

April 18, 2024

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
3965 Congress Street, Fairfield, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas on an existing tower and associated equipment on the ground, near the base of the tower. The tower was approved by the Town of Fairfield in May of 1994. Cellco’s shared use of the tower was approved by the Siting Council (“Council”) in May of 2004 (EM-VER-051-040427). A copy of the Town’s tower approval and Council’s EM-VER-051-040427 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing three (3) antennas and installing three (3) new antennas and six (6) interference mitigation filters (“Filters”) on its existing antenna platform and antenna mounts. A set of project plans showing Cellco’s proposed facility modifications and the specifications for Cellco’s new antennas and Filters 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 Fairfield’s Chief Elected Official and Land Use Officer. The Town of Fairfield is the owner of the Property.

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

Melanie A. Bachman, Esq.

April 18, 2024

Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's new antennas and Filters will be installed at the same height on the 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 Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Included in [Attachment 3](#) is a Calculated Radio Frequency Emissions Report demonstrating that the proposed modified facility will comply with the FCC safety standards. The modified facility will be capable of providing Cellco's 5G wireless service.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, tower foundation and antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in [Attachment 4](#).

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

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

William Gerber, Fairfield First Selectman

James Wendt, Planning Director

Aleksey Tyurin

ATTACHMENT 1



Town of Fairfield
Town Planning and Zoning Department

Return

Zoning Compliance Permit

Hse Num: 3965 Street: Congress Street Map: 17D Parcel: 41 - Unit: 0000 Permit # 23333

Zone: AAA FIRM: Date: 05/25/1994 Occupancy/Use: per plans Receipt # 0

Description: 10' x 30' equipment shelter + 150' antenna

Applicant: Fairfield Town Of

State Fee: \$30.00

Town Fee: \$50.00

Total: \$80.00

Print Date: 07/16/2019



Town of Fairfield
Town Planning and Zoning Department
Zoning Compliance Permit

Return

Map: 170 Parcel: 41 Unit: 0000
Hse Num: 3965 Street: Congress Street
Zone: AAA FIRM: _____ Date: 05/27/1998 Occupancy/Use: per plans

Permit # 26288

Receipt # 0

State Fee: \$30.00

Town Fee: \$50.00

Total: \$80.00

Description: 9 1/2' x 11' concrete equipment pad & 8 new antennas on exist pole

Applicant: Town of Fairfield

Print Date: 07/16/2019



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

www.ct.gov/csc

May 21, 2004

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

RE: **EM-VER-051-040427** - Celco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 3965 Congress Street, Fairfield, Connecticut

Dear Attorney Baldwin:

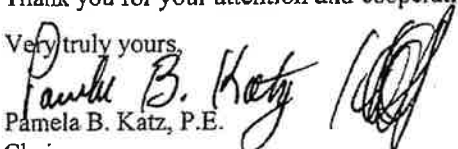
At a public meeting held on May 19, 2004, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the condition that the recommendations on pages three and four of the structural analysis report sealed by Jim Walker, P.E. be implemented prior to the antenna installation.

The proposed modifications are to be implemented as specified here and in your notice dated April 27, 2004. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,


Pamela B. Katz, P.E.

Chairman

PBK/laf

c: Honorable Kenneth A. Flatto, First Selectman, Town of Fairfield
Joseph E. Devonshuk, Town Planner, Town of Fairfield
Thomas F. Flynn III, Nextel Communications, Inc.
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Michele G. Briggs, Southwestern Bell Mobile Systems, LLC
Stephen J. Humes, Esq., LeBoeuf Lamb Greene & MacRae LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP

