mx	.019	3
91	MP3C	X	0	3
92	MP3C	Z	43.629	3
93	MP3C	Mx	-.019	3
94	MP3A	X	0	5
95	MP3A	Z	55.818	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	37.566	5
99	MP3B	Mx	.016	5
100	MP3C	X	0	5
101	MP3C	Z	37.566	5
102	MP3C	Mx	-.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.141	1.5
2	MP1A	Z	48.741	1.5
3	MP1A	Mx	.021	1.5
4	MP1A	X	-28.141	4
5	MP1A	Z	48.741	4
6	MP1A	Mx	.021	4
7	MP1B	X	-45.758	1.5
8	MP1B	Z	79.255	1.5
9	MP1B	Mx	-.068	1.5
10	MP1B	X	-45.758	4
11	MP1B	Z	79.255	4
12	MP1B	Mx	-.068	4
13	MP1C	X	-30.015	1.5
14	MP1C	Z	51.987	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.026	1.5
16	MP1C	X	-30.015	4
17	MP1C	Z	51.987	4
18	MP1C	Mx	.026	4
19	MP5A	X	-28.141	1.5
20	MP5A	Z	48.741	1.5
21	MP5A	Mx	.021	1.5
22	MP5A	X	-28.141	4
23	MP5A	Z	48.741	4
24	MP5A	Mx	.021	4
25	MP5B	X	-45.758	1.5
26	MP5B	Z	79.255	1.5
27	MP5B	Mx	-.068	1.5
28	MP5B	X	-45.758	4
29	MP5B	Z	79.255	4
30	MP5B	Mx	-.068	4
31	MP5C	X	-30.015	1.5
32	MP5C	Z	51.987	1.5
33	MP5C	Mx	.026	1.5
34	MP5C	X	-30.015	4
35	MP5C	Z	51.987	4
36	MP5C	Mx	.026	4
37	MP3A	X	-70.864	1.5
38	MP3A	Z	122.741	1.5
39	MP3A	Mx	.159	1.5
40	MP3A	X	-70.864	6
41	MP3A	Z	122.741	6
42	MP3A	Mx	.159	6
43	MP3B	X	-50.911	1.5
44	MP3B	Z	88.181	1.5
45	MP3B	Mx	-.11	1.5
46	MP3B	X	-50.911	6
47	MP3B	Z	88.181	6
48	MP3B	Mx	-.11	6
49	MP3C	X	-70.864	1.5
50	MP3C	Z	122.741	1.5
51	MP3C	Mx	-.005	1.5
52	MP3C	X	-70.864	6
53	MP3C	Z	122.741	6
54	MP3C	Mx	-.005	6
55	MP3A	X	-70.864	1.5
56	MP3A	Z	122.741	1.5
57	MP3A	Mx	-.005	1.5
58	MP3A	X	-70.864	6
59	MP3A	Z	122.741	6
60	MP3A	Mx	-.005	6
61	MP3B	X	-50.911	1.5
62	MP3B	Z	88.181	1.5
63	MP3B	Mx	-.11	1.5
64	MP3B	X	-50.911	6
65	MP3B	Z	88.181	6
66	MP3B	Mx	-.11	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3C	X	-70.864	1.5
68	MP3C	Z	122.741	1.5
69	MP3C	Mx	.159	1.5
70	MP3C	X	-70.864	6
71	MP3C	Z	122.741	6
72	MP3C	Mx	.159	6
73	M128A	X	-38.815	1
74	M128A	Z	67.23	1
75	M128A	Mx	0	1
76	MP4A	X	-5.812	3
77	MP4A	Z	10.066	3
78	MP4A	Mx	-.003	3
79	MP4B	X	-4.357	3
80	MP4B	Z	7.546	3
81	MP4B	Mx	.004	3
82	MP4C	X	-5.812	3
83	MP4C	Z	10.066	3
84	MP4C	Mx	-.003	3
85	MP3A	X	-25.877	3
86	MP3A	Z	44.821	3
87	MP3A	Mx	-.013	3
88	MP3B	X	-19.783	3
89	MP3B	Z	34.265	3
90	MP3B	Mx	.02	3
91	MP3C	X	-25.877	3
92	MP3C	Z	44.821	3
93	MP3C	Mx	-.013	3
94	MP3A	X	-24.867	5
95	MP3A	Z	43.071	5
96	MP3A	Mx	-.012	5
97	MP3B	X	-15.741	5
98	MP3B	Z	27.265	5
99	MP3B	Mx	.016	5
100	MP3C	X	-24.867	5
101	MP3C	Z	43.071	5
102	MP3C	Mx	-.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-69.292	1.5
2	MP1A	Z	40.006	1.5
3	MP1A	Mx	.052	1.5
4	MP1A	X	-69.292	4
5	MP1A	Z	40.006	4
6	MP1A	Mx	.052	4
7	MP1B	X	-72.226	1.5
8	MP1B	Z	41.7	1.5
9	MP1B	Mx	-.057	1.5
10	MP1B	X	-72.226	4
11	MP1B	Z	41.7	4
12	MP1B	Mx	-.057	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	-38.778	1.5
14	MP1C	Z	22.388	1.5
15	MP1C	Mx	.003	1.5
16	MP1C	X	-38.778	4
17	MP1C	Z	22.388	4
18	MP1C	Mx	.003	4
19	MP5A	X	-69.292	1.5
20	MP5A	Z	40.006	1.5
21	MP5A	Mx	.052	1.5
22	MP5A	X	-69.292	4
23	MP5A	Z	40.006	4
24	MP5A	Mx	.052	4
25	MP5B	X	-72.226	1.5
26	MP5B	Z	41.7	1.5
27	MP5B	Mx	-.057	1.5
28	MP5B	X	-72.226	4
29	MP5B	Z	41.7	4
30	MP5B	Mx	-.057	4
31	MP5C	X	-38.778	1.5
32	MP5C	Z	22.388	1.5
33	MP5C	Mx	.003	1.5
34	MP5C	X	-38.778	4
35	MP5C	Z	22.388	4
36	MP5C	Mx	.003	4
37	MP3A	X	-99.701	1.5
38	MP3A	Z	57.562	1.5
39	MP3A	Mx	.146	1.5
40	MP3A	X	-99.701	6
41	MP3A	Z	57.562	6
42	MP3A	Mx	.146	6
43	MP3B	X	-99.701	1.5
44	MP3B	Z	57.562	1.5
45	MP3B	Mx	-.07	1.5
46	MP3B	X	-99.701	6
47	MP3B	Z	57.562	6
48	MP3B	Mx	-.07	6
49	MP3C	X	-134.261	1.5
50	MP3C	Z	77.515	1.5
51	MP3C	Mx	-.103	1.5
52	MP3C	X	-134.261	6
53	MP3C	Z	77.515	6
54	MP3C	Mx	-.103	6
55	MP3A	X	-99.701	1.5
56	MP3A	Z	57.562	1.5
57	MP3A	Mx	.07	1.5
58	MP3A	X	-99.701	6
59	MP3A	Z	57.562	6
60	MP3A	Mx	.07	6
61	MP3B	X	-99.701	1.5
62	MP3B	Z	57.562	1.5
63	MP3B	Mx	-.146	1.5
64	MP3B	X	-99.701	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	57.562	6
66	MP3B	Mx	-.146	6
67	MP3C	X	-134.261	1.5
68	MP3C	Z	77.515	1.5
69	MP3C	Mx	.103	1.5
70	MP3C	X	-134.261	6
71	MP3C	Z	77.515	6
72	MP3C	Mx	.103	6
73	M128A	X	-54.312	1
74	M128A	Z	31.357	1
75	M128A	Mx	0	1
76	MP4A	X	-8.386	3
77	MP4A	Z	4.842	3
78	MP4A	Mx	-.004	3
79	MP4B	X	-8.386	3
80	MP4B	Z	4.842	3
81	MP4B	Mx	.004	3
82	MP4C	X	-10.906	3
83	MP4C	Z	6.297	3
84	MP4C	Mx	0	3
85	MP3A	X	-37.784	3
86	MP3A	Z	21.815	3
87	MP3A	Mx	-.019	3
88	MP3B	X	-37.784	3
89	MP3B	Z	21.815	3
90	MP3B	Mx	.019	3
91	MP3C	X	-48.34	3
92	MP3C	Z	27.909	3
93	MP3C	Mx	0	3
94	MP3A	X	-32.534	5
95	MP3A	Z	18.783	5
96	MP3A	Mx	-.016	5
97	MP3B	X	-32.534	5
98	MP3B	Z	18.783	5
99	MP3B	Mx	.016	5
100	MP3C	X	-48.34	5
101	MP3C	Z	27.909	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-91.876	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.069	1.5
4	MP1A	X	-91.876	4
5	MP1A	Z	0	4
6	MP1A	Mx	.069	4
7	MP1B	X	-60.03	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.026	1.5
10	MP1B	X	-60.03	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	0	4
12	MP1B	Mx	-.026	4
13	MP1C	X	-52.893	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.017	1.5
16	MP1C	X	-52.893	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.017	4
19	MP5A	X	-91.876	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.069	1.5
22	MP5A	X	-91.876	4
23	MP5A	Z	0	4
24	MP5A	Mx	.069	4
25	MP5B	X	-60.03	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.026	1.5
28	MP5B	X	-60.03	4
29	MP5B	Z	0	4
30	MP5B	Mx	-.026	4
31	MP5C	X	-52.893	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.017	1.5
34	MP5C	X	-52.893	4
35	MP5C	Z	0	4
36	MP5C	Mx	-.017	4
37	MP3A	X	-101.822	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.11	1.5
40	MP3A	X	-101.822	6
41	MP3A	Z	0	6
42	MP3A	Mx	.11	6
43	MP3B	X	-141.729	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.005	1.5
46	MP3B	X	-141.729	6
47	MP3B	Z	0	6
48	MP3B	Mx	.005	6
49	MP3C	X	-141.729	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.159	1.5
52	MP3C	X	-141.729	6
53	MP3C	Z	0	6
54	MP3C	Mx	-.159	6
55	MP3A	X	-101.822	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.11	1.5
58	MP3A	X	-101.822	6
59	MP3A	Z	0	6
60	MP3A	Mx	.11	6
61	MP3B	X	-141.729	1.5
62	MP3B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3B	Mx	-.159	1.5
64	MP3B	X	-141.729	6
65	MP3B	Z	0	6
66	MP3B	Mx	-.159	6
67	MP3C	X	-141.729	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	.005	1.5
70	MP3C	X	-141.729	6
71	MP3C	Z	0	6
72	MP3C	Mx	.005	6
73	M128A	X	-55.256	1
74	M128A	Z	0	1
75	M128A	Mx	0	1
76	MP4A	X	-8.713	3
77	MP4A	Z	0	3
78	MP4A	Mx	-.004	3
79	MP4B	X	-11.623	3
80	MP4B	Z	0	3
81	MP4B	Mx	.003	3
82	MP4C	X	-11.623	3
83	MP4C	Z	0	3
84	MP4C	Mx	.003	3
85	MP3A	X	-39.566	3
86	MP3A	Z	0	3
87	MP3A	Mx	-.02	3
88	MP3B	X	-51.755	3
89	MP3B	Z	0	3
90	MP3B	Mx	.013	3
91	MP3C	X	-51.755	3
92	MP3C	Z	0	3
93	MP3C	Mx	.013	3
94	MP3A	X	-31.483	5
95	MP3A	Z	0	5
96	MP3A	Mx	-.016	5
97	MP3B	X	-49.734	5
98	MP3B	Z	0	5
99	MP3B	Mx	.012	5
100	MP3C	X	-49.734	5
101	MP3C	Z	0	5
102	MP3C	Mx	.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-69.292	1.5
2	MP1A	Z	-40.006	1.5
3	MP1A	Mx	.052	1.5
4	MP1A	X	-69.292	4
5	MP1A	Z	-40.006	4
6	MP1A	Mx	.052	4
7	MP1B	X	-38.778	1.5
8	MP1B	Z	-22.388	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP1B	Mx	-.003	1.5
10	MP1B	X	-38.778	4
11	MP1B	Z	-22.388	4
12	MP1B	Mx	-.003	4
13	MP1C	X	-66.045	1.5
14	MP1C	Z	-38.131	1.5
15	MP1C	Mx	-.047	1.5
16	MP1C	X	-66.045	4
17	MP1C	Z	-38.131	4
18	MP1C	Mx	-.047	4
19	MP5A	X	-69.292	1.5
20	MP5A	Z	-40.006	1.5
21	MP5A	Mx	.052	1.5
22	MP5A	X	-69.292	4
23	MP5A	Z	-40.006	4
24	MP5A	Mx	.052	4
25	MP5B	X	-38.778	1.5
26	MP5B	Z	-22.388	1.5
27	MP5B	Mx	-.003	1.5
28	MP5B	X	-38.778	4
29	MP5B	Z	-22.388	4
30	MP5B	Mx	-.003	4
31	MP5C	X	-66.045	1.5
32	MP5C	Z	-38.131	1.5
33	MP5C	Mx	-.047	1.5
34	MP5C	X	-66.045	4
35	MP5C	Z	-38.131	4
36	MP5C	Mx	-.047	4
37	MP3A	X	-99.701	1.5
38	MP3A	Z	-57.562	1.5
39	MP3A	Mx	.07	1.5
40	MP3A	X	-99.701	6
41	MP3A	Z	-57.562	6
42	MP3A	Mx	.07	6
43	MP3B	X	-134.261	1.5
44	MP3B	Z	-77.515	1.5
45	MP3B	Mx	.103	1.5
46	MP3B	X	-134.261	6
47	MP3B	Z	-77.515	6
48	MP3B	Mx	.103	6
49	MP3C	X	-99.701	1.5
50	MP3C	Z	-57.562	1.5
51	MP3C	Mx	-.146	1.5
52	MP3C	X	-99.701	6
53	MP3C	Z	-57.562	6
54	MP3C	Mx	-.146	6
55	MP3A	X	-99.701	1.5
56	MP3A	Z	-57.562	1.5
57	MP3A	Mx	.146	1.5
58	MP3A	X	-99.701	6
59	MP3A	Z	-57.562	6
60	MP3A	Mx	.146	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3B	X	-134.261	1.5
62	MP3B	Z	-77.515	1.5
63	MP3B	Mx	-.103	1.5
64	MP3B	X	-134.261	6
65	MP3B	Z	-77.515	6
66	MP3B	Mx	-.103	6
67	MP3C	X	-99.701	1.5
68	MP3C	Z	-57.562	1.5
69	MP3C	Mx	-.07	1.5
70	MP3C	X	-99.701	6
71	MP3C	Z	-57.562	6
72	MP3C	Mx	-.07	6
73	M128A	X	-54.312	1
74	M128A	Z	-31.357	1
75	M128A	Mx	0	1
76	MP4A	X	-8.386	3
77	MP4A	Z	-4.842	3
78	MP4A	Mx	-.004	3
79	MP4B	X	-10.906	3
80	MP4B	Z	-6.297	3
81	MP4B	Mx	0	3
82	MP4C	X	-8.386	3
83	MP4C	Z	-4.842	3
84	MP4C	Mx	.004	3
85	MP3A	X	-37.784	3
86	MP3A	Z	-21.815	3
87	MP3A	Mx	-.019	3
88	MP3B	X	-48.34	3
89	MP3B	Z	-27.909	3
90	MP3B	Mx	0	3
91	MP3C	X	-37.784	3
92	MP3C	Z	-21.815	3
93	MP3C	Mx	.019	3
94	MP3A	X	-32.534	5
95	MP3A	Z	-18.783	5
96	MP3A	Mx	-.016	5
97	MP3B	X	-48.34	5
98	MP3B	Z	-27.909	5
99	MP3B	Mx	0	5
100	MP3C	X	-32.534	5
101	MP3C	Z	-18.783	5
102	MP3C	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.141	1.5
2	MP1A	Z	-48.741	1.5
3	MP1A	Mx	.021	1.5
4	MP1A	X	-28.141	4
5	MP1A	Z	-48.741	4
6	MP1A	Mx	.021	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	-26.446	1.5
8	MP1B	Z	-45.806	1.5
9	MP1B	Mx	.017	1.5
10	MP1B	X	-26.446	4
11	MP1B	Z	-45.806	4
12	MP1B	Mx	.017	4
13	MP1C	X	-45.758	1.5
14	MP1C	Z	-79.255	1.5
15	MP1C	Mx	-.068	1.5
16	MP1C	X	-45.758	4
17	MP1C	Z	-79.255	4
18	MP1C	Mx	-.068	4
19	MP5A	X	-28.141	1.5
20	MP5A	Z	-48.741	1.5
21	MP5A	Mx	.021	1.5
22	MP5A	X	-28.141	4
23	MP5A	Z	-48.741	4
24	MP5A	Mx	.021	4
25	MP5B	X	-26.446	1.5
26	MP5B	Z	-45.806	1.5
27	MP5B	Mx	.017	1.5
28	MP5B	X	-26.446	4
29	MP5B	Z	-45.806	4
30	MP5B	Mx	.017	4
31	MP5C	X	-45.758	1.5
32	MP5C	Z	-79.255	1.5
33	MP5C	Mx	-.068	1.5
34	MP5C	X	-45.758	4
35	MP5C	Z	-79.255	4
36	MP5C	Mx	-.068	4
37	MP3A	X	-70.864	1.5
38	MP3A	Z	-122.741	1.5
39	MP3A	Mx	-.005	1.5
40	MP3A	X	-70.864	6
41	MP3A	Z	-122.741	6
42	MP3A	Mx	-.005	6
43	MP3B	X	-70.864	1.5
44	MP3B	Z	-122.741	1.5
45	MP3B	Mx	.159	1.5
46	MP3B	X	-70.864	6
47	MP3B	Z	-122.741	6
48	MP3B	Mx	.159	6
49	MP3C	X	-50.911	1.5
50	MP3C	Z	-88.181	1.5
51	MP3C	Mx	-.11	1.5
52	MP3C	X	-50.911	6
53	MP3C	Z	-88.181	6
54	MP3C	Mx	-.11	6
55	MP3A	X	-70.864	1.5
56	MP3A	Z	-122.741	1.5
57	MP3A	Mx	.159	1.5
58	MP3A	X	-70.864	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	-122.741	6
60	MP3A	Mx	.159	6
61	MP3B	X	-70.864	1.5
62	MP3B	Z	-122.741	1.5
63	MP3B	Mx	-.005	1.5
64	MP3B	X	-70.864	6
65	MP3B	Z	-122.741	6
66	MP3B	Mx	-.005	6
67	MP3C	X	-50.911	1.5
68	MP3C	Z	-88.181	1.5
69	MP3C	Mx	-.11	1.5
70	MP3C	X	-50.911	6
71	MP3C	Z	-88.181	6
72	MP3C	Mx	-.11	6
73	M128A	X	-38.815	1
74	M128A	Z	-67.23	1
75	M128A	Mx	0	1
76	MP4A	X	-5.812	3
77	MP4A	Z	-10.066	3
78	MP4A	Mx	-.003	3
79	MP4B	X	-5.812	3
80	MP4B	Z	-10.066	3
81	MP4B	Mx	-.003	3
82	MP4C	X	-4.357	3
83	MP4C	Z	-7.546	3
84	MP4C	Mx	.004	3
85	MP3A	X	-25.877	3
86	MP3A	Z	-44.821	3
87	MP3A	Mx	-.013	3
88	MP3B	X	-25.877	3
89	MP3B	Z	-44.821	3
90	MP3B	Mx	-.013	3
91	MP3C	X	-19.783	3
92	MP3C	Z	-34.265	3
93	MP3C	Mx	.02	3
94	MP3A	X	-24.867	5
95	MP3A	Z	-43.071	5
96	MP3A	Mx	-.012	5
97	MP3B	X	-24.867	5
98	MP3B	Z	-43.071	5
99	MP3B	Mx	-.012	5
100	MP3C	X	-15.741	5
101	MP3C	Z	-27.265	5
102	MP3C	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-9.515	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	-9.515	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	-15.323	1.5
9	MP1B	Mx	.009	1.5
10	MP1B	X	0	4
11	MP1B	Z	-15.323	4
12	MP1B	Mx	.009	4
13	MP1C	X	0	1.5
14	MP1C	Z	-16.625	1.5
15	MP1C	Mx	-.011	1.5
16	MP1C	X	0	4
17	MP1C	Z	-16.625	4
18	MP1C	Mx	-.011	4
19	MP5A	X	0	1.5
20	MP5A	Z	-9.515	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	-9.515	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	-15.323	1.5
27	MP5B	Mx	.009	1.5
28	MP5B	X	0	4
29	MP5B	Z	-15.323	4
30	MP5B	Mx	.009	4
31	MP5C	X	0	1.5
32	MP5C	Z	-16.625	1.5
33	MP5C	Mx	-.011	1.5
34	MP5C	X	0	4
35	MP5C	Z	-16.625	4
36	MP5C	Mx	-.011	4
37	MP3A	X	0	1.5
38	MP3A	Z	-30.009	1.5
39	MP3A	Mx	-.02	1.5
40	MP3A	X	0	6
41	MP3A	Z	-30.009	6
42	MP3A	Mx	-.02	6
43	MP3B	X	0	1.5
44	MP3B	Z	-22.858	1.5
45	MP3B	Mx	.029	1.5
46	MP3B	X	0	6
47	MP3B	Z	-22.858	6
48	MP3B	Mx	.029	6
49	MP3C	X	0	1.5
50	MP3C	Z	-22.858	1.5
51	MP3C	Mx	-.014	1.5
52	MP3C	X	0	6
53	MP3C	Z	-22.858	6
54	MP3C	Mx	-.014	6
55	MP3A	X	0	1.5
56	MP3A	Z	-30.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	.02	1.5
58	MP3A	X	0	6
59	MP3A	Z	-30.009	6
60	MP3A	Mx	.02	6
61	MP3B	X	0	1.5
62	MP3B	Z	-22.858	1.5
63	MP3B	Mx	.014	1.5
64	MP3B	X	0	6
65	MP3B	Z	-22.858	6
66	MP3B	Mx	.014	6
67	MP3C	X	0	1.5
68	MP3C	Z	-22.858	1.5
69	MP3C	Mx	-.029	1.5
70	MP3C	X	0	6
71	MP3C	Z	-22.858	6
72	MP3C	Mx	-.029	6
73	M128A	X	0	1
74	M128A	Z	-17.533	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	-3.271	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	-2.659	3
81	MP4B	Mx	-.001	3
82	MP4C	X	0	3
83	MP4C	Z	-2.659	3
84	MP4C	Mx	.001	3
85	MP3A	X	0	3
86	MP3A	Z	-11.985	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	-9.589	3
90	MP3B	Mx	-.004	3
91	MP3C	X	0	3
92	MP3C	Z	-9.589	3
93	MP3C	Mx	.004	3
94	MP3A	X	0	5
95	MP3A	Z	-13.459	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	-8.791	5
99	MP3B	Mx	-.004	5
100	MP3C	X	0	5
101	MP3C	Z	-8.791	5
102	MP3C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.839	1.5
2	MP1A	Z	-10.114	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	-.004	1.5
4	MP1A	X	5.839	4
5	MP1A	Z	-10.114	4
6	MP1A	Mx	-.004	4
7	MP1B	X	9.053	1.5
8	MP1B	Z	-15.68	1.5
9	MP1B	Mx	.014	1.5
10	MP1B	X	9.053	4
11	MP1B	Z	-15.68	4
12	MP1B	Mx	.014	4
13	MP1C	X	6.181	1.5
14	MP1C	Z	-10.706	1.5
15	MP1C	Mx	-.005	1.5
16	MP1C	X	6.181	4
17	MP1C	Z	-10.706	4
18	MP1C	Mx	-.005	4
19	MP5A	X	5.839	1.5
20	MP5A	Z	-10.114	1.5
21	MP5A	Mx	-.004	1.5
22	MP5A	X	5.839	4
23	MP5A	Z	-10.114	4
24	MP5A	Mx	-.004	4
25	MP5B	X	9.053	1.5
26	MP5B	Z	-15.68	1.5
27	MP5B	Mx	.014	1.5
28	MP5B	X	9.053	4
29	MP5B	Z	-15.68	4
30	MP5B	Mx	.014	4
31	MP5C	X	6.181	1.5
32	MP5C	Z	-10.706	1.5
33	MP5C	Mx	-.005	1.5
34	MP5C	X	6.181	4
35	MP5C	Z	-10.706	4
36	MP5C	Mx	-.005	4
37	MP3A	X	13.813	1.5
38	MP3A	Z	-23.924	1.5
39	MP3A	Mx	-.031	1.5
40	MP3A	X	13.813	6
41	MP3A	Z	-23.924	6
42	MP3A	Mx	-.031	6
43	MP3B	X	10.237	1.5
44	MP3B	Z	-17.732	1.5
45	MP3B	Mx	.022	1.5
46	MP3B	X	10.237	6
47	MP3B	Z	-17.732	6
48	MP3B	Mx	.022	6
49	MP3C	X	13.813	1.5
50	MP3C	Z	-23.924	1.5
51	MP3C	Mx	.000986	1.5
52	MP3C	X	13.813	6
53	MP3C	Z	-23.924	6
54	MP3C	Mx	.000986	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP3A	X	13.813	1.5
56	MP3A	Z	-23.924	1.5
57	MP3A	Mx	.000985	1.5
58	MP3A	X	13.813	6
59	MP3A	Z	-23.924	6
60	MP3A	Mx	.000985	6
61	MP3B	X	10.237	1.5
62	MP3B	Z	-17.732	1.5
63	MP3B	Mx	.022	1.5
64	MP3B	X	10.237	6
65	MP3B	Z	-17.732	6
66	MP3B	Mx	.022	6
67	MP3C	X	13.813	1.5
68	MP3C	Z	-23.924	1.5
69	MP3C	Mx	-.031	1.5
70	MP3C	X	13.813	6
71	MP3C	Z	-23.924	6
72	MP3C	Mx	-.031	6
73	M128A	X	8.062	1
74	M128A	Z	-13.964	1
75	M128A	Mx	0	1
76	MP4A	X	1.533	3
77	MP4A	Z	-2.656	3
78	MP4A	Mx	.000766	3
79	MP4B	X	1.228	3
80	MP4B	Z	-2.126	3
81	MP4B	Mx	-.001	3
82	MP4C	X	1.533	3
83	MP4C	Z	-2.656	3
84	MP4C	Mx	.000767	3
85	MP3A	X	5.593	3
86	MP3A	Z	-9.687	3
87	MP3A	Mx	.003	3
88	MP3B	X	4.395	3
89	MP3B	Z	-7.613	3
90	MP3B	Mx	-.004	3
91	MP3C	X	5.593	3
92	MP3C	Z	-9.687	3
93	MP3C	Mx	.003	3
94	MP3A	X	5.951	5
95	MP3A	Z	-10.308	5
96	MP3A	Mx	.003	5
97	MP3B	X	3.617	5
98	MP3B	Z	-6.266	5
99	MP3B	Mx	-.004	5
100	MP3C	X	5.951	5
101	MP3C	Z	-10.308	5
102	MP3C	Mx	.003	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.862	1.5
2	MP1A	Z	-8.003	1.5
3	MP1A	Mx	-.01	1.5
4	MP1A	X	13.862	4
5	MP1A	Z	-8.003	4
6	MP1A	Mx	-.01	4
7	MP1B	X	14.398	1.5
8	MP1B	Z	-8.313	1.5
9	MP1B	Mx	.011	1.5
10	MP1B	X	14.398	4
11	MP1B	Z	-8.313	4
12	MP1B	Mx	.011	4
13	MP1C	X	8.297	1.5
14	MP1C	Z	-4.79	1.5
15	MP1C	Mx	-.000626	1.5
16	MP1C	X	8.297	4
17	MP1C	Z	-4.79	4
18	MP1C	Mx	-.000626	4
19	MP5A	X	13.862	1.5
20	MP5A	Z	-8.003	1.5
21	MP5A	Mx	-.01	1.5
22	MP5A	X	13.862	4
23	MP5A	Z	-8.003	4
24	MP5A	Mx	-.01	4
25	MP5B	X	14.398	1.5
26	MP5B	Z	-8.313	1.5
27	MP5B	Mx	.011	1.5
28	MP5B	X	14.398	4
29	MP5B	Z	-8.313	4
30	MP5B	Mx	.011	4
31	MP5C	X	8.297	1.5
32	MP5C	Z	-4.79	1.5
33	MP5C	Mx	-.000626	1.5
34	MP5C	X	8.297	4
35	MP5C	Z	-4.79	4
36	MP5C	Mx	-.000626	4
37	MP3A	X	19.796	1.5
38	MP3A	Z	-11.429	1.5
39	MP3A	Mx	-.029	1.5
40	MP3A	X	19.796	6
41	MP3A	Z	-11.429	6
42	MP3A	Mx	-.029	6
43	MP3B	X	19.796	1.5
44	MP3B	Z	-11.429	1.5
45	MP3B	Mx	.014	1.5
46	MP3B	X	19.796	6
47	MP3B	Z	-11.429	6
48	MP3B	Mx	.014	6
49	MP3C	X	25.988	1.5
50	MP3C	Z	-15.004	1.5
51	MP3C	Mx	.02	1.5
52	MP3C	X	25.988	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-15.004	6
54	MP3C	Mx	.02	6
55	MP3A	X	19.796	1.5
56	MP3A	Z	-11.429	1.5
57	MP3A	Mx	-.014	1.5
58	MP3A	X	19.796	6
59	MP3A	Z	-11.429	6
60	MP3A	Mx	-.014	6
61	MP3B	X	19.796	1.5
62	MP3B	Z	-11.429	1.5
63	MP3B	Mx	.029	1.5
64	MP3B	X	19.796	6
65	MP3B	Z	-11.429	6
66	MP3B	Mx	.029	6
67	MP3C	X	25.988	1.5
68	MP3C	Z	-15.004	1.5
69	MP3C	Mx	-.02	1.5
70	MP3C	X	25.988	6
71	MP3C	Z	-15.004	6
72	MP3C	Mx	-.02	6
73	M128A	X	11.525	1
74	M128A	Z	-6.654	1
75	M128A	Mx	0	1
76	MP4A	X	2.303	3
77	MP4A	Z	-1.33	3
78	MP4A	Mx	.001	3
79	MP4B	X	2.303	3
80	MP4B	Z	-1.33	3
81	MP4B	Mx	-.001	3
82	MP4C	X	2.833	3
83	MP4C	Z	-1.635	3
84	MP4C	Mx	0	3
85	MP3A	X	8.305	3
86	MP3A	Z	-4.795	3
87	MP3A	Mx	.004	3
88	MP3B	X	8.305	3
89	MP3B	Z	-4.795	3
90	MP3B	Mx	-.004	3
91	MP3C	X	10.379	3
92	MP3C	Z	-5.992	3
93	MP3C	Mx	0	3
94	MP3A	X	7.613	5
95	MP3A	Z	-4.395	5
96	MP3A	Mx	.004	5
97	MP3B	X	7.613	5
98	MP3B	Z	-4.395	5
99	MP3B	Mx	-.004	5
100	MP3C	X	11.655	5
101	MP3C	Z	-6.729	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	18.171	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.014	1.5
4	MP1A	X	18.171	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.014	4
7	MP1B	X	12.362	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.005	1.5
10	MP1B	X	12.362	4
11	MP1B	Z	0	4
12	MP1B	Mx	.005	4
13	MP1C	X	11.061	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	11.061	4
17	MP1C	Z	0	4
18	MP1C	Mx	.004	4
19	MP5A	X	18.171	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.014	1.5
22	MP5A	X	18.171	4
23	MP5A	Z	0	4
24	MP5A	Mx	-.014	4
25	MP5B	X	12.362	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.005	1.5
28	MP5B	X	12.362	4
29	MP5B	Z	0	4
30	MP5B	Mx	.005	4
31	MP5C	X	11.061	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.004	1.5
34	MP5C	X	11.061	4
35	MP5C	Z	0	4
36	MP5C	Mx	.004	4
37	MP3A	X	20.475	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.022	1.5
40	MP3A	X	20.475	6
41	MP3A	Z	0	6
42	MP3A	Mx	-.022	6
43	MP3B	X	27.625	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.000986	1.5
46	MP3B	X	27.625	6
47	MP3B	Z	0	6
48	MP3B	Mx	-.000986	6
49	MP3C	X	27.625	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.031	1.5
52	MP3C	X	27.625	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	6
54	MP3C	Mx	.031	6
55	MP3A	X	20.475	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.022	1.5
58	MP3A	X	20.475	6
59	MP3A	Z	0	6
60	MP3A	Mx	-.022	6
61	MP3B	X	27.625	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.031	1.5
64	MP3B	X	27.625	6
65	MP3B	Z	0	6
66	MP3B	Mx	.031	6
67	MP3C	X	27.625	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	-.000986	1.5
70	MP3C	X	27.625	6
71	MP3C	Z	0	6
72	MP3C	Mx	-.000986	6
73	M128A	X	11.9	1
74	M128A	Z	0	1
75	M128A	Mx	0	1
76	MP4A	X	2.455	3
77	MP4A	Z	0	3
78	MP4A	Mx	.001	3
79	MP4B	X	3.067	3
80	MP4B	Z	0	3
81	MP4B	Mx	-.000767	3
82	MP4C	X	3.067	3
83	MP4C	Z	0	3
84	MP4C	Mx	-.000767	3
85	MP3A	X	8.791	3
86	MP3A	Z	0	3
87	MP3A	Mx	.004	3
88	MP3B	X	11.186	3
89	MP3B	Z	0	3
90	MP3B	Mx	-.003	3
91	MP3C	X	11.186	3
92	MP3C	Z	0	3
93	MP3C	Mx	-.003	3
94	MP3A	X	7.235	5
95	MP3A	Z	0	5
96	MP3A	Mx	.004	5
97	MP3B	X	11.903	5
98	MP3B	Z	0	5
99	MP3B	Mx	-.003	5
100	MP3C	X	11.903	5
101	MP3C	Z	0	5
102	MP3C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.862	1.5
2	MP1A	Z	8.003	1.5
3	MP1A	Mx	-.01	1.5
4	MP1A	X	13.862	4
5	MP1A	Z	8.003	4
6	MP1A	Mx	-.01	4
7	MP1B	X	8.297	1.5
8	MP1B	Z	4.79	1.5
9	MP1B	Mx	.000626	1.5
10	MP1B	X	8.297	4
11	MP1B	Z	4.79	4
12	MP1B	Mx	.000626	4
13	MP1C	X	13.27	1.5
14	MP1C	Z	7.662	1.5
15	MP1C	Mx	.009	1.5
16	MP1C	X	13.27	4
17	MP1C	Z	7.662	4
18	MP1C	Mx	.009	4
19	MP5A	X	13.862	1.5
20	MP5A	Z	8.003	1.5
21	MP5A	Mx	-.01	1.5
22	MP5A	X	13.862	4
23	MP5A	Z	8.003	4
24	MP5A	Mx	-.01	4
25	MP5B	X	8.297	1.5
26	MP5B	Z	4.79	1.5
27	MP5B	Mx	.000626	1.5
28	MP5B	X	8.297	4
29	MP5B	Z	4.79	4
30	MP5B	Mx	.000626	4
31	MP5C	X	13.27	1.5
32	MP5C	Z	7.662	1.5
33	MP5C	Mx	.009	1.5
34	MP5C	X	13.27	4
35	MP5C	Z	7.662	4
36	MP5C	Mx	.009	4
37	MP3A	X	19.796	1.5
38	MP3A	Z	11.429	1.5
39	MP3A	Mx	-.014	1.5
40	MP3A	X	19.796	6
41	MP3A	Z	11.429	6
42	MP3A	Mx	-.014	6
43	MP3B	X	25.988	1.5
44	MP3B	Z	15.004	1.5
45	MP3B	Mx	-.02	1.5
46	MP3B	X	25.988	6
47	MP3B	Z	15.004	6
48	MP3B	Mx	-.02	6
49	MP3C	X	19.796	1.5
50	MP3C	Z	11.429	1.5
51	MP3C	Mx	.029	1.5
52	MP3C	X	19.796	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	11.429	6
54	MP3C	Mx	.029	6
55	MP3A	X	19.796	1.5
56	MP3A	Z	11.429	1.5
57	MP3A	Mx	-.029	1.5
58	MP3A	X	19.796	6
59	MP3A	Z	11.429	6
60	MP3A	Mx	-.029	6
61	MP3B	X	25.988	1.5
62	MP3B	Z	15.004	1.5
63	MP3B	Mx	.02	1.5
64	MP3B	X	25.988	6
65	MP3B	Z	15.004	6
66	MP3B	Mx	.02	6
67	MP3C	X	19.796	1.5
68	MP3C	Z	11.429	1.5
69	MP3C	Mx	.014	1.5
70	MP3C	X	19.796	6
71	MP3C	Z	11.429	6
72	MP3C	Mx	.014	6
73	M128A	X	11.525	1
74	M128A	Z	6.654	1
75	M128A	Mx	0	1
76	MP4A	X	2.303	3
77	MP4A	Z	1.33	3
78	MP4A	Mx	.001	3
79	MP4B	X	2.833	3
80	MP4B	Z	1.635	3
81	MP4B	Mx	0	3
82	MP4C	X	2.303	3
83	MP4C	Z	1.33	3
84	MP4C	Mx	-.001	3
85	MP3A	X	8.305	3
86	MP3A	Z	4.795	3
87	MP3A	Mx	.004	3
88	MP3B	X	10.379	3
89	MP3B	Z	5.992	3
90	MP3B	Mx	0	3
91	MP3C	X	8.305	3
92	MP3C	Z	4.795	3
93	MP3C	Mx	-.004	3
94	MP3A	X	7.613	5
95	MP3A	Z	4.395	5
96	MP3A	Mx	.004	5
97	MP3B	X	11.655	5
98	MP3B	Z	6.729	5
99	MP3B	Mx	0	5
100	MP3C	X	7.613	5
101	MP3C	Z	4.395	5
102	MP3C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.839	1.5
2	MP1A	Z	10.114	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	5.839	4
5	MP1A	Z	10.114	4
6	MP1A	Mx	-.004	4
7	MP1B	X	5.53	1.5
8	MP1B	Z	9.579	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	5.53	4
11	MP1B	Z	9.579	4
12	MP1B	Mx	-.004	4
13	MP1C	X	9.053	1.5
14	MP1C	Z	15.68	1.5
15	MP1C	Mx	.014	1.5
16	MP1C	X	9.053	4
17	MP1C	Z	15.68	4
18	MP1C	Mx	.014	4
19	MP5A	X	5.839	1.5
20	MP5A	Z	10.114	1.5
21	MP5A	Mx	-.004	1.5
22	MP5A	X	5.839	4
23	MP5A	Z	10.114	4
24	MP5A	Mx	-.004	4
25	MP5B	X	5.53	1.5
26	MP5B	Z	9.579	1.5
27	MP5B	Mx	-.004	1.5
28	MP5B	X	5.53	4
29	MP5B	Z	9.579	4
30	MP5B	Mx	-.004	4
31	MP5C	X	9.053	1.5
32	MP5C	Z	15.68	1.5
33	MP5C	Mx	.014	1.5
34	MP5C	X	9.053	4
35	MP5C	Z	15.68	4
36	MP5C	Mx	.014	4
37	MP3A	X	13.813	1.5
38	MP3A	Z	23.924	1.5
39	MP3A	Mx	.000985	1.5
40	MP3A	X	13.813	6
41	MP3A	Z	23.924	6
42	MP3A	Mx	.000985	6
43	MP3B	X	13.813	1.5
44	MP3B	Z	23.924	1.5
45	MP3B	Mx	-.031	1.5
46	MP3B	X	13.813	6
47	MP3B	Z	23.924	6
48	MP3B	Mx	-.031	6
49	MP3C	X	10.237	1.5
50	MP3C	Z	17.732	1.5
51	MP3C	Mx	.022	1.5
52	MP3C	X	10.237	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	17.732	6
54	MP3C	Mx	.022	6
55	MP3A	X	13.813	1.5
56	MP3A	Z	23.924	1.5
57	MP3A	Mx	-.031	1.5
58	MP3A	X	13.813	6
59	MP3A	Z	23.924	6
60	MP3A	Mx	-.031	6
61	MP3B	X	13.813	1.5
62	MP3B	Z	23.924	1.5
63	MP3B	Mx	.000986	1.5
64	MP3B	X	13.813	6
65	MP3B	Z	23.924	6
66	MP3B	Mx	.000986	6
67	MP3C	X	10.237	1.5
68	MP3C	Z	17.732	1.5
69	MP3C	Mx	.022	1.5
70	MP3C	X	10.237	6
71	MP3C	Z	17.732	6
72	MP3C	Mx	.022	6
73	M128A	X	8.062	1
74	M128A	Z	13.964	1
75	M128A	Mx	0	1
76	MP4A	X	1.533	3
77	MP4A	Z	2.656	3
78	MP4A	Mx	.000766	3
79	MP4B	X	1.533	3
80	MP4B	Z	2.656	3
81	MP4B	Mx	.000767	3
82	MP4C	X	1.228	3
83	MP4C	Z	2.126	3
84	MP4C	Mx	-.001	3
85	MP3A	X	5.593	3
86	MP3A	Z	9.687	3
87	MP3A	Mx	.003	3
88	MP3B	X	5.593	3
89	MP3B	Z	9.687	3
90	MP3B	Mx	.003	3
91	MP3C	X	4.395	3
92	MP3C	Z	7.613	3
93	MP3C	Mx	-.004	3
94	MP3A	X	5.951	5
95	MP3A	Z	10.308	5
96	MP3A	Mx	.003	5
97	MP3B	X	5.951	5
98	MP3B	Z	10.308	5
99	MP3B	Mx	.003	5
100	MP3C	X	3.617	5
101	MP3C	Z	6.266	5
102	MP3C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	9.515	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4
5	MP1A	Z	9.515	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	15.323	1.5
9	MP1B	Mx	-.009	1.5
10	MP1B	X	0	4
11	MP1B	Z	15.323	4
12	MP1B	Mx	-.009	4
13	MP1C	X	0	1.5
14	MP1C	Z	16.625	1.5
15	MP1C	Mx	.011	1.5
16	MP1C	X	0	4
17	MP1C	Z	16.625	4
18	MP1C	Mx	.011	4
19	MP5A	X	0	1.5
20	MP5A	Z	9.515	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	9.515	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	15.323	1.5
27	MP5B	Mx	-.009	1.5
28	MP5B	X	0	4
29	MP5B	Z	15.323	4
30	MP5B	Mx	-.009	4
31	MP5C	X	0	1.5
32	MP5C	Z	16.625	1.5
33	MP5C	Mx	.011	1.5
34	MP5C	X	0	4
35	MP5C	Z	16.625	4
36	MP5C	Mx	.011	4
37	MP3A	X	0	1.5
38	MP3A	Z	30.009	1.5
39	MP3A	Mx	.02	1.5
40	MP3A	X	0	6
41	MP3A	Z	30.009	6
42	MP3A	Mx	.02	6
43	MP3B	X	0	1.5
44	MP3B	Z	22.858	1.5
45	MP3B	Mx	-.029	1.5
46	MP3B	X	0	6
47	MP3B	Z	22.858	6
48	MP3B	Mx	-.029	6
49	MP3C	X	0	1.5
50	MP3C	Z	22.858	1.5
51	MP3C	Mx	.014	1.5
52	MP3C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	22.858	6
54	MP3C	Mx	.014	6
55	MP3A	X	0	1.5
56	MP3A	Z	30.009	1.5
57	MP3A	Mx	-.02	1.5
58	MP3A	X	0	6
59	MP3A	Z	30.009	6
60	MP3A	Mx	-.02	6
61	MP3B	X	0	1.5
62	MP3B	Z	22.858	1.5
63	MP3B	Mx	-.014	1.5
64	MP3B	X	0	6
65	MP3B	Z	22.858	6
66	MP3B	Mx	-.014	6
67	MP3C	X	0	1.5
68	MP3C	Z	22.858	1.5
69	MP3C	Mx	.029	1.5
70	MP3C	X	0	6
71	MP3C	Z	22.858	6
72	MP3C	Mx	.029	6
73	M128A	X	0	1
74	M128A	Z	17.533	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	3.271	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	2.659	3
81	MP4B	Mx	.001	3
82	MP4C	X	0	3
83	MP4C	Z	2.659	3
84	MP4C	Mx	-.001	3
85	MP3A	X	0	3
86	MP3A	Z	11.985	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	9.589	3
90	MP3B	Mx	.004	3
91	MP3C	X	0	3
92	MP3C	Z	9.589	3
93	MP3C	Mx	-.004	3
94	MP3A	X	0	5
95	MP3A	Z	13.459	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	8.791	5
99	MP3B	Mx	.004	5
100	MP3C	X	0	5
101	MP3C	Z	8.791	5
102	MP3C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.839	1.5
2	MP1A	Z	10.114	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-5.839	4
5	MP1A	Z	10.114	4
6	MP1A	Mx	.004	4
7	MP1B	X	-9.053	1.5
8	MP1B	Z	15.68	1.5
9	MP1B	Mx	-.014	1.5
10	MP1B	X	-9.053	4
11	MP1B	Z	15.68	4
12	MP1B	Mx	-.014	4
13	MP1C	X	-6.181	1.5
14	MP1C	Z	10.706	1.5
15	MP1C	Mx	.005	1.5
16	MP1C	X	-6.181	4
17	MP1C	Z	10.706	4
18	MP1C	Mx	.005	4
19	MP5A	X	-5.839	1.5
20	MP5A	Z	10.114	1.5
21	MP5A	Mx	.004	1.5
22	MP5A	X	-5.839	4
23	MP5A	Z	10.114	4
24	MP5A	Mx	.004	4
25	MP5B	X	-9.053	1.5
26	MP5B	Z	15.68	1.5
27	MP5B	Mx	-.014	1.5
28	MP5B	X	-9.053	4
29	MP5B	Z	15.68	4
30	MP5B	Mx	-.014	4
31	MP5C	X	-6.181	1.5
32	MP5C	Z	10.706	1.5
33	MP5C	Mx	.005	1.5
34	MP5C	X	-6.181	4
35	MP5C	Z	10.706	4
36	MP5C	Mx	.005	4
37	MP3A	X	-13.813	1.5
38	MP3A	Z	23.924	1.5
39	MP3A	Mx	.031	1.5
40	MP3A	X	-13.813	6
41	MP3A	Z	23.924	6
42	MP3A	Mx	.031	6
43	MP3B	X	-10.237	1.5
44	MP3B	Z	17.732	1.5
45	MP3B	Mx	-.022	1.5
46	MP3B	X	-10.237	6
47	MP3B	Z	17.732	6
48	MP3B	Mx	-.022	6
49	MP3C	X	-13.813	1.5
50	MP3C	Z	23.924	1.5
51	MP3C	Mx	-.000986	1.5
52	MP3C	X	-13.813	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	23.924	6
54	MP3C	Mx	-.000986	6
55	MP3A	X	-13.813	1.5
56	MP3A	Z	23.924	1.5
57	MP3A	Mx	-.000985	1.5
58	MP3A	X	-13.813	6
59	MP3A	Z	23.924	6
60	MP3A	Mx	-.000985	6
61	MP3B	X	-10.237	1.5
62	MP3B	Z	17.732	1.5
63	MP3B	Mx	-.022	1.5
64	MP3B	X	-10.237	6
65	MP3B	Z	17.732	6
66	MP3B	Mx	-.022	6
67	MP3C	X	-13.813	1.5
68	MP3C	Z	23.924	1.5
69	MP3C	Mx	.031	1.5
70	MP3C	X	-13.813	6
71	MP3C	Z	23.924	6
72	MP3C	Mx	.031	6
73	M128A	X	-8.062	1
74	M128A	Z	13.964	1
75	M128A	Mx	0	1
76	MP4A	X	-1.533	3
77	MP4A	Z	2.656	3
78	MP4A	Mx	-.000766	3
79	MP4B	X	-1.228	3
80	MP4B	Z	2.126	3
81	MP4B	Mx	.001	3
82	MP4C	X	-1.533	3
83	MP4C	Z	2.656	3
84	MP4C	Mx	-.000767	3
85	MP3A	X	-5.593	3
86	MP3A	Z	9.687	3
87	MP3A	Mx	-.003	3
88	MP3B	X	-4.395	3
89	MP3B	Z	7.613	3
90	MP3B	Mx	.004	3
91	MP3C	X	-5.593	3
92	MP3C	Z	9.687	3
93	MP3C	Mx	-.003	3
94	MP3A	X	-5.951	5
95	MP3A	Z	10.308	5
96	MP3A	Mx	-.003	5
97	MP3B	X	-3.617	5
98	MP3B	Z	6.266	5
99	MP3B	Mx	.004	5
100	MP3C	X	-5.951	5
101	MP3C	Z	10.308	5
102	MP3C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.862	1.5
2	MP1A	Z	8.003	1.5
3	MP1A	Mx	.01	1.5
4	MP1A	X	-13.862	4
5	MP1A	Z	8.003	4
6	MP1A	Mx	.01	4
7	MP1B	X	-14.398	1.5
8	MP1B	Z	8.313	1.5
9	MP1B	Mx	-.011	1.5
10	MP1B	X	-14.398	4
11	MP1B	Z	8.313	4
12	MP1B	Mx	-.011	4
13	MP1C	X	-8.297	1.5
14	MP1C	Z	4.79	1.5
15	MP1C	Mx	.000626	1.5
16	MP1C	X	-8.297	4
17	MP1C	Z	4.79	4
18	MP1C	Mx	.000626	4
19	MP5A	X	-13.862	1.5
20	MP5A	Z	8.003	1.5
21	MP5A	Mx	.01	1.5
22	MP5A	X	-13.862	4
23	MP5A	Z	8.003	4
24	MP5A	Mx	.01	4
25	MP5B	X	-14.398	1.5
26	MP5B	Z	8.313	1.5
27	MP5B	Mx	-.011	1.5
28	MP5B	X	-14.398	4
29	MP5B	Z	8.313	4
30	MP5B	Mx	-.011	4
31	MP5C	X	-8.297	1.5
32	MP5C	Z	4.79	1.5
33	MP5C	Mx	.000626	1.5
34	MP5C	X	-8.297	4
35	MP5C	Z	4.79	4
36	MP5C	Mx	.000626	4
37	MP3A	X	-19.796	1.5
38	MP3A	Z	11.429	1.5
39	MP3A	Mx	.029	1.5
40	MP3A	X	-19.796	6
41	MP3A	Z	11.429	6
42	MP3A	Mx	.029	6
43	MP3B	X	-19.796	1.5
44	MP3B	Z	11.429	1.5
45	MP3B	Mx	-.014	1.5
46	MP3B	X	-19.796	6
47	MP3B	Z	11.429	6
48	MP3B	Mx	-.014	6
49	MP3C	X	-25.988	1.5
50	MP3C	Z	15.004	1.5
51	MP3C	Mx	-.02	1.5
52	MP3C	X	-25.988	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	15.004	6
54	MP3C	Mx	-.02	6
55	MP3A	X	-19.796	1.5
56	MP3A	Z	11.429	1.5
57	MP3A	Mx	.014	1.5
58	MP3A	X	-19.796	6
59	MP3A	Z	11.429	6
60	MP3A	Mx	.014	6
61	MP3B	X	-19.796	1.5
62	MP3B	Z	11.429	1.5
63	MP3B	Mx	-.029	1.5
64	MP3B	X	-19.796	6
65	MP3B	Z	11.429	6
66	MP3B	Mx	-.029	6
67	MP3C	X	-25.988	1.5
68	MP3C	Z	15.004	1.5
69	MP3C	Mx	.02	1.5
70	MP3C	X	-25.988	6
71	MP3C	Z	15.004	6
72	MP3C	Mx	.02	6
73	M128A	X	-11.525	1
74	M128A	Z	6.654	1
75	M128A	Mx	0	1
76	MP4A	X	-2.303	3
77	MP4A	Z	1.33	3
78	MP4A	Mx	-.001	3
79	MP4B	X	-2.303	3
80	MP4B	Z	1.33	3
81	MP4B	Mx	.001	3
82	MP4C	X	-2.833	3
83	MP4C	Z	1.635	3
84	MP4C	Mx	0	3
85	MP3A	X	-8.305	3
86	MP3A	Z	4.795	3
87	MP3A	Mx	-.004	3
88	MP3B	X	-8.305	3
89	MP3B	Z	4.795	3
90	MP3B	Mx	.004	3
91	MP3C	X	-10.379	3
92	MP3C	Z	5.992	3
93	MP3C	Mx	0	3
94	MP3A	X	-7.613	5
95	MP3A	Z	4.395	5
96	MP3A	Mx	-.004	5
97	MP3B	X	-7.613	5
98	MP3B	Z	4.395	5
99	MP3B	Mx	.004	5
100	MP3C	X	-11.655	5
101	MP3C	Z	6.729	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-18.171	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.014	1.5
4	MP1A	X	-18.171	4
5	MP1A	Z	0	4
6	MP1A	Mx	.014	4
7	MP1B	X	-12.362	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.005	1.5
10	MP1B	X	-12.362	4
11	MP1B	Z	0	4
12	MP1B	Mx	-.005	4
13	MP1C	X	-11.061	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	-11.061	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.004	4
19	MP5A	X	-18.171	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.014	1.5
22	MP5A	X	-18.171	4
23	MP5A	Z	0	4
24	MP5A	Mx	.014	4
25	MP5B	X	-12.362	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.005	1.5
28	MP5B	X	-12.362	4
29	MP5B	Z	0	4
30	MP5B	Mx	-.005	4
31	MP5C	X	-11.061	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.004	1.5