ATTACHMENT 2

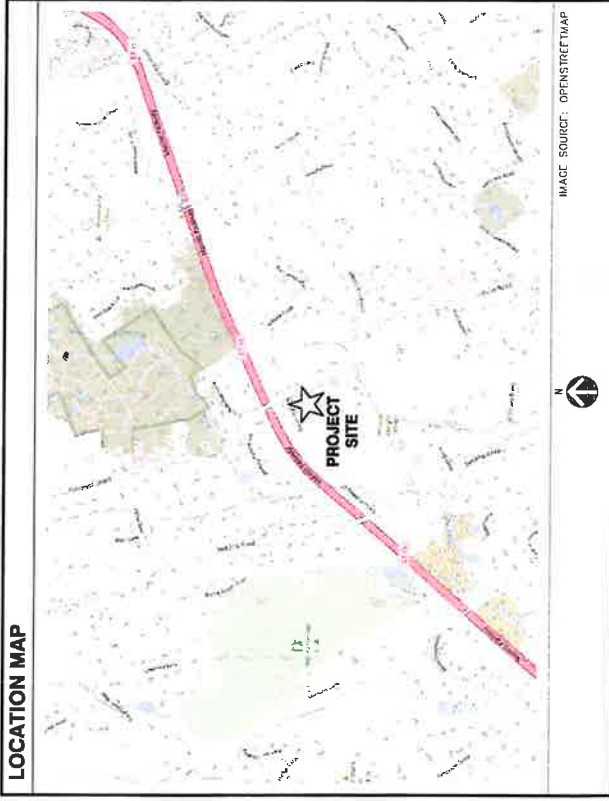
Verizon

FAIRFIELD_2_CT

3965 CONGRESS STREET
FAIRFIELD, CT 06824

LOCATION CODE (PSLC): 467147
FUZE ID: 16244167
2024 EQUIPMENT UPGRADE PROJECT
RFDS DATE: 09/21/23 REV4

LOCATION MAP



IMACC SOURCE: OPENSTREETMAP

GENERAL NOTES

- VERIFY COAX CONFIGURATION, ANTENNA CONFIGURATION, AND ANTENNA LOCATION WITH LATEST RF DATA SHEET PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SCHEDULE AND SEQUENCE ALL REQUIRED WORK WITH THE OWNER'S REPRESENTATIVE AND CONSTRUCTION MANAGER.
- EXISTING PRE-CONSTRUCTION CONDITIONS TO MATCH SATISFACTION OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE INSTALLATION AND CONSTRUCTION OF ALL ANTENNAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR THE WORK.
- ANTENNAS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN LOCAL ANTENNA INSTALLATION REGULATIONS, LOCAL ANTENNA HEIGHTS REGULATIONS, AND LOCAL ANTENNA INSTALLATION AND STRUCTURAL ALIGNMENTS AS APPLICABLE.
- INSTALL AND/OR REUSE (C) MOUNTING HARDWARE. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
- EQUIPMENT LOCATIONS AND CONDITIONS TO BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAME. ANY DISCREPANCIES OR APPROVALS SHALL BE SHOWN FOR CLARITY.
- APPROVALS DETAIL.
- THESE CONSTRUCTION DRAWINGS ARE CONCURRENT UPON A PASSING GLOBAL STRUCTURAL ANALYSIS INCLUDING ALL REQUIRED MODIFICATIONS AND INSPECTION REPORTS AS A RESULT THEREOF.

PROJECT SUMMARY

SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION FAIRFIELD_2_CT
SITE NAME:	FAIRFIELD_2_CT
LOCATION CODE (PSLC):	467147
FUZE PROJECT ID:	16244167
SITE ADDRESS:	3965 CONGRESS STREET FAIRFIELD, CT 06824
LATITUDE:	41° 11' 18.15" N (41.189574) N (RECORD SURVEY 1A)
LONGITUDE:	73° 17' 56.61" W (-73.299088) W (RECORD SURVEY 1A)
GROUND ELEVATION:	271'± AMSL (RECORD SURVEY 1A)
HIGHEST APPROXIMATE:	107'± AGE STRUCTURAL ANALYSIS (RECORD SURVEY 1A)
FACILITY:	MONOPOLIC
FACILITY OWNER:	TOWN OF FAIRFIELD
APPLICANT:	CELCO PARTNERSHIP
DESIGN/ENGINEER:	980 VERIZON WIRELESS FAIRFIELD, CT 06824
PROJECT OWNER:	2ND FLOOR WALLINGFORD, CT 06492
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC 4 DAY ROAD BUILDING A, SUITE 200 FAIRFIELD, MA 01035 (433)320-1916

SHEET INDEX

SHEET NO.	DESCRIPTION	REV.	REV. NO.
1-1	UTILITY SHEET		4
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A-2	EXISTING AND PROPOSED ANTENNA PLAN		4
D-1	DETAIL		4
X-1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)		4

SCOPE OF WORK

- (3) (3) PANEL ANTENNAS TO BE REMOVED
- (3) (3) DUAL RRR'S TO BE RELOCATED
- (3) (3) SAMSUNG MTR413-7/A ANTENNAS
- (3) (3) INTERFERENCE MITIGATION FILTER, KASLOS (P/N 53504)
- (3) (3) F2 SC440, 72" LONG ANTENNA PIPES WITH MOUNTING HARDWARE
- (3) (3) DUAL SWIVI MOUNT KITS, VALMONT SITE PRO 1 (P/N 170030)
- (3) (3) VALMONT (P/N) SUMMARY IN 5035 (DATED 09/21/23 REV4) FOR FURTHER INFORMATION

STRUCTURAL NOTES

GLOBAL TOWER STRUCTURAL ANALYSIS REPORT:
PASSING DESIGN - NO MODIFICATIONS REQUIRED
BY CENTEK ENGINEERING FABRIE, CENTER PROJECT
NO. 22115.01 DATED 01/03/24 REV. 3

LOCAL ANTENNA MOUNT ANALYSIS REPORT:
PASSING REPORT - HARDWARE UPGRADE & PM REQUIRED
BY COLLIER'S ENGINEERING & DESIGN C.T. P.C. DATED
10/25/23 REV.4

REQUIREMENTS
-CONTRACTOR SHALL INSTALL THE PROPOSED FILTER UNITS ON NEW SITE PRO 1 DUAL SWIVL MOUNT KIT (PARTS LISTED OR FOR APPROVED EQUIVALENT) IN THE EXISTING POSITION.
-CONTRACTOR SHALL INSTALL A NEW 72" LONG P3 SC440 MOUNT PIPE IN NEW POSITION 3 IN ALL SECTORS ON THE EXISTING PIPE SUPPORT CONNECTION PLATE LOCATION, APPROXIMATELY 2" FROM THE NEW POSITION (EXISTING POSITION 3).
-CONTRACTOR SHALL CONNECT PIPE TO EXISTING SUPPORT RAIL WITH NEW UTILIZING EXISTING MOUNTING PLATE HOLES TO CONNECT PIPE TO EXISTING SUPPORT RAIL WITH NEW MOUNTING PLATE HOLES.
-CONTRACTOR SHALL REMOVE EXISTING RACKS FROM POSITION 2 TO THE ADJACENT SECTOR POSITION 2. RACKS SHALL STILL SERVICE THE ADJACENT SECTOR LITE AND SHALL REMAIN TO BE RELOCATED TO PLACE MOUNT KITS AND TO POSITION 2. REFER TO PLACEMENT DIAGRAM AND TO POSITION 2.
-EXISTING COLLAR THREADED RODS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TRIM ALL ENDS WITH (2) COATS OF GOLD GROUND COAT.
-CONTRACTOR SHALL INSPECT CLIMBING FACILITIES AND SAFETY CLIMB, IF PRESENT, AND ENSURE THEY ARE IN GOOD CONDITION. CONTRACTOR SHALL INSTALL CLIMB WIRE TO EXISTING SUPPORT RAIL WITH WIRE IS RUBBER AGAINST THE MOUNT OR MOUNT TO THE SUPPORT RAIL STEEL. WIRE BRUSH CLEAN ANY OBSERVED CORROSION AND PROTECT WITH TWO (2) COATS OF GOLD GALVANIZATION (ZINCA OR ZINC NOTE). CONTRACTOR SHALL REMOVE ALL EXISTING WIRE FROM THE MOUNT AS PART OF PMI DOCUMENTS. CONTACT EOR IF ADDITIONAL GUIDANCE IS REQUIRED.