34	MP5C	X	-11.061	4
35	MP5C	Z	0	4
36	MP5C	Mx	-.004	4
37	MP3A	X	-20.475	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.022	1.5
40	MP3A	X	-20.475	6
41	MP3A	Z	0	6
42	MP3A	Mx	.022	6
43	MP3B	X	-27.625	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.000986	1.5
46	MP3B	X	-27.625	6
47	MP3B	Z	0	6
48	MP3B	Mx	.000986	6
49	MP3C	X	-27.625	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.031	1.5
52	MP3C	X	-27.625	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	6
54	MP3C	Mx	-.031	6
55	MP3A	X	-20.475	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.022	1.5
58	MP3A	X	-20.475	6
59	MP3A	Z	0	6
60	MP3A	Mx	.022	6
61	MP3B	X	-27.625	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	-.031	1.5
64	MP3B	X	-27.625	6
65	MP3B	Z	0	6
66	MP3B	Mx	-.031	6
67	MP3C	X	-27.625	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	.000986	1.5
70	MP3C	X	-27.625	6
71	MP3C	Z	0	6
72	MP3C	Mx	.000986	6
73	M128A	X	-11.9	1
74	M128A	Z	0	1
75	M128A	Mx	0	1
76	MP4A	X	-2.455	3
77	MP4A	Z	0	3
78	MP4A	Mx	-.001	3
79	MP4B	X	-3.067	3
80	MP4B	Z	0	3
81	MP4B	Mx	.000767	3
82	MP4C	X	-3.067	3
83	MP4C	Z	0	3
84	MP4C	Mx	.000767	3
85	MP3A	X	-8.791	3
86	MP3A	Z	0	3
87	MP3A	Mx	-.004	3
88	MP3B	X	-11.186	3
89	MP3B	Z	0	3
90	MP3B	Mx	.003	3
91	MP3C	X	-11.186	3
92	MP3C	Z	0	3
93	MP3C	Mx	.003	3
94	MP3A	X	-7.235	5
95	MP3A	Z	0	5
96	MP3A	Mx	-.004	5
97	MP3B	X	-11.903	5
98	MP3B	Z	0	5
99	MP3B	Mx	.003	5
100	MP3C	X	-11.903	5
101	MP3C	Z	0	5
102	MP3C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.862	1.5
2	MP1A	Z	-8.003	1.5
3	MP1A	Mx	.01	1.5
4	MP1A	X	-13.862	4
5	MP1A	Z	-8.003	4
6	MP1A	Mx	.01	4
7	MP1B	X	-8.297	1.5
8	MP1B	Z	-4.79	1.5
9	MP1B	Mx	-.000626	1.5
10	MP1B	X	-8.297	4
11	MP1B	Z	-4.79	4
12	MP1B	Mx	-.000626	4
13	MP1C	X	-13.27	1.5
14	MP1C	Z	-7.662	1.5
15	MP1C	Mx	-.009	1.5
16	MP1C	X	-13.27	4
17	MP1C	Z	-7.662	4
18	MP1C	Mx	-.009	4
19	MP5A	X	-13.862	1.5
20	MP5A	Z	-8.003	1.5
21	MP5A	Mx	.01	1.5
22	MP5A	X	-13.862	4
23	MP5A	Z	-8.003	4
24	MP5A	Mx	.01	4
25	MP5B	X	-8.297	1.5
26	MP5B	Z	-4.79	1.5
27	MP5B	Mx	-.000626	1.5
28	MP5B	X	-8.297	4
29	MP5B	Z	-4.79	4
30	MP5B	Mx	-.000626	4
31	MP5C	X	-13.27	1.5
32	MP5C	Z	-7.662	1.5
33	MP5C	Mx	-.009	1.5
34	MP5C	X	-13.27	4
35	MP5C	Z	-7.662	4
36	MP5C	Mx	-.009	4
37	MP3A	X	-19.796	1.5
38	MP3A	Z	-11.429	1.5
39	MP3A	Mx	.014	1.5
40	MP3A	X	-19.796	6
41	MP3A	Z	-11.429	6
42	MP3A	Mx	.014	6
43	MP3B	X	-25.988	1.5
44	MP3B	Z	-15.004	1.5
45	MP3B	Mx	.02	1.5
46	MP3B	X	-25.988	6
47	MP3B	Z	-15.004	6
48	MP3B	Mx	.02	6
49	MP3C	X	-19.796	1.5
50	MP3C	Z	-11.429	1.5
51	MP3C	Mx	-.029	1.5
52	MP3C	X	-19.796	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-11.429	6
54	MP3C	Mx	-.029	6
55	MP3A	X	-19.796	1.5
56	MP3A	Z	-11.429	1.5
57	MP3A	Mx	.029	1.5
58	MP3A	X	-19.796	6
59	MP3A	Z	-11.429	6
60	MP3A	Mx	.029	6
61	MP3B	X	-25.988	1.5
62	MP3B	Z	-15.004	1.5
63	MP3B	Mx	-.02	1.5
64	MP3B	X	-25.988	6
65	MP3B	Z	-15.004	6
66	MP3B	Mx	-.02	6
67	MP3C	X	-19.796	1.5
68	MP3C	Z	-11.429	1.5
69	MP3C	Mx	-.014	1.5
70	MP3C	X	-19.796	6
71	MP3C	Z	-11.429	6
72	MP3C	Mx	-.014	6
73	M128A	X	-11.525	1
74	M128A	Z	-6.654	1
75	M128A	Mx	0	1
76	MP4A	X	-2.303	3
77	MP4A	Z	-1.33	3
78	MP4A	Mx	-.001	3
79	MP4B	X	-2.833	3
80	MP4B	Z	-1.635	3
81	MP4B	Mx	0	3
82	MP4C	X	-2.303	3
83	MP4C	Z	-1.33	3
84	MP4C	Mx	.001	3
85	MP3A	X	-8.305	3
86	MP3A	Z	-4.795	3
87	MP3A	Mx	-.004	3
88	MP3B	X	-10.379	3
89	MP3B	Z	-5.992	3
90	MP3B	Mx	0	3
91	MP3C	X	-8.305	3
92	MP3C	Z	-4.795	3
93	MP3C	Mx	.004	3
94	MP3A	X	-7.613	5
95	MP3A	Z	-4.395	5
96	MP3A	Mx	-.004	5
97	MP3B	X	-11.655	5
98	MP3B	Z	-6.729	5
99	MP3B	Mx	0	5
100	MP3C	X	-7.613	5
101	MP3C	Z	-4.395	5
102	MP3C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.839	1.5
2	MP1A	Z	-10.114	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-5.839	4
5	MP1A	Z	-10.114	4
6	MP1A	Mx	.004	4
7	MP1B	X	-5.53	1.5
8	MP1B	Z	-9.579	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	-5.53	4
11	MP1B	Z	-9.579	4
12	MP1B	Mx	.004	4
13	MP1C	X	-9.053	1.5
14	MP1C	Z	-15.68	1.5
15	MP1C	Mx	-.014	1.5
16	MP1C	X	-9.053	4
17	MP1C	Z	-15.68	4
18	MP1C	Mx	-.014	4
19	MP5A	X	-5.839	1.5
20	MP5A	Z	-10.114	1.5
21	MP5A	Mx	.004	1.5
22	MP5A	X	-5.839	4
23	MP5A	Z	-10.114	4
24	MP5A	Mx	.004	4
25	MP5B	X	-5.53	1.5
26	MP5B	Z	-9.579	1.5
27	MP5B	Mx	.004	1.5
28	MP5B	X	-5.53	4
29	MP5B	Z	-9.579	4
30	MP5B	Mx	.004	4
31	MP5C	X	-9.053	1.5
32	MP5C	Z	-15.68	1.5
33	MP5C	Mx	-.014	1.5
34	MP5C	X	-9.053	4
35	MP5C	Z	-15.68	4
36	MP5C	Mx	-.014	4
37	MP3A	X	-13.813	1.5
38	MP3A	Z	-23.924	1.5
39	MP3A	Mx	-.000985	1.5
40	MP3A	X	-13.813	6
41	MP3A	Z	-23.924	6
42	MP3A	Mx	-.000985	6
43	MP3B	X	-13.813	1.5
44	MP3B	Z	-23.924	1.5
45	MP3B	Mx	.031	1.5
46	MP3B	X	-13.813	6
47	MP3B	Z	-23.924	6
48	MP3B	Mx	.031	6
49	MP3C	X	-10.237	1.5
50	MP3C	Z	-17.732	1.5
51	MP3C	Mx	-.022	1.5
52	MP3C	X	-10.237	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-17.732	6
54	MP3C	Mx	-.022	6
55	MP3A	X	-13.813	1.5
56	MP3A	Z	-23.924	1.5
57	MP3A	Mx	.031	1.5
58	MP3A	X	-13.813	6
59	MP3A	Z	-23.924	6
60	MP3A	Mx	.031	6
61	MP3B	X	-13.813	1.5
62	MP3B	Z	-23.924	1.5
63	MP3B	Mx	-.000986	1.5
64	MP3B	X	-13.813	6
65	MP3B	Z	-23.924	6
66	MP3B	Mx	-.000986	6
67	MP3C	X	-10.237	1.5
68	MP3C	Z	-17.732	1.5
69	MP3C	Mx	-.022	1.5
70	MP3C	X	-10.237	6
71	MP3C	Z	-17.732	6
72	MP3C	Mx	-.022	6
73	M128A	X	-8.062	1
74	M128A	Z	-13.964	1
75	M128A	Mx	0	1
76	MP4A	X	-1.533	3
77	MP4A	Z	-2.656	3
78	MP4A	Mx	-.000766	3
79	MP4B	X	-1.533	3
80	MP4B	Z	-2.656	3
81	MP4B	Mx	-.000767	3
82	MP4C	X	-1.228	3
83	MP4C	Z	-2.126	3
84	MP4C	Mx	.001	3
85	MP3A	X	-5.593	3
86	MP3A	Z	-9.687	3
87	MP3A	Mx	-.003	3
88	MP3B	X	-5.593	3
89	MP3B	Z	-9.687	3
90	MP3B	Mx	-.003	3
91	MP3C	X	-4.395	3
92	MP3C	Z	-7.613	3
93	MP3C	Mx	.004	3
94	MP3A	X	-5.951	5
95	MP3A	Z	-10.308	5
96	MP3A	Mx	-.003	5
97	MP3B	X	-5.951	5
98	MP3B	Z	-10.308	5
99	MP3B	Mx	-.003	5
100	MP3C	X	-3.617	5
101	MP3C	Z	-6.266	5
102	MP3C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-2.823	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4
5	MP1A	Z	-2.823	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	-4.847	1.5
9	MP1B	Mx	.003	1.5
10	MP1B	X	0	4
11	MP1B	Z	-4.847	4
12	MP1B	Mx	.003	4
13	MP1C	X	0	1.5
14	MP1C	Z	-5.3	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	0	4
17	MP1C	Z	-5.3	4
18	MP1C	Mx	-.004	4
19	MP5A	X	0	1.5
20	MP5A	Z	-2.823	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	-2.823	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	-4.847	1.5
27	MP5B	Mx	.003	1.5
28	MP5B	X	0	4
29	MP5B	Z	-4.847	4
30	MP5B	Mx	.003	4
31	MP5C	X	0	1.5
32	MP5C	Z	-5.3	1.5
33	MP5C	Mx	-.004	1.5
34	MP5C	X	0	4
35	MP5C	Z	-5.3	4
36	MP5C	Mx	-.004	4
37	MP3A	X	0	1.5
38	MP3A	Z	-9.853	1.5
39	MP3A	Mx	-.007	1.5
40	MP3A	X	0	6
41	MP3A	Z	-9.853	6
42	MP3A	Mx	-.007	6
43	MP3B	X	0	1.5
44	MP3B	Z	-7.317	1.5
45	MP3B	Mx	.009	1.5
46	MP3B	X	0	6
47	MP3B	Z	-7.317	6
48	MP3B	Mx	.009	6
49	MP3C	X	0	1.5
50	MP3C	Z	-7.317	1.5
51	MP3C	Mx	-.004	1.5
52	MP3C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-7.317	6
54	MP3C	Mx	-.004	6
55	MP3A	X	0	1.5
56	MP3A	Z	-9.853	1.5
57	MP3A	Mx	.007	1.5
58	MP3A	X	0	6
59	MP3A	Z	-9.853	6
60	MP3A	Mx	.007	6
61	MP3B	X	0	1.5
62	MP3B	Z	-7.317	1.5
63	MP3B	Mx	.004	1.5
64	MP3B	X	0	6
65	MP3B	Z	-7.317	6
66	MP3B	Mx	.004	6
67	MP3C	X	0	1.5
68	MP3C	Z	-7.317	1.5
69	MP3C	Mx	-.009	1.5
70	MP3C	X	0	6
71	MP3C	Z	-7.317	6
72	MP3C	Mx	-.009	6
73	M128A	X	0	1
74	M128A	Z	-5.408	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	-.8	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	-.615	3
81	MP4B	Mx	-.000266	3
82	MP4C	X	0	3
83	MP4C	Z	-.615	3
84	MP4C	Mx	.000266	3
85	MP3A	X	0	3
86	MP3A	Z	-3.547	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	-2.773	3
90	MP3B	Mx	-.001	3
91	MP3C	X	0	3
92	MP3C	Z	-2.773	3
93	MP3C	Mx	.001	3
94	MP3A	X	0	5
95	MP3A	Z	-3.547	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	-2.388	5
99	MP3B	Mx	-.001	5
100	MP3C	X	0	5
101	MP3C	Z	-2.388	5
102	MP3C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.788	1.5
2	MP1A	Z	-3.098	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	1.788	4
5	MP1A	Z	-3.098	4
6	MP1A	Mx	-.001	4
7	MP1B	X	2.908	1.5
8	MP1B	Z	-5.037	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	2.908	4
11	MP1B	Z	-5.037	4
12	MP1B	Mx	.004	4
13	MP1C	X	1.908	1.5
14	MP1C	Z	-3.304	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	1.908	4
17	MP1C	Z	-3.304	4
18	MP1C	Mx	-.002	4
19	MP5A	X	1.788	1.5
20	MP5A	Z	-3.098	1.5
21	MP5A	Mx	-.001	1.5
22	MP5A	X	1.788	4
23	MP5A	Z	-3.098	4
24	MP5A	Mx	-.001	4
25	MP5B	X	2.908	1.5
26	MP5B	Z	-5.037	1.5
27	MP5B	Mx	.004	1.5
28	MP5B	X	2.908	4
29	MP5B	Z	-5.037	4
30	MP5B	Mx	.004	4
31	MP5C	X	1.908	1.5
32	MP5C	Z	-3.304	1.5
33	MP5C	Mx	-.002	1.5
34	MP5C	X	1.908	4
35	MP5C	Z	-3.304	4
36	MP5C	Mx	-.002	4
37	MP3A	X	4.504	1.5
38	MP3A	Z	-7.801	1.5
39	MP3A	Mx	-.01	1.5
40	MP3A	X	4.504	6
41	MP3A	Z	-7.801	6
42	MP3A	Mx	-.01	6
43	MP3B	X	3.236	1.5
44	MP3B	Z	-5.604	1.5
45	MP3B	Mx	.007	1.5
46	MP3B	X	3.236	6
47	MP3B	Z	-5.604	6
48	MP3B	Mx	.007	6
49	MP3C	X	4.504	1.5
50	MP3C	Z	-7.801	1.5
51	MP3C	Mx	.000322	1.5
52	MP3C	X	4.504	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-7.801	6
54	MP3C	Mx	.000322	6
55	MP3A	X	4.504	1.5
56	MP3A	Z	-7.801	1.5
57	MP3A	Mx	.000321	1.5
58	MP3A	X	4.504	6
59	MP3A	Z	-7.801	6
60	MP3A	Mx	.000321	6
61	MP3B	X	3.236	1.5
62	MP3B	Z	-5.604	1.5
63	MP3B	Mx	.007	1.5
64	MP3B	X	3.236	6
65	MP3B	Z	-5.604	6
66	MP3B	Mx	.007	6
67	MP3C	X	4.504	1.5
68	MP3C	Z	-7.801	1.5
69	MP3C	Mx	-.01	1.5
70	MP3C	X	4.504	6
71	MP3C	Z	-7.801	6
72	MP3C	Mx	-.01	6
73	M128A	X	2.467	1
74	M128A	Z	-4.273	1
75	M128A	Mx	0	1
76	MP4A	X	.369	3
77	MP4A	Z	-.64	3
78	MP4A	Mx	.000184	3
79	MP4B	X	.277	3
80	MP4B	Z	-.48	3
81	MP4B	Mx	-.000277	3
82	MP4C	X	.369	3
83	MP4C	Z	-.64	3
84	MP4C	Mx	.000185	3
85	MP3A	X	1.645	3
86	MP3A	Z	-2.849	3
87	MP3A	Mx	.000823	3
88	MP3B	X	1.257	3
89	MP3B	Z	-2.178	3
90	MP3B	Mx	-.001	3
91	MP3C	X	1.645	3
92	MP3C	Z	-2.849	3
93	MP3C	Mx	.000822	3
94	MP3A	X	1.58	5
95	MP3A	Z	-2.737	5
96	MP3A	Mx	.00079	5
97	MP3B	X	1	5
98	MP3B	Z	-1.733	5
99	MP3B	Mx	-.001	5
100	MP3C	X	1.58	5
101	MP3C	Z	-2.737	5
102	MP3C	Mx	.00079	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.404	1.5
2	MP1A	Z	-2.543	1.5
3	MP1A	Mx	-.003	1.5
4	MP1A	X	4.404	4
5	MP1A	Z	-2.543	4
6	MP1A	Mx	-.003	4
7	MP1B	X	4.59	1.5
8	MP1B	Z	-2.65	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	4.59	4
11	MP1B	Z	-2.65	4
12	MP1B	Mx	.004	4
13	MP1C	X	2.465	1.5
14	MP1C	Z	-1.423	1.5
15	MP1C	Mx	-.000186	1.5
16	MP1C	X	2.465	4
17	MP1C	Z	-1.423	4
18	MP1C	Mx	-.000186	4
19	MP5A	X	4.404	1.5
20	MP5A	Z	-2.543	1.5
21	MP5A	Mx	-.003	1.5
22	MP5A	X	4.404	4
23	MP5A	Z	-2.543	4
24	MP5A	Mx	-.003	4
25	MP5B	X	4.59	1.5
26	MP5B	Z	-2.65	1.5
27	MP5B	Mx	.004	1.5
28	MP5B	X	4.59	4
29	MP5B	Z	-2.65	4
30	MP5B	Mx	.004	4
31	MP5C	X	2.465	1.5
32	MP5C	Z	-1.423	1.5
33	MP5C	Mx	-.000186	1.5
34	MP5C	X	2.465	4
35	MP5C	Z	-1.423	4
36	MP5C	Mx	-.000186	4
37	MP3A	X	6.336	1.5
38	MP3A	Z	-3.658	1.5
39	MP3A	Mx	-.009	1.5
40	MP3A	X	6.336	6
41	MP3A	Z	-3.658	6
42	MP3A	Mx	-.009	6
43	MP3B	X	6.336	1.5
44	MP3B	Z	-3.658	1.5
45	MP3B	Mx	.004	1.5
46	MP3B	X	6.336	6
47	MP3B	Z	-3.658	6
48	MP3B	Mx	.004	6
49	MP3C	X	8.533	1.5
50	MP3C	Z	-4.926	1.5
51	MP3C	Mx	.007	1.5
52	MP3C	X	8.533	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-4.926	6
54	MP3C	Mx	.007	6
55	MP3A	X	6.336	1.5
56	MP3A	Z	-3.658	1.5
57	MP3A	Mx	-.004	1.5
58	MP3A	X	6.336	6
59	MP3A	Z	-3.658	6
60	MP3A	Mx	-.004	6
61	MP3B	X	6.336	1.5
62	MP3B	Z	-3.658	1.5
63	MP3B	Mx	.009	1.5
64	MP3B	X	6.336	6
65	MP3B	Z	-3.658	6
66	MP3B	Mx	.009	6
67	MP3C	X	8.533	1.5
68	MP3C	Z	-4.926	1.5
69	MP3C	Mx	-.007	1.5
70	MP3C	X	8.533	6
71	MP3C	Z	-4.926	6
72	MP3C	Mx	-.007	6
73	M128A	X	3.452	1
74	M128A	Z	-1.993	1
75	M128A	Mx	0	1
76	MP4A	X	.533	3
77	MP4A	Z	-.308	3
78	MP4A	Mx	.000266	3
79	MP4B	X	.533	3
80	MP4B	Z	-.308	3
81	MP4B	Mx	-.000267	3
82	MP4C	X	.693	3
83	MP4C	Z	-.4	3
84	MP4C	Mx	0	3
85	MP3A	X	2.401	3
86	MP3A	Z	-1.386	3
87	MP3A	Mx	.001	3
88	MP3B	X	2.401	3
89	MP3B	Z	-1.386	3
90	MP3B	Mx	-.001	3
91	MP3C	X	3.072	3
92	MP3C	Z	-1.774	3
93	MP3C	Mx	0	3
94	MP3A	X	2.068	5
95	MP3A	Z	-1.194	5
96	MP3A	Mx	.001	5
97	MP3B	X	2.068	5
98	MP3B	Z	-1.194	5
99	MP3B	Mx	-.001	5
100	MP3C	X	3.072	5
101	MP3C	Z	-1.774	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.839	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	5.839	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.004	4
7	MP1B	X	3.815	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	3.815	4
11	MP1B	Z	0	4
12	MP1B	Mx	.002	4
13	MP1C	X	3.362	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	3.362	4
17	MP1C	Z	0	4
18	MP1C	Mx	.001	4
19	MP5A	X	5.839	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.004	1.5
22	MP5A	X	5.839	4
23	MP5A	Z	0	4
24	MP5A	Mx	-.004	4
25	MP5B	X	3.815	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.002	1.5
28	MP5B	X	3.815	4
29	MP5B	Z	0	4
30	MP5B	Mx	.002	4
31	MP5C	X	3.362	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.001	1.5
34	MP5C	X	3.362	4
35	MP5C	Z	0	4
36	MP5C	Mx	.001	4
37	MP3A	X	6.471	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.007	1.5
40	MP3A	X	6.471	6
41	MP3A	Z	0	6
42	MP3A	Mx	-.007	6
43	MP3B	X	9.008	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.000321	1.5
46	MP3B	X	9.008	6
47	MP3B	Z	0	6
48	MP3B	Mx	-.000321	6
49	MP3C	X	9.008	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.01	1.5
52	MP3C	X	9.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	6
54	MP3C	Mx	.01	6
55	MP3A	X	6.471	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.007	1.5
58	MP3A	X	6.471	6
59	MP3A	Z	0	6
60	MP3A	Mx	-.007	6
61	MP3B	X	9.008	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.01	1.5
64	MP3B	X	9.008	6
65	MP3B	Z	0	6
66	MP3B	Mx	.01	6
67	MP3C	X	9.008	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	-.000321	1.5
70	MP3C	X	9.008	6
71	MP3C	Z	0	6
72	MP3C	Mx	-.000321	6
73	M128A	X	3.512	1
74	M128A	Z	0	1
75	M128A	Mx	0	1
76	MP4A	X	.554	3
77	MP4A	Z	0	3
78	MP4A	Mx	.000277	3
79	MP4B	X	.739	3
80	MP4B	Z	0	3
81	MP4B	Mx	-.000185	3
82	MP4C	X	.739	3
83	MP4C	Z	0	3
84	MP4C	Mx	-.000185	3
85	MP3A	X	2.515	3
86	MP3A	Z	0	3
87	MP3A	Mx	.001	3
88	MP3B	X	3.289	3
89	MP3B	Z	0	3
90	MP3B	Mx	-.000822	3
91	MP3C	X	3.289	3
92	MP3C	Z	0	3
93	MP3C	Mx	-.000822	3
94	MP3A	X	2.001	5
95	MP3A	Z	0	5
96	MP3A	Mx	.001	5
97	MP3B	X	3.161	5
98	MP3B	Z	0	5
99	MP3B	Mx	-.00079	5
100	MP3C	X	3.161	5
101	MP3C	Z	0	5
102	MP3C	Mx	-.00079	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.404	1.5
2	MP1A	Z	2.543	1.5
3	MP1A	Mx	-.003	1.5
4	MP1A	X	4.404	4
5	MP1A	Z	2.543	4
6	MP1A	Mx	-.003	4
7	MP1B	X	2.465	1.5
8	MP1B	Z	1.423	1.5
9	MP1B	Mx	.000186	1.5
10	MP1B	X	2.465	4
11	MP1B	Z	1.423	4
12	MP1B	Mx	.000186	4
13	MP1C	X	4.197	1.5
14	MP1C	Z	2.423	1.5
15	MP1C	Mx	.003	1.5
16	MP1C	X	4.197	4
17	MP1C	Z	2.423	4
18	MP1C	Mx	.003	4
19	MP5A	X	4.404	1.5
20	MP5A	Z	2.543	1.5
21	MP5A	Mx	-.003	1.5
22	MP5A	X	4.404	4
23	MP5A	Z	2.543	4
24	MP5A	Mx	-.003	4
25	MP5B	X	2.465	1.5
26	MP5B	Z	1.423	1.5
27	MP5B	Mx	.000186	1.5
28	MP5B	X	2.465	4
29	MP5B	Z	1.423	4
30	MP5B	Mx	.000186	4
31	MP5C	X	4.197	1.5
32	MP5C	Z	2.423	1.5
33	MP5C	Mx	.003	1.5
34	MP5C	X	4.197	4
35	MP5C	Z	2.423	4
36	MP5C	Mx	.003	4
37	MP3A	X	6.336	1.5
38	MP3A	Z	3.658	1.5
39	MP3A	Mx	-.004	1.5
40	MP3A	X	6.336	6
41	MP3A	Z	3.658	6
42	MP3A	Mx	-.004	6
43	MP3B	X	8.533	1.5
44	MP3B	Z	4.926	1.5
45	MP3B	Mx	-.007	1.5
46	MP3B	X	8.533	6
47	MP3B	Z	4.926	6
48	MP3B	Mx	-.007	6
49	MP3C	X	6.336	1.5
50	MP3C	Z	3.658	1.5
51	MP3C	Mx	.009	1.5
52	MP3C	X	6.336	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	3.658	6
54	MP3C	Mx	.009	6
55	MP3A	X	6.336	1.5
56	MP3A	Z	3.658	1.5
57	MP3A	Mx	-.009	1.5
58	MP3A	X	6.336	6
59	MP3A	Z	3.658	6
60	MP3A	Mx	-.009	6
61	MP3B	X	8.533	1.5
62	MP3B	Z	4.926	1.5
63	MP3B	Mx	.007	1.5
64	MP3B	X	8.533	6
65	MP3B	Z	4.926	6
66	MP3B	Mx	.007	6
67	MP3C	X	6.336	1.5
68	MP3C	Z	3.658	1.5
69	MP3C	Mx	.004	1.5
70	MP3C	X	6.336	6
71	MP3C	Z	3.658	6
72	MP3C	Mx	.004	6
73	M128A	X	3.452	1
74	M128A	Z	1.993	1
75	M128A	Mx	0	1
76	MP4A	X	.533	3
77	MP4A	Z	.308	3
78	MP4A	Mx	.000266	3
79	MP4B	X	.693	3
80	MP4B	Z	.4	3
81	MP4B	Mx	0	3
82	MP4C	X	.533	3
83	MP4C	Z	.308	3
84	MP4C	Mx	-.000267	3
85	MP3A	X	2.401	3
86	MP3A	Z	1.386	3
87	MP3A	Mx	.001	3
88	MP3B	X	3.072	3
89	MP3B	Z	1.774	3
90	MP3B	Mx	0	3
91	MP3C	X	2.401	3
92	MP3C	Z	1.386	3
93	MP3C	Mx	-.001	3
94	MP3A	X	2.068	5
95	MP3A	Z	1.194	5
96	MP3A	Mx	.001	5
97	MP3B	X	3.072	5
98	MP3B	Z	1.774	5
99	MP3B	Mx	0	5
100	MP3C	X	2.068	5
101	MP3C	Z	1.194	5
102	MP3C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.788	1.5
2	MP1A	Z	3.098	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	1.788	4
5	MP1A	Z	3.098	4
6	MP1A	Mx	-.001	4
7	MP1B	X	1.681	1.5
8	MP1B	Z	2.911	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	1.681	4
11	MP1B	Z	2.911	4
12	MP1B	Mx	-.001	4
13	MP1C	X	2.908	1.5
14	MP1C	Z	5.037	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	2.908	4
17	MP1C	Z	5.037	4
18	MP1C	Mx	.004	4
19	MP5A	X	1.788	1.5
20	MP5A	Z	3.098	1.5
21	MP5A	Mx	-.001	1.5
22	MP5A	X	1.788	4
23	MP5A	Z	3.098	4
24	MP5A	Mx	-.001	4
25	MP5B	X	1.681	1.5
26	MP5B	Z	2.911	1.5
27	MP5B	Mx	-.001	1.5
28	MP5B	X	1.681	4
29	MP5B	Z	2.911	4
30	MP5B	Mx	-.001	4
31	MP5C	X	2.908	1.5
32	MP5C	Z	5.037	1.5
33	MP5C	Mx	.004	1.5
34	MP5C	X	2.908	4
35	MP5C	Z	5.037	4
36	MP5C	Mx	.004	4
37	MP3A	X	4.504	1.5
38	MP3A	Z	7.801	1.5
39	MP3A	Mx	.000321	1.5
40	MP3A	X	4.504	6
41	MP3A	Z	7.801	6
42	MP3A	Mx	.000321	6
43	MP3B	X	4.504	1.5
44	MP3B	Z	7.801	1.5
45	MP3B	Mx	-.01	1.5
46	MP3B	X	4.504	6
47	MP3B	Z	7.801	6
48	MP3B	Mx	-.01	6
49	MP3C	X	3.236	1.5
50	MP3C	Z	5.604	1.5
51	MP3C	Mx	.007	1.5
52	MP3C	X	3.236	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	5.604	6
54	MP3C	Mx	.007	6
55	MP3A	X	4.504	1.5
56	MP3A	Z	7.801	1.5
57	MP3A	Mx	-.01	1.5
58	MP3A	X	4.504	6
59	MP3A	Z	7.801	6
60	MP3A	Mx	-.01	6
61	MP3B	X	4.504	1.5
62	MP3B	Z	7.801	1.5
63	MP3B	Mx	.000322	1.5
64	MP3B	X	4.504	6
65	MP3B	Z	7.801	6
66	MP3B	Mx	.000322	6
67	MP3C	X	3.236	1.5
68	MP3C	Z	5.604	1.5
69	MP3C	Mx	.007	1.5
70	MP3C	X	3.236	6
71	MP3C	Z	5.604	6
72	MP3C	Mx	.007	6
73	M128A	X	2.467	1
74	M128A	Z	4.273	1
75	M128A	Mx	0	1
76	MP4A	X	.369	3
77	MP4A	Z	.64	3
78	MP4A	Mx	.000184	3
79	MP4B	X	.369	3
80	MP4B	Z	.64	3
81	MP4B	Mx	.000185	3
82	MP4C	X	.277	3
83	MP4C	Z	.48	3
84	MP4C	Mx	-.000277	3
85	MP3A	X	1.645	3
86	MP3A	Z	2.849	3
87	MP3A	Mx	.000823	3
88	MP3B	X	1.645	3
89	MP3B	Z	2.849	3
90	MP3B	Mx	.000822	3
91	MP3C	X	1.257	3
92	MP3C	Z	2.178	3
93	MP3C	Mx	-.001	3
94	MP3A	X	1.58	5
95	MP3A	Z	2.737	5
96	MP3A	Mx	.00079	5
97	MP3B	X	1.58	5
98	MP3B	Z	2.737	5
99	MP3B	Mx	.00079	5
100	MP3C	X	1	5
101	MP3C	Z	1.733	5
102	MP3C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	2.823	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4
5	MP1A	Z	2.823	4
6	MP1A	Mx	0	4
7	MP1B	X	0	1.5
8	MP1B	Z	4.847	1.5
9	MP1B	Mx	-.003	1.5
10	MP1B	X	0	4
11	MP1B	Z	4.847	4
12	MP1B	Mx	-.003	4
13	MP1C	X	0	1.5
14	MP1C	Z	5.3	1.5
15	MP1C	Mx	.004	1.5
16	MP1C	X	0	4
17	MP1C	Z	5.3	4
18	MP1C	Mx	.004	4
19	MP5A	X	0	1.5
20	MP5A	Z	2.823	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	0	4
23	MP5A	Z	2.823	4
24	MP5A	Mx	0	4
25	MP5B	X	0	1.5
26	MP5B	Z	4.847	1.5
27	MP5B	Mx	-.003	1.5
28	MP5B	X	0	4
29	MP5B	Z	4.847	4
30	MP5B	Mx	-.003	4
31	MP5C	X	0	1.5
32	MP5C	Z	5.3	1.5
33	MP5C	Mx	.004	1.5
34	MP5C	X	0	4
35	MP5C	Z	5.3	4
36	MP5C	Mx	.004	4
37	MP3A	X	0	1.5
38	MP3A	Z	9.853	1.5
39	MP3A	Mx	.007	1.5
40	MP3A	X	0	6
41	MP3A	Z	9.853	6
42	MP3A	Mx	.007	6
43	MP3B	X	0	1.5
44	MP3B	Z	7.317	1.5
45	MP3B	Mx	-.009	1.5
46	MP3B	X	0	6
47	MP3B	Z	7.317	6
48	MP3B	Mx	-.009	6
49	MP3C	X	0	1.5
50	MP3C	Z	7.317	1.5
51	MP3C	Mx	.004	1.5
52	MP3C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	7.317	6
54	MP3C	Mx	.004	6
55	MP3A	X	0	1.5
56	MP3A	Z	9.853	1.5
57	MP3A	Mx	-.007	1.5
58	MP3A	X	0	6
59	MP3A	Z	9.853	6
60	MP3A	Mx	-.007	6
61	MP3B	X	0	1.5
62	MP3B	Z	7.317	1.5
63	MP3B	Mx	-.004	1.5
64	MP3B	X	0	6
65	MP3B	Z	7.317	6
66	MP3B	Mx	-.004	6
67	MP3C	X	0	1.5
68	MP3C	Z	7.317	1.5
69	MP3C	Mx	.009	1.5
70	MP3C	X	0	6
71	MP3C	Z	7.317	6
72	MP3C	Mx	.009	6
73	M128A	X	0	1
74	M128A	Z	5.408	1
75	M128A	Mx	0	1
76	MP4A	X	0	3
77	MP4A	Z	.8	3
78	MP4A	Mx	0	3
79	MP4B	X	0	3
80	MP4B	Z	.615	3
81	MP4B	Mx	.000266	3
82	MP4C	X	0	3
83	MP4C	Z	.615	3
84	MP4C	Mx	-.000266	3
85	MP3A	X	0	3
86	MP3A	Z	3.547	3
87	MP3A	Mx	0	3
88	MP3B	X	0	3
89	MP3B	Z	2.773	3
90	MP3B	Mx	.001	3
91	MP3C	X	0	3
92	MP3C	Z	2.773	3
93	MP3C	Mx	-.001	3
94	MP3A	X	0	5
95	MP3A	Z	3.547	5
96	MP3A	Mx	0	5
97	MP3B	X	0	5
98	MP3B	Z	2.388	5
99	MP3B	Mx	.001	5
100	MP3C	X	0	5
101	MP3C	Z	2.388	5
102	MP3C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.788	1.5
2	MP1A	Z	3.098	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-1.788	4
5	MP1A	Z	3.098	4
6	MP1A	Mx	.001	4
7	MP1B	X	-2.908	1.5
8	MP1B	Z	5.037	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-2.908	4
11	MP1B	Z	5.037	4
12	MP1B	Mx	-.004	4
13	MP1C	X	-1.908	1.5
14	MP1C	Z	3.304	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	-1.908	4
17	MP1C	Z	3.304	4
18	MP1C	Mx	.002	4
19	MP5A	X	-1.788	1.5
20	MP5A	Z	3.098	1.5
21	MP5A	Mx	.001	1.5
22	MP5A	X	-1.788	4
23	MP5A	Z	3.098	4
24	MP5A	Mx	.001	4
25	MP5B	X	-2.908	1.5
26	MP5B	Z	5.037	1.5
27	MP5B	Mx	-.004	1.5
28	MP5B	X	-2.908	4
29	MP5B	Z	5.037	4
30	MP5B	Mx	-.004	4
31	MP5C	X	-1.908	1.5
32	MP5C	Z	3.304	1.5
33	MP5C	Mx	.002	1.5
34	MP5C	X	-1.908	4
35	MP5C	Z	3.304	4
36	MP5C	Mx	.002	4
37	MP3A	X	-4.504	1.5
38	MP3A	Z	7.801	1.5
39	MP3A	Mx	.01	1.5
40	MP3A	X	-4.504	6
41	MP3A	Z	7.801	6
42	MP3A	Mx	.01	6
43	MP3B	X	-3.236	1.5
44	MP3B	Z	5.604	1.5
45	MP3B	Mx	-.007	1.5
46	MP3B	X	-3.236	6
47	MP3B	Z	5.604	6
48	MP3B	Mx	-.007	6
49	MP3C	X	-4.504	1.5
50	MP3C	Z	7.801	1.5
51	MP3C	Mx	-.000322	1.5
52	MP3C	X	-4.504	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	7.801	6
54	MP3C	Mx	-.000322	6
55	MP3A	X	-4.504	1.5
56	MP3A	Z	7.801	1.5
57	MP3A	Mx	-.000321	1.5
58	MP3A	X	-4.504	6
59	MP3A	Z	7.801	6
60	MP3A	Mx	-.000321	6
61	MP3B	X	-3.236	1.5
62	MP3B	Z	5.604	1.5
63	MP3B	Mx	-.007	1.5
64	MP3B	X	-3.236	6
65	MP3B	Z	5.604	6
66	MP3B	Mx	-.007	6
67	MP3C	X	-4.504	1.5
68	MP3C	Z	7.801	1.5
69	MP3C	Mx	.01	1.5
70	MP3C	X	-4.504	6
71	MP3C	Z	7.801	6
72	MP3C	Mx	.01	6
73	M128A	X	-2.467	1
74	M128A	Z	4.273	1
75	M128A	Mx	0	1
76	MP4A	X	-.369	3
77	MP4A	Z	.64	3
78	MP4A	Mx	-.000184	3
79	MP4B	X	-.277	3
80	MP4B	Z	.48	3
81	MP4B	Mx	.000277	3
82	MP4C	X	-.369	3
83	MP4C	Z	.64	3
84	MP4C	Mx	-.000185	3
85	MP3A	X	-1.645	3
86	MP3A	Z	2.849	3
87	MP3A	Mx	-.000823	3
88	MP3B	X	-1.257	3
89	MP3B	Z	2.178	3
90	MP3B	Mx	.001	3
91	MP3C	X	-1.645	3
92	MP3C	Z	2.849	3
93	MP3C	Mx	-.000822	3
94	MP3A	X	-1.58	5
95	MP3A	Z	2.737	5
96	MP3A	Mx	-.00079	5
97	MP3B	X	-1	5
98	MP3B	Z	1.733	5
99	MP3B	Mx	.001	5
100	MP3C	X	-1.58	5
101	MP3C	Z	2.737	5
102	MP3C	Mx	-.00079	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.404	1.5
2	MP1A	Z	2.543	1.5
3	MP1A	Mx	.003	1.5
4	MP1A	X	-4.404	4
5	MP1A	Z	2.543	4
6	MP1A	Mx	.003	4
7	MP1B	X	-4.59	1.5
8	MP1B	Z	2.65	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-4.59	4
11	MP1B	Z	2.65	4
12	MP1B	Mx	-.004	4
13	MP1C	X	-2.465	1.5
14	MP1C	Z	1.423	1.5
15	MP1C	Mx	.000186	1.5
16	MP1C	X	-2.465	4
17	MP1C	Z	1.423	4
18	MP1C	Mx	.000186	4
19	MP5A	X	-4.404	1.5
20	MP5A	Z	2.543	1.5
21	MP5A	Mx	.003	1.5
22	MP5A	X	-4.404	4
23	MP5A	Z	2.543	4
24	MP5A	Mx	.003	4
25	MP5B	X	-4.59	1.5
26	MP5B	Z	2.65	1.5
27	MP5B	Mx	-.004	1.5
28	MP5B	X	-4.59	4
29	MP5B	Z	2.65	4
30	MP5B	Mx	-.004	4
31	MP5C	X	-2.465	1.5
32	MP5C	Z	1.423	1.5
33	MP5C	Mx	.000186	1.5
34	MP5C	X	-2.465	4
35	MP5C	Z	1.423	4
36	MP5C	Mx	.000186	4
37	MP3A	X	-6.336	1.5
38	MP3A	Z	3.658	1.5
39	MP3A	Mx	.009	1.5
40	MP3A	X	-6.336	6
41	MP3A	Z	3.658	6
42	MP3A	Mx	.009	6
43	MP3B	X	-6.336	1.5
44	MP3B	Z	3.658	1.5
45	MP3B	Mx	-.004	1.5
46	MP3B	X	-6.336	6
47	MP3B	Z	3.658	6
48	MP3B	Mx	-.004	6
49	MP3C	X	-8.533	1.5
50	MP3C	Z	4.926	1.5
51	MP3C	Mx	-.007	1.5
52	MP3C	X	-8.533	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	4.926	6
54	MP3C	Mx	-.007	6
55	MP3A	X	-6.336	1.5
56	MP3A	Z	3.658	1.5
57	MP3A	Mx	.004	1.5
58	MP3A	X	-6.336	6
59	MP3A	Z	3.658	6
60	MP3A	Mx	.004	6
61	MP3B	X	-6.336	1.5
62	MP3B	Z	3.658	1.5
63	MP3B	Mx	-.009	1.5
64	MP3B	X	-6.336	6
65	MP3B	Z	3.658	6
66	MP3B	Mx	-.009	6
67	MP3C	X	-8.533	1.5
68	MP3C	Z	4.926	1.5
69	MP3C	Mx	.007	1.5
70	MP3C	X	-8.533	6
71	MP3C	Z	4.926	6
72	MP3C	Mx	.007	6
73	M128A	X	-3.452	1
74	M128A	Z	1.993	1
75	M128A	Mx	0	1
76	MP4A	X	-.533	3
77	MP4A	Z	.308	3
78	MP4A	Mx	-.000266	3
79	MP4B	X	-.533	3
80	MP4B	Z	.308	3
81	MP4B	Mx	.000267	3
82	MP4C	X	-.693	3
83	MP4C	Z	.4	3
84	MP4C	Mx	0	3
85	MP3A	X	-2.401	3
86	MP3A	Z	1.386	3
87	MP3A	Mx	-.001	3
88	MP3B	X	-2.401	3
89	MP3B	Z	1.386	3
90	MP3B	Mx	.001	3
91	MP3C	X	-3.072	3
92	MP3C	Z	1.774	3
93	MP3C	Mx	0	3
94	MP3A	X	-2.068	5
95	MP3A	Z	1.194	5
96	MP3A	Mx	-.001	5
97	MP3B	X	-2.068	5
98	MP3B	Z	1.194	5
99	MP3B	Mx	.001	5
100	MP3C	X	-3.072	5
101	MP3C	Z	1.774	5
102	MP3C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.839	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-5.839	4
5	MP1A	Z	0	4
6	MP1A	Mx	.004	4
7	MP1B	X	-3.815	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-3.815	4
11	MP1B	Z	0	4
12	MP1B	Mx	-.002	4
13	MP1C	X	-3.362	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	-3.362	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.001	4
19	MP5A	X	-5.839	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.004	1.5
22	MP5A	X	-5.839	4
23	MP5A	Z	0	4
24	MP5A	Mx	.004	4
25	MP5B	X	-3.815	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.002	1.5
28	MP5B	X	-3.815	4
29	MP5B	Z	0	4
30	MP5B	Mx	-.002	4
31	MP5C	X	-3.362	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.001	1.5
34	MP5C	X	-3.362	4
35	MP5C	Z	0	4
36	MP5C	Mx	-.001	4
37	MP3A	X	-6.471	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.007	1.5
40	MP3A	X	-6.471	6
41	MP3A	Z	0	6
42	MP3A	Mx	.007	6
43	MP3B	X	-9.008	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.000321	1.5
46	MP3B	X	-9.008	6
47	MP3B	Z	0	6
48	MP3B	Mx	.000321	6
49	MP3C	X	-9.008	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.01	1.5
52	MP3C	X	-9.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	6
54	MP3C	Mx	-.01	6
55	MP3A	X	-6.471	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.007	1.5
58	MP3A	X	-6.471	6
59	MP3A	Z	0	6
60	MP3A	Mx	.007	6
61	MP3B	X	-9.008	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	-.01	1.5
64	MP3B	X	-9.008	6
65	MP3B	Z	0	6
66	MP3B	Mx	-.01	6
67	MP3C	X	-9.008	1.5
68	MP3C	Z	0	1.5
69	MP3C	Mx	.000321	1.5
70	MP3C	X	-9.008	6
71	MP3C	Z	0	6
72	MP3C	Mx	.000321	6
73	M128A	X	-3.512	1
74	M128A	Z	0	1
75	M128A	Mx	0	1
76	MP4A	X	-.554	3
77	MP4A	Z	0	3
78	MP4A	Mx	-.000277	3
79	MP4B	X	-.739	3
80	MP4B	Z	0	3
81	MP4B	Mx	.000185	3
82	MP4C	X	-.739	3
83	MP4C	Z	0	3
84	MP4C	Mx	.000185	3
85	MP3A	X	-2.515	3
86	MP3A	Z	0	3
87	MP3A	Mx	-.001	3
88	MP3B	X	-3.289	3
89	MP3B	Z	0	3
90	MP3B	Mx	.000822	3
91	MP3C	X	-3.289	3
92	MP3C	Z	0	3
93	MP3C	Mx	.000822	3
94	MP3A	X	-2.001	5
95	MP3A	Z	0	5
96	MP3A	Mx	-.001	5
97	MP3B	X	-3.161	5
98	MP3B	Z	0	5
99	MP3B	Mx	.00079	5
100	MP3C	X	-3.161	5
101	MP3C	Z	0	5
102	MP3C	Mx	.00079	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.404	1.5
2	MP1A	Z	-2.543	1.5
3	MP1A	Mx	.003	1.5
4	MP1A	X	-4.404	4
5	MP1A	Z	-2.543	4
6	MP1A	Mx	.003	4
7	MP1B	X	-2.465	1.5
8	MP1B	Z	-1.423	1.5
9	MP1B	Mx	-.000186	1.5
10	MP1B	X	-2.465	4
11	MP1B	Z	-1.423	4
12	MP1B	Mx	-.000186	4
13	MP1C	X	-4.197	1.5
14	MP1C	Z	-2.423	1.5
15	MP1C	Mx	-.003	1.5
16	MP1C	X	-4.197	4
17	MP1C	Z	-2.423	4
18	MP1C	Mx	-.003	4
19	MP5A	X	-4.404	1.5
20	MP5A	Z	-2.543	1.5
21	MP5A	Mx	.003	1.5
22	MP5A	X	-4.404	4
23	MP5A	Z	-2.543	4
24	MP5A	Mx	.003	4
25	MP5B	X	-2.465	1.5
26	MP5B	Z	-1.423	1.5
27	MP5B	Mx	-.000186	1.5
28	MP5B	X	-2.465	4
29	MP5B	Z	-1.423	4
30	MP5B	Mx	-.000186	4
31	MP5C	X	-4.197	1.5
32	MP5C	Z	-2.423	1.5
33	MP5C	Mx	-.003	1.5
34	MP5C	X	-4.197	4
35	MP5C	Z	-2.423	4
36	MP5C	Mx	-.003	4
37	MP3A	X	-6.336	1.5
38	MP3A	Z	-3.658	1.5
39	MP3A	Mx	.004	1.5
40	MP3A	X	-6.336	6
41	MP3A	Z	-3.658	6
42	MP3A	Mx	.004	6
43	MP3B	X	-8.533	1.5
44	MP3B	Z	-4.926	1.5
45	MP3B	Mx	.007	1.5
46	MP3B	X	-8.533	6
47	MP3B	Z	-4.926	6
48	MP3B	Mx	.007	6
49	MP3C	X	-6.336	1.5
50	MP3C	Z	-3.658	1.5
51	MP3C	Mx	-.009	1.5
52	MP3C	X	-6.336	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-3.658	6
54	MP3C	Mx	-.009	6
55	MP3A	X	-6.336	1.5
56	MP3A	Z	-3.658	1.5
57	MP3A	Mx	.009	1.5
58	MP3A	X	-6.336	6
59	MP3A	Z	-3.658	6
60	MP3A	Mx	.009	6
61	MP3B	X	-8.533	1.5
62	MP3B	Z	-4.926	1.5
63	MP3B	Mx	-.007	1.5
64	MP3B	X	-8.533	6
65	MP3B	Z	-4.926	6
66	MP3B	Mx	-.007	6
67	MP3C	X	-6.336	1.5
68	MP3C	Z	-3.658	1.5
69	MP3C	Mx	-.004	1.5
70	MP3C	X	-6.336	6
71	MP3C	Z	-3.658	6
72	MP3C	Mx	-.004	6
73	M128A	X	-3.452	1
74	M128A	Z	-1.993	1
75	M128A	Mx	0	1
76	MP4A	X	-.533	3
77	MP4A	Z	-.308	3
78	MP4A	Mx	-.000266	3
79	MP4B	X	-.693	3
80	MP4B	Z	-.4	3
81	MP4B	Mx	0	3
82	MP4C	X	-.533	3
83	MP4C	Z	-.308	3
84	MP4C	Mx	.000267	3
85	MP3A	X	-2.401	3
86	MP3A	Z	-1.386	3
87	MP3A	Mx	-.001	3
88	MP3B	X	-3.072	3
89	MP3B	Z	-1.774	3
90	MP3B	Mx	0	3
91	MP3C	X	-2.401	3
92	MP3C	Z	-1.386	3
93	MP3C	Mx	.001	3
94	MP3A	X	-2.068	5
95	MP3A	Z	-1.194	5
96	MP3A	Mx	-.001	5
97	MP3B	X	-3.072	5
98	MP3B	Z	-1.774	5
99	MP3B	Mx	0	5
100	MP3C	X	-2.068	5
101	MP3C	Z	-1.194	5
102	MP3C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.788	1.5
2	MP1A	Z	-3.098	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-1.788	4
5	MP1A	Z	-3.098	4
6	MP1A	Mx	.001	4
7	MP1B	X	-1.681	1.5
8	MP1B	Z	-2.911	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	-1.681	4
11	MP1B	Z	-2.911	4
12	MP1B	Mx	.001	4
13	MP1C	X	-2.908	1.5
14	MP1C	Z	-5.037	1.5
15	MP1C	Mx	-.004	1.5
16	MP1C	X	-2.908	4
17	MP1C	Z	-5.037	4
18	MP1C	Mx	-.004	4
19	MP5A	X	-1.788	1.5
20	MP5A	Z	-3.098	1.5
21	MP5A	Mx	.001	1.5
22	MP5A	X	-1.788	4
23	MP5A	Z	-3.098	4
24	MP5A	Mx	.001	4
25	MP5B	X	-1.681	1.5
26	MP5B	Z	-2.911	1.5
27	MP5B	Mx	.001	1.5
28	MP5B	X	-1.681	4
29	MP5B	Z	-2.911	4
30	MP5B	Mx	.001	4
31	MP5C	X	-2.908	1.5
32	MP5C	Z	-5.037	1.5
33	MP5C	Mx	-.004	1.5
34	MP5C	X	-2.908	4
35	MP5C	Z	-5.037	4
36	MP5C	Mx	-.004	4
37	MP3A	X	-4.504	1.5
38	MP3A	Z	-7.801	1.5
39	MP3A	Mx	-.000321	1.5
40	MP3A	X	-4.504	6
41	MP3A	Z	-7.801	6
42	MP3A	Mx	-.000321	6
43	MP3B	X	-4.504	1.5
44	MP3B	Z	-7.801	1.5
45	MP3B	Mx	.01	1.5
46	MP3B	X	-4.504	6
47	MP3B	Z	-7.801	6
48	MP3B	Mx	.01	6
49	MP3C	X	-3.236	1.5
50	MP3C	Z	-5.604	1.5
51	MP3C	Mx	-.007	1.5
52	MP3C	X	-3.236	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-5.604	6
54	MP3C	Mx	-.007	6
55	MP3A	X	-4.504	1.5
56	MP3A	Z	-7.801	1.5
57	MP3A	Mx	.01	1.5
58	MP3A	X	-4.504	6
59	MP3A	Z	-7.801	6
60	MP3A	Mx	.01	6
61	MP3B	X	-4.504	1.5
62	MP3B	Z	-7.801	1.5
63	MP3B	Mx	-.000322	1.5
64	MP3B	X	-4.504	6
65	MP3B	Z	-7.801	6
66	MP3B	Mx	-.000322	6
67	MP3C	X	-3.236	1.5
68	MP3C	Z	-5.604	1.5
69	MP3C	Mx	-.007	1.5
70	MP3C	X	-3.236	6
71	MP3C	Z	-5.604	6
72	MP3C	Mx	-.007	6
73	M128A	X	-2.467	1
74	M128A	Z	-4.273	1
75	M128A	Mx	0	1
76	MP4A	X	-.369	3
77	MP4A	Z	-.64	3
78	MP4A	Mx	-.000184	3
79	MP4B	X	-.369	3
80	MP4B	Z	-.64	3
81	MP4B	Mx	-.000185	3
82	MP4C	X	-.277	3
83	MP4C	Z	-.48	3
84	MP4C	Mx	.000277	3
85	MP3A	X	-1.645	3
86	MP3A	Z	-2.849	3
87	MP3A	Mx	-.000823	3
88	MP3B	X	-1.645	3
89	MP3B	Z	-2.849	3
90	MP3B	Mx	-.000822	3
91	MP3C	X	-1.257	3
92	MP3C	Z	-2.178	3
93	MP3C	Mx	.001	3
94	MP3A	X	-1.58	5
95	MP3A	Z	-2.737	5
96	MP3A	Mx	-.00079	5
97	MP3B	X	-1.58	5
98	MP3B	Z	-2.737	5
99	MP3B	Mx	-.00079	5
100	MP3C	X	-1	5
101	MP3C	Z	-1.733	5
102	MP3C	Mx	.001	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%11