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS: <https://pmi.verizon.com>
SMART LOCK VENDOR PROJECT NUMBER: 10271522
NEW LOCATION CODE (PSLC): 467147
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY COLLIER'S ENGINEERING & DESIGN C.T. P.C. DATED 10/25/23 REV.4.
MOUNT MODIFICATIONS REQUIRED (Y/N): YES



BY	CHK	DATE	DESCRIPTION
JM	JM	08/14/21	PREPARED
JM	JM	11/30/21	REVISED
JM	JM	08/30/22	REVISED
JM	JM	09/08/22	REVISED
JM	JM	09/27/22	REVISED
JM	JM	09/27/22	REVISED
JM	JM	09/27/22	REVISED
JM	JM	09/27/22	REVISED



FAIRFIELD 2 CT
3965 CONGRESS STREET
FAIRFIELD, CT 06824
DATE PROJECT TO BE MAINT

T-1

Drawn by: Jesse Morelio
Checked by: PE
Date: 10/25/23

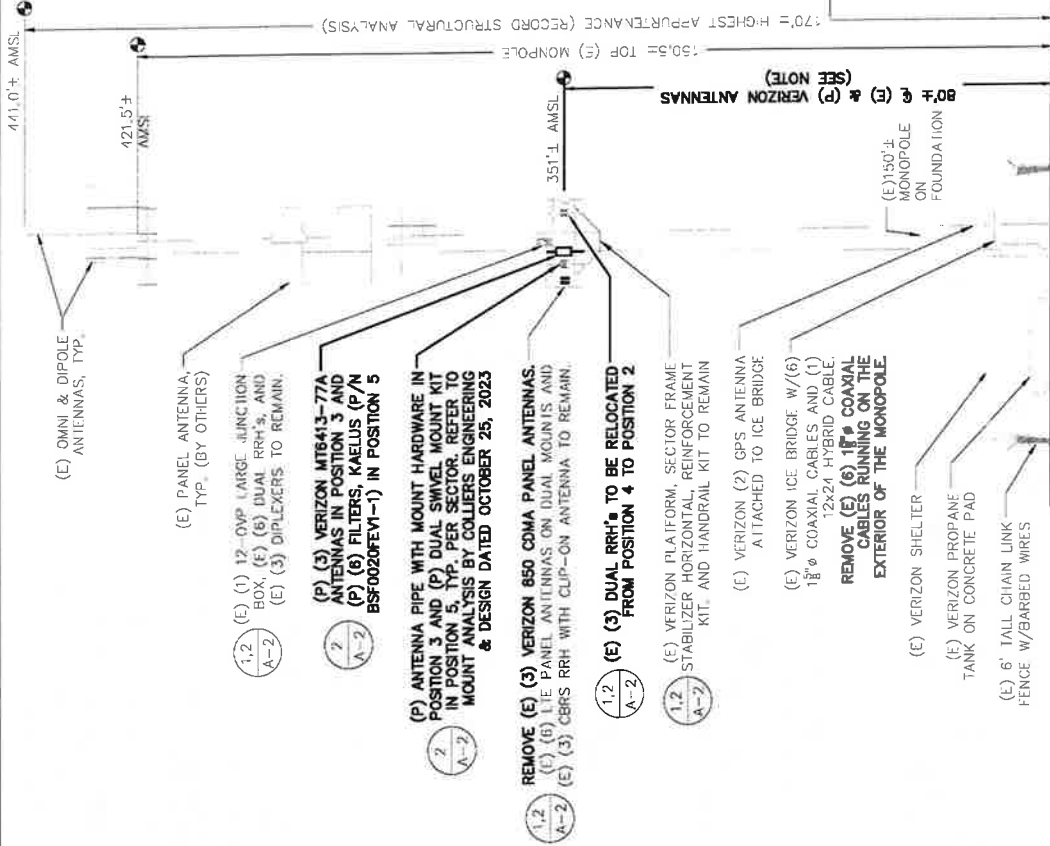
DATE	DESCRIPTION	BY	CHECKED
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11/30/21	REV RDS DAVE	DAVE	DAVE
08/30/22	REV RDS DAVE	DAVE	DAVE
07/18/23	REV RDS DAVE	DAVE	DAVE
08/09/23	REV RDS DAVE	DAVE	DAVE
09/10/24	REV RDS DAVE	DAVE	DAVE