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.612	-6.612	0	%100
2	M2	Y	-5.016	-5.016	0	%100
3	MP5A	Y	-5.016	-5.016	0	%100
4	MP4A	Y	-5.016	-5.016	0	%100
5	MP3A	Y	-5.016	-5.016	0	%100
6	MP2A	Y	-5.016	-5.016	0	%100
7	MP1A	Y	-5.016	-5.016	0	%100
8	M18	Y	-6.612	-6.612	0	%100
9	M19	Y	-5.016	-5.016	0	%100
10	MP5C	Y	-5.016	-5.016	0	%100
11	MP4C	Y	-5.016	-5.016	0	%100
12	MP3C	Y	-5.016	-5.016	0	%100
13	MP2C	Y	-5.016	-5.016	0	%100
14	MP1C	Y	-5.016	-5.016	0	%100
15	M35	Y	-6.612	-6.612	0	%100
16	M36	Y	-5.016	-5.016	0	%100
17	MP5B	Y	-5.016	-5.016	0	%100
18	MP4B	Y	-5.016	-5.016	0	%100
19	MP3B	Y	-5.016	-5.016	0	%100
20	MP2B	Y	-5.016	-5.016	0	%100
21	MP1B	Y	-5.016	-5.016	0	%100
22	M52	Y	-6.663	-6.663	0	%100
23	M53	Y	-6.663	-6.663	0	%100
24	M54	Y	-6.663	-6.663	0	%100
25	M58	Y	-9.672	-9.672	0	%100
26	M59	Y	-9.672	-9.672	0	%100
27	M60	Y	-9.672	-9.672	0	%100
28	M63	Y	-10.175	-10.175	0	%100
29	M64	Y	-10.175	-10.175	0	%100
30	M81	Y	-10.175	-10.175	0	%100
31	M82	Y	-10.175	-10.175	0	%100
32	M85	Y	-10.175	-10.175	0	%100
33	M86	Y	-10.175	-10.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
34	M91	Y	-10.175	-10.175	0	%100
35	M92	Y	-10.175	-10.175	0	%100
36	M80A	Y	-9.672	-9.672	0	%100
37	M80B	Y	-9.672	-9.672	0	%100
38	M79A	Y	-10.175	-10.175	0	%100
39	M80C	Y	-10.175	-10.175	0	%100
40	M81B	Y	-9.672	-9.672	0	%100
41	M82B	Y	-9.672	-9.672	0	%100
42	M85A	Y	-10.175	-10.175	0	%100
43	M86A	Y	-10.175	-10.175	0	%100
44	M87	Y	-9.672	-9.672	0	%100
45	M88	Y	-9.672	-9.672	0	%100
46	M93	Y	-10.188	-10.188	0	%100
47	M91A	Y	-10.188	-10.188	0	%100
48	M93A	Y	-10.188	-10.188	0	%100
49	M95	Y	-10.188	-10.188	0	%100
50	M97	Y	-10.188	-10.188	0	%100
51	M99	Y	-10.188	-10.188	0	%100
52	M104	Y	-10.188	-10.188	0	%100
53	M105	Y	-10.188	-10.188	0	%100
54	M106	Y	-10.188	-10.188	0	%100
55	M111	Y	-5.66	-5.66	0	%100
56	M112	Y	-5.66	-5.66	0	%100
57	M119	Y	-5.66	-5.66	0	%100
58	M120	Y	-5.66	-5.66	0	%100
59	M127	Y	-5.66	-5.66	0	%100
60	M128	Y	-5.66	-5.66	0	%100
61	M128A	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-11.912	-11.912	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.083	-8.083	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-7.035	-7.035	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-7.035	-7.035	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-7.035	-7.035	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-7.035	-7.035	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-7.035	-7.035	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-2.978	-2.978	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-2.021	-2.021	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-7.035	-7.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-7.035	-7.035	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-7.035	-7.035	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-7.035	-7.035	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-7.035	-7.035	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-2.978	-2.978	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-2.021	-2.021	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	-7.035	-7.035	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-7.035	-7.035	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-7.035	-7.035	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-7.035	-7.035	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-7.035	-7.035	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-2.316	-2.316	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-2.316	-2.316	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-9.266	-9.266	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-9.075	-9.075	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-9.075	-9.075	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-20.799	-20.799	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	-20.799	-20.799	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-5.2	-5.2	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-5.2	-5.2	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-5.2	-5.2	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-5.2	-5.2	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	-10.232	-10.232	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
73	M80B	X	0	0	0	%100
74	M80B	Z	-10.232	-10.232	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-16.486	-16.486	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	-16.486	-16.486	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-2.558	-2.558	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-2.558	-2.558	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-16.486	-16.486	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-16.486	-16.486	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-2.558	-2.558	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-2.558	-2.558	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	-20.421	-20.421	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-20.421	-20.421	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-5.105	-5.105	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-5.105	-5.105	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-5.105	-5.105	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-5.105	-5.105	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-5.105	-5.105	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-5.105	-5.105	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-20.421	-20.421	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-2.678	-2.678	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-2.678	-2.678	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-11.246	-11.246	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-2.949	-2.949	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-2.949	-2.949	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-11.246	-11.246	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-7.035	-7.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.467	4.467	0	%100
2	M1	Z	-7.737	-7.737	0	%100
3	M2	X	3.031	3.031	0	%100
4	M2	Z	-5.25	-5.25	0	%100
5	MP5A	X	3.649	3.649	0	%100
6	MP5A	Z	-6.32	-6.32	0	%100
7	MP4A	X	3.649	3.649	0	%100
8	MP4A	Z	-6.32	-6.32	0	%100
9	MP3A	X	3.649	3.649	0	%100
10	MP3A	Z	-6.32	-6.32	0	%100
11	MP2A	X	3.649	3.649	0	%100
12	MP2A	Z	-6.32	-6.32	0	%100
13	MP1A	X	3.649	3.649	0	%100
14	MP1A	Z	-6.32	-6.32	0	%100
15	M18	X	4.467	4.467	0	%100
16	M18	Z	-7.737	-7.737	0	%100
17	M19	X	3.031	3.031	0	%100
18	M19	Z	-5.25	-5.25	0	%100
19	MP5C	X	3.649	3.649	0	%100
20	MP5C	Z	-6.32	-6.32	0	%100
21	MP4C	X	3.649	3.649	0	%100
22	MP4C	Z	-6.32	-6.32	0	%100
23	MP3C	X	3.649	3.649	0	%100
24	MP3C	Z	-6.32	-6.32	0	%100
25	MP2C	X	3.649	3.649	0	%100
26	MP2C	Z	-6.32	-6.32	0	%100
27	MP1C	X	3.649	3.649	0	%100
28	MP1C	Z	-6.32	-6.32	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	3.649	3.649	0	%100
34	MP5B	Z	-6.32	-6.32	0	%100
35	MP4B	X	3.649	3.649	0	%100
36	MP4B	Z	-6.32	-6.32	0	%100
37	MP3B	X	3.649	3.649	0	%100
38	MP3B	Z	-6.32	-6.32	0	%100
39	MP2B	X	3.649	3.649	0	%100
40	MP2B	Z	-6.32	-6.32	0	%100
41	MP1B	X	3.649	3.649	0	%100
42	MP1B	Z	-6.32	-6.32	0	%100
43	M52	X	3.475	3.475	0	%100
44	M52	Z	-6.018	-6.018	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	3.475	3.475	0	%100
48	M54	Z	-6.018	-6.018	0	%100
49	M58	X	1.512	1.512	0	%100
50	M58	Z	-2.62	-2.62	0	%100
51	M59	X	1.512	1.512	0	%100
52	M59	Z	-2.62	-2.62	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
53	M60	X	6.05	6.05	0	%100
54	M60	Z	-10.478	-10.478	0	%100
55	M63	X	7.8	7.8	0	%100
56	M63	Z	-13.51	-13.51	0	%100
57	M64	X	7.8	7.8	0	%100
58	M64	Z	-13.51	-13.51	0	%100
59	M81	X	7.8	7.8	0	%100
60	M81	Z	-13.51	-13.51	0	%100
61	M82	X	7.8	7.8	0	%100
62	M82	Z	-13.51	-13.51	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	2.748	2.748	0	%100
68	M91	Z	-4.759	-4.759	0	%100
69	M92	X	2.748	2.748	0	%100
70	M92	Z	-4.759	-4.759	0	%100
71	M80A	X	3.837	3.837	0	%100
72	M80A	Z	-6.646	-6.646	0	%100
73	M80B	X	3.837	3.837	0	%100
74	M80B	Z	-6.646	-6.646	0	%100
75	M79A	X	2.748	2.748	0	%100
76	M79A	Z	-4.759	-4.759	0	%100
77	M80C	X	2.748	2.748	0	%100
78	M80C	Z	-4.759	-4.759	0	%100
79	M81B	X	3.837	3.837	0	%100
80	M81B	Z	-6.646	-6.646	0	%100
81	M82B	X	3.837	3.837	0	%100
82	M82B	Z	-6.646	-6.646	0	%100
83	M85A	X	10.991	10.991	0	%100
84	M85A	Z	-19.037	-19.037	0	%100
85	M86A	X	10.991	10.991	0	%100
86	M86A	Z	-19.037	-19.037	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	7.658	7.658	0	%100
92	M93	Z	-13.264	-13.264	0	%100
93	M91A	X	7.658	7.658	0	%100
94	M91A	Z	-13.264	-13.264	0	%100
95	M93A	X	7.658	7.658	0	%100
96	M93A	Z	-13.264	-13.264	0	%100
97	M95	X	7.658	7.658	0	%100
98	M95	Z	-13.264	-13.264	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	7.658	7.658	0	%100
104	M104	Z	-13.264	-13.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	7.658	7.658	0	%100
108	M106	Z	-13.264	-13.264	0	%100
109	M111	X	.001	.001	0	%100
110	M111	Z	-.002	-.002	0	%100
111	M112	X	4.15	4.15	0	%100
112	M112	Z	-7.188	-7.188	0	%100
113	M119	X	4.15	4.15	0	%100
114	M119	Z	-7.188	-7.188	0	%100
115	M120	X	.001	.001	0	%100
116	M120	Z	-.002	-.002	0	%100
117	M127	X	4.285	4.285	0	%100
118	M127	Z	-7.422	-7.422	0	%100
119	M128	X	4.285	4.285	0	%100
120	M128	Z	-7.422	-7.422	0	%100
121	M128A	X	3.649	3.649	0	%100
122	M128A	Z	-6.32	-6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.579	2.579	0	%100
2	M1	Z	-1.489	-1.489	0	%100
3	M2	X	1.75	1.75	0	%100
4	M2	Z	-1.01	-1.01	0	%100
5	MP5A	X	6.773	6.773	0	%100
6	MP5A	Z	-3.911	-3.911	0	%100
7	MP4A	X	6.773	6.773	0	%100
8	MP4A	Z	-3.911	-3.911	0	%100
9	MP3A	X	6.773	6.773	0	%100
10	MP3A	Z	-3.911	-3.911	0	%100
11	MP2A	X	6.773	6.773	0	%100
12	MP2A	Z	-3.911	-3.911	0	%100
13	MP1A	X	6.773	6.773	0	%100
14	MP1A	Z	-3.911	-3.911	0	%100
15	M18	X	10.316	10.316	0	%100
16	M18	Z	-5.956	-5.956	0	%100
17	M19	X	7	7	0	%100
18	M19	Z	-4.042	-4.042	0	%100
19	MP5C	X	6.773	6.773	0	%100
20	MP5C	Z	-3.911	-3.911	0	%100
21	MP4C	X	6.773	6.773	0	%100
22	MP4C	Z	-3.911	-3.911	0	%100
23	MP3C	X	6.773	6.773	0	%100
24	MP3C	Z	-3.911	-3.911	0	%100
25	MP2C	X	6.773	6.773	0	%100
26	MP2C	Z	-3.911	-3.911	0	%100
27	MP1C	X	6.773	6.773	0	%100
28	MP1C	Z	-3.911	-3.911	0	%100
29	M35	X	2.579	2.579	0	%100
30	M35	Z	-1.489	-1.489	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
31	M36	X	1.75	1.75	0	%100
32	M36	Z	-1.01	-1.01	0	%100
33	MP5B	X	6.773	6.773	0	%100
34	MP5B	Z	-3.911	-3.911	0	%100
35	MP4B	X	6.773	6.773	0	%100
36	MP4B	Z	-3.911	-3.911	0	%100
37	MP3B	X	6.773	6.773	0	%100
38	MP3B	Z	-3.911	-3.911	0	%100
39	MP2B	X	6.773	6.773	0	%100
40	MP2B	Z	-3.911	-3.911	0	%100
41	MP1B	X	6.773	6.773	0	%100
42	MP1B	Z	-3.911	-3.911	0	%100
43	M52	X	8.024	8.024	0	%100
44	M52	Z	-4.633	-4.633	0	%100
45	M53	X	2.006	2.006	0	%100
46	M53	Z	-1.158	-1.158	0	%100
47	M54	X	2.006	2.006	0	%100
48	M54	Z	-1.158	-1.158	0	%100
49	M58	X	7.859	7.859	0	%100
50	M58	Z	-4.537	-4.537	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	7.859	7.859	0	%100
54	M60	Z	-4.537	-4.537	0	%100
55	M63	X	4.503	4.503	0	%100
56	M63	Z	-2.6	-2.6	0	%100
57	M64	X	4.503	4.503	0	%100
58	M64	Z	-2.6	-2.6	0	%100
59	M81	X	18.013	18.013	0	%100
60	M81	Z	-10.4	-10.4	0	%100
61	M82	X	18.013	18.013	0	%100
62	M82	Z	-10.4	-10.4	0	%100
63	M85	X	4.503	4.503	0	%100
64	M85	Z	-2.6	-2.6	0	%100
65	M86	X	4.503	4.503	0	%100
66	M86	Z	-2.6	-2.6	0	%100
67	M91	X	14.278	14.278	0	%100
68	M91	Z	-8.243	-8.243	0	%100
69	M92	X	14.278	14.278	0	%100
70	M92	Z	-8.243	-8.243	0	%100
71	M80A	X	2.215	2.215	0	%100
72	M80A	Z	-1.279	-1.279	0	%100
73	M80B	X	2.215	2.215	0	%100
74	M80B	Z	-1.279	-1.279	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	8.861	8.861	0	%100
80	M81B	Z	-5.116	-5.116	0	%100
81	M82B	X	8.861	8.861	0	%100
82	M82B	Z	-5.116	-5.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
83	M85A	X	14.278	14.278	0	%100
84	M85A	Z	-8.243	-8.243	0	%100
85	M86A	X	14.278	14.278	0	%100
86	M86A	Z	-8.243	-8.243	0	%100
87	M87	X	2.215	2.215	0	%100
88	M87	Z	-1.279	-1.279	0	%100
89	M88	X	2.215	2.215	0	%100
90	M88	Z	-1.279	-1.279	0	%100
91	M93	X	4.421	4.421	0	%100
92	M93	Z	-2.553	-2.553	0	%100
93	M91A	X	4.421	4.421	0	%100
94	M91A	Z	-2.553	-2.553	0	%100
95	M93A	X	17.685	17.685	0	%100
96	M93A	Z	-10.211	-10.211	0	%100
97	M95	X	17.685	17.685	0	%100
98	M95	Z	-10.211	-10.211	0	%100
99	M97	X	4.421	4.421	0	%100
100	M97	Z	-2.553	-2.553	0	%100
101	M99	X	4.421	4.421	0	%100
102	M99	Z	-2.553	-2.553	0	%100
103	M104	X	17.685	17.685	0	%100
104	M104	Z	-10.211	-10.211	0	%100
105	M105	X	4.421	4.421	0	%100
106	M105	Z	-2.553	-2.553	0	%100
107	M106	X	4.421	4.421	0	%100
108	M106	Z	-2.553	-2.553	0	%100
109	M111	X	2.554	2.554	0	%100
110	M111	Z	-1.474	-1.474	0	%100
111	M112	X	9.739	9.739	0	%100
112	M112	Z	-5.623	-5.623	0	%100
113	M119	X	2.319	2.319	0	%100
114	M119	Z	-1.339	-1.339	0	%100
115	M120	X	2.319	2.319	0	%100
116	M120	Z	-1.339	-1.339	0	%100
117	M127	X	9.739	9.739	0	%100
118	M127	Z	-5.623	-5.623	0	%100
119	M128	X	2.554	2.554	0	%100
120	M128	Z	-1.474	-1.474	0	%100
121	M128A	X	6.773	6.773	0	%100
122	M128A	Z	-3.911	-3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	8.083	8.083	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	8.083	8.083	0	%100
8	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
9	MP3A	X	8.083	8.083	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	8.083	8.083	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.083	8.083	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	8.934	8.934	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	6.063	6.063	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	8.083	8.083	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	8.083	8.083	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	8.083	8.083	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	8.083	8.083	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	8.083	8.083	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	8.934	8.934	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	6.063	6.063	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	8.083	8.083	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	8.083	8.083	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	8.083	8.083	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	8.083	8.083	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	8.083	8.083	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	6.949	6.949	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	6.949	6.949	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	12.099	12.099	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	3.025	3.025	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	3.025	3.025	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	15.6	15.6	0	%100
60	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
61	M82	X	15.6	15.6	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	15.6	15.6	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	15.6	15.6	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	21.982	21.982	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	21.982	21.982	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	5.495	5.495	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	5.495	5.495	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	7.674	7.674	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	7.674	7.674	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	5.495	5.495	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	5.495	5.495	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	7.674	7.674	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	7.674	7.674	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	15.316	15.316	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	15.316	15.316	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	15.316	15.316	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	15.316	15.316	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	15.316	15.316	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	15.316	15.316	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	8.571	8.571	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	8.571	8.571	0	%100
112	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	.002	.002	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	8.299	8.299	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	8.299	8.299	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.002	.002	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	8.083	8.083	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.579	2.579	0	%100
2	M1	Z	1.489	1.489	0	%100
3	M2	X	1.75	1.75	0	%100
4	M2	Z	1.01	1.01	0	%100
5	MP5A	X	6.773	6.773	0	%100
6	MP5A	Z	3.911	3.911	0	%100
7	MP4A	X	6.773	6.773	0	%100
8	MP4A	Z	3.911	3.911	0	%100
9	MP3A	X	6.773	6.773	0	%100
10	MP3A	Z	3.911	3.911	0	%100
11	MP2A	X	6.773	6.773	0	%100
12	MP2A	Z	3.911	3.911	0	%100
13	MP1A	X	6.773	6.773	0	%100
14	MP1A	Z	3.911	3.911	0	%100
15	M18	X	2.579	2.579	0	%100
16	M18	Z	1.489	1.489	0	%100
17	M19	X	1.75	1.75	0	%100
18	M19	Z	1.01	1.01	0	%100
19	MP5C	X	6.773	6.773	0	%100
20	MP5C	Z	3.911	3.911	0	%100
21	MP4C	X	6.773	6.773	0	%100
22	MP4C	Z	3.911	3.911	0	%100
23	MP3C	X	6.773	6.773	0	%100
24	MP3C	Z	3.911	3.911	0	%100
25	MP2C	X	6.773	6.773	0	%100
26	MP2C	Z	3.911	3.911	0	%100
27	MP1C	X	6.773	6.773	0	%100
28	MP1C	Z	3.911	3.911	0	%100
29	M35	X	10.316	10.316	0	%100
30	M35	Z	5.956	5.956	0	%100
31	M36	X	7	7	0	%100
32	M36	Z	4.042	4.042	0	%100
33	MP5B	X	6.773	6.773	0	%100
34	MP5B	Z	3.911	3.911	0	%100
35	MP4B	X	6.773	6.773	0	%100
36	MP4B	Z	3.911	3.911	0	%100
37	MP3B	X	6.773	6.773	0	%100
38	MP3B	Z	3.911	3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
39	MP2B	X	6.773	6.773	0	%100
40	MP2B	Z	3.911	3.911	0	%100
41	MP1B	X	6.773	6.773	0	%100
42	MP1B	Z	3.911	3.911	0	%100
43	M52	X	2.006	2.006	0	%100
44	M52	Z	1.158	1.158	0	%100
45	M53	X	8.024	8.024	0	%100
46	M53	Z	4.633	4.633	0	%100
47	M54	X	2.006	2.006	0	%100
48	M54	Z	1.158	1.158	0	%100
49	M58	X	7.859	7.859	0	%100
50	M58	Z	4.537	4.537	0	%100
51	M59	X	7.859	7.859	0	%100
52	M59	Z	4.537	4.537	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	4.503	4.503	0	%100
56	M63	Z	2.6	2.6	0	%100
57	M64	X	4.503	4.503	0	%100
58	M64	Z	2.6	2.6	0	%100
59	M81	X	4.503	4.503	0	%100
60	M81	Z	2.6	2.6	0	%100
61	M82	X	4.503	4.503	0	%100
62	M82	Z	2.6	2.6	0	%100
63	M85	X	18.013	18.013	0	%100
64	M85	Z	10.4	10.4	0	%100
65	M86	X	18.013	18.013	0	%100
66	M86	Z	10.4	10.4	0	%100
67	M91	X	14.278	14.278	0	%100
68	M91	Z	8.243	8.243	0	%100
69	M92	X	14.278	14.278	0	%100
70	M92	Z	8.243	8.243	0	%100
71	M80A	X	2.215	2.215	0	%100
72	M80A	Z	1.279	1.279	0	%100
73	M80B	X	2.215	2.215	0	%100
74	M80B	Z	1.279	1.279	0	%100
75	M79A	X	14.278	14.278	0	%100
76	M79A	Z	8.243	8.243	0	%100
77	M80C	X	14.278	14.278	0	%100
78	M80C	Z	8.243	8.243	0	%100
79	M81B	X	2.215	2.215	0	%100
80	M81B	Z	1.279	1.279	0	%100
81	M82B	X	2.215	2.215	0	%100
82	M82B	Z	1.279	1.279	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	8.861	8.861	0	%100
88	M87	Z	5.116	5.116	0	%100
89	M88	X	8.861	8.861	0	%100
90	M88	Z	5.116	5.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
91	M93	X	4.421	4.421	0	%100
92	M93	Z	2.553	2.553	0	%100
93	M91A	X	4.421	4.421	0	%100
94	M91A	Z	2.553	2.553	0	%100
95	M93A	X	4.421	4.421	0	%100
96	M93A	Z	2.553	2.553	0	%100
97	M95	X	4.421	4.421	0	%100
98	M95	Z	2.553	2.553	0	%100
99	M97	X	17.685	17.685	0	%100
100	M97	Z	10.211	10.211	0	%100
101	M99	X	17.685	17.685	0	%100
102	M99	Z	10.211	10.211	0	%100
103	M104	X	4.421	4.421	0	%100
104	M104	Z	2.553	2.553	0	%100
105	M105	X	17.685	17.685	0	%100
106	M105	Z	10.211	10.211	0	%100
107	M106	X	4.421	4.421	0	%100
108	M106	Z	2.553	2.553	0	%100
109	M111	X	9.739	9.739	0	%100
110	M111	Z	5.623	5.623	0	%100
111	M112	X	2.554	2.554	0	%100
112	M112	Z	1.474	1.474	0	%100
113	M119	X	2.554	2.554	0	%100
114	M119	Z	1.474	1.474	0	%100
115	M120	X	9.739	9.739	0	%100
116	M120	Z	5.623	5.623	0	%100
117	M127	X	2.319	2.319	0	%100
118	M127	Z	1.339	1.339	0	%100
119	M128	X	2.319	2.319	0	%100
120	M128	Z	1.339	1.339	0	%100
121	M128A	X	6.773	6.773	0	%100
122	M128A	Z	3.911	3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.467	4.467	0	%100
2	M1	Z	7.737	7.737	0	%100
3	M2	X	3.031	3.031	0	%100
4	M2	Z	5.25	5.25	0	%100
5	MP5A	X	3.649	3.649	0	%100
6	MP5A	Z	6.32	6.32	0	%100
7	MP4A	X	3.649	3.649	0	%100
8	MP4A	Z	6.32	6.32	0	%100
9	MP3A	X	3.649	3.649	0	%100
10	MP3A	Z	6.32	6.32	0	%100
11	MP2A	X	3.649	3.649	0	%100
12	MP2A	Z	6.32	6.32	0	%100
13	MP1A	X	3.649	3.649	0	%100
14	MP1A	Z	6.32	6.32	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	3.649	3.649	0	%100
20	MP5C	Z	6.32	6.32	0	%100
21	MP4C	X	3.649	3.649	0	%100
22	MP4C	Z	6.32	6.32	0	%100
23	MP3C	X	3.649	3.649	0	%100
24	MP3C	Z	6.32	6.32	0	%100
25	MP2C	X	3.649	3.649	0	%100
26	MP2C	Z	6.32	6.32	0	%100
27	MP1C	X	3.649	3.649	0	%100
28	MP1C	Z	6.32	6.32	0	%100
29	M35	X	4.467	4.467	0	%100
30	M35	Z	7.737	7.737	0	%100
31	M36	X	3.031	3.031	0	%100
32	M36	Z	5.25	5.25	0	%100
33	MP5B	X	3.649	3.649	0	%100
34	MP5B	Z	6.32	6.32	0	%100
35	MP4B	X	3.649	3.649	0	%100
36	MP4B	Z	6.32	6.32	0	%100
37	MP3B	X	3.649	3.649	0	%100
38	MP3B	Z	6.32	6.32	0	%100
39	MP2B	X	3.649	3.649	0	%100
40	MP2B	Z	6.32	6.32	0	%100
41	MP1B	X	3.649	3.649	0	%100
42	MP1B	Z	6.32	6.32	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	3.475	3.475	0	%100
46	M53	Z	6.018	6.018	0	%100
47	M54	X	3.475	3.475	0	%100
48	M54	Z	6.018	6.018	0	%100
49	M58	X	1.512	1.512	0	%100
50	M58	Z	2.62	2.62	0	%100
51	M59	X	6.05	6.05	0	%100
52	M59	Z	10.478	10.478	0	%100
53	M60	X	1.512	1.512	0	%100
54	M60	Z	2.62	2.62	0	%100
55	M63	X	7.8	7.8	0	%100
56	M63	Z	13.51	13.51	0	%100
57	M64	X	7.8	7.8	0	%100
58	M64	Z	13.51	13.51	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	7.8	7.8	0	%100
64	M85	Z	13.51	13.51	0	%100
65	M86	X	7.8	7.8	0	%100
66	M86	Z	13.51	13.51	0	%100
67	M91	X	2.748	2.748	0	%100
68	M91	Z	4.759	4.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
69	M92	X	2.748	2.748	0	%100
70	M92	Z	4.759	4.759	0	%100
71	M80A	X	3.837	3.837	0	%100
72	M80A	Z	6.646	6.646	0	%100
73	M80B	X	3.837	3.837	0	%100
74	M80B	Z	6.646	6.646	0	%100
75	M79A	X	10.991	10.991	0	%100
76	M79A	Z	19.037	19.037	0	%100
77	M80C	X	10.991	10.991	0	%100
78	M80C	Z	19.037	19.037	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	2.748	2.748	0	%100
84	M85A	Z	4.759	4.759	0	%100
85	M86A	X	2.748	2.748	0	%100
86	M86A	Z	4.759	4.759	0	%100
87	M87	X	3.837	3.837	0	%100
88	M87	Z	6.646	6.646	0	%100
89	M88	X	3.837	3.837	0	%100
90	M88	Z	6.646	6.646	0	%100
91	M93	X	7.658	7.658	0	%100
92	M93	Z	13.264	13.264	0	%100
93	M91A	X	7.658	7.658	0	%100
94	M91A	Z	13.264	13.264	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	7.658	7.658	0	%100
100	M97	Z	13.264	13.264	0	%100
101	M99	X	7.658	7.658	0	%100
102	M99	Z	13.264	13.264	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	7.658	7.658	0	%100
106	M105	Z	13.264	13.264	0	%100
107	M106	X	7.658	7.658	0	%100
108	M106	Z	13.264	13.264	0	%100
109	M111	X	4.15	4.15	0	%100
110	M111	Z	7.188	7.188	0	%100
111	M112	X	.001	.001	0	%100
112	M112	Z	.002	.002	0	%100
113	M119	X	4.285	4.285	0	%100
114	M119	Z	7.422	7.422	0	%100
115	M120	X	4.285	4.285	0	%100
116	M120	Z	7.422	7.422	0	%100
117	M127	X	.001	.001	0	%100
118	M127	Z	.002	.002	0	%100
119	M128	X	4.15	4.15	0	%100
120	M128	Z	7.188	7.188	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
121	M128A	X	3.649	3.649	0	%100
122	M128A	Z	6.32	6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	11.912	11.912	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.083	8.083	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	7.035	7.035	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	7.035	7.035	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	7.035	7.035	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	7.035	7.035	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	7.035	7.035	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	2.978	2.978	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	2.021	2.021	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	7.035	7.035	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	7.035	7.035	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	7.035	7.035	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	7.035	7.035	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	7.035	7.035	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	2.978	2.978	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	2.021	2.021	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	7.035	7.035	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	7.035	7.035	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	7.035	7.035	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	7.035	7.035	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	7.035	7.035	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	2.316	2.316	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	2.316	2.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
47	M54	X	0	0	0	%100
48	M54	Z	9.266	9.266	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	9.075	9.075	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	9.075	9.075	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	20.799	20.799	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	20.799	20.799	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	5.2	5.2	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	5.2	5.2	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	5.2	5.2	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	5.2	5.2	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	10.232	10.232	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	10.232	10.232	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	16.486	16.486	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	16.486	16.486	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	2.558	2.558	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	2.558	2.558	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	16.486	16.486	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	16.486	16.486	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	2.558	2.558	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	2.558	2.558	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	20.421	20.421	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	20.421	20.421	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	5.105	5.105	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	5.105	5.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
99	M97	X	0	0	0	%100
100	M97	Z	5.105	5.105	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	5.105	5.105	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	5.105	5.105	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	5.105	5.105	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	20.421	20.421	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	2.678	2.678	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	2.678	2.678	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	11.246	11.246	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	2.949	2.949	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	2.949	2.949	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	11.246	11.246	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	7.035	7.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.467	-4.467	0	%100
2	M1	Z	7.737	7.737	0	%100
3	M2	X	-3.031	-3.031	0	%100
4	M2	Z	5.25	5.25	0	%100
5	MP5A	X	-3.649	-3.649	0	%100
6	MP5A	Z	6.32	6.32	0	%100
7	MP4A	X	-3.649	-3.649	0	%100
8	MP4A	Z	6.32	6.32	0	%100
9	MP3A	X	-3.649	-3.649	0	%100
10	MP3A	Z	6.32	6.32	0	%100
11	MP2A	X	-3.649	-3.649	0	%100
12	MP2A	Z	6.32	6.32	0	%100
13	MP1A	X	-3.649	-3.649	0	%100
14	MP1A	Z	6.32	6.32	0	%100
15	M18	X	-4.467	-4.467	0	%100
16	M18	Z	7.737	7.737	0	%100
17	M19	X	-3.031	-3.031	0	%100
18	M19	Z	5.25	5.25	0	%100
19	MP5C	X	-3.649	-3.649	0	%100
20	MP5C	Z	6.32	6.32	0	%100
21	MP4C	X	-3.649	-3.649	0	%100
22	MP4C	Z	6.32	6.32	0	%100
23	MP3C	X	-3.649	-3.649	0	%100
24	MP3C	Z	6.32	6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
25	MP2C	X	-3.649	-3.649	0	%100
26	MP2C	Z	6.32	6.32	0	%100
27	MP1C	X	-3.649	-3.649	0	%100
28	MP1C	Z	6.32	6.32	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-3.649	-3.649	0	%100
34	MP5B	Z	6.32	6.32	0	%100
35	MP4B	X	-3.649	-3.649	0	%100
36	MP4B	Z	6.32	6.32	0	%100
37	MP3B	X	-3.649	-3.649	0	%100
38	MP3B	Z	6.32	6.32	0	%100
39	MP2B	X	-3.649	-3.649	0	%100
40	MP2B	Z	6.32	6.32	0	%100
41	MP1B	X	-3.649	-3.649	0	%100
42	MP1B	Z	6.32	6.32	0	%100
43	M52	X	-3.475	-3.475	0	%100
44	M52	Z	6.018	6.018	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-3.475	-3.475	0	%100
48	M54	Z	6.018	6.018	0	%100
49	M58	X	-1.512	-1.512	0	%100
50	M58	Z	2.62	2.62	0	%100
51	M59	X	-1.512	-1.512	0	%100
52	M59	Z	2.62	2.62	0	%100
53	M60	X	-6.05	-6.05	0	%100
54	M60	Z	10.478	10.478	0	%100
55	M63	X	-7.8	-7.8	0	%100
56	M63	Z	13.51	13.51	0	%100
57	M64	X	-7.8	-7.8	0	%100
58	M64	Z	13.51	13.51	0	%100
59	M81	X	-7.8	-7.8	0	%100
60	M81	Z	13.51	13.51	0	%100
61	M82	X	-7.8	-7.8	0	%100
62	M82	Z	13.51	13.51	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-2.748	-2.748	0	%100
68	M91	Z	4.759	4.759	0	%100
69	M92	X	-2.748	-2.748	0	%100
70	M92	Z	4.759	4.759	0	%100
71	M80A	X	-3.837	-3.837	0	%100
72	M80A	Z	6.646	6.646	0	%100
73	M80B	X	-3.837	-3.837	0	%100
74	M80B	Z	6.646	6.646	0	%100
75	M79A	X	-2.748	-2.748	0	%100
76	M79A	Z	4.759	4.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
77	M80C	X	-2.748	-2.748	0	%100
78	M80C	Z	4.759	4.759	0	%100
79	M81B	X	-3.837	-3.837	0	%100
80	M81B	Z	6.646	6.646	0	%100
81	M82B	X	-3.837	-3.837	0	%100
82	M82B	Z	6.646	6.646	0	%100
83	M85A	X	-10.991	-10.991	0	%100
84	M85A	Z	19.037	19.037	0	%100
85	M86A	X	-10.991	-10.991	0	%100
86	M86A	Z	19.037	19.037	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-7.658	-7.658	0	%100
92	M93	Z	13.264	13.264	0	%100
93	M91A	X	-7.658	-7.658	0	%100
94	M91A	Z	13.264	13.264	0	%100
95	M93A	X	-7.658	-7.658	0	%100
96	M93A	Z	13.264	13.264	0	%100
97	M95	X	-7.658	-7.658	0	%100
98	M95	Z	13.264	13.264	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-7.658	-7.658	0	%100
104	M104	Z	13.264	13.264	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-7.658	-7.658	0	%100
108	M106	Z	13.264	13.264	0	%100
109	M111	X	-.001	-.001	0	%100
110	M111	Z	.002	.002	0	%100
111	M112	X	-4.15	-4.15	0	%100
112	M112	Z	7.188	7.188	0	%100
113	M119	X	-4.15	-4.15	0	%100
114	M119	Z	7.188	7.188	0	%100
115	M120	X	-.001	-.001	0	%100
116	M120	Z	.002	.002	0	%100
117	M127	X	-4.285	-4.285	0	%100
118	M127	Z	7.422	7.422	0	%100
119	M128	X	-4.285	-4.285	0	%100
120	M128	Z	7.422	7.422	0	%100
121	M128A	X	-3.649	-3.649	0	%100
122	M128A	Z	6.32	6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.579	-2.579	0	%100
2	M1	Z	1.489	1.489	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
3	M2	X	-1.75	-1.75	0	%100
4	M2	Z	1.01	1.01	0	%100
5	MP5A	X	-6.773	-6.773	0	%100
6	MP5A	Z	3.911	3.911	0	%100
7	MP4A	X	-6.773	-6.773	0	%100
8	MP4A	Z	3.911	3.911	0	%100
9	MP3A	X	-6.773	-6.773	0	%100
10	MP3A	Z	3.911	3.911	0	%100
11	MP2A	X	-6.773	-6.773	0	%100
12	MP2A	Z	3.911	3.911	0	%100
13	MP1A	X	-6.773	-6.773	0	%100
14	MP1A	Z	3.911	3.911	0	%100
15	M18	X	-10.316	-10.316	0	%100
16	M18	Z	5.956	5.956	0	%100
17	M19	X	-7	-7	0	%100
18	M19	Z	4.042	4.042	0	%100
19	MP5C	X	-6.773	-6.773	0	%100
20	MP5C	Z	3.911	3.911	0	%100
21	MP4C	X	-6.773	-6.773	0	%100
22	MP4C	Z	3.911	3.911	0	%100
23	MP3C	X	-6.773	-6.773	0	%100
24	MP3C	Z	3.911	3.911	0	%100
25	MP2C	X	-6.773	-6.773	0	%100
26	MP2C	Z	3.911	3.911	0	%100
27	MP1C	X	-6.773	-6.773	0	%100
28	MP1C	Z	3.911	3.911	0	%100
29	M35	X	-2.579	-2.579	0	%100
30	M35	Z	1.489	1.489	0	%100
31	M36	X	-1.75	-1.75	0	%100
32	M36	Z	1.01	1.01	0	%100
33	MP5B	X	-6.773	-6.773	0	%100
34	MP5B	Z	3.911	3.911	0	%100
35	MP4B	X	-6.773	-6.773	0	%100
36	MP4B	Z	3.911	3.911	0	%100
37	MP3B	X	-6.773	-6.773	0	%100
38	MP3B	Z	3.911	3.911	0	%100
39	MP2B	X	-6.773	-6.773	0	%100
40	MP2B	Z	3.911	3.911	0	%100
41	MP1B	X	-6.773	-6.773	0	%100
42	MP1B	Z	3.911	3.911	0	%100
43	M52	X	-8.024	-8.024	0	%100
44	M52	Z	4.633	4.633	0	%100
45	M53	X	-2.006	-2.006	0	%100
46	M53	Z	1.158	1.158	0	%100
47	M54	X	-2.006	-2.006	0	%100
48	M54	Z	1.158	1.158	0	%100
49	M58	X	-7.859	-7.859	0	%100
50	M58	Z	4.537	4.537	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-7.859	-7.859	0	%100
54	M60	Z	4.537	4.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
55	M63	X	-4.503	-4.503	0	%100
56	M63	Z	2.6	2.6	0	%100
57	M64	X	-4.503	-4.503	0	%100