REVISIONS



FAIRFIELD, CT
300 CONCORD STREET
HARTFORD, CT 06103
PUE PRODUCTS, INCORPORATED

A-1



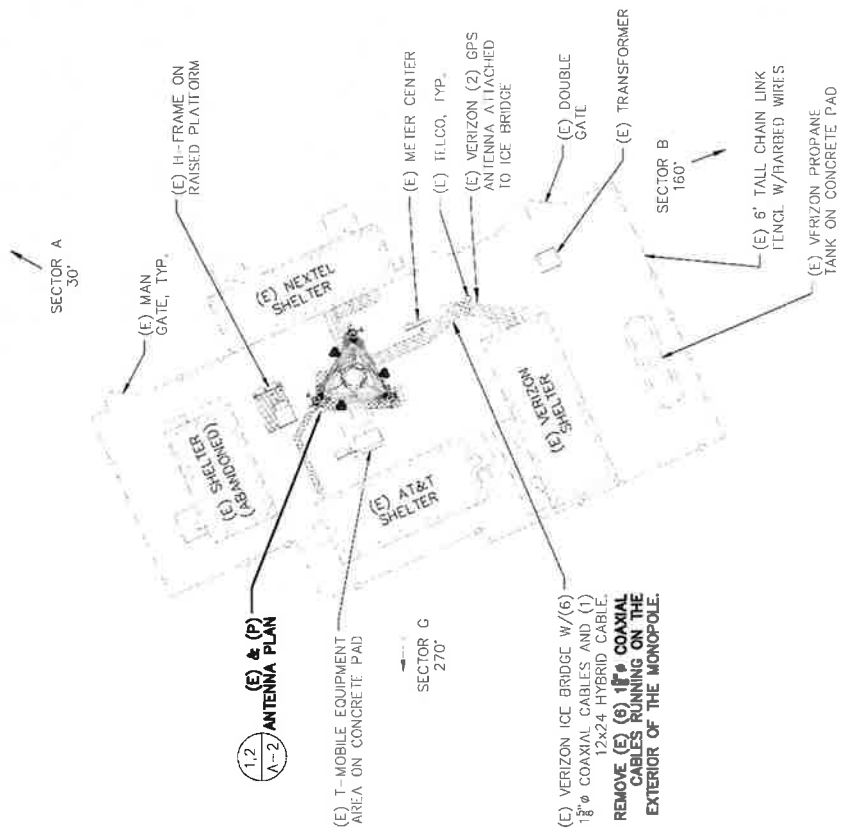
GROUND ELEVATION: 271'± AMSL
(RECORD VERIZON 1A/2C)

2
A-1

SOUTHEAST ELEVATION
SCALE: 1"=20' (11x17)

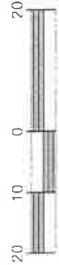


NOTE: AGL ELEVATIONS SHOWN HEREON FOR GENERAL REFERENCE ONLY. REFER TO LOCAL ANTENNA MOUNT ANALYSIS BY COLLIER'S ENGINEERING & DESIGN CT, P.C. AND SHEET X-1 FOR REQUIRED EQUIPMENT MOUNTING CONFIGURATION INCLUDING VERTICAL AND HORIZONTAL MOUNTING LOCATIONS LISTED IN TABLES. COORDINATE EQUIPMENT LOCATIONS AND ANY CONFLICTS WITH MASER CONSULTING.