58	M64	Z	2.6	2.6	0	%100
59	M81	X	-18.013	-18.013	0	%100
60	M81	Z	10.4	10.4	0	%100
61	M82	X	-18.013	-18.013	0	%100
62	M82	Z	10.4	10.4	0	%100
63	M85	X	-4.503	-4.503	0	%100
64	M85	Z	2.6	2.6	0	%100
65	M86	X	-4.503	-4.503	0	%100
66	M86	Z	2.6	2.6	0	%100
67	M91	X	-14.278	-14.278	0	%100
68	M91	Z	8.243	8.243	0	%100
69	M92	X	-14.278	-14.278	0	%100
70	M92	Z	8.243	8.243	0	%100
71	M80A	X	-2.215	-2.215	0	%100
72	M80A	Z	1.279	1.279	0	%100
73	M80B	X	-2.215	-2.215	0	%100
74	M80B	Z	1.279	1.279	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-8.861	-8.861	0	%100
80	M81B	Z	5.116	5.116	0	%100
81	M82B	X	-8.861	-8.861	0	%100
82	M82B	Z	5.116	5.116	0	%100
83	M85A	X	-14.278	-14.278	0	%100
84	M85A	Z	8.243	8.243	0	%100
85	M86A	X	-14.278	-14.278	0	%100
86	M86A	Z	8.243	8.243	0	%100
87	M87	X	-2.215	-2.215	0	%100
88	M87	Z	1.279	1.279	0	%100
89	M88	X	-2.215	-2.215	0	%100
90	M88	Z	1.279	1.279	0	%100
91	M93	X	-4.421	-4.421	0	%100
92	M93	Z	2.553	2.553	0	%100
93	M91A	X	-4.421	-4.421	0	%100
94	M91A	Z	2.553	2.553	0	%100
95	M93A	X	-17.685	-17.685	0	%100
96	M93A	Z	10.211	10.211	0	%100
97	M95	X	-17.685	-17.685	0	%100
98	M95	Z	10.211	10.211	0	%100
99	M97	X	-4.421	-4.421	0	%100
100	M97	Z	2.553	2.553	0	%100
101	M99	X	-4.421	-4.421	0	%100
102	M99	Z	2.553	2.553	0	%100
103	M104	X	-17.685	-17.685	0	%100
104	M104	Z	10.211	10.211	0	%100
105	M105	X	-4.421	-4.421	0	%100
106	M105	Z	2.553	2.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
107	M106	X	-4.421	-4.421	0	%100
108	M106	Z	2.553	2.553	0	%100
109	M111	X	-2.554	-2.554	0	%100
110	M111	Z	1.474	1.474	0	%100
111	M112	X	-9.739	-9.739	0	%100
112	M112	Z	5.623	5.623	0	%100
113	M119	X	-2.319	-2.319	0	%100
114	M119	Z	1.339	1.339	0	%100
115	M120	X	-2.319	-2.319	0	%100
116	M120	Z	1.339	1.339	0	%100
117	M127	X	-9.739	-9.739	0	%100
118	M127	Z	5.623	5.623	0	%100
119	M128	X	-2.554	-2.554	0	%100
120	M128	Z	1.474	1.474	0	%100
121	M128A	X	-6.773	-6.773	0	%100
122	M128A	Z	3.911	3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-8.083	-8.083	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-8.083	-8.083	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-8.083	-8.083	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-8.083	-8.083	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.083	-8.083	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-8.934	-8.934	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-6.063	-6.063	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-8.083	-8.083	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-8.083	-8.083	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-8.083	-8.083	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-8.083	-8.083	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-8.083	-8.083	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-8.934	-8.934	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-6.063	-6.063	0	%100
32	M36	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
33	MP5B	X	-8.083	-8.083	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-8.083	-8.083	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-8.083	-8.083	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-8.083	-8.083	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-8.083	-8.083	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-6.949	-6.949	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-6.949	-6.949	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-12.099	-12.099	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-3.025	-3.025	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-3.025	-3.025	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-15.6	-15.6	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-15.6	-15.6	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-15.6	-15.6	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-15.6	-15.6	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-21.982	-21.982	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-21.982	-21.982	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-5.495	-5.495	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-5.495	-5.495	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-7.674	-7.674	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-7.674	-7.674	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-5.495	-5.495	0	%100
84	M85A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
85	M86A	X	-5.495	-5.495	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-7.674	-7.674	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-7.674	-7.674	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-15.316	-15.316	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-15.316	-15.316	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-15.316	-15.316	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-15.316	-15.316	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-15.316	-15.316	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-15.316	-15.316	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-8.571	-8.571	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-8.571	-8.571	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.002	-.002	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-8.299	-8.299	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-8.299	-8.299	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.002	-.002	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-8.083	-8.083	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.579	-2.579	0	%100
2	M1	Z	-1.489	-1.489	0	%100
3	M2	X	-1.75	-1.75	0	%100
4	M2	Z	-1.01	-1.01	0	%100
5	MP5A	X	-6.773	-6.773	0	%100
6	MP5A	Z	-3.911	-3.911	0	%100
7	MP4A	X	-6.773	-6.773	0	%100
8	MP4A	Z	-3.911	-3.911	0	%100
9	MP3A	X	-6.773	-6.773	0	%100
10	MP3A	Z	-3.911	-3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-6.773	-6.773	0	%100
12	MP2A	Z	-3.911	-3.911	0	%100
13	MP1A	X	-6.773	-6.773	0	%100
14	MP1A	Z	-3.911	-3.911	0	%100
15	M18	X	-2.579	-2.579	0	%100
16	M18	Z	-1.489	-1.489	0	%100
17	M19	X	-1.75	-1.75	0	%100
18	M19	Z	-1.01	-1.01	0	%100
19	MP5C	X	-6.773	-6.773	0	%100
20	MP5C	Z	-3.911	-3.911	0	%100
21	MP4C	X	-6.773	-6.773	0	%100
22	MP4C	Z	-3.911	-3.911	0	%100
23	MP3C	X	-6.773	-6.773	0	%100
24	MP3C	Z	-3.911	-3.911	0	%100
25	MP2C	X	-6.773	-6.773	0	%100
26	MP2C	Z	-3.911	-3.911	0	%100
27	MP1C	X	-6.773	-6.773	0	%100
28	MP1C	Z	-3.911	-3.911	0	%100
29	M35	X	-10.316	-10.316	0	%100
30	M35	Z	-5.956	-5.956	0	%100
31	M36	X	-7	-7	0	%100
32	M36	Z	-4.042	-4.042	0	%100
33	MP5B	X	-6.773	-6.773	0	%100
34	MP5B	Z	-3.911	-3.911	0	%100
35	MP4B	X	-6.773	-6.773	0	%100
36	MP4B	Z	-3.911	-3.911	0	%100
37	MP3B	X	-6.773	-6.773	0	%100
38	MP3B	Z	-3.911	-3.911	0	%100
39	MP2B	X	-6.773	-6.773	0	%100
40	MP2B	Z	-3.911	-3.911	0	%100
41	MP1B	X	-6.773	-6.773	0	%100
42	MP1B	Z	-3.911	-3.911	0	%100
43	M52	X	-2.006	-2.006	0	%100
44	M52	Z	-1.158	-1.158	0	%100
45	M53	X	-8.024	-8.024	0	%100
46	M53	Z	-4.633	-4.633	0	%100
47	M54	X	-2.006	-2.006	0	%100
48	M54	Z	-1.158	-1.158	0	%100
49	M58	X	-7.859	-7.859	0	%100
50	M58	Z	-4.537	-4.537	0	%100
51	M59	X	-7.859	-7.859	0	%100
52	M59	Z	-4.537	-4.537	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-4.503	-4.503	0	%100
56	M63	Z	-2.6	-2.6	0	%100
57	M64	X	-4.503	-4.503	0	%100
58	M64	Z	-2.6	-2.6	0	%100
59	M81	X	-4.503	-4.503	0	%100
60	M81	Z	-2.6	-2.6	0	%100
61	M82	X	-4.503	-4.503	0	%100
62	M82	Z	-2.6	-2.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
63	M85	X	-18.013	-18.013	0	%100
64	M85	Z	-10.4	-10.4	0	%100
65	M86	X	-18.013	-18.013	0	%100
66	M86	Z	-10.4	-10.4	0	%100
67	M91	X	-14.278	-14.278	0	%100
68	M91	Z	-8.243	-8.243	0	%100
69	M92	X	-14.278	-14.278	0	%100
70	M92	Z	-8.243	-8.243	0	%100
71	M80A	X	-2.215	-2.215	0	%100
72	M80A	Z	-1.279	-1.279	0	%100
73	M80B	X	-2.215	-2.215	0	%100
74	M80B	Z	-1.279	-1.279	0	%100
75	M79A	X	-14.278	-14.278	0	%100
76	M79A	Z	-8.243	-8.243	0	%100
77	M80C	X	-14.278	-14.278	0	%100
78	M80C	Z	-8.243	-8.243	0	%100
79	M81B	X	-2.215	-2.215	0	%100
80	M81B	Z	-1.279	-1.279	0	%100
81	M82B	X	-2.215	-2.215	0	%100
82	M82B	Z	-1.279	-1.279	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-8.861	-8.861	0	%100
88	M87	Z	-5.116	-5.116	0	%100
89	M88	X	-8.861	-8.861	0	%100
90	M88	Z	-5.116	-5.116	0	%100
91	M93	X	-4.421	-4.421	0	%100
92	M93	Z	-2.553	-2.553	0	%100
93	M91A	X	-4.421	-4.421	0	%100
94	M91A	Z	-2.553	-2.553	0	%100
95	M93A	X	-4.421	-4.421	0	%100
96	M93A	Z	-2.553	-2.553	0	%100
97	M95	X	-4.421	-4.421	0	%100
98	M95	Z	-2.553	-2.553	0	%100
99	M97	X	-17.685	-17.685	0	%100
100	M97	Z	-10.211	-10.211	0	%100
101	M99	X	-17.685	-17.685	0	%100
102	M99	Z	-10.211	-10.211	0	%100
103	M104	X	-4.421	-4.421	0	%100
104	M104	Z	-2.553	-2.553	0	%100
105	M105	X	-17.685	-17.685	0	%100
106	M105	Z	-10.211	-10.211	0	%100
107	M106	X	-4.421	-4.421	0	%100
108	M106	Z	-2.553	-2.553	0	%100
109	M111	X	-9.739	-9.739	0	%100
110	M111	Z	-5.623	-5.623	0	%100
111	M112	X	-2.554	-2.554	0	%100
112	M112	Z	-1.474	-1.474	0	%100
113	M119	X	-2.554	-2.554	0	%100
114	M119	Z	-1.474	-1.474	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
115	M120	X	-9.739	-9.739	0	%100
116	M120	Z	-5.623	-5.623	0	%100
117	M127	X	-2.319	-2.319	0	%100
118	M127	Z	-1.339	-1.339	0	%100
119	M128	X	-2.319	-2.319	0	%100
120	M128	Z	-1.339	-1.339	0	%100
121	M128A	X	-6.773	-6.773	0	%100
122	M128A	Z	-3.911	-3.911	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.467	-4.467	0	%100
2	M1	Z	-7.737	-7.737	0	%100
3	M2	X	-3.031	-3.031	0	%100
4	M2	Z	-5.25	-5.25	0	%100
5	MP5A	X	-3.649	-3.649	0	%100
6	MP5A	Z	-6.32	-6.32	0	%100
7	MP4A	X	-3.649	-3.649	0	%100
8	MP4A	Z	-6.32	-6.32	0	%100
9	MP3A	X	-3.649	-3.649	0	%100
10	MP3A	Z	-6.32	-6.32	0	%100
11	MP2A	X	-3.649	-3.649	0	%100
12	MP2A	Z	-6.32	-6.32	0	%100
13	MP1A	X	-3.649	-3.649	0	%100
14	MP1A	Z	-6.32	-6.32	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-3.649	-3.649	0	%100
20	MP5C	Z	-6.32	-6.32	0	%100
21	MP4C	X	-3.649	-3.649	0	%100
22	MP4C	Z	-6.32	-6.32	0	%100
23	MP3C	X	-3.649	-3.649	0	%100
24	MP3C	Z	-6.32	-6.32	0	%100
25	MP2C	X	-3.649	-3.649	0	%100
26	MP2C	Z	-6.32	-6.32	0	%100
27	MP1C	X	-3.649	-3.649	0	%100
28	MP1C	Z	-6.32	-6.32	0	%100
29	M35	X	-4.467	-4.467	0	%100
30	M35	Z	-7.737	-7.737	0	%100
31	M36	X	-3.031	-3.031	0	%100
32	M36	Z	-5.25	-5.25	0	%100
33	MP5B	X	-3.649	-3.649	0	%100
34	MP5B	Z	-6.32	-6.32	0	%100
35	MP4B	X	-3.649	-3.649	0	%100
36	MP4B	Z	-6.32	-6.32	0	%100
37	MP3B	X	-3.649	-3.649	0	%100
38	MP3B	Z	-6.32	-6.32	0	%100
39	MP2B	X	-3.649	-3.649	0	%100
40	MP2B	Z	-6.32	-6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
41	MP1B	X	-3.649	-3.649	0	%100
42	MP1B	Z	-6.32	-6.32	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-3.475	-3.475	0	%100
46	M53	Z	-6.018	-6.018	0	%100
47	M54	X	-3.475	-3.475	0	%100
48	M54	Z	-6.018	-6.018	0	%100
49	M58	X	-1.512	-1.512	0	%100
50	M58	Z	-2.62	-2.62	0	%100
51	M59	X	-6.05	-6.05	0	%100
52	M59	Z	-10.478	-10.478	0	%100
53	M60	X	-1.512	-1.512	0	%100
54	M60	Z	-2.62	-2.62	0	%100
55	M63	X	-7.8	-7.8	0	%100
56	M63	Z	-13.51	-13.51	0	%100
57	M64	X	-7.8	-7.8	0	%100
58	M64	Z	-13.51	-13.51	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-7.8	-7.8	0	%100
64	M85	Z	-13.51	-13.51	0	%100
65	M86	X	-7.8	-7.8	0	%100
66	M86	Z	-13.51	-13.51	0	%100
67	M91	X	-2.748	-2.748	0	%100
68	M91	Z	-4.759	-4.759	0	%100
69	M92	X	-2.748	-2.748	0	%100
70	M92	Z	-4.759	-4.759	0	%100
71	M80A	X	-3.837	-3.837	0	%100
72	M80A	Z	-6.646	-6.646	0	%100
73	M80B	X	-3.837	-3.837	0	%100
74	M80B	Z	-6.646	-6.646	0	%100
75	M79A	X	-10.991	-10.991	0	%100
76	M79A	Z	-19.037	-19.037	0	%100
77	M80C	X	-10.991	-10.991	0	%100
78	M80C	Z	-19.037	-19.037	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-2.748	-2.748	0	%100
84	M85A	Z	-4.759	-4.759	0	%100
85	M86A	X	-2.748	-2.748	0	%100
86	M86A	Z	-4.759	-4.759	0	%100
87	M87	X	-3.837	-3.837	0	%100
88	M87	Z	-6.646	-6.646	0	%100
89	M88	X	-3.837	-3.837	0	%100
90	M88	Z	-6.646	-6.646	0	%100
91	M93	X	-7.658	-7.658	0	%100
92	M93	Z	-13.264	-13.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
93	M91A	X	-7.658	-7.658	0	%100
94	M91A	Z	-13.264	-13.264	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-7.658	-7.658	0	%100
100	M97	Z	-13.264	-13.264	0	%100
101	M99	X	-7.658	-7.658	0	%100
102	M99	Z	-13.264	-13.264	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-7.658	-7.658	0	%100
106	M105	Z	-13.264	-13.264	0	%100
107	M106	X	-7.658	-7.658	0	%100
108	M106	Z	-13.264	-13.264	0	%100
109	M111	X	-4.15	-4.15	0	%100
110	M111	Z	-7.188	-7.188	0	%100
111	M112	X	-.001	-.001	0	%100
112	M112	Z	-.002	-.002	0	%100
113	M119	X	-4.285	-4.285	0	%100
114	M119	Z	-7.422	-7.422	0	%100
115	M120	X	-4.285	-4.285	0	%100
116	M120	Z	-7.422	-7.422	0	%100
117	M127	X	-.001	-.001	0	%100
118	M127	Z	-.002	-.002	0	%100
119	M128	X	-4.15	-4.15	0	%100
120	M128	Z	-7.188	-7.188	0	%100
121	M128A	X	-3.649	-3.649	0	%100
122	M128A	Z	-6.32	-6.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.498	-3.498	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.822	-2.822	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-2.637	-2.637	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-2.637	-2.637	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-2.637	-2.637	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.637	-2.637	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.637	-2.637	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.875	-.875	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.706	-.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-2.637	-2.637	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-2.637	-2.637	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-2.637	-2.637	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-2.637	-2.637	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-2.637	-2.637	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-.875	-.875	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-.706	-.706	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	-2.637	-2.637	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-2.637	-2.637	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-2.637	-2.637	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-2.637	-2.637	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-2.637	-2.637	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-.63	-.63	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-.63	-.63	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-2.521	-2.521	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-2.649	-2.649	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-2.649	-2.649	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-4.486	-4.486	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	-4.486	-4.486	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-1.121	-1.121	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-1.121	-1.121	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-1.121	-1.121	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-1.121	-1.121	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
71	M80A	X	0	0	0	%100
72	M80A	Z	-2.872	-2.872	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	-2.872	-2.872	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-3.521	-3.521	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	-3.521	-3.521	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-.718	-.718	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-.718	-.718	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-3.521	-3.521	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-3.521	-3.521	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-.718	-.718	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-.718	-.718	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	-4.419	-4.419	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-4.419	-4.419	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-1.105	-1.105	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-1.105	-1.105	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-1.105	-1.105	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-1.105	-1.105	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-1.12	-1.12	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-1.12	-1.12	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-4.48	-4.48	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.781	-.781	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.781	-.781	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-3.279	-3.279	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-.86	-.86	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.86	-.86	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-3.279	-3.279	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-2.637	-2.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.312	1.312	0	%100
2	M1	Z	-2.272	-2.272	0	%100
3	M2	X	1.058	1.058	0	%100
4	M2	Z	-1.833	-1.833	0	%100
5	MP5A	X	1.342	1.342	0	%100
6	MP5A	Z	-2.324	-2.324	0	%100
7	MP4A	X	1.342	1.342	0	%100
8	MP4A	Z	-2.324	-2.324	0	%100
9	MP3A	X	1.342	1.342	0	%100
10	MP3A	Z	-2.324	-2.324	0	%100
11	MP2A	X	1.342	1.342	0	%100
12	MP2A	Z	-2.324	-2.324	0	%100
13	MP1A	X	1.342	1.342	0	%100
14	MP1A	Z	-2.324	-2.324	0	%100
15	M18	X	1.312	1.312	0	%100
16	M18	Z	-2.272	-2.272	0	%100
17	M19	X	1.058	1.058	0	%100
18	M19	Z	-1.833	-1.833	0	%100
19	MP5C	X	1.342	1.342	0	%100
20	MP5C	Z	-2.324	-2.324	0	%100
21	MP4C	X	1.342	1.342	0	%100
22	MP4C	Z	-2.324	-2.324	0	%100
23	MP3C	X	1.342	1.342	0	%100
24	MP3C	Z	-2.324	-2.324	0	%100
25	MP2C	X	1.342	1.342	0	%100
26	MP2C	Z	-2.324	-2.324	0	%100
27	MP1C	X	1.342	1.342	0	%100
28	MP1C	Z	-2.324	-2.324	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	1.342	1.342	0	%100
34	MP5B	Z	-2.324	-2.324	0	%100
35	MP4B	X	1.342	1.342	0	%100
36	MP4B	Z	-2.324	-2.324	0	%100
37	MP3B	X	1.342	1.342	0	%100
38	MP3B	Z	-2.324	-2.324	0	%100
39	MP2B	X	1.342	1.342	0	%100
40	MP2B	Z	-2.324	-2.324	0	%100
41	MP1B	X	1.342	1.342	0	%100
42	MP1B	Z	-2.324	-2.324	0	%100
43	M52	X	.946	.946	0	%100
44	M52	Z	-1.638	-1.638	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	.946	.946	0	%100
48	M54	Z	-1.638	-1.638	0	%100
49	M58	X	.441	.441	0	%100
50	M58	Z	-.765	-.765	0	%100
51	M59	X	.441	.441	0	%100
52	M59	Z	-.765	-.765	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
53	M60	X	1.766	1.766	0	%100
54	M60	Z	-3.058	-3.058	0	%100
55	M63	X	1.682	1.682	0	%100
56	M63	Z	-2.914	-2.914	0	%100
57	M64	X	1.682	1.682	0	%100
58	M64	Z	-2.914	-2.914	0	%100
59	M81	X	1.682	1.682	0	%100
60	M81	Z	-2.914	-2.914	0	%100
61	M82	X	1.682	1.682	0	%100
62	M82	Z	-2.914	-2.914	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	.587	.587	0	%100
68	M91	Z	-1.016	-1.016	0	%100
69	M92	X	.587	.587	0	%100
70	M92	Z	-1.016	-1.016	0	%100
71	M80A	X	1.077	1.077	0	%100
72	M80A	Z	-1.865	-1.865	0	%100
73	M80B	X	1.077	1.077	0	%100
74	M80B	Z	-1.865	-1.865	0	%100
75	M79A	X	.587	.587	0	%100
76	M79A	Z	-1.016	-1.016	0	%100
77	M80C	X	.587	.587	0	%100
78	M80C	Z	-1.016	-1.016	0	%100
79	M81B	X	1.077	1.077	0	%100
80	M81B	Z	-1.865	-1.865	0	%100
81	M82B	X	1.077	1.077	0	%100
82	M82B	Z	-1.865	-1.865	0	%100
83	M85A	X	2.347	2.347	0	%100
84	M85A	Z	-4.066	-4.066	0	%100
85	M86A	X	2.347	2.347	0	%100
86	M86A	Z	-4.066	-4.066	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	1.657	1.657	0	%100
92	M93	Z	-2.87	-2.87	0	%100
93	M91A	X	1.657	1.657	0	%100
94	M91A	Z	-2.87	-2.87	0	%100
95	M93A	X	1.657	1.657	0	%100
96	M93A	Z	-2.87	-2.87	0	%100
97	M95	X	1.657	1.657	0	%100
98	M95	Z	-2.87	-2.87	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	1.68	1.68	0	%100
104	M104	Z	-2.91	-2.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	1.68	1.68	0	%100
108	M106	Z	-2.91	-2.91	0	%100
109	M111	X	.000318	.000318	0	%100
110	M111	Z	-.000551	-.000551	0	%100
111	M112	X	1.21	1.21	0	%100
112	M112	Z	-2.096	-2.096	0	%100
113	M119	X	1.21	1.21	0	%100
114	M119	Z	-2.096	-2.096	0	%100
115	M120	X	.000318	.000318	0	%100
116	M120	Z	-.000551	-.000551	0	%100
117	M127	X	1.25	1.25	0	%100
118	M127	Z	-2.164	-2.164	0	%100
119	M128	X	1.25	1.25	0	%100
120	M128	Z	-2.164	-2.164	0	%100
121	M128A	X	1.342	1.342	0	%100
122	M128A	Z	-2.324	-2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.757	.757	0	%100
2	M1	Z	-.437	-.437	0	%100
3	M2	X	.611	.611	0	%100
4	M2	Z	-.353	-.353	0	%100
5	MP5A	X	2.404	2.404	0	%100
6	MP5A	Z	-1.388	-1.388	0	%100
7	MP4A	X	2.404	2.404	0	%100
8	MP4A	Z	-1.388	-1.388	0	%100
9	MP3A	X	2.404	2.404	0	%100
10	MP3A	Z	-1.388	-1.388	0	%100
11	MP2A	X	2.404	2.404	0	%100
12	MP2A	Z	-1.388	-1.388	0	%100
13	MP1A	X	2.404	2.404	0	%100
14	MP1A	Z	-1.388	-1.388	0	%100
15	M18	X	3.03	3.03	0	%100
16	M18	Z	-1.749	-1.749	0	%100
17	M19	X	2.444	2.444	0	%100
18	M19	Z	-1.411	-1.411	0	%100
19	MP5C	X	2.404	2.404	0	%100
20	MP5C	Z	-1.388	-1.388	0	%100
21	MP4C	X	2.404	2.404	0	%100
22	MP4C	Z	-1.388	-1.388	0	%100
23	MP3C	X	2.404	2.404	0	%100
24	MP3C	Z	-1.388	-1.388	0	%100
25	MP2C	X	2.404	2.404	0	%100
26	MP2C	Z	-1.388	-1.388	0	%100
27	MP1C	X	2.404	2.404	0	%100
28	MP1C	Z	-1.388	-1.388	0	%100
29	M35	X	.757	.757	0	%100
30	M35	Z	-.437	-.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
31	M36	X	.611	.611	0	%100
32	M36	Z	-.353	-.353	0	%100
33	MP5B	X	2.404	2.404	0	%100
34	MP5B	Z	-1.388	-1.388	0	%100
35	MP4B	X	2.404	2.404	0	%100
36	MP4B	Z	-1.388	-1.388	0	%100
37	MP3B	X	2.404	2.404	0	%100
38	MP3B	Z	-1.388	-1.388	0	%100
39	MP2B	X	2.404	2.404	0	%100
40	MP2B	Z	-1.388	-1.388	0	%100
41	MP1B	X	2.404	2.404	0	%100
42	MP1B	Z	-1.388	-1.388	0	%100
43	M52	X	2.184	2.184	0	%100
44	M52	Z	-1.261	-1.261	0	%100
45	M53	X	.546	.546	0	%100
46	M53	Z	-.315	-.315	0	%100
47	M54	X	.546	.546	0	%100
48	M54	Z	-.315	-.315	0	%100
49	M58	X	2.294	2.294	0	%100
50	M58	Z	-1.324	-1.324	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	2.294	2.294	0	%100
54	M60	Z	-1.324	-1.324	0	%100
55	M63	X	.971	.971	0	%100
56	M63	Z	-.561	-.561	0	%100
57	M64	X	.971	.971	0	%100
58	M64	Z	-.561	-.561	0	%100
59	M81	X	3.885	3.885	0	%100
60	M81	Z	-2.243	-2.243	0	%100
61	M82	X	3.885	3.885	0	%100
62	M82	Z	-2.243	-2.243	0	%100
63	M85	X	.971	.971	0	%100
64	M85	Z	-.561	-.561	0	%100
65	M86	X	.971	.971	0	%100
66	M86	Z	-.561	-.561	0	%100
67	M91	X	3.049	3.049	0	%100
68	M91	Z	-1.761	-1.761	0	%100
69	M92	X	3.049	3.049	0	%100
70	M92	Z	-1.761	-1.761	0	%100
71	M80A	X	.622	.622	0	%100
72	M80A	Z	-.359	-.359	0	%100
73	M80B	X	.622	.622	0	%100
74	M80B	Z	-.359	-.359	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	2.487	2.487	0	%100
80	M81B	Z	-1.436	-1.436	0	%100
81	M82B	X	2.487	2.487	0	%100
82	M82B	Z	-1.436	-1.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
83	M85A	X	3.049	3.049	0	%100
84	M85A	Z	-1.761	-1.761	0	%100
85	M86A	X	3.049	3.049	0	%100
86	M86A	Z	-1.761	-1.761	0	%100
87	M87	X	.622	.622	0	%100
88	M87	Z	-.359	-.359	0	%100
89	M88	X	.622	.622	0	%100
90	M88	Z	-.359	-.359	0	%100
91	M93	X	.957	.957	0	%100
92	M93	Z	-.552	-.552	0	%100
93	M91A	X	.957	.957	0	%100
94	M91A	Z	-.552	-.552	0	%100
95	M93A	X	3.827	3.827	0	%100
96	M93A	Z	-2.21	-2.21	0	%100
97	M95	X	3.827	3.827	0	%100
98	M95	Z	-2.21	-2.21	0	%100
99	M97	X	.957	.957	0	%100
100	M97	Z	-.552	-.552	0	%100
101	M99	X	.957	.957	0	%100
102	M99	Z	-.552	-.552	0	%100
103	M104	X	3.88	3.88	0	%100
104	M104	Z	-2.24	-2.24	0	%100
105	M105	X	.97	.97	0	%100
106	M105	Z	-.56	-.56	0	%100
107	M106	X	.97	.97	0	%100
108	M106	Z	-.56	-.56	0	%100
109	M111	X	.745	.745	0	%100
110	M111	Z	-.43	-.43	0	%100
111	M112	X	2.84	2.84	0	%100
112	M112	Z	-1.64	-1.64	0	%100
113	M119	X	.676	.676	0	%100
114	M119	Z	-.39	-.39	0	%100
115	M120	X	.676	.676	0	%100
116	M120	Z	-.39	-.39	0	%100
117	M127	X	2.84	2.84	0	%100
118	M127	Z	-1.64	-1.64	0	%100
119	M128	X	.745	.745	0	%100
120	M128	Z	-.43	-.43	0	%100
121	M128A	X	2.404	2.404	0	%100
122	M128A	Z	-1.388	-1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	2.822	2.822	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	2.822	2.822	0	%100
8	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
9	MP3A	X	2.822	2.822	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	2.822	2.822	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.822	2.822	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	2.624	2.624	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.117	2.117	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	2.822	2.822	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	2.822	2.822	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	2.822	2.822	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	2.822	2.822	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	2.822	2.822	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	2.624	2.624	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	2.117	2.117	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	2.822	2.822	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	2.822	2.822	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	2.822	2.822	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	2.822	2.822	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	2.822	2.822	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	1.891	1.891	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	1.891	1.891	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	3.531	3.531	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	.883	.883	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.883	.883	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	3.364	3.364	0	%100
60	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
61	M82	X	3.364	3.364	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	3.364	3.364	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	3.364	3.364	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	4.695	4.695	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	4.695	4.695	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	1.174	1.174	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	1.174	1.174	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	2.154	2.154	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	2.154	2.154	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	1.174	1.174	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	1.174	1.174	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	2.154	2.154	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	2.154	2.154	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	3.314	3.314	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	3.314	3.314	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	3.314	3.314	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	3.314	3.314	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	3.36	3.36	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	3.36	3.36	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	2.499	2.499	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	2.499	2.499	0	%100
112	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	.000636	.000636	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	2.42	2.42	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	2.42	2.42	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.000636	.000636	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	2.822	2.822	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.757	.757	0	%100
2	M1	Z	.437	.437	0	%100
3	M2	X	.611	.611	0	%100
4	M2	Z	.353	.353	0	%100
5	MP5A	X	2.404	2.404	0	%100
6	MP5A	Z	1.388	1.388	0	%100
7	MP4A	X	2.404	2.404	0	%100
8	MP4A	Z	1.388	1.388	0	%100
9	MP3A	X	2.404	2.404	0	%100
10	MP3A	Z	1.388	1.388	0	%100
11	MP2A	X	2.404	2.404	0	%100
12	MP2A	Z	1.388	1.388	0	%100
13	MP1A	X	2.404	2.404	0	%100
14	MP1A	Z	1.388	1.388	0	%100
15	M18	X	.757	.757	0	%100
16	M18	Z	.437	.437	0	%100
17	M19	X	.611	.611	0	%100
18	M19	Z	.353	.353	0	%100
19	MP5C	X	2.404	2.404	0	%100
20	MP5C	Z	1.388	1.388	0	%100
21	MP4C	X	2.404	2.404	0	%100
22	MP4C	Z	1.388	1.388	0	%100
23	MP3C	X	2.404	2.404	0	%100
24	MP3C	Z	1.388	1.388	0	%100
25	MP2C	X	2.404	2.404	0	%100
26	MP2C	Z	1.388	1.388	0	%100
27	MP1C	X	2.404	2.404	0	%100
28	MP1C	Z	1.388	1.388	0	%100
29	M35	X	3.03	3.03	0	%100
30	M35	Z	1.749	1.749	0	%100
31	M36	X	2.444	2.444	0	%100
32	M36	Z	1.411	1.411	0	%100
33	MP5B	X	2.404	2.404	0	%100
34	MP5B	Z	1.388	1.388	0	%100
35	MP4B	X	2.404	2.404	0	%100
36	MP4B	Z	1.388	1.388	0	%100
37	MP3B	X	2.404	2.404	0	%100
38	MP3B	Z	1.388	1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
39	MP2B	X	2.404	2.404	0	%100
40	MP2B	Z	1.388	1.388	0	%100
41	MP1B	X	2.404	2.404	0	%100
42	MP1B	Z	1.388	1.388	0	%100
43	M52	X	.546	.546	0	%100
44	M52	Z	.315	.315	0	%100
45	M53	X	2.184	2.184	0	%100
46	M53	Z	1.261	1.261	0	%100
47	M54	X	.546	.546	0	%100
48	M54	Z	.315	.315	0	%100
49	M58	X	2.294	2.294	0	%100
50	M58	Z	1.324	1.324	0	%100
51	M59	X	2.294	2.294	0	%100
52	M59	Z	1.324	1.324	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	.971	.971	0	%100
56	M63	Z	.561	.561	0	%100
57	M64	X	.971	.971	0	%100
58	M64	Z	.561	.561	0	%100
59	M81	X	.971	.971	0	%100
60	M81	Z	.561	.561	0	%100
61	M82	X	.971	.971	0	%100
62	M82	Z	.561	.561	0	%100
63	M85	X	3.885	3.885	0	%100
64	M85	Z	2.243	2.243	0	%100
65	M86	X	3.885	3.885	0	%100
66	M86	Z	2.243	2.243	0	%100
67	M91	X	3.049	3.049	0	%100
68	M91	Z	1.761	1.761	0	%100
69	M92	X	3.049	3.049	0	%100
70	M92	Z	1.761	1.761	0	%100
71	M80A	X	.622	.622	0	%100
72	M80A	Z	.359	.359	0	%100
73	M80B	X	.622	.622	0	%100
74	M80B	Z	.359	.359	0	%100
75	M79A	X	3.049	3.049	0	%100
76	M79A	Z	1.761	1.761	0	%100
77	M80C	X	3.049	3.049	0	%100
78	M80C	Z	1.761	1.761	0	%100
79	M81B	X	.622	.622	0	%100
80	M81B	Z	.359	.359	0	%100
81	M82B	X	.622	.622	0	%100
82	M82B	Z	.359	.359	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	2.487	2.487	0	%100
88	M87	Z	1.436	1.436	0	%100
89	M88	X	2.487	2.487	0	%100
90	M88	Z	1.436	1.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
91	M93	X	.957	.957	0	%100
92	M93	Z	.552	.552	0	%100
93	M91A	X	.957	.957	0	%100
94	M91A	Z	.552	.552	0	%100
95	M93A	X	.957	.957	0	%100
96	M93A	Z	.552	.552	0	%100
97	M95	X	.957	.957	0	%100
98	M95	Z	.552	.552	0	%100
99	M97	X	3.827	3.827	0	%100
100	M97	Z	2.21	2.21	0	%100
101	M99	X	3.827	3.827	0	%100
102	M99	Z	2.21	2.21	0	%100
103	M104	X	.97	.97	0	%100
104	M104	Z	.56	.56	0	%100
105	M105	X	3.88	3.88	0	%100
106	M105	Z	2.24	2.24	0	%100
107	M106	X	.97	.97	0	%100
108	M106	Z	.56	.56	0	%100
109	M111	X	2.84	2.84	0	%100
110	M111	Z	1.64	1.64	0	%100
111	M112	X	.745	.745	0	%100
112	M112	Z	.43	.43	0	%100
113	M119	X	.745	.745	0	%100
114	M119	Z	.43	.43	0	%100
115	M120	X	2.84	2.84	0	%100
116	M120	Z	1.64	1.64	0	%100
117	M127	X	.676	.676	0	%100
118	M127	Z	.39	.39	0	%100
119	M128	X	.676	.676	0	%100
120	M128	Z	.39	.39	0	%100
121	M128A	X	2.404	2.404	0	%100
122	M128A	Z	1.388	1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.312	1.312	0	%100
2	M1	Z	2.272	2.272	0	%100
3	M2	X	1.058	1.058	0	%100
4	M2	Z	1.833	1.833	0	%100
5	MP5A	X	1.342	1.342	0	%100
6	MP5A	Z	2.324	2.324	0	%100
7	MP4A	X	1.342	1.342	0	%100
8	MP4A	Z	2.324	2.324	0	%100
9	MP3A	X	1.342	1.342	0	%100
10	MP3A	Z	2.324	2.324	0	%100
11	MP2A	X	1.342	1.342	0	%100
12	MP2A	Z	2.324	2.324	0	%100
13	MP1A	X	1.342	1.342	0	%100
14	MP1A	Z	2.324	2.324	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	1.342	1.342	0	%100
20	MP5C	Z	2.324	2.324	0	%100
21	MP4C	X	1.342	1.342	0	%100
22	MP4C	Z	2.324	2.324	0	%100
23	MP3C	X	1.342	1.342	0	%100
24	MP3C	Z	2.324	2.324	0	%100
25	MP2C	X	1.342	1.342	0	%100
26	MP2C	Z	2.324	2.324	0	%100
27	MP1C	X	1.342	1.342	0	%100
28	MP1C	Z	2.324	2.324	0	%100
29	M35	X	1.312	1.312	0	%100
30	M35	Z	2.272	2.272	0	%100
31	M36	X	1.058	1.058	0	%100
32	M36	Z	1.833	1.833	0	%100
33	MP5B	X	1.342	1.342	0	%100
34	MP5B	Z	2.324	2.324	0	%100
35	MP4B	X	1.342	1.342	0	%100
36	MP4B	Z	2.324	2.324	0	%100
37	MP3B	X	1.342	1.342	0	%100
38	MP3B	Z	2.324	2.324	0	%100
39	MP2B	X	1.342	1.342	0	%100
40	MP2B	Z	2.324	2.324	0	%100
41	MP1B	X	1.342	1.342	0	%100
42	MP1B	Z	2.324	2.324	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.946	.946	0	%100
46	M53	Z	1.638	1.638	0	%100
47	M54	X	.946	.946	0	%100
48	M54	Z	1.638	1.638	0	%100
49	M58	X	.441	.441	0	%100
50	M58	Z	.765	.765	0	%100
51	M59	X	1.766	1.766	0	%100
52	M59	Z	3.058	3.058	0	%100
53	M60	X	.441	.441	0	%100
54	M60	Z	.765	.765	0	%100
55	M63	X	1.682	1.682	0	%100
56	M63	Z	2.914	2.914	0	%100
57	M64	X	1.682	1.682	0	%100
58	M64	Z	2.914	2.914	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	1.682	1.682	0	%100
64	M85	Z	2.914	2.914	0	%100
65	M86	X	1.682	1.682	0	%100
66	M86	Z	2.914	2.914	0	%100
67	M91	X	.587	.587	0	%100
68	M91	Z	1.016	1.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
69	M92	X	.587	.587	0	%100
70	M92	Z	1.016	1.016	0	%100
71	M80A	X	1.077	1.077	0	%100
72	M80A	Z	1.865	1.865	0	%100
73	M80B	X	1.077	1.077	0	%100
74	M80B	Z	1.865	1.865	0	%100
75	M79A	X	2.347	2.347	0	%100
76	M79A	Z	4.066	4.066	0	%100
77	M80C	X	2.347	2.347	0	%100
78	M80C	Z	4.066	4.066	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.587	.587	0	%100
84	M85A	Z	1.016	1.016	0	%100
85	M86A	X	.587	.587	0	%100
86	M86A	Z	1.016	1.016	0	%100
87	M87	X	1.077	1.077	0	%100
88	M87	Z	1.865	1.865	0	%100
89	M88	X	1.077	1.077	0	%100
90	M88	Z	1.865	1.865	0	%100
91	M93	X	1.657	1.657	0	%100
92	M93	Z	2.87	2.87	0	%100
93	M91A	X	1.657	1.657	0	%100
94	M91A	Z	2.87	2.87	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	1.657	1.657	0	%100
100	M97	Z	2.87	2.87	0	%100
101	M99	X	1.657	1.657	0	%100
102	M99	Z	2.87	2.87	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	1.68	1.68	0	%100
106	M105	Z	2.91	2.91	0	%100
107	M106	X	1.68	1.68	0	%100
108	M106	Z	2.91	2.91	0	%100
109	M111	X	1.21	1.21	0	%100
110	M111	Z	2.096	2.096	0	%100
111	M112	X	.000318	.000318	0	%100
112	M112	Z	.000551	.000551	0	%100
113	M119	X	1.25	1.25	0	%100
114	M119	Z	2.164	2.164	0	%100
115	M120	X	1.25	1.25	0	%100
116	M120	Z	2.164	2.164	0	%100
117	M127	X	.000318	.000318	0	%100
118	M127	Z	.000551	.000551	0	%100
119	M128	X	1.21	1.21	0	%100
120	M128	Z	2.096	2.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
121	M128A	X	1.342	1.342	0	%100
122	M128A	Z	2.324	2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.498	3.498	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.822	2.822	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	2.637	2.637	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	2.637	2.637	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	2.637	2.637	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.637	2.637	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.637	2.637	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.875	.875	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.706	.706	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	2.637	2.637	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	2.637	2.637	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	2.637	2.637	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	2.637	2.637	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	2.637	2.637	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	.875	.875	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	.706	.706	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	2.637	2.637	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	2.637	2.637	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	2.637	2.637	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	2.637	2.637	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	2.637	2.637	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	.63	.63	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	.63	.63	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
47	M54	X	0	0	0	%100
48	M54	Z	2.521	2.521	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	2.649	2.649	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	2.649	2.649	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	4.486	4.486	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	4.486	4.486	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	1.121	1.121	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	1.121	1.121	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	1.121	1.121	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	1.121	1.121	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	2.872	2.872	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	2.872	2.872	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	3.521	3.521	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	3.521	3.521	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	.718	.718	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	.718	.718	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	3.521	3.521	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	3.521	3.521	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	.718	.718	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	.718	.718	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	4.419	4.419	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	4.419	4.419	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	1.105	1.105	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	1.105	1.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
99	M97	X	0	0	0	%100
100	M97	Z	1.105	1.105	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	1.105	1.105	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	1.12	1.12	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	1.12	1.12	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	4.48	4.48	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.781	.781	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.781	.781	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	3.279	3.279	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.86	.86	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.86	.86	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	3.279	3.279	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	2.637	2.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.312	-1.312	0	%100
2	M1	Z	2.272	2.272	0	%100
3	M2	X	-1.058	-1.058	0	%100
4	M2	Z	1.833	1.833	0	%100
5	MP5A	X	-1.342	-1.342	0	%100
6	MP5A	Z	2.324	2.324	0	%100
7	MP4A	X	-1.342	-1.342	0	%100
8	MP4A	Z	2.324	2.324	0	%100
9	MP3A	X	-1.342	-1.342	0	%100
10	MP3A	Z	2.324	2.324	0	%100
11	MP2A	X	-1.342	-1.342	0	%100
12	MP2A	Z	2.324	2.324	0	%100
13	MP1A	X	-1.342	-1.342	0	%100
14	MP1A	Z	2.324	2.324	0	%100
15	M18	X	-1.312	-1.312	0	%100
16	M18	Z	2.272	2.272	0	%100
17	M19	X	-1.058	-1.058	0	%100
18	M19	Z	1.833	1.833	0	%100
19	MP5C	X	-1.342	-1.342	0	%100
20	MP5C	Z	2.324	2.324	0	%100
21	MP4C	X	-1.342	-1.342	0	%100
22	MP4C	Z	2.324	2.324	0	%100
23	MP3C	X	-1.342	-1.342	0	%100
24	MP3C	Z	2.324	2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
25	MP2C	X	-1.342	-1.342	0	%100
26	MP2C	Z	2.324	2.324	0	%100
27	MP1C	X	-1.342	-1.342	0	%100
28	MP1C	Z	2.324	2.324	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-1.342	-1.342	0	%100
34	MP5B	Z	2.324	2.324	0	%100
35	MP4B	X	-1.342	-1.342	0	%100
36	MP4B	Z	2.324	2.324	0	%100
37	MP3B	X	-1.342	-1.342	0	%100
38	MP3B	Z	2.324	2.324	0	%100
39	MP2B	X	-1.342	-1.342	0	%100
40	MP2B	Z	2.324	2.324	0	%100
41	MP1B	X	-1.342	-1.342	0	%100
42	MP1B	Z	2.324	2.324	0	%100
43	M52	X	-.946	-.946	0	%100
44	M52	Z	1.638	1.638	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-.946	-.946	0	%100
48	M54	Z	1.638	1.638	0	%100
49	M58	X	-.441	-.441	0	%100
50	M58	Z	.765	.765	0	%100
51	M59	X	-.441	-.441	0	%100
52	M59	Z	.765	.765	0	%100
53	M60	X	-1.766	-1.766	0	%100
54	M60	Z	3.058	3.058	0	%100
55	M63	X	-1.682	-1.682	0	%100
56	M63	Z	2.914	2.914	0	%100
57	M64	X	-1.682	-1.682	0	%100
58	M64	Z	2.914	2.914	0	%100
59	M81	X	-1.682	-1.682	0	%100
60	M81	Z	2.914	2.914	0	%100
61	M82	X	-1.682	-1.682	0	%100
62	M82	Z	2.914	2.914	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-.587	-.587	0	%100
68	M91	Z	1.016	1.016	0	%100
69	M92	X	-.587	-.587	0	%100
70	M92	Z	1.016	1.016	0	%100
71	M80A	X	-1.077	-1.077	0	%100
72	M80A	Z	1.865	1.865	0	%100
73	M80B	X	-1.077	-1.077	0	%100
74	M80B	Z	1.865	1.865	0	%100
75	M79A	X	-.587	-.587	0	%100
76	M79A	Z	1.016	1.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
77	M80C	X	-.587	-.587	0	%100
78	M80C	Z	1.016	1.016	0	%100
79	M81B	X	-1.077	-1.077	0	%100
80	M81B	Z	1.865	1.865	0	%100
81	M82B	X	-1.077	-1.077	0	%100
82	M82B	Z	1.865	1.865	0	%100
83	M85A	X	-2.347	-2.347	0	%100
84	M85A	Z	4.066	4.066	0	%100
85	M86A	X	-2.347	-2.347	0	%100
86	M86A	Z	4.066	4.066	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-1.657	-1.657	0	%100
92	M93	Z	2.87	2.87	0	%100
93	M91A	X	-1.657	-1.657	0	%100
94	M91A	Z	2.87	2.87	0	%100
95	M93A	X	-1.657	-1.657	0	%100
96	M93A	Z	2.87	2.87	0	%100
97	M95	X	-1.657	-1.657	0	%100
98	M95	Z	2.87	2.87	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-1.68	-1.68	0	%100
104	M104	Z	2.91	2.91	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-1.68	-1.68	0	%100
108	M106	Z	2.91	2.91	0	%100
109	M111	X	-.000318	-.000318	0	%100
110	M111	Z	.000551	.000551	0	%100
111	M112	X	-1.21	-1.21	0	%100
112	M112	Z	2.096	2.096	0	%100
113	M119	X	-1.21	-1.21	0	%100
114	M119	Z	2.096	2.096	0	%100
115	M120	X	-.000318	-.000318	0	%100
116	M120	Z	.000551	.000551	0	%100
117	M127	X	-1.25	-1.25	0	%100
118	M127	Z	2.164	2.164	0	%100
119	M128	X	-1.25	-1.25	0	%100
120	M128	Z	2.164	2.164	0	%100
121	M128A	X	-1.342	-1.342	0	%100
122	M128A	Z	2.324	2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.757	-.757	0	%100
2	M1	Z	.437	.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
3	M2	X	-.611	-.611	0	%100
4	M2	Z	.353	.353	0	%100
5	MP5A	X	-2.404	-2.404	0	%100
6	MP5A	Z	1.388	1.388	0	%100
7	MP4A	X	-2.404	-2.404	0	%100
8	MP4A	Z	1.388	1.388	0	%100
9	MP3A	X	-2.404	-2.404	0	%100
10	MP3A	Z	1.388	1.388	0	%100
11	MP2A	X	-2.404	-2.404	0	%100
12	MP2A	Z	1.388	1.388	0	%100
13	MP1A	X	-2.404	-2.404	0	%100
14	MP1A	Z	1.388	1.388	0	%100
15	M18	X	-3.03	-3.03	0	%100
16	M18	Z	1.749	1.749	0	%100
17	M19	X	-2.444	-2.444	0	%100
18	M19	Z	1.411	1.411	0	%100
19	MP5C	X	-2.404	-2.404	0	%100
20	MP5C	Z	1.388	1.388	0	%100
21	MP4C	X	-2.404	-2.404	0	%100
22	MP4C	Z	1.388	1.388	0	%100
23	MP3C	X	-2.404	-2.404	0	%100
24	MP3C	Z	1.388	1.388	0	%100
25	MP2C	X	-2.404	-2.404	0	%100
26	MP2C	Z	1.388	1.388	0	%100
27	MP1C	X	-2.404	-2.404	0	%100
28	MP1C	Z	1.388	1.388	0	%100
29	M35	X	-.757	-.757	0	%100
30	M35	Z	.437	.437	0	%100
31	M36	X	-.611	-.611	0	%100
32	M36	Z	.353	.353	0	%100
33	MP5B	X	-2.404	-2.404	0	%100
34	MP5B	Z	1.388	1.388	0	%100
35	MP4B	X	-2.404	-2.404	0	%100
36	MP4B	Z	1.388	1.388	0	%100
37	MP3B	X	-2.404	-2.404	0	%100
38	MP3B	Z	1.388	1.388	0	%100
39	MP2B	X	-2.404	-2.404	0	%100
40	MP2B	Z	1.388	1.388	0	%100
41	MP1B	X	-2.404	-2.404	0	%100
42	MP1B	Z	1.388	1.388	0	%100
43	M52	X	-2.184	-2.184	0	%100
44	M52	Z	1.261	1.261	0	%100
45	M53	X	-.546	-.546	0	%100
46	M53	Z	.315	.315	0	%100
47	M54	X	-.546	-.546	0	%100
48	M54	Z	.315	.315	0	%100
49	M58	X	-2.294	-2.294	0	%100
50	M58	Z	1.324	1.324	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-2.294	-2.294	0	%100
54	M60	Z	1.324	1.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
55	M63	X	-.971	-.971	0	%100
56	M63	Z	.561	.561	0	%100
57	M64	X	-.971	-.971	0	%100
58	M64	Z	.561	.561	0	%100
59	M81	X	-3.885	-3.885	0	%100
60	M81	Z	2.243	2.243	0	%100
61	M82	X	-3.885	-3.885	0	%100
62	M82	Z	2.243	2.243	0	%100
63	M85	X	-.971	-.971	0	%100
64	M85	Z	.561	.561	0	%100
65	M86	X	-.971	-.971	0	%100
66	M86	Z	.561	.561	0	%100
67	M91	X	-3.049	-3.049	0	%100
68	M91	Z	1.761	1.761	0	%100
69	M92	X	-3.049	-3.049	0	%100
70	M92	Z	1.761	1.761	0	%100
71	M80A	X	-.622	-.622	0	%100
72	M80A	Z	.359	.359	0	%100
73	M80B	X	-.622	-.622	0	%100
74	M80B	Z	.359	.359	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-2.487	-2.487	0	%100
80	M81B	Z	1.436	1.436	0	%100
81	M82B	X	-2.487	-2.487	0	%100
82	M82B	Z	1.436	1.436	0	%100
83	M85A	X	-3.049	-3.049	0	%100
84	M85A	Z	1.761	1.761	0	%100
85	M86A	X	-3.049	-3.049	0	%100
86	M86A	Z	1.761	1.761	0	%100
87	M87	X	-.622	-.622	0	%100
88	M87	Z	.359	.359	0	%100
89	M88	X	-.622	-.622	0	%100
90	M88	Z	.359	.359	0	%100
91	M93	X	-.957	-.957	0	%100
92	M93	Z	.552	.552	0	%100
93	M91A	X	-.957	-.957	0	%100
94	M91A	Z	.552	.552	0	%100
95	M93A	X	-3.827	-3.827	0	%100
96	M93A	Z	2.21	2.21	0	%100
97	M95	X	-3.827	-3.827	0	%100
98	M95	Z	2.21	2.21	0	%100
99	M97	X	-.957	-.957	0	%100
100	M97	Z	.552	.552	0	%100
101	M99	X	-.957	-.957	0	%100
102	M99	Z	.552	.552	0	%100
103	M104	X	-3.88	-3.88	0	%100
104	M104	Z	2.24	2.24	0	%100
105	M105	X	-.97	-.97	0	%100
106	M105	Z	.56	.56	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
107	M106	X	-.97	-.97	0	%100
108	M106	Z	.56	.56	0	%100
109	M111	X	-.745	-.745	0	%100
110	M111	Z	.43	.43	0	%100
111	M112	X	-2.84	-2.84	0	%100
112	M112	Z	1.64	1.64	0	%100
113	M119	X	-.676	-.676	0	%100
114	M119	Z	.39	.39	0	%100
115	M120	X	-.676	-.676	0	%100
116	M120	Z	.39	.39	0	%100
117	M127	X	-2.84	-2.84	0	%100
118	M127	Z	1.64	1.64	0	%100
119	M128	X	-.745	-.745	0	%100
120	M128	Z	.43	.43	0	%100
121	M128A	X	-2.404	-2.404	0	%100
122	M128A	Z	1.388	1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-2.822	-2.822	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-2.822	-2.822	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-2.822	-2.822	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-2.822	-2.822	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.822	-2.822	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-2.624	-2.624	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.117	-2.117	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-2.822	-2.822	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-2.822	-2.822	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-2.822	-2.822	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-2.822	-2.822	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-2.822	-2.822	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-2.624	-2.624	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-2.117	-2.117	0	%100
32	M36	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
33	MP5B	X	-2.822	-2.822	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-2.822	-2.822	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-2.822	-2.822	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-2.822	-2.822	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-2.822	-2.822	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-1.891	-1.891	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-1.891	-1.891	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-3.531	-3.531	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-.883	-.883	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.883	-.883	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-3.364	-3.364	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-3.364	-3.364	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-3.364	-3.364	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-3.364	-3.364	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-4.695	-4.695	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-4.695	-4.695	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-1.174	-1.174	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-1.174	-1.174	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-2.154	-2.154	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-2.154	-2.154	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-1.174	-1.174	0	%100
84	M85A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
85	M86A	X	-1.174	-1.174	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-2.154	-2.154	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-2.154	-2.154	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-3.314	-3.314	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-3.314	-3.314	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-3.314	-3.314	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-3.314	-3.314	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-3.36	-3.36	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-3.36	-3.36	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-2.499	-2.499	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-2.499	-2.499	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.000636	-.000636	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-2.42	-2.42	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-2.42	-2.42	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.000636	-.000636	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-2.822	-2.822	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.757	-.757	0	%100
2	M1	Z	-.437	-.437	0	%100
3	M2	X	-.611	-.611	0	%100
4	M2	Z	-.353	-.353	0	%100
5	MP5A	X	-2.404	-2.404	0	%100
6	MP5A	Z	-1.388	-1.388	0	%100
7	MP4A	X	-2.404	-2.404	0	%100
8	MP4A	Z	-1.388	-1.388	0	%100
9	MP3A	X	-2.404	-2.404	0	%100
10	MP3A	Z	-1.388	-1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-2.404	-2.404	0	%100
12	MP2A	Z	-1.388	-1.388	0	%100
13	MP1A	X	-2.404	-2.404	0	%100
14	MP1A	Z	-1.388	-1.388	0	%100
15	M18	X	-.757	-.757	0	%100
16	M18	Z	-.437	-.437	0	%100
17	M19	X	-.611	-.611	0	%100
18	M19	Z	-.353	-.353	0	%100
19	MP5C	X	-2.404	-2.404	0	%100
20	MP5C	Z	-1.388	-1.388	0	%100
21	MP4C	X	-2.404	-2.404	0	%100
22	MP4C	Z	-1.388	-1.388	0	%100
23	MP3C	X	-2.404	-2.404	0	%100
24	MP3C	Z	-1.388	-1.388	0	%100
25	MP2C	X	-2.404	-2.404	0	%100
26	MP2C	Z	-1.388	-1.388	0	%100
27	MP1C	X	-2.404	-2.404	0	%100
28	MP1C	Z	-1.388	-1.388	0	%100
29	M35	X	-3.03	-3.03	0	%100
30	M35	Z	-1.749	-1.749	0	%100
31	M36	X	-2.444	-2.444	0	%100
32	M36	Z	-1.411	-1.411	0	%100
33	MP5B	X	-2.404	-2.404	0	%100
34	MP5B	Z	-1.388	-1.388	0	%100
35	MP4B	X	-2.404	-2.404	0	%100
36	MP4B	Z	-1.388	-1.388	0	%100
37	MP3B	X	-2.404	-2.404	0	%100
38	MP3B	Z	-1.388	-1.388	0	%100
39	MP2B	X	-2.404	-2.404	0	%100
40	MP2B	Z	-1.388	-1.388	0	%100
41	MP1B	X	-2.404	-2.404	0	%100
42	MP1B	Z	-1.388	-1.388	0	%100
43	M52	X	-.546	-.546	0	%100
44	M52	Z	-.315	-.315	0	%100
45	M53	X	-2.184	-2.184	0	%100
46	M53	Z	-1.261	-1.261	0	%100
47	M54	X	-.546	-.546	0	%100
48	M54	Z	-.315	-.315	0	%100
49	M58	X	-2.294	-2.294	0	%100
50	M58	Z	-1.324	-1.324	0	%100
51	M59	X	-2.294	-2.294	0	%100
52	M59	Z	-1.324	-1.324	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-.971	-.971	0	%100
56	M63	Z	-.561	-.561	0	%100
57	M64	X	-.971	-.971	0	%100
58	M64	Z	-.561	-.561	0	%100
59	M81	X	-.971	-.971	0	%100
60	M81	Z	-.561	-.561	0	%100
61	M82	X	-.971	-.971	0	%100
62	M82	Z	-.561	-.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
63	M85	X	-3.885	-3.885	0	%100
64	M85	Z	-2.243	-2.243	0	%100
65	M86	X	-3.885	-3.885	0	%100
66	M86	Z	-2.243	-2.243	0	%100
67	M91	X	-3.049	-3.049	0	%100
68	M91	Z	-1.761	-1.761	0	%100
69	M92	X	-3.049	-3.049	0	%100
70	M92	Z	-1.761	-1.761	0	%100
71	M80A	X	-.622	-.622	0	%100
72	M80A	Z	-.359	-.359	0	%100
73	M80B	X	-.622	-.622	0	%100
74	M80B	Z	-.359	-.359	0	%100
75	M79A	X	-3.049	-3.049	0	%100
76	M79A	Z	-1.761	-1.761	0	%100
77	M80C	X	-3.049	-3.049	0	%100
78	M80C	Z	-1.761	-1.761	0	%100
79	M81B	X	-.622	-.622	0	%100
80	M81B	Z	-.359	-.359	0	%100
81	M82B	X	-.622	-.622	0	%100
82	M82B	Z	-.359	-.359	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-2.487	-2.487	0	%100
88	M87	Z	-1.436	-1.436	0	%100
89	M88	X	-2.487	-2.487	0	%100
90	M88	Z	-1.436	-1.436	0	%100
91	M93	X	-.957	-.957	0	%100
92	M93	Z	-.552	-.552	0	%100
93	M91A	X	-.957	-.957	0	%100
94	M91A	Z	-.552	-.552	0	%100
95	M93A	X	-.957	-.957	0	%100
96	M93A	Z	-.552	-.552	0	%100
97	M95	X	-.957	-.957	0	%100
98	M95	Z	-.552	-.552	0	%100
99	M97	X	-3.827	-3.827	0	%100
100	M97	Z	-2.21	-2.21	0	%100
101	M99	X	-3.827	-3.827	0	%100
102	M99	Z	-2.21	-2.21	0	%100
103	M104	X	-.97	-.97	0	%100
104	M104	Z	-.56	-.56	0	%100
105	M105	X	-3.88	-3.88	0	%100
106	M105	Z	-2.24	-2.24	0	%100
107	M106	X	-.97	-.97	0	%100
108	M106	Z	-.56	-.56	0	%100
109	M111	X	-2.84	-2.84	0	%100
110	M111	Z	-1.64	-1.64	0	%100
111	M112	X	-.745	-.745	0	%100
112	M112	Z	-.43	-.43	0	%100
113	M119	X	-.745	-.745	0	%100
114	M119	Z	-.43	-.43	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
115	M120	X	-2.84	-2.84	0	%100
116	M120	Z	-1.64	-1.64	0	%100
117	M127	X	-.676	-.676	0	%100
118	M127	Z	-.39	-.39	0	%100
119	M128	X	-.676	-.676	0	%100
120	M128	Z	-.39	-.39	0	%100
121	M128A	X	-2.404	-2.404	0	%100
122	M128A	Z	-1.388	-1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.312	-1.312	0	%100
2	M1	Z	-2.272	-2.272	0	%100
3	M2	X	-1.058	-1.058	0	%100
4	M2	Z	-1.833	-1.833	0	%100
5	MP5A	X	-1.342	-1.342	0	%100
6	MP5A	Z	-2.324	-2.324	0	%100
7	MP4A	X	-1.342	-1.342	0	%100
8	MP4A	Z	-2.324	-2.324	0	%100
9	MP3A	X	-1.342	-1.342	0	%100
10	MP3A	Z	-2.324	-2.324	0	%100
11	MP2A	X	-1.342	-1.342	0	%100
12	MP2A	Z	-2.324	-2.324	0	%100
13	MP1A	X	-1.342	-1.342	0	%100
14	MP1A	Z	-2.324	-2.324	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-1.342	-1.342	0	%100
20	MP5C	Z	-2.324	-2.324	0	%100
21	MP4C	X	-1.342	-1.342	0	%100
22	MP4C	Z	-2.324	-2.324	0	%100
23	MP3C	X	-1.342	-1.342	0	%100
24	MP3C	Z	-2.324	-2.324	0	%100
25	MP2C	X	-1.342	-1.342	0	%100
26	MP2C	Z	-2.324	-2.324	0	%100
27	MP1C	X	-1.342	-1.342	0	%100
28	MP1C	Z	-2.324	-2.324	0	%100
29	M35	X	-1.312	-1.312	0	%100
30	M35	Z	-2.272	-2.272	0	%100
31	M36	X	-1.058	-1.058	0	%100
32	M36	Z	-1.833	-1.833	0	%100
33	MP5B	X	-1.342	-1.342	0	%100
34	MP5B	Z	-2.324	-2.324	0	%100
35	MP4B	X	-1.342	-1.342	0	%100
36	MP4B	Z	-2.324	-2.324	0	%100
37	MP3B	X	-1.342	-1.342	0	%100
38	MP3B	Z	-2.324	-2.324	0	%100
39	MP2B	X	-1.342	-1.342	0	%100
40	MP2B	Z	-2.324	-2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
41	MP1B	X	-1.342	-1.342	0	%100
42	MP1B	Z	-2.324	-2.324	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.946	-.946	0	%100
46	M53	Z	-1.638	-1.638	0	%100
47	M54	X	-.946	-.946	0	%100
48	M54	Z	-1.638	-1.638	0	%100
49	M58	X	-.441	-.441	0	%100
50	M58	Z	-.765	-.765	0	%100
51	M59	X	-1.766	-1.766	0	%100
52	M59	Z	-3.058	-3.058	0	%100
53	M60	X	-.441	-.441	0	%100
54	M60	Z	-.765	-.765	0	%100
55	M63	X	-1.682	-1.682	0	%100
56	M63	Z	-2.914	-2.914	0	%100
57	M64	X	-1.682	-1.682	0	%100
58	M64	Z	-2.914	-2.914	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-1.682	-1.682	0	%100
64	M85	Z	-2.914	-2.914	0	%100
65	M86	X	-1.682	-1.682	0	%100
66	M86	Z	-2.914	-2.914	0	%100
67	M91	X	-.587	-.587	0	%100
68	M91	Z	-1.016	-1.016	0	%100
69	M92	X	-.587	-.587	0	%100
70	M92	Z	-1.016	-1.016	0	%100
71	M80A	X	-1.077	-1.077	0	%100
72	M80A	Z	-1.865	-1.865	0	%100
73	M80B	X	-1.077	-1.077	0	%100
74	M80B	Z	-1.865	-1.865	0	%100
75	M79A	X	-2.347	-2.347	0	%100
76	M79A	Z	-4.066	-4.066	0	%100
77	M80C	X	-2.347	-2.347	0	%100
78	M80C	Z	-4.066	-4.066	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.587	-.587	0	%100
84	M85A	Z	-1.016	-1.016	0	%100
85	M86A	X	-.587	-.587	0	%100
86	M86A	Z	-1.016	-1.016	0	%100
87	M87	X	-1.077	-1.077	0	%100
88	M87	Z	-1.865	-1.865	0	%100
89	M88	X	-1.077	-1.077	0	%100
90	M88	Z	-1.865	-1.865	0	%100
91	M93	X	-1.657	-1.657	0	%100
92	M93	Z	-2.87	-2.87	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
93	M91A	X	-1.657	-1.657	0	%100
94	M91A	Z	-2.87	-2.87	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-1.657	-1.657	0	%100
100	M97	Z	-2.87	-2.87	0	%100
101	M99	X	-1.657	-1.657	0	%100
102	M99	Z	-2.87	-2.87	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-1.68	-1.68	0	%100
106	M105	Z	-2.91	-2.91	0	%100
107	M106	X	-1.68	-1.68	0	%100
108	M106	Z	-2.91	-2.91	0	%100
109	M111	X	-1.21	-1.21	0	%100
110	M111	Z	-2.096	-2.096	0	%100
111	M112	X	-.000318	-.000318	0	%100
112	M112	Z	-.000551	-.000551	0	%100
113	M119	X	-1.25	-1.25	0	%100
114	M119	Z	-2.164	-2.164	0	%100
115	M120	X	-1.25	-1.25	0	%100
116	M120	Z	-2.164	-2.164	0	%100
117	M127	X	-.000318	-.000318	0	%100
118	M127	Z	-.000551	-.000551	0	%100
119	M128	X	-1.21	-1.21	0	%100
120	M128	Z	-2.096	-2.096	0	%100
121	M128A	X	-1.342	-1.342	0	%100
122	M128A	Z	-2.324	-2.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.757	-.757	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.514	-.514	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-.447	-.447	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-.447	-.447	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.447	-.447	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.447	-.447	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.447	-.447	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.189	-.189	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.128	-.128	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-.447	-.447	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-.447	-.447	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-.447	-.447	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-.447	-.447	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.447	-.447	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-.189	-.189	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-.128	-.128	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	-.447	-.447	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-.447	-.447	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-.447	-.447	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.447	-.447	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.447	-.447	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-.147	-.147	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-.147	-.147	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-.589	-.589	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-.577	-.577	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-.577	-.577	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-1.322	-1.322	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	-1.322	-1.322	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-.33	-.33	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-.33	-.33	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-.33	-.33	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-.33	-.33	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
71	M80A	X	0	0	0	%100
72	M80A	Z	-.65	-.65	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	-.65	-.65	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-1.048	-1.048	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	-1.048	-1.048	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-.163	-.163	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-.163	-.163	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-1.048	-1.048	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-1.048	-1.048	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-.163	-.163	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-.163	-.163	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	-1.298	-1.298	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-1.298	-1.298	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-.324	-.324	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-.324	-.324	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-.324	-.324	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-.324	-.324	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-.324	-.324	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-.324	-.324	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-1.298	-1.298	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.17	-.17	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.17	-.17	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-.715	-.715	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-.187	-.187	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.187	-.187	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.715	-.715	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-.447	-.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.284	.284	0	%100
2	M1	Z	-.492	-.492	0	%100
3	M2	X	.193	.193	0	%100
4	M2	Z	-.334	-.334	0	%100
5	MP5A	X	.232	.232	0	%100
6	MP5A	Z	-.402	-.402	0	%100
7	MP4A	X	.232	.232	0	%100
8	MP4A	Z	-.402	-.402	0	%100
9	MP3A	X	.232	.232	0	%100
10	MP3A	Z	-.402	-.402	0	%100
11	MP2A	X	.232	.232	0	%100
12	MP2A	Z	-.402	-.402	0	%100
13	MP1A	X	.232	.232	0	%100
14	MP1A	Z	-.402	-.402	0	%100
15	M18	X	.284	.284	0	%100
16	M18	Z	-.492	-.492	0	%100
17	M19	X	.193	.193	0	%100
18	M19	Z	-.334	-.334	0	%100
19	MP5C	X	.232	.232	0	%100
20	MP5C	Z	-.402	-.402	0	%100
21	MP4C	X	.232	.232	0	%100
22	MP4C	Z	-.402	-.402	0	%100
23	MP3C	X	.232	.232	0	%100
24	MP3C	Z	-.402	-.402	0	%100
25	MP2C	X	.232	.232	0	%100
26	MP2C	Z	-.402	-.402	0	%100
27	MP1C	X	.232	.232	0	%100
28	MP1C	Z	-.402	-.402	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	.232	.232	0	%100
34	MP5B	Z	-.402	-.402	0	%100
35	MP4B	X	.232	.232	0	%100
36	MP4B	Z	-.402	-.402	0	%100
37	MP3B	X	.232	.232	0	%100
38	MP3B	Z	-.402	-.402	0	%100
39	MP2B	X	.232	.232	0	%100
40	MP2B	Z	-.402	-.402	0	%100
41	MP1B	X	.232	.232	0	%100
42	MP1B	Z	-.402	-.402	0	%100
43	M52	X	.221	.221	0	%100
44	M52	Z	-.382	-.382	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	.221	.221	0	%100
48	M54	Z	-.382	-.382	0	%100
49	M58	X	.096	.096	0	%100
50	M58	Z	-.166	-.166	0	%100
51	M59	X	.096	.096	0	%100
52	M59	Z	-.166	-.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
53	M60	X	.384	.384	0	%100
54	M60	Z	-.666	-.666	0	%100
55	M63	X	.496	.496	0	%100
56	M63	Z	-.859	-.859	0	%100
57	M64	X	.496	.496	0	%100
58	M64	Z	-.859	-.859	0	%100
59	M81	X	.496	.496	0	%100
60	M81	Z	-.859	-.859	0	%100
61	M82	X	.496	.496	0	%100
62	M82	Z	-.859	-.859	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	.175	.175	0	%100
68	M91	Z	-.302	-.302	0	%100
69	M92	X	.175	.175	0	%100
70	M92	Z	-.302	-.302	0	%100
71	M80A	X	.244	.244	0	%100
72	M80A	Z	-.422	-.422	0	%100
73	M80B	X	.244	.244	0	%100
74	M80B	Z	-.422	-.422	0	%100
75	M79A	X	.175	.175	0	%100
76	M79A	Z	-.302	-.302	0	%100
77	M80C	X	.175	.175	0	%100
78	M80C	Z	-.302	-.302	0	%100
79	M81B	X	.244	.244	0	%100
80	M81B	Z	-.422	-.422	0	%100
81	M82B	X	.244	.244	0	%100
82	M82B	Z	-.422	-.422	0	%100
83	M85A	X	.699	.699	0	%100
84	M85A	Z	-1.21	-1.21	0	%100
85	M86A	X	.699	.699	0	%100
86	M86A	Z	-1.21	-1.21	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	.487	.487	0	%100
92	M93	Z	-.843	-.843	0	%100
93	M91A	X	.487	.487	0	%100
94	M91A	Z	-.843	-.843	0	%100
95	M93A	X	.487	.487	0	%100
96	M93A	Z	-.843	-.843	0	%100
97	M95	X	.487	.487	0	%100
98	M95	Z	-.843	-.843	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	.487	.487	0	%100
104	M104	Z	-.843	-.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	.487	.487	0	%100
108	M106	Z	-.843	-.843	0	%100
109	M111	X	6.9e-5	6.9e-5	0	%100
110	M111	Z	-.00012	-.00012	0	%100
111	M112	X	.264	.264	0	%100
112	M112	Z	-.457	-.457	0	%100
113	M119	X	.264	.264	0	%100
114	M119	Z	-.457	-.457	0	%100
115	M120	X	6.9e-5	6.9e-5	0	%100
116	M120	Z	-.00012	-.00012	0	%100
117	M127	X	.272	.272	0	%100
118	M127	Z	-.472	-.472	0	%100
119	M128	X	.272	.272	0	%100
120	M128	Z	-.472	-.472	0	%100
121	M128A	X	.232	.232	0	%100
122	M128A	Z	-.402	-.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.164	.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M2	X	.111	.111	0	%100
4	M2	Z	-.064	-.064	0	%100
5	MP5A	X	.43	.43	0	%100
6	MP5A	Z	-.249	-.249	0	%100
7	MP4A	X	.43	.43	0	%100
8	MP4A	Z	-.249	-.249	0	%100
9	MP3A	X	.43	.43	0	%100
10	MP3A	Z	-.249	-.249	0	%100
11	MP2A	X	.43	.43	0	%100
12	MP2A	Z	-.249	-.249	0	%100
13	MP1A	X	.43	.43	0	%100
14	MP1A	Z	-.249	-.249	0	%100
15	M18	X	.656	.656	0	%100
16	M18	Z	-.379	-.379	0	%100
17	M19	X	.445	.445	0	%100
18	M19	Z	-.257	-.257	0	%100
19	MP5C	X	.43	.43	0	%100
20	MP5C	Z	-.249	-.249	0	%100
21	MP4C	X	.43	.43	0	%100
22	MP4C	Z	-.249	-.249	0	%100
23	MP3C	X	.43	.43	0	%100
24	MP3C	Z	-.249	-.249	0	%100
25	MP2C	X	.43	.43	0	%100
26	MP2C	Z	-.249	-.249	0	%100
27	MP1C	X	.43	.43	0	%100
28	MP1C	Z	-.249	-.249	0	%100
29	M35	X	.164	.164	0	%100
30	M35	Z	-.095	-.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
31	M36	X	.111	.111	0	%100
32	M36	Z	-.064	-.064	0	%100
33	MP5B	X	.43	.43	0	%100
34	MP5B	Z	-.249	-.249	0	%100
35	MP4B	X	.43	.43	0	%100
36	MP4B	Z	-.249	-.249	0	%100
37	MP3B	X	.43	.43	0	%100
38	MP3B	Z	-.249	-.249	0	%100
39	MP2B	X	.43	.43	0	%100
40	MP2B	Z	-.249	-.249	0	%100
41	MP1B	X	.43	.43	0	%100
42	MP1B	Z	-.249	-.249	0	%100
43	M52	X	.51	.51	0	%100
44	M52	Z	-.294	-.294	0	%100
45	M53	X	.127	.127	0	%100
46	M53	Z	-.074	-.074	0	%100
47	M54	X	.127	.127	0	%100
48	M54	Z	-.074	-.074	0	%100
49	M58	X	.499	.499	0	%100
50	M58	Z	-.288	-.288	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.499	.499	0	%100
54	M60	Z	-.288	-.288	0	%100
55	M63	X	.286	.286	0	%100
56	M63	Z	-.165	-.165	0	%100
57	M64	X	.286	.286	0	%100
58	M64	Z	-.165	-.165	0	%100
59	M81	X	1.145	1.145	0	%100
60	M81	Z	-.661	-.661	0	%100
61	M82	X	1.145	1.145	0	%100
62	M82	Z	-.661	-.661	0	%100
63	M85	X	.286	.286	0	%100
64	M85	Z	-.165	-.165	0	%100
65	M86	X	.286	.286	0	%100
66	M86	Z	-.165	-.165	0	%100
67	M91	X	.907	.907	0	%100
68	M91	Z	-.524	-.524	0	%100
69	M92	X	.907	.907	0	%100
70	M92	Z	-.524	-.524	0	%100
71	M80A	X	.141	.141	0	%100
72	M80A	Z	-.081	-.081	0	%100
73	M80B	X	.141	.141	0	%100
74	M80B	Z	-.081	-.081	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	.563	.563	0	%100
80	M81B	Z	-.325	-.325	0	%100
81	M82B	X	.563	.563	0	%100
82	M82B	Z	-.325	-.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
83	M85A	X	.907	.907	0	%100
84	M85A	Z	-.524	-.524	0	%100
85	M86A	X	.907	.907	0	%100
86	M86A	Z	-.524	-.524	0	%100