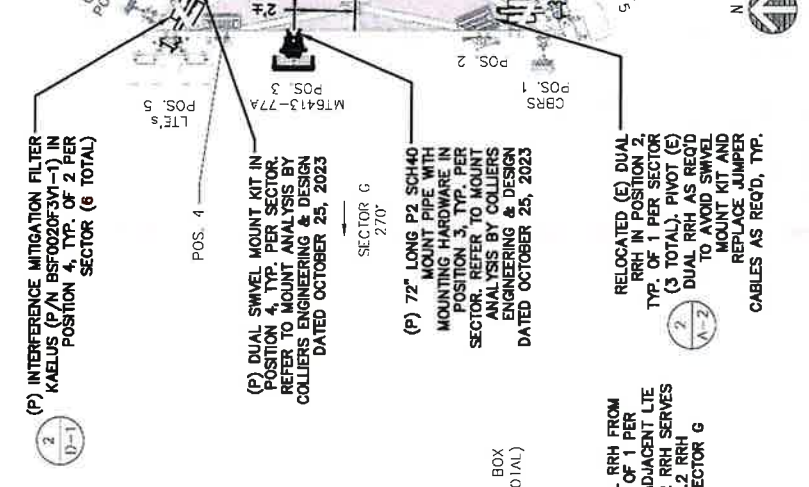
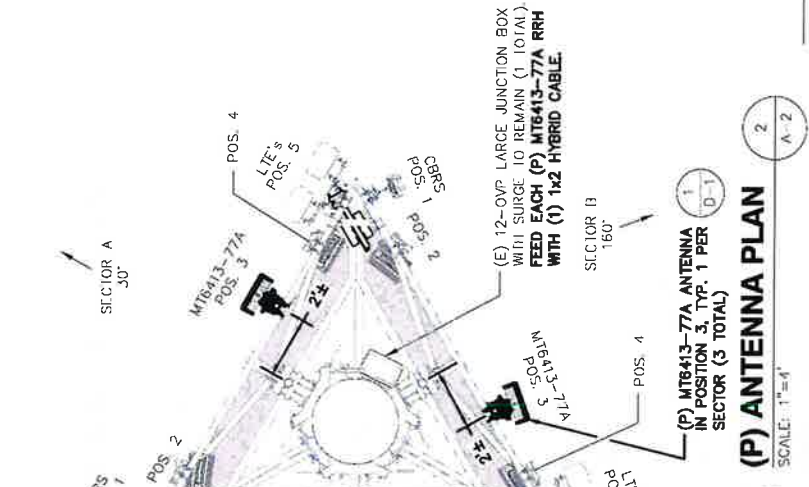
1
A-1

COMPOUND PLAN
SCALE: 1"=20' (11x17)



NO.	DATE	DESCRIPTION	BY	CHECKED
1	08/20/23	ISSUED FOR PERMITS	JAM	JAM
2	08/20/23	ISSUED FOR PERMITS	JAM	JAM
3	08/20/23	ISSUED FOR PERMITS	JAM	JAM
4	08/20/23	ISSUED FOR PERMITS	JAM	JAM
5	08/20/23	ISSUED FOR PERMITS	JAM	JAM
6	08/20/23	ISSUED FOR PERMITS	JAM	JAM
7	08/20/23	ISSUED FOR PERMITS	JAM	JAM
8	08/20/23	ISSUED FOR PERMITS	JAM	JAM
9	08/20/23	ISSUED FOR PERMITS	JAM	JAM
10	08/20/23	ISSUED FOR PERMITS	JAM	JAM

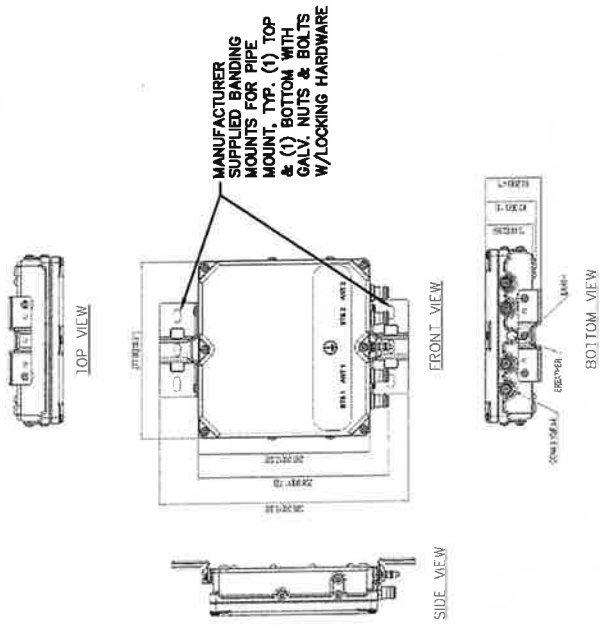
PROterra DESIGN GROUP, LLC
24805
1-10-2024