87	M87	X	.141	.141	0	%100
88	M87	Z	-.081	-.081	0	%100
89	M88	X	.141	.141	0	%100
90	M88	Z	-.081	-.081	0	%100
91	M93	X	.281	.281	0	%100
92	M93	Z	-.162	-.162	0	%100
93	M91A	X	.281	.281	0	%100
94	M91A	Z	-.162	-.162	0	%100
95	M93A	X	1.124	1.124	0	%100
96	M93A	Z	-.649	-.649	0	%100
97	M95	X	1.124	1.124	0	%100
98	M95	Z	-.649	-.649	0	%100
99	M97	X	.281	.281	0	%100
100	M97	Z	-.162	-.162	0	%100
101	M99	X	.281	.281	0	%100
102	M99	Z	-.162	-.162	0	%100
103	M104	X	1.124	1.124	0	%100
104	M104	Z	-.649	-.649	0	%100
105	M105	X	.281	.281	0	%100
106	M105	Z	-.162	-.162	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	-.162	-.162	0	%100
109	M111	X	.162	.162	0	%100
110	M111	Z	-.094	-.094	0	%100
111	M112	X	.619	.619	0	%100
112	M112	Z	-.357	-.357	0	%100
113	M119	X	.147	.147	0	%100
114	M119	Z	-.085	-.085	0	%100
115	M120	X	.147	.147	0	%100
116	M120	Z	-.085	-.085	0	%100
117	M127	X	.619	.619	0	%100
118	M127	Z	-.357	-.357	0	%100
119	M128	X	.162	.162	0	%100
120	M128	Z	-.094	-.094	0	%100
121	M128A	X	.43	.43	0	%100
122	M128A	Z	-.249	-.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	.514	.514	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	.514	.514	0	%100
8	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
9	MP3A	X	.514	.514	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	.514	.514	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.514	.514	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	.568	.568	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.385	.385	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	.514	.514	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	.514	.514	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	.514	.514	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	.514	.514	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	.514	.514	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	.568	.568	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	.385	.385	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	.514	.514	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	.514	.514	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	.514	.514	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	.514	.514	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	.514	.514	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	.442	.442	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.442	.442	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	.769	.769	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	.192	.192	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.192	.192	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	.991	.991	0	%100
60	M81	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
61	M82	X	.991	.991	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	.991	.991	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	.991	.991	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	1.397	1.397	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	1.397	1.397	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	.349	.349	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	.349	.349	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	.488	.488	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	.488	.488	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.349	.349	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	.349	.349	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	.488	.488	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	.488	.488	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	.973	.973	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	.973	.973	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	.973	.973	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	.973	.973	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	.973	.973	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	.973	.973	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	.545	.545	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	.545	.545	0	%100
112	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	.000139	.000139	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	.527	.527	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	.527	.527	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.000139	.000139	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	.514	.514	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.164	.164	0	%100
2	M1	Z	.095	.095	0	%100
3	M2	X	.111	.111	0	%100
4	M2	Z	.064	.064	0	%100
5	MP5A	X	.43	.43	0	%100
6	MP5A	Z	.249	.249	0	%100
7	MP4A	X	.43	.43	0	%100
8	MP4A	Z	.249	.249	0	%100
9	MP3A	X	.43	.43	0	%100
10	MP3A	Z	.249	.249	0	%100
11	MP2A	X	.43	.43	0	%100
12	MP2A	Z	.249	.249	0	%100
13	MP1A	X	.43	.43	0	%100
14	MP1A	Z	.249	.249	0	%100
15	M18	X	.164	.164	0	%100
16	M18	Z	.095	.095	0	%100
17	M19	X	.111	.111	0	%100
18	M19	Z	.064	.064	0	%100
19	MP5C	X	.43	.43	0	%100
20	MP5C	Z	.249	.249	0	%100
21	MP4C	X	.43	.43	0	%100
22	MP4C	Z	.249	.249	0	%100
23	MP3C	X	.43	.43	0	%100
24	MP3C	Z	.249	.249	0	%100
25	MP2C	X	.43	.43	0	%100
26	MP2C	Z	.249	.249	0	%100
27	MP1C	X	.43	.43	0	%100
28	MP1C	Z	.249	.249	0	%100
29	M35	X	.656	.656	0	%100
30	M35	Z	.379	.379	0	%100
31	M36	X	.445	.445	0	%100
32	M36	Z	.257	.257	0	%100
33	MP5B	X	.43	.43	0	%100
34	MP5B	Z	.249	.249	0	%100
35	MP4B	X	.43	.43	0	%100
36	MP4B	Z	.249	.249	0	%100
37	MP3B	X	.43	.43	0	%100
38	MP3B	Z	.249	.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
39	MP2B	X	.43	.43	0	%100
40	MP2B	Z	.249	.249	0	%100
41	MP1B	X	.43	.43	0	%100
42	MP1B	Z	.249	.249	0	%100
43	M52	X	.127	.127	0	%100
44	M52	Z	.074	.074	0	%100
45	M53	X	.51	.51	0	%100
46	M53	Z	.294	.294	0	%100
47	M54	X	.127	.127	0	%100
48	M54	Z	.074	.074	0	%100
49	M58	X	.499	.499	0	%100
50	M58	Z	.288	.288	0	%100
51	M59	X	.499	.499	0	%100
52	M59	Z	.288	.288	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	.286	.286	0	%100
56	M63	Z	.165	.165	0	%100
57	M64	X	.286	.286	0	%100
58	M64	Z	.165	.165	0	%100
59	M81	X	.286	.286	0	%100
60	M81	Z	.165	.165	0	%100
61	M82	X	.286	.286	0	%100
62	M82	Z	.165	.165	0	%100
63	M85	X	1.145	1.145	0	%100
64	M85	Z	.661	.661	0	%100
65	M86	X	1.145	1.145	0	%100
66	M86	Z	.661	.661	0	%100
67	M91	X	.907	.907	0	%100
68	M91	Z	.524	.524	0	%100
69	M92	X	.907	.907	0	%100
70	M92	Z	.524	.524	0	%100
71	M80A	X	.141	.141	0	%100
72	M80A	Z	.081	.081	0	%100
73	M80B	X	.141	.141	0	%100
74	M80B	Z	.081	.081	0	%100
75	M79A	X	.907	.907	0	%100
76	M79A	Z	.524	.524	0	%100
77	M80C	X	.907	.907	0	%100
78	M80C	Z	.524	.524	0	%100
79	M81B	X	.141	.141	0	%100
80	M81B	Z	.081	.081	0	%100
81	M82B	X	.141	.141	0	%100
82	M82B	Z	.081	.081	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	.563	.563	0	%100
88	M87	Z	.325	.325	0	%100
89	M88	X	.563	.563	0	%100
90	M88	Z	.325	.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
91	M93	X	.281	.281	0	%100
92	M93	Z	.162	.162	0	%100
93	M91A	X	.281	.281	0	%100
94	M91A	Z	.162	.162	0	%100
95	M93A	X	.281	.281	0	%100
96	M93A	Z	.162	.162	0	%100
97	M95	X	.281	.281	0	%100
98	M95	Z	.162	.162	0	%100
99	M97	X	1.124	1.124	0	%100
100	M97	Z	.649	.649	0	%100
101	M99	X	1.124	1.124	0	%100
102	M99	Z	.649	.649	0	%100
103	M104	X	.281	.281	0	%100
104	M104	Z	.162	.162	0	%100
105	M105	X	1.124	1.124	0	%100
106	M105	Z	.649	.649	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	.162	.162	0	%100
109	M111	X	.619	.619	0	%100
110	M111	Z	.357	.357	0	%100
111	M112	X	.162	.162	0	%100
112	M112	Z	.094	.094	0	%100
113	M119	X	.162	.162	0	%100
114	M119	Z	.094	.094	0	%100
115	M120	X	.619	.619	0	%100
116	M120	Z	.357	.357	0	%100
117	M127	X	.147	.147	0	%100
118	M127	Z	.085	.085	0	%100
119	M128	X	.147	.147	0	%100
120	M128	Z	.085	.085	0	%100
121	M128A	X	.43	.43	0	%100
122	M128A	Z	.249	.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.284	.284	0	%100
2	M1	Z	.492	.492	0	%100
3	M2	X	.193	.193	0	%100
4	M2	Z	.334	.334	0	%100
5	MP5A	X	.232	.232	0	%100
6	MP5A	Z	.402	.402	0	%100
7	MP4A	X	.232	.232	0	%100
8	MP4A	Z	.402	.402	0	%100
9	MP3A	X	.232	.232	0	%100
10	MP3A	Z	.402	.402	0	%100
11	MP2A	X	.232	.232	0	%100
12	MP2A	Z	.402	.402	0	%100
13	MP1A	X	.232	.232	0	%100
14	MP1A	Z	.402	.402	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	.232	.232	0	%100
20	MP5C	Z	.402	.402	0	%100
21	MP4C	X	.232	.232	0	%100
22	MP4C	Z	.402	.402	0	%100
23	MP3C	X	.232	.232	0	%100
24	MP3C	Z	.402	.402	0	%100
25	MP2C	X	.232	.232	0	%100
26	MP2C	Z	.402	.402	0	%100
27	MP1C	X	.232	.232	0	%100
28	MP1C	Z	.402	.402	0	%100
29	M35	X	.284	.284	0	%100
30	M35	Z	.492	.492	0	%100
31	M36	X	.193	.193	0	%100
32	M36	Z	.334	.334	0	%100
33	MP5B	X	.232	.232	0	%100
34	MP5B	Z	.402	.402	0	%100
35	MP4B	X	.232	.232	0	%100
36	MP4B	Z	.402	.402	0	%100
37	MP3B	X	.232	.232	0	%100
38	MP3B	Z	.402	.402	0	%100
39	MP2B	X	.232	.232	0	%100
40	MP2B	Z	.402	.402	0	%100
41	MP1B	X	.232	.232	0	%100
42	MP1B	Z	.402	.402	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.221	.221	0	%100
46	M53	Z	.382	.382	0	%100
47	M54	X	.221	.221	0	%100
48	M54	Z	.382	.382	0	%100
49	M58	X	.096	.096	0	%100
50	M58	Z	.166	.166	0	%100
51	M59	X	.384	.384	0	%100
52	M59	Z	.666	.666	0	%100
53	M60	X	.096	.096	0	%100
54	M60	Z	.166	.166	0	%100
55	M63	X	.496	.496	0	%100
56	M63	Z	.859	.859	0	%100
57	M64	X	.496	.496	0	%100
58	M64	Z	.859	.859	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	.496	.496	0	%100
64	M85	Z	.859	.859	0	%100
65	M86	X	.496	.496	0	%100
66	M86	Z	.859	.859	0	%100
67	M91	X	.175	.175	0	%100
68	M91	Z	.302	.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
69	M92	X	.175	.175	0	%100
70	M92	Z	.302	.302	0	%100
71	M80A	X	.244	.244	0	%100
72	M80A	Z	.422	.422	0	%100
73	M80B	X	.244	.244	0	%100
74	M80B	Z	.422	.422	0	%100
75	M79A	X	.699	.699	0	%100
76	M79A	Z	1.21	1.21	0	%100
77	M80C	X	.699	.699	0	%100
78	M80C	Z	1.21	1.21	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.175	.175	0	%100
84	M85A	Z	.302	.302	0	%100
85	M86A	X	.175	.175	0	%100
86	M86A	Z	.302	.302	0	%100
87	M87	X	.244	.244	0	%100
88	M87	Z	.422	.422	0	%100
89	M88	X	.244	.244	0	%100
90	M88	Z	.422	.422	0	%100
91	M93	X	.487	.487	0	%100
92	M93	Z	.843	.843	0	%100
93	M91A	X	.487	.487	0	%100
94	M91A	Z	.843	.843	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	.487	.487	0	%100
100	M97	Z	.843	.843	0	%100
101	M99	X	.487	.487	0	%100
102	M99	Z	.843	.843	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	.487	.487	0	%100
106	M105	Z	.843	.843	0	%100
107	M106	X	.487	.487	0	%100
108	M106	Z	.843	.843	0	%100
109	M111	X	.264	.264	0	%100
110	M111	Z	.457	.457	0	%100
111	M112	X	6.9e-5	6.9e-5	0	%100
112	M112	Z	.00012	.00012	0	%100
113	M119	X	.272	.272	0	%100
114	M119	Z	.472	.472	0	%100
115	M120	X	.272	.272	0	%100
116	M120	Z	.472	.472	0	%100
117	M127	X	6.9e-5	6.9e-5	0	%100
118	M127	Z	.00012	.00012	0	%100
119	M128	X	.264	.264	0	%100
120	M128	Z	.457	.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
121	M128A	X	.232	.232	0	%100
122	M128A	Z	.402	.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.757	.757	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.514	.514	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	.447	.447	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	.447	.447	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.447	.447	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.447	.447	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.447	.447	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.189	.189	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.128	.128	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	.447	.447	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	.447	.447	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	.447	.447	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	.447	.447	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.447	.447	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	.189	.189	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	.128	.128	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	.447	.447	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	.447	.447	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	.447	.447	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.447	.447	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.447	.447	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	.147	.147	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	.147	.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
47	M54	X	0	0	0	%100
48	M54	Z	.589	.589	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	.577	.577	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	.577	.577	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	1.322	1.322	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	1.322	1.322	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	.33	.33	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	.33	.33	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	.33	.33	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	.33	.33	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	.65	.65	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	.65	.65	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	1.048	1.048	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	1.048	1.048	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	.163	.163	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	.163	.163	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	1.048	1.048	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	1.048	1.048	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	.163	.163	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	.163	.163	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	1.298	1.298	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	1.298	1.298	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	.324	.324	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	.324	.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
99	M97	X	0	0	0	%100
100	M97	Z	.324	.324	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	.324	.324	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.324	.324	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	.324	.324	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	1.298	1.298	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.17	.17	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.17	.17	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	.715	.715	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.187	.187	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.187	.187	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	.715	.715	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	.447	.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.284	-.284	0	%100
2	M1	Z	.492	.492	0	%100
3	M2	X	-.193	-.193	0	%100
4	M2	Z	.334	.334	0	%100
5	MP5A	X	-.232	-.232	0	%100
6	MP5A	Z	.402	.402	0	%100
7	MP4A	X	-.232	-.232	0	%100
8	MP4A	Z	.402	.402	0	%100
9	MP3A	X	-.232	-.232	0	%100
10	MP3A	Z	.402	.402	0	%100
11	MP2A	X	-.232	-.232	0	%100
12	MP2A	Z	.402	.402	0	%100
13	MP1A	X	-.232	-.232	0	%100
14	MP1A	Z	.402	.402	0	%100
15	M18	X	-.284	-.284	0	%100
16	M18	Z	.492	.492	0	%100
17	M19	X	-.193	-.193	0	%100
18	M19	Z	.334	.334	0	%100
19	MP5C	X	-.232	-.232	0	%100
20	MP5C	Z	.402	.402	0	%100
21	MP4C	X	-.232	-.232	0	%100
22	MP4C	Z	.402	.402	0	%100
23	MP3C	X	-.232	-.232	0	%100
24	MP3C	Z	.402	.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
25	MP2C	X	-.232	-.232	0	%100
26	MP2C	Z	.402	.402	0	%100
27	MP1C	X	-.232	-.232	0	%100
28	MP1C	Z	.402	.402	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-.232	-.232	0	%100
34	MP5B	Z	.402	.402	0	%100
35	MP4B	X	-.232	-.232	0	%100
36	MP4B	Z	.402	.402	0	%100
37	MP3B	X	-.232	-.232	0	%100
38	MP3B	Z	.402	.402	0	%100
39	MP2B	X	-.232	-.232	0	%100
40	MP2B	Z	.402	.402	0	%100
41	MP1B	X	-.232	-.232	0	%100
42	MP1B	Z	.402	.402	0	%100
43	M52	X	-.221	-.221	0	%100
44	M52	Z	.382	.382	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-.221	-.221	0	%100
48	M54	Z	.382	.382	0	%100
49	M58	X	-.096	-.096	0	%100
50	M58	Z	.166	.166	0	%100
51	M59	X	-.096	-.096	0	%100
52	M59	Z	.166	.166	0	%100
53	M60	X	-.384	-.384	0	%100
54	M60	Z	.666	.666	0	%100
55	M63	X	-.496	-.496	0	%100
56	M63	Z	.859	.859	0	%100
57	M64	X	-.496	-.496	0	%100
58	M64	Z	.859	.859	0	%100
59	M81	X	-.496	-.496	0	%100
60	M81	Z	.859	.859	0	%100
61	M82	X	-.496	-.496	0	%100
62	M82	Z	.859	.859	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-.175	-.175	0	%100
68	M91	Z	.302	.302	0	%100
69	M92	X	-.175	-.175	0	%100
70	M92	Z	.302	.302	0	%100
71	M80A	X	-.244	-.244	0	%100
72	M80A	Z	.422	.422	0	%100
73	M80B	X	-.244	-.244	0	%100
74	M80B	Z	.422	.422	0	%100
75	M79A	X	-.175	-.175	0	%100
76	M79A	Z	.302	.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
77	M80C	X	-.175	-.175	0	%100
78	M80C	Z	.302	.302	0	%100
79	M81B	X	-.244	-.244	0	%100
80	M81B	Z	.422	.422	0	%100
81	M82B	X	-.244	-.244	0	%100
82	M82B	Z	.422	.422	0	%100
83	M85A	X	-.699	-.699	0	%100
84	M85A	Z	1.21	1.21	0	%100
85	M86A	X	-.699	-.699	0	%100
86	M86A	Z	1.21	1.21	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-.487	-.487	0	%100
92	M93	Z	.843	.843	0	%100
93	M91A	X	-.487	-.487	0	%100
94	M91A	Z	.843	.843	0	%100
95	M93A	X	-.487	-.487	0	%100
96	M93A	Z	.843	.843	0	%100
97	M95	X	-.487	-.487	0	%100
98	M95	Z	.843	.843	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-.487	-.487	0	%100
104	M104	Z	.843	.843	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-.487	-.487	0	%100
108	M106	Z	.843	.843	0	%100
109	M111	X	-6.9e-5	-6.9e-5	0	%100
110	M111	Z	.00012	.00012	0	%100
111	M112	X	-.264	-.264	0	%100
112	M112	Z	.457	.457	0	%100
113	M119	X	-.264	-.264	0	%100
114	M119	Z	.457	.457	0	%100
115	M120	X	-6.9e-5	-6.9e-5	0	%100
116	M120	Z	.00012	.00012	0	%100
117	M127	X	-.272	-.272	0	%100
118	M127	Z	.472	.472	0	%100
119	M128	X	-.272	-.272	0	%100
120	M128	Z	.472	.472	0	%100
121	M128A	X	-.232	-.232	0	%100
122	M128A	Z	.402	.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.164	-.164	0	%100
2	M1	Z	.095	.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
3	M2	X	-.111	-.111	0	%100
4	M2	Z	.064	.064	0	%100
5	MP5A	X	-.43	-.43	0	%100
6	MP5A	Z	.249	.249	0	%100
7	MP4A	X	-.43	-.43	0	%100
8	MP4A	Z	.249	.249	0	%100
9	MP3A	X	-.43	-.43	0	%100
10	MP3A	Z	.249	.249	0	%100
11	MP2A	X	-.43	-.43	0	%100
12	MP2A	Z	.249	.249	0	%100
13	MP1A	X	-.43	-.43	0	%100
14	MP1A	Z	.249	.249	0	%100
15	M18	X	-.656	-.656	0	%100
16	M18	Z	.379	.379	0	%100
17	M19	X	-.445	-.445	0	%100
18	M19	Z	.257	.257	0	%100
19	MP5C	X	-.43	-.43	0	%100
20	MP5C	Z	.249	.249	0	%100
21	MP4C	X	-.43	-.43	0	%100
22	MP4C	Z	.249	.249	0	%100
23	MP3C	X	-.43	-.43	0	%100
24	MP3C	Z	.249	.249	0	%100
25	MP2C	X	-.43	-.43	0	%100
26	MP2C	Z	.249	.249	0	%100
27	MP1C	X	-.43	-.43	0	%100
28	MP1C	Z	.249	.249	0	%100
29	M35	X	-.164	-.164	0	%100
30	M35	Z	.095	.095	0	%100
31	M36	X	-.111	-.111	0	%100
32	M36	Z	.064	.064	0	%100
33	MP5B	X	-.43	-.43	0	%100
34	MP5B	Z	.249	.249	0	%100
35	MP4B	X	-.43	-.43	0	%100
36	MP4B	Z	.249	.249	0	%100
37	MP3B	X	-.43	-.43	0	%100
38	MP3B	Z	.249	.249	0	%100
39	MP2B	X	-.43	-.43	0	%100
40	MP2B	Z	.249	.249	0	%100
41	MP1B	X	-.43	-.43	0	%100
42	MP1B	Z	.249	.249	0	%100
43	M52	X	-.51	-.51	0	%100
44	M52	Z	.294	.294	0	%100
45	M53	X	-.127	-.127	0	%100
46	M53	Z	.074	.074	0	%100
47	M54	X	-.127	-.127	0	%100
48	M54	Z	.074	.074	0	%100
49	M58	X	-.499	-.499	0	%100
50	M58	Z	.288	.288	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.499	-.499	0	%100
54	M60	Z	.288	.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
55	M63	X	-.286	-.286	0	%100
56	M63	Z	.165	.165	0	%100
57	M64	X	-.286	-.286	0	%100
58	M64	Z	.165	.165	0	%100
59	M81	X	-1.145	-1.145	0	%100
60	M81	Z	.661	.661	0	%100
61	M82	X	-1.145	-1.145	0	%100
62	M82	Z	.661	.661	0	%100
63	M85	X	-.286	-.286	0	%100
64	M85	Z	.165	.165	0	%100
65	M86	X	-.286	-.286	0	%100
66	M86	Z	.165	.165	0	%100
67	M91	X	-.907	-.907	0	%100
68	M91	Z	.524	.524	0	%100
69	M92	X	-.907	-.907	0	%100
70	M92	Z	.524	.524	0	%100
71	M80A	X	-.141	-.141	0	%100
72	M80A	Z	.081	.081	0	%100
73	M80B	X	-.141	-.141	0	%100
74	M80B	Z	.081	.081	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-.563	-.563	0	%100
80	M81B	Z	.325	.325	0	%100
81	M82B	X	-.563	-.563	0	%100
82	M82B	Z	.325	.325	0	%100
83	M85A	X	-.907	-.907	0	%100
84	M85A	Z	.524	.524	0	%100
85	M86A	X	-.907	-.907	0	%100
86	M86A	Z	.524	.524	0	%100
87	M87	X	-.141	-.141	0	%100
88	M87	Z	.081	.081	0	%100
89	M88	X	-.141	-.141	0	%100
90	M88	Z	.081	.081	0	%100
91	M93	X	-.281	-.281	0	%100
92	M93	Z	.162	.162	0	%100
93	M91A	X	-.281	-.281	0	%100
94	M91A	Z	.162	.162	0	%100
95	M93A	X	-1.124	-1.124	0	%100
96	M93A	Z	.649	.649	0	%100
97	M95	X	-1.124	-1.124	0	%100
98	M95	Z	.649	.649	0	%100
99	M97	X	-.281	-.281	0	%100
100	M97	Z	.162	.162	0	%100
101	M99	X	-.281	-.281	0	%100
102	M99	Z	.162	.162	0	%100
103	M104	X	-1.124	-1.124	0	%100
104	M104	Z	.649	.649	0	%100
105	M105	X	-.281	-.281	0	%100
106	M105	Z	.162	.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
107	M106	X	-.281	-.281	0	%100
108	M106	Z	.162	.162	0	%100
109	M111	X	-.162	-.162	0	%100
110	M111	Z	.094	.094	0	%100
111	M112	X	-.619	-.619	0	%100
112	M112	Z	.357	.357	0	%100
113	M119	X	-.147	-.147	0	%100
114	M119	Z	.085	.085	0	%100
115	M120	X	-.147	-.147	0	%100
116	M120	Z	.085	.085	0	%100
117	M127	X	-.619	-.619	0	%100
118	M127	Z	.357	.357	0	%100
119	M128	X	-.162	-.162	0	%100
120	M128	Z	.094	.094	0	%100
121	M128A	X	-.43	-.43	0	%100
122	M128A	Z	.249	.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-.514	-.514	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-.514	-.514	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-.514	-.514	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-.514	-.514	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.514	-.514	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-.568	-.568	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.385	-.385	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-.514	-.514	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-.514	-.514	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-.514	-.514	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-.514	-.514	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-.514	-.514	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-.568	-.568	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-.385	-.385	0	%100
32	M36	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
33	MP5B	X	-.514	-.514	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-.514	-.514	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-.514	-.514	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-.514	-.514	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.514	-.514	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-.442	-.442	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.442	-.442	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-.769	-.769	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-.192	-.192	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.192	-.192	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-.991	-.991	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-.991	-.991	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-.991	-.991	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-.991	-.991	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-1.397	-1.397	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-1.397	-1.397	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-.349	-.349	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-.349	-.349	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-.488	-.488	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-.488	-.488	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.349	-.349	0	%100
84	M85A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
85	M86A	X	-.349	-.349	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-.488	-.488	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-.488	-.488	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-.973	-.973	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-.973	-.973	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-.973	-.973	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-.973	-.973	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-.973	-.973	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-.973	-.973	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-.545	-.545	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-.545	-.545	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.000139	-.000139	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-.527	-.527	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-.527	-.527	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.000139	-.000139	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-.514	-.514	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.164	-.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M2	X	-.111	-.111	0	%100
4	M2	Z	-.064	-.064	0	%100
5	MP5A	X	-.43	-.43	0	%100
6	MP5A	Z	-.249	-.249	0	%100
7	MP4A	X	-.43	-.43	0	%100
8	MP4A	Z	-.249	-.249	0	%100
9	MP3A	X	-.43	-.43	0	%100
10	MP3A	Z	-.249	-.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-.43	-.43	0	%100
12	MP2A	Z	-.249	-.249	0	%100
13	MP1A	X	-.43	-.43	0	%100
14	MP1A	Z	-.249	-.249	0	%100
15	M18	X	-.164	-.164	0	%100
16	M18	Z	-.095	-.095	0	%100
17	M19	X	-.111	-.111	0	%100
18	M19	Z	-.064	-.064	0	%100
19	MP5C	X	-.43	-.43	0	%100
20	MP5C	Z	-.249	-.249	0	%100
21	MP4C	X	-.43	-.43	0	%100
22	MP4C	Z	-.249	-.249	0	%100
23	MP3C	X	-.43	-.43	0	%100
24	MP3C	Z	-.249	-.249	0	%100
25	MP2C	X	-.43	-.43	0	%100
26	MP2C	Z	-.249	-.249	0	%100
27	MP1C	X	-.43	-.43	0	%100
28	MP1C	Z	-.249	-.249	0	%100
29	M35	X	-.656	-.656	0	%100
30	M35	Z	-.379	-.379	0	%100
31	M36	X	-.445	-.445	0	%100
32	M36	Z	-.257	-.257	0	%100
33	MP5B	X	-.43	-.43	0	%100
34	MP5B	Z	-.249	-.249	0	%100
35	MP4B	X	-.43	-.43	0	%100
36	MP4B	Z	-.249	-.249	0	%100
37	MP3B	X	-.43	-.43	0	%100
38	MP3B	Z	-.249	-.249	0	%100
39	MP2B	X	-.43	-.43	0	%100
40	MP2B	Z	-.249	-.249	0	%100
41	MP1B	X	-.43	-.43	0	%100
42	MP1B	Z	-.249	-.249	0	%100
43	M52	X	-.127	-.127	0	%100
44	M52	Z	-.074	-.074	0	%100
45	M53	X	-.51	-.51	0	%100
46	M53	Z	-.294	-.294	0	%100
47	M54	X	-.127	-.127	0	%100
48	M54	Z	-.074	-.074	0	%100
49	M58	X	-.499	-.499	0	%100
50	M58	Z	-.288	-.288	0	%100
51	M59	X	-.499	-.499	0	%100
52	M59	Z	-.288	-.288	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-.286	-.286	0	%100
56	M63	Z	-.165	-.165	0	%100
57	M64	X	-.286	-.286	0	%100
58	M64	Z	-.165	-.165	0	%100
59	M81	X	-.286	-.286	0	%100
60	M81	Z	-.165	-.165	0	%100
61	M82	X	-.286	-.286	0	%100
62	M82	Z	-.165	-.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
63	M85	X	-1.145	-1.145	0	%100
64	M85	Z	-.661	-.661	0	%100
65	M86	X	-1.145	-1.145	0	%100
66	M86	Z	-.661	-.661	0	%100
67	M91	X	-.907	-.907	0	%100
68	M91	Z	-.524	-.524	0	%100
69	M92	X	-.907	-.907	0	%100
70	M92	Z	-.524	-.524	0	%100
71	M80A	X	-.141	-.141	0	%100
72	M80A	Z	-.081	-.081	0	%100
73	M80B	X	-.141	-.141	0	%100
74	M80B	Z	-.081	-.081	0	%100
75	M79A	X	-.907	-.907	0	%100
76	M79A	Z	-.524	-.524	0	%100
77	M80C	X	-.907	-.907	0	%100
78	M80C	Z	-.524	-.524	0	%100
79	M81B	X	-.141	-.141	0	%100
80	M81B	Z	-.081	-.081	0	%100
81	M82B	X	-.141	-.141	0	%100
82	M82B	Z	-.081	-.081	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-.563	-.563	0	%100
88	M87	Z	-.325	-.325	0	%100
89	M88	X	-.563	-.563	0	%100
90	M88	Z	-.325	-.325	0	%100
91	M93	X	-.281	-.281	0	%100
92	M93	Z	-.162	-.162	0	%100
93	M91A	X	-.281	-.281	0	%100
94	M91A	Z	-.162	-.162	0	%100
95	M93A	X	-.281	-.281	0	%100
96	M93A	Z	-.162	-.162	0	%100
97	M95	X	-.281	-.281	0	%100
98	M95	Z	-.162	-.162	0	%100
99	M97	X	-1.124	-1.124	0	%100
100	M97	Z	-.649	-.649	0	%100
101	M99	X	-1.124	-1.124	0	%100
102	M99	Z	-.649	-.649	0	%100
103	M104	X	-.281	-.281	0	%100
104	M104	Z	-.162	-.162	0	%100
105	M105	X	-1.124	-1.124	0	%100
106	M105	Z	-.649	-.649	0	%100
107	M106	X	-.281	-.281	0	%100
108	M106	Z	-.162	-.162	0	%100
109	M111	X	-.619	-.619	0	%100
110	M111	Z	-.357	-.357	0	%100
111	M112	X	-.162	-.162	0	%100
112	M112	Z	-.094	-.094	0	%100
113	M119	X	-.162	-.162	0	%100
114	M119	Z	-.094	-.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
115	M120	X	-.619	-.619	0	%100
116	M120	Z	-.357	-.357	0	%100
117	M127	X	-.147	-.147	0	%100
118	M127	Z	-.085	-.085	0	%100
119	M128	X	-.147	-.147	0	%100
120	M128	Z	-.085	-.085	0	%100
121	M128A	X	-.43	-.43	0	%100
122	M128A	Z	-.249	-.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.284	-.284	0	%100
2	M1	Z	-.492	-.492	0	%100
3	M2	X	-.193	-.193	0	%100
4	M2	Z	-.334	-.334	0	%100
5	MP5A	X	-.232	-.232	0	%100
6	MP5A	Z	-.402	-.402	0	%100
7	MP4A	X	-.232	-.232	0	%100
8	MP4A	Z	-.402	-.402	0	%100
9	MP3A	X	-.232	-.232	0	%100
10	MP3A	Z	-.402	-.402	0	%100
11	MP2A	X	-.232	-.232	0	%100
12	MP2A	Z	-.402	-.402	0	%100
13	MP1A	X	-.232	-.232	0	%100
14	MP1A	Z	-.402	-.402	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-.232	-.232	0	%100
20	MP5C	Z	-.402	-.402	0	%100
21	MP4C	X	-.232	-.232	0	%100
22	MP4C	Z	-.402	-.402	0	%100
23	MP3C	X	-.232	-.232	0	%100
24	MP3C	Z	-.402	-.402	0	%100
25	MP2C	X	-.232	-.232	0	%100
26	MP2C	Z	-.402	-.402	0	%100
27	MP1C	X	-.232	-.232	0	%100
28	MP1C	Z	-.402	-.402	0	%100
29	M35	X	-.284	-.284	0	%100
30	M35	Z	-.492	-.492	0	%100
31	M36	X	-.193	-.193	0	%100
32	M36	Z	-.334	-.334	0	%100
33	MP5B	X	-.232	-.232	0	%100
34	MP5B	Z	-.402	-.402	0	%100
35	MP4B	X	-.232	-.232	0	%100
36	MP4B	Z	-.402	-.402	0	%100
37	MP3B	X	-.232	-.232	0	%100
38	MP3B	Z	-.402	-.402	0	%100
39	MP2B	X	-.232	-.232	0	%100
40	MP2B	Z	-.402	-.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
41	MP1B	X	-.232	-.232	0	%100
42	MP1B	Z	-.402	-.402	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.221	-.221	0	%100
46	M53	Z	-.382	-.382	0	%100
47	M54	X	-.221	-.221	0	%100
48	M54	Z	-.382	-.382	0	%100
49	M58	X	-.096	-.096	0	%100
50	M58	Z	-.166	-.166	0	%100
51	M59	X	-.384	-.384	0	%100
52	M59	Z	-.666	-.666	0	%100
53	M60	X	-.096	-.096	0	%100
54	M60	Z	-.166	-.166	0	%100
55	M63	X	-.496	-.496	0	%100
56	M63	Z	-.859	-.859	0	%100
57	M64	X	-.496	-.496	0	%100
58	M64	Z	-.859	-.859	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-.496	-.496	0	%100
64	M85	Z	-.859	-.859	0	%100
65	M86	X	-.496	-.496	0	%100
66	M86	Z	-.859	-.859	0	%100
67	M91	X	-.175	-.175	0	%100
68	M91	Z	-.302	-.302	0	%100
69	M92	X	-.175	-.175	0	%100
70	M92	Z	-.302	-.302	0	%100
71	M80A	X	-.244	-.244	0	%100
72	M80A	Z	-.422	-.422	0	%100
73	M80B	X	-.244	-.244	0	%100
74	M80B	Z	-.422	-.422	0	%100
75	M79A	X	-.699	-.699	0	%100
76	M79A	Z	-1.21	-1.21	0	%100
77	M80C	X	-.699	-.699	0	%100
78	M80C	Z	-1.21	-1.21	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.175	-.175	0	%100
84	M85A	Z	-.302	-.302	0	%100
85	M86A	X	-.175	-.175	0	%100
86	M86A	Z	-.302	-.302	0	%100
87	M87	X	-.244	-.244	0	%100
88	M87	Z	-.422	-.422	0	%100
89	M88	X	-.244	-.244	0	%100
90	M88	Z	-.422	-.422	0	%100
91	M93	X	-.487	-.487	0	%100
92	M93	Z	-.843	-.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
93	M91A	X	-.487	-.487	0	%100
94	M91A	Z	-.843	-.843	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-.487	-.487	0	%100
100	M97	Z	-.843	-.843	0	%100
101	M99	X	-.487	-.487	0	%100
102	M99	Z	-.843	-.843	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-.487	-.487	0	%100
106	M105	Z	-.843	-.843	0	%100
107	M106	X	-.487	-.487	0	%100
108	M106	Z	-.843	-.843	0	%100
109	M111	X	-.264	-.264	0	%100
110	M111	Z	-.457	-.457	0	%100
111	M112	X	-6.9e-5	-6.9e-5	0	%100
112	M112	Z	-.00012	-.00012	0	%100
113	M119	X	-.272	-.272	0	%100
114	M119	Z	-.472	-.472	0	%100
115	M120	X	-.272	-.272	0	%100
116	M120	Z	-.472	-.472	0	%100
117	M127	X	-6.9e-5	-6.9e-5	0	%100
118	M127	Z	-.00012	-.00012	0	%100
119	M128	X	-.264	-.264	0	%100
120	M128	Z	-.457	-.457	0	%100
121	M128A	X	-.232	-.232	0	%100
122	M128A	Z	-.402	-.402	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M127	Y	-.622	-5.011	0	1.02
2	M127	Y	-5.011	-9.026	1.02	2.041
3	M127	Y	-9.026	-7.89	2.041	3.061
4	M127	Y	-7.89	-2.154	3.061	4.081
5	M128	Y	-2.276	-4.352	0	.816
6	M128	Y	-4.352	-6.355	.816	1.632
7	M128	Y	-6.355	-7.931	1.632	2.449
8	M128	Y	-7.931	-7.05	2.449	3.265
9	M128	Y	-7.05	-4.063	3.265	4.081
10	M111	Y	-.622	-5.011	0	1.02
11	M111	Y	-5.011	-9.026	1.02	2.041
12	M111	Y	-9.026	-7.89	2.041	3.061
13	M111	Y	-7.89	-2.154	3.061	4.081
14	M112	Y	-2.276	-4.352	0	.816
15	M112	Y	-4.352	-6.355	.816	1.632
16	M112	Y	-6.355	-7.931	1.632	2.449
17	M112	Y	-7.931	-7.05	2.449	3.265
18	M112	Y	-7.05	-4.063	3.265	4.081

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
19	M119	Y	-.622	-5.011	0	1.02
20	M119	Y	-5.011	-9.026	1.02	2.041
21	M119	Y	-9.026	-7.89	2.041	3.061
22	M119	Y	-7.89	-2.154	3.061	4.081
23	M120	Y	-2.276	-4.352	0	.816
24	M120	Y	-4.352	-6.355	.816	1.632
25	M120	Y	-6.355	-7.931	1.632	2.449
26	M120	Y	-7.931	-7.05	2.449	3.265
27	M120	Y	-7.05	-4.063	3.265	4.081

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
1	M127	Y	-1.243	-10.023	0	1.02
2	M127	Y	-10.023	-18.052	1.02	2.041
3	M127	Y	-18.052	-15.779	2.041	3.061
4	M127	Y	-15.779	-4.308	3.061	4.081
5	M128	Y	-4.552	-8.705	0	.816
6	M128	Y	-8.705	-12.71	.816	1.632
7	M128	Y	-12.71	-15.862	1.632	2.449
8	M128	Y	-15.862	-14.099	2.449	3.265
9	M128	Y	-14.099	-8.126	3.265	4.081
10	M111	Y	-1.243	-10.023	0	1.02
11	M111	Y	-10.023	-18.052	1.02	2.041
12	M111	Y	-18.052	-15.779	2.041	3.061
13	M111	Y	-15.779	-4.308	3.061	4.081
14	M112	Y	-4.552	-8.705	0	.816
15	M112	Y	-8.705	-12.71	.816	1.632
16	M112	Y	-12.71	-15.862	1.632	2.449
17	M112	Y	-15.862	-14.099	2.449	3.265
18	M112	Y	-14.099	-8.126	3.265	4.081
19	M119	Y	-1.243	-10.023	0	1.02
20	M119	Y	-10.023	-18.052	1.02	2.041
21	M119	Y	-18.052	-15.779	2.041	3.061
22	M119	Y	-15.779	-4.308	3.061	4.081
23	M120	Y	-4.552	-8.705	0	.816
24	M120	Y	-8.705	-12.71	.816	1.632
25	M120	Y	-12.71	-15.862	1.632	2.449
26	M120	Y	-15.862	-14.099	2.449	3.265
27	M120	Y	-14.099	-8.126	3.265	4.081