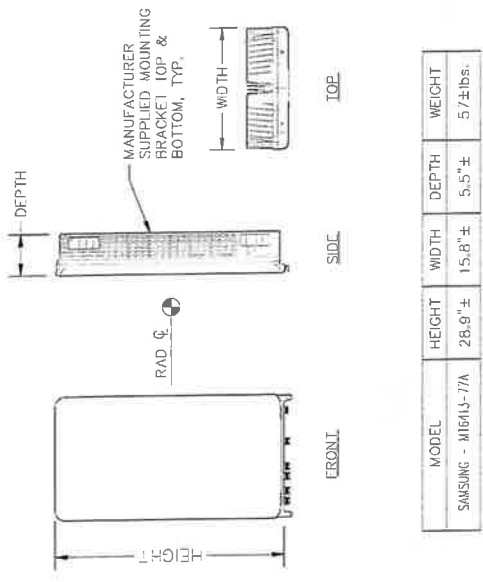
- MOUNT HARDWARE UPGRADE NOTE:** CONTRACTOR SHALL COMPLETE THE FOLLOWING REQUIREMENTS PER THE MOUNT ANALYSIS BY MASER CONSULTING DATED 10/25/23 REV.4.
- CONTRACTOR SHALL INSTALL THE PROPOSED FILTER UNITS ON NEW SITE PRO 1 DUAL SWIVEL MOUNT KIT (PART#: RRUDSM OR EOR APPROVED EQUIVALENT) IN THE LOCATION SHOWN IN THE PLACEMENT DIAGRAMS.
 - CONTRACTOR SHALL INSTALL A NEW 72" LONG P2 SCH40 MOUNT PIPE IN NEW POSITION 3 IN ALL SECTORS ON THE EXISTING PIPE SUPPORT CONNECTION PLATE LOCATION, APPROXIMATELY 24" FROM NEW POSITION 4 PIPE (EXISTING POSITION 3 PIPE). CONNECT PIPE TO EXISTING PLATE USING TWO (2) NEW 1/2" DIA. U-BOLTS UTILIZING EXISTING MOUNTING PLATE HOLES. CONNECT PIPE TO EXISTING SUPPORT RAIL WITH NEW VZWSMART-MSK1 CROSSOVER PLATES.
 - CONTRACTOR SHALL RELOCATE EXISTING RADIO FROM POSITION 4 TO THE ADJACENT SECTOR POSITION 2. RADIO SHALL STILL SERVICE THE ADJACENT SECTOR LITE ANTENNAS. REFER TO PLACEMENT DIAGRAMS AND TO CONSTRUCTION DRAWINGS BY PROTERRA DESIGN GROUP, DATED 01/10/24.
 - EXISTING THREADED RODS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE).
 - CONTRACTOR SHALL INSPECT CLIMBING FACILITIES AND SAFETY CLIMB, IF PRESENT, AND ENSURE THEY ARE IN GOOD CONDITION. CONTRACTOR SHALL INSTALL SAFETY CLIMB ROPE GUIDE IN LOCATIONS WHERE WIRE ROPE IS RUBBING AGAINST THE MOUNT OR MOUNT-TO-TOWER CONNECTION STEEL. WIRE BRUSH CLEAN ANY OBSERVED CORROSION AND PROTECT WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE). CONTRACTOR SHALL PROVIDE PHOTOS OF WIRE ROPE GUIDE INSTALLATION AS PART OF PMI DOCUMENTS. CONTACT EOR IF ADDITIONAL GUIDANCE IS REQUIRED.

REVISIONS

NO.	DATE	DESCRIPTION
1	08/14/21	REV RFD'S DATED 08/11/21
2	08/17/21	REV RFD'S DATED 08/17/21
3	08/30/21	REV RFD'S DATED 08/30/21
4	09/08/21	REV RFD'S DATED 09/08/21
5	09/10/21	REV RFD'S DATED 09/10/21



(P) FILTER DETAIL
 SCALE: NONE
 2
 D-1



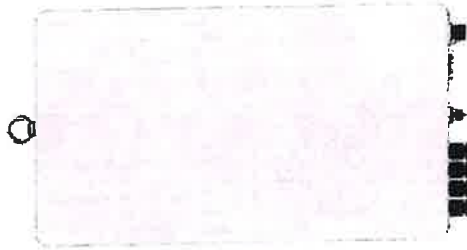
(P) L-SUB6 ANTENNA DETAIL
 SCALE: NONE
 2
 D-1

C-band 64T64R

Gen 2

SAMSUNG

Gen 2 : Higher conducted power ratio with reduced size/volume/weight vs Gen 1 and also SOC embedded for flexibility to support new features