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N189	N194	N193	N188	Y	Two Way	-5
2	N170	N171	N176	N175	Y	Two Way	-5
3	N180	N185	N184	N179	Y	Two Way	-5

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N189	N194	N193	N188	Y	Two Way	-10

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
2	N170	N171	N176	N175	Y	Two Way	-10
3	N180	N185	N184	N179	Y	Two Way	-10

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
No Data to Print ...												

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	...	LC	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
1	M60	HSS4X4X4	.262	5.187	17	.076	5.187	y	30	1246...	1395...	16.181	16.181	...	H1-1b
2	M59	HSS4X4X4	.258	5.187	9	.077	5.187	y	31	1246...	1395...	16.181	16.181	...	H1-1b
3	M58	HSS4X4X4	.250	5.188	13	.060	5.188	y	13	1246...	1395...	16.181	16.181	...	H1-1b

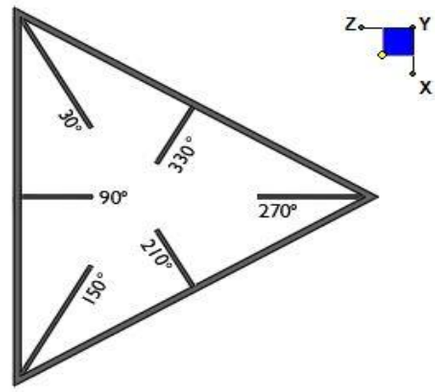
Client:	Verizon	Date:	5/8/2020
Site Name:	Hamden North 2 CT		
Project No.	20777089		
Title:	Antenna Mount Analysis	Page:	1

Version 3.

I. Mount-to-Tower Connection Check

RISA Model Data

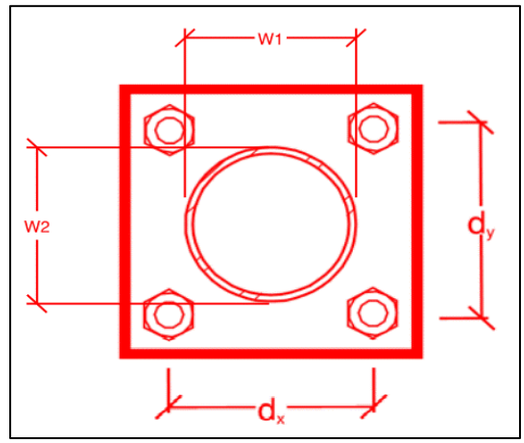
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N117A	270
N119	30
N121	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	15.8
Required Shear Strength (kips):	3.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**19.0%***
Shear Capacity Overall:	**6.6%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.40
Plate Bending Capacity:	**26.0%**
Weld Capacity:	**57.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	11.8
$Phi*Mn_{xx}$ *(kip-in)* :	45.6
Mu_{yy} *(kip-in)* :	0.0
$Phi*Mn_{yy}$ *(kip-in)* :	45.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut 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 **vzwpmi.testower.us** 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 equipment 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 equipment.
    - 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

- 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.

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 any other information the contractor deems necessary to share that was identified:

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

Structure: 467707-VZW - NE HAMDEN NORTH 2

Sector: **A**

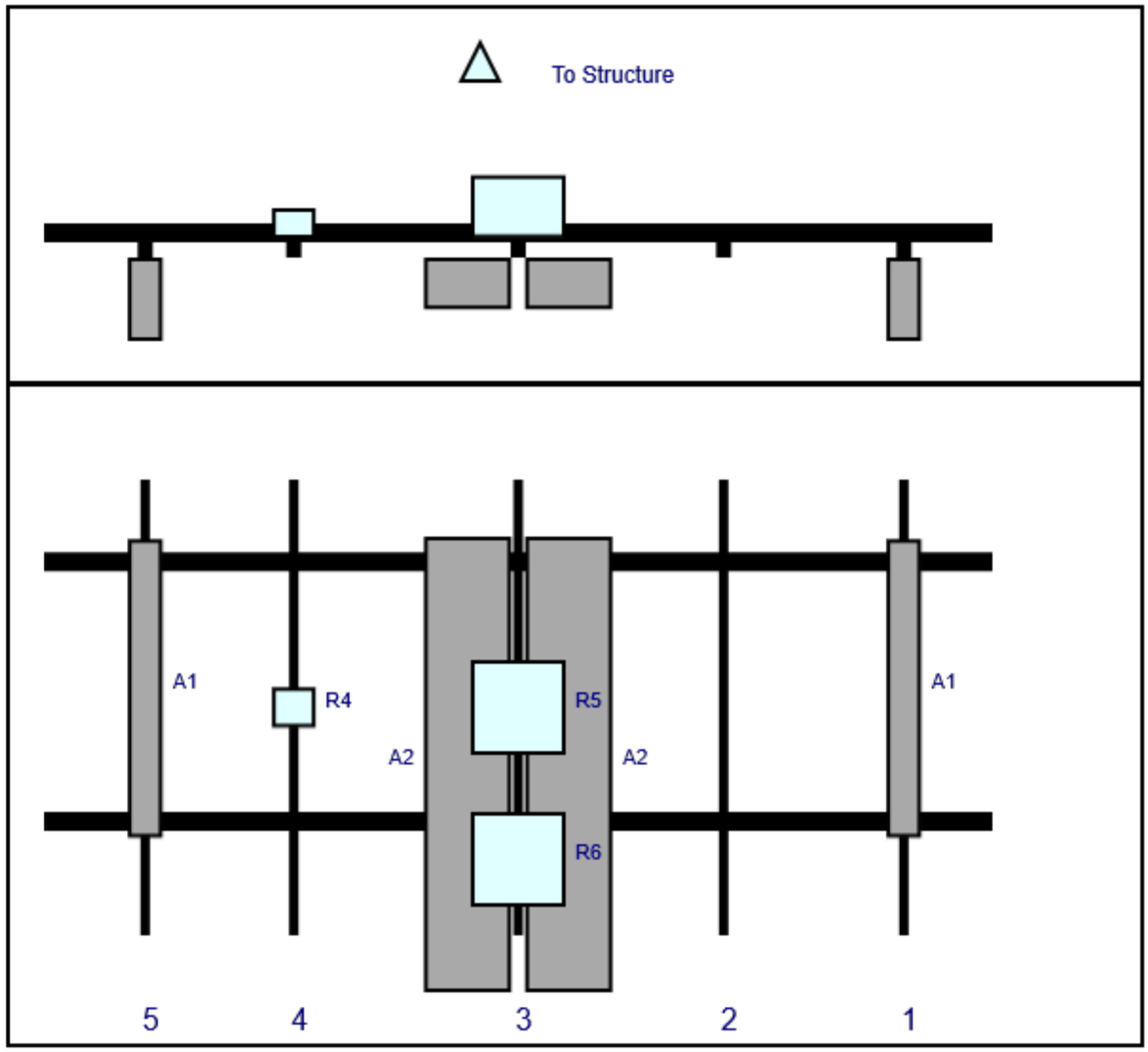
Structure Type: Monopole

Mount Elev: 147.000000

5/8/2020

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist From Left	Pipe #	Pipe Pos V	Antenna Pos	Center Ant From Top	Antenna H Offset	Status	Validation
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	None	
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	45	8	None	
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	45	-8	None	
R5	B2/B66A	15	15	75	3	a	Behind	36	0	None	
R6	B5/B13 RRH	15	15	75	3	a	Behind	60	0	None	
R4	CBC78T-DS-43	6.4	6.9	39.5	4	a	Behind	36	0	None	
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	None	

Sector: **B**

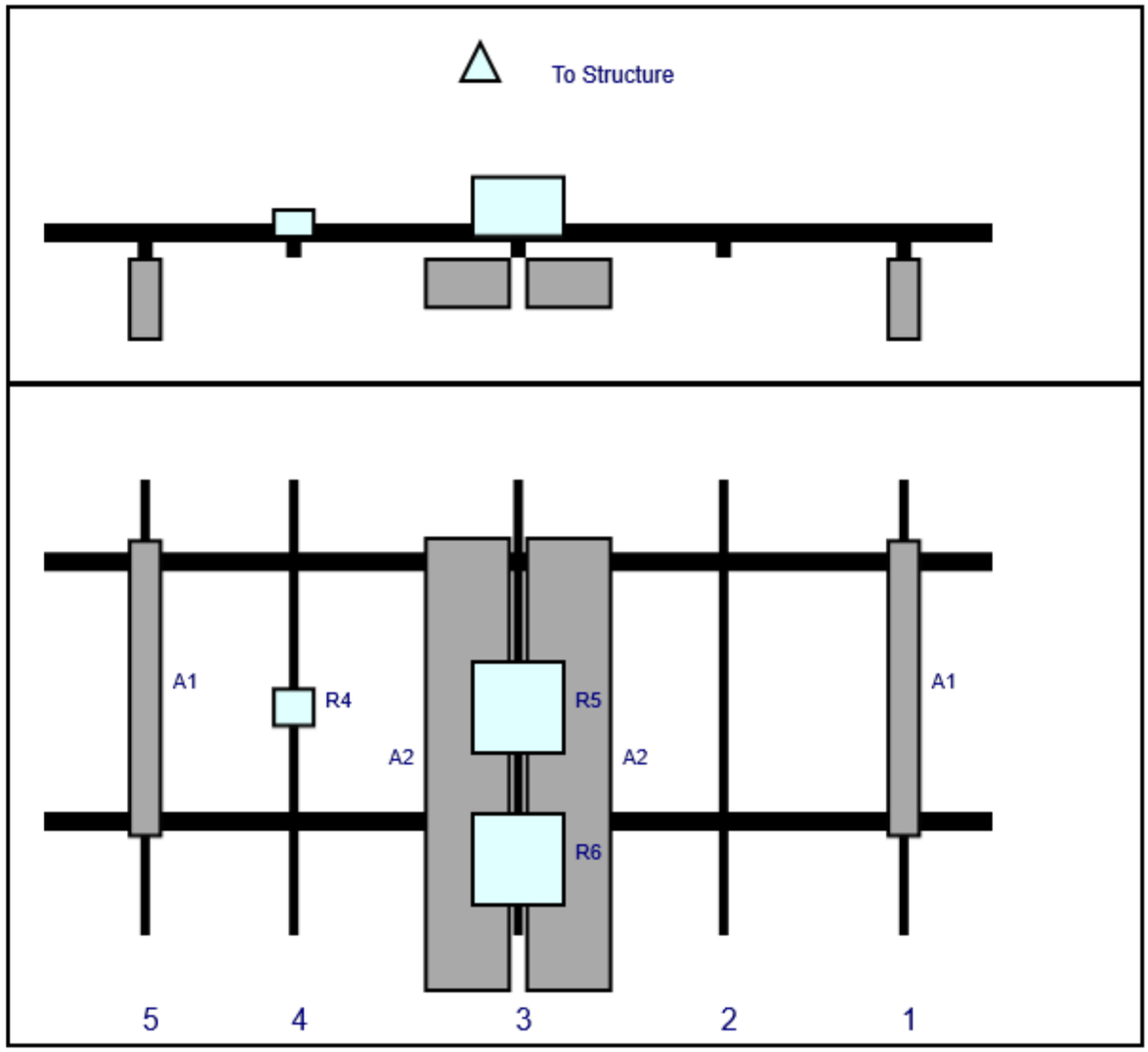
Structure Type: Monopole

Mount Elev: 147.000000

5/8/2020

Plan View

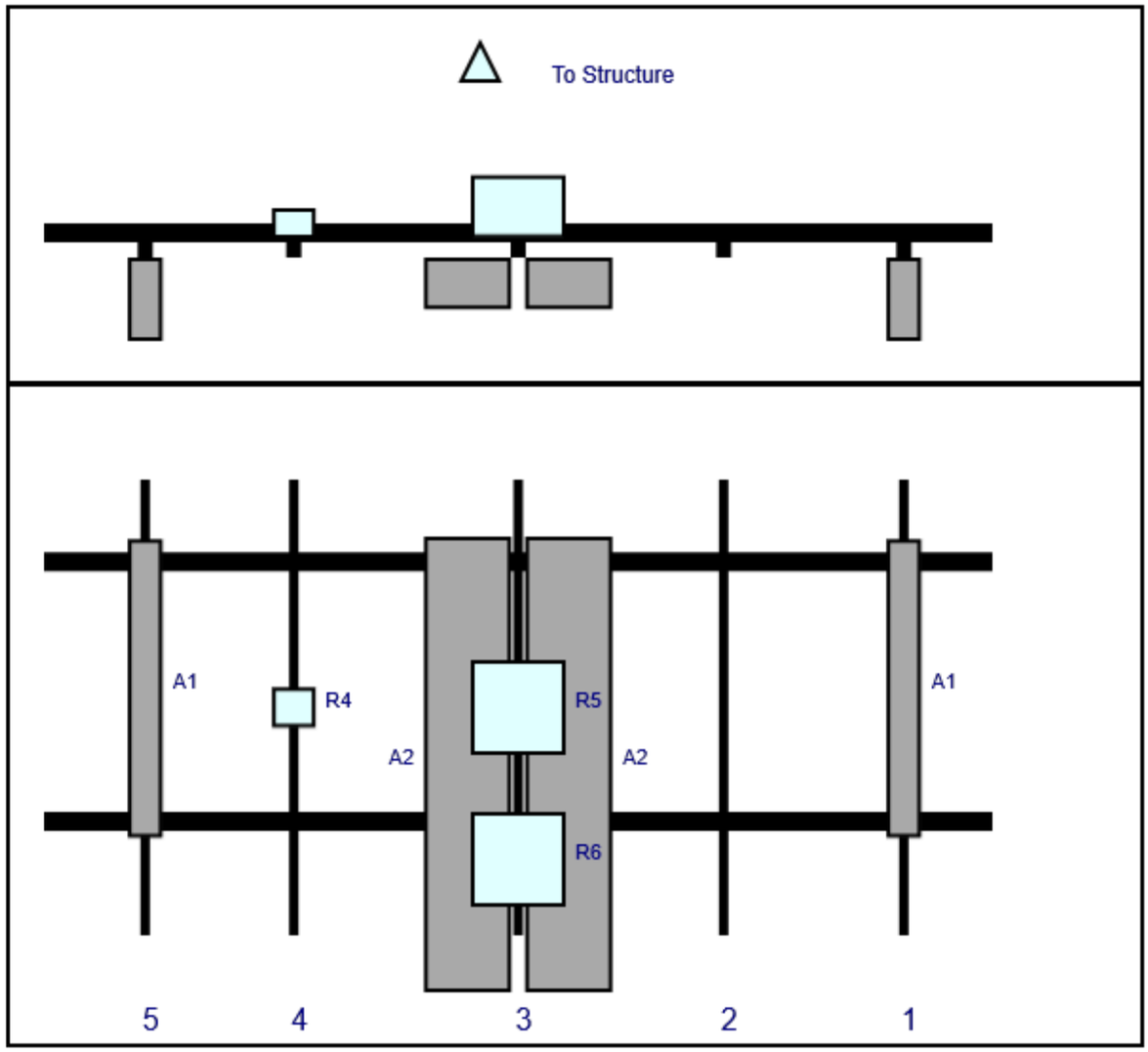
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist From Left	Pipe #	Pipe Pos V	Antenna Pos	Center Ant From Top	Antenna H Offset	Status	Validation
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	None	
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	45	8	None	
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	45	-8	None	
R5	B2/B66A	15	15	75	3	a	Behind	36	0	None	
R6	B5/B13 RRH	15	15	75	3	a	Behind	60	0	None	
R4	CBC78T-DS-43	6.4	6.9	39.5	4	a	Behind	36	0	None	
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	None	

Plan View

Front View
Looking at Structure

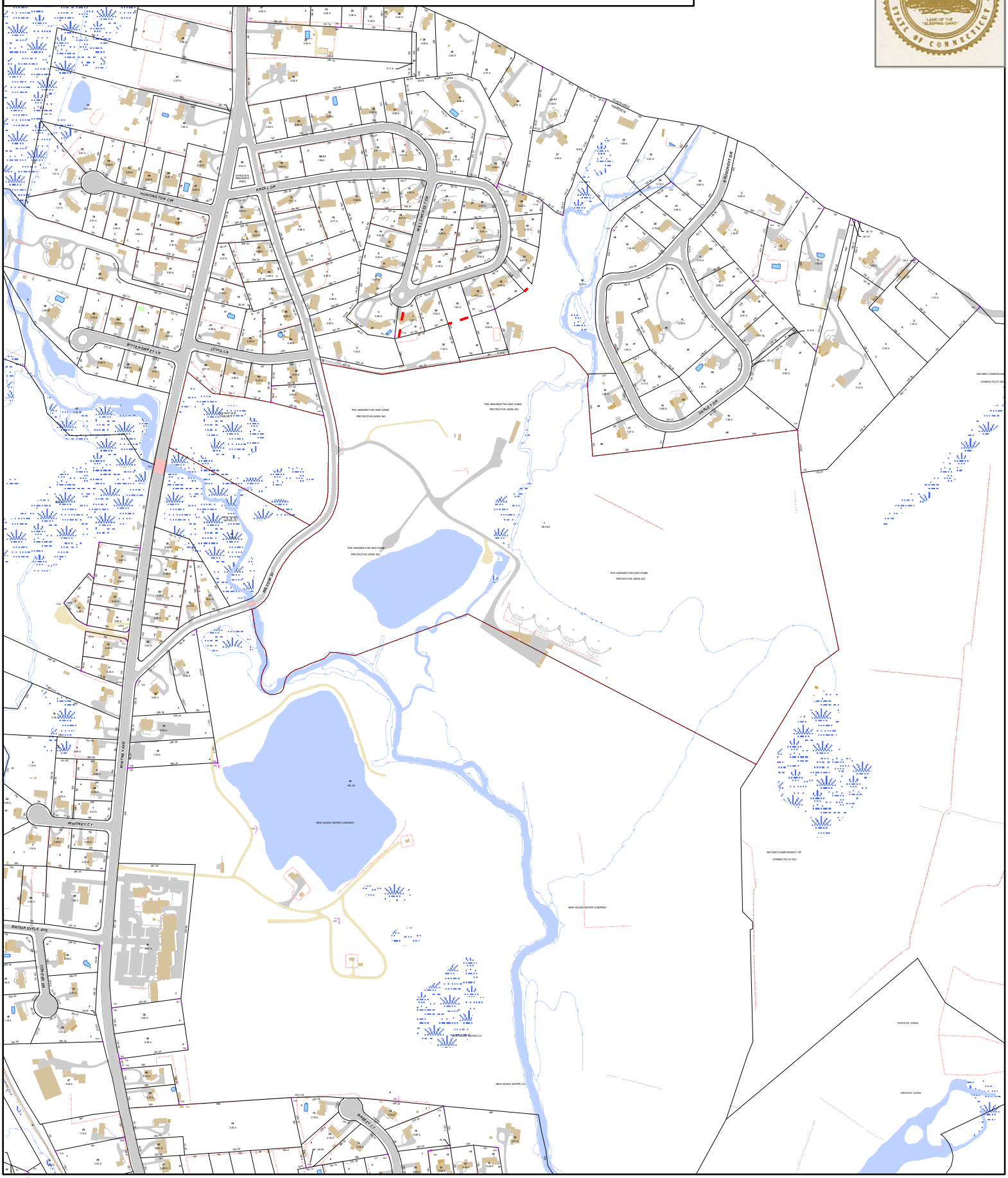


Ref#	Model	Height (in)	Width (in)	H Dist From Left	Pipe #	Pipe Pos V	Antenna Pos	Center Ant From Top	Antenna H Offset	Status	Validation
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	None	
A2	JAHH-65B-R3B	72	13.8	75	3	a	Front	45	8	None	
A2	JAHH-65B-R3B	72	13.8	75	3	b	Front	45	-8	None	
R5	B2/B66A	15	15	75	3	a	Behind	36	0	None	
R6	B5/B13 RRH	15	15	75	3	a	Behind	60	0	None	
R4	CBC78T-DS-43	6.4	6.9	39.5	4	a	Behind	36	0	None	
A1	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	None	

ATTACHMENT 6

Town of Hamden, Connecticut - Assessment Parcel Map

Parcel: 3430-001-00-0000 Address: 150 WILLOW ST



N

Approximate Scale: 1 inch = 600 feet

0 300 600 900 1,200 Feet

Map Produced: April 2019

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Hamden and its mapping contractors assume no legal responsibility for the information contained herein.

Town of Hamden, CT

Property Listing Report

Map Block Lot **3430-001-00-0000** Account

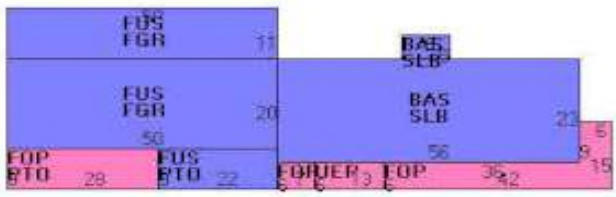
Property Information

Property Location	150 WILLOW ST
Owner	HAMDEN FISH & GAME PROTECTIVE AS
Co-Owner	
Mailing Address	P O BOX 5619 HAMDEN CT 06518-0619
Land Use	3850 FISH&GAME
Land Class	C
Zoning Code	T1
Census Tract	2
Sub Lot	
Neighborhood	130
Acreage	85.58
Lot Setting/Desc	Suburban Level
Survey Map	
Utilities	Public Water,Public Sewer,Gas/Electric
Additional Info	

Photo

3430-001-00-0000 04/23/2015

Sketch



Primary Construction Details

Year Built	0
Stories	
Building Style	
Building Use	
Building Condition	
Floors	Vinyl/Asphalt
Total Rooms	

Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	Gable/Hip
Roof Cover	Asphalt

Exterior Walls	Vinyl Siding
Interior Walls	K PINE/A WD
Heating Type	Forced Air-Duc
Heating Fuel	Oil
AC Type	
Gross Bldg Area	5759
Total Living Area	3081

Report Created On **8/4/2020**

Town of Hamden, CT

Property Listing Report | Map Block Lot **3430-001-00-0000** | Account

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	164900	115430
Extras	5300	3710
Outbuildings	17000	11900
Land	1172000	288530
Total	1359200	419570

Outbuilding and Extra Items

Type	Description
AIR CONDITIONING	1288.00 S.F.
FIREPLACE	1.00 UNITS
W/LOFT-AVG	576.00 S.F
FIREPLACE AVG	1.00 UNITS
SHED FRAME	740.00 S.F.
SHED COM MAS	64.00 S.F.
SHED COM MAS	360.00 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Upper Story, Finished	1748	1748
Garage	1550	0
Porch, Open	600	0
First Floor	1333	1333
Slab	0	0
Patio	450	0
Enclosed Porch, Unfinished	78	0
Total Area		0

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
HAMDEN FISH & GAME PROTECTIVE AS	232/ 49	10/10/1945	0

Report Created On **8/4/2020**

ATTACHMENT 7

UNITED STATES POSTAL SERVICE®

HAMDEN NORTH 2 CT

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, ESQUIRE ROBINSON & COLE LLP 280 TRUMBULL STREET HARTFORD, CT 06103	2	2	neopost 08/13/2020 US POSTAGE $002.84⁰ ZIP 06103 041L12203937
	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.	Curt B. Leng, Mayor Town of Hamden 2750 Dixwell Avenue Hamden, CT 06518				
2.	Daniel Kops, Town Planner Town of Hamden 2750 Dixwell Avenue Hamden, CT 06518				
3.					
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 AUG 13 2020 USPS