* Preliminary Design: External appearance and mechanical design can be subject to change

Gen 2. 64T64R C-band MIMO Dimensions	
Size (WxHxD)	400 x 734 x 140 mm (15.75 x 28.90 x 5.51 inch)
Weight	26kg (57.3 lb)

Item	Gen 2. 64T64R (MT6413-77A)
Air Technology	NR n77/TDD
Frequency	3700 – 3980 MHz
IBW	200 MHz
OBW	200 MHz
Carrier Bandwidth	210MHz ready/40/60/80/100 MHz
# of Carriers	2 carriers
Layer	DL : 16L, UL : 16RX (8L)
RF Chain	64T64R
Antenna Configuration	4V16H with 192 AE
ERP	80.5 dBm @320W (55 dBm + 25.5 dB)
Conductive Power	320W
Spectrum Analyzer	TX/RX support
RX Sensitivity	Typical -97.8dBm @1Rx, 18.36MHz with 30kHz,51RBs
Modulation	DL 256QAM support, (DL 1024QAM with 1-2dB power back-off)
Function-Split	DL/UL option 7-2x
Input Power	-48 VDC (-36 VDC to -57 VDC)
Power Consumption	1,287W (100% load, room temp.)
Size (WHD)	400 x 734 x 140 mm (15.75 x 28.90 x 5.51 Inch)
Volume	41.1L
Weight	26kg (57.3 lb)
Operating Temperature	-40°C - 55°C (w/o solar load)
Cooling	Natural convection 3GPP 38.104
Unwanted Emission	FCC 47 CFR 27.53 : < -13dBm/MHz < -40 dBm/MHz @ above 4 GHz < -50 dBm /MHz @ 4.040 ~ 4.050 MHz < -50 dBm /MHz @ above 4.050 MHz
Optic Interface	15km, 4 ports (25Gbps x4), SFP28, single mode, Bi-di (Option: Duplex)
Mounting Options	Pole, wall
NB-toT	Not support
External Alarm	4RX
Fronthaul Interface	eCPRI

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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



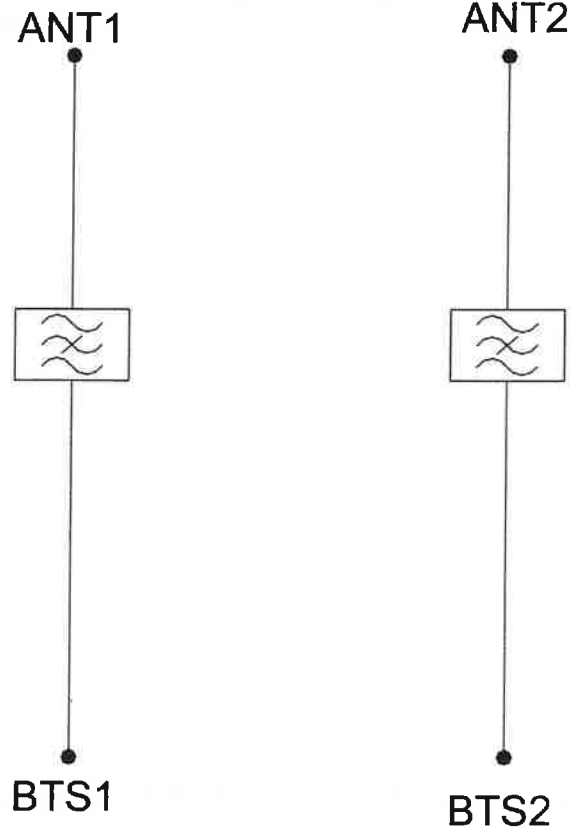
TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 649MHz	869 - 891.5MHz
Insertion loss	0,1dB typical / 0,3dB maximum	0,5dB typical, 1,45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894,1 - 896,5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0,3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25,461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4,1H, RoHS, NEBS GR-487-CORE	
MECHANICAL		
Dimensions H x D x W	269 x 277 x 80mm 10,60 x 10,90 x 3,15in (Excluding brackets and connectors)	
Weight	8,0 kg 17,6 lbs (no bracket)	
Finish	Powder coated, light grey (RAL7035)	
Connectors	RF: 4,3-10 (F) x 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.	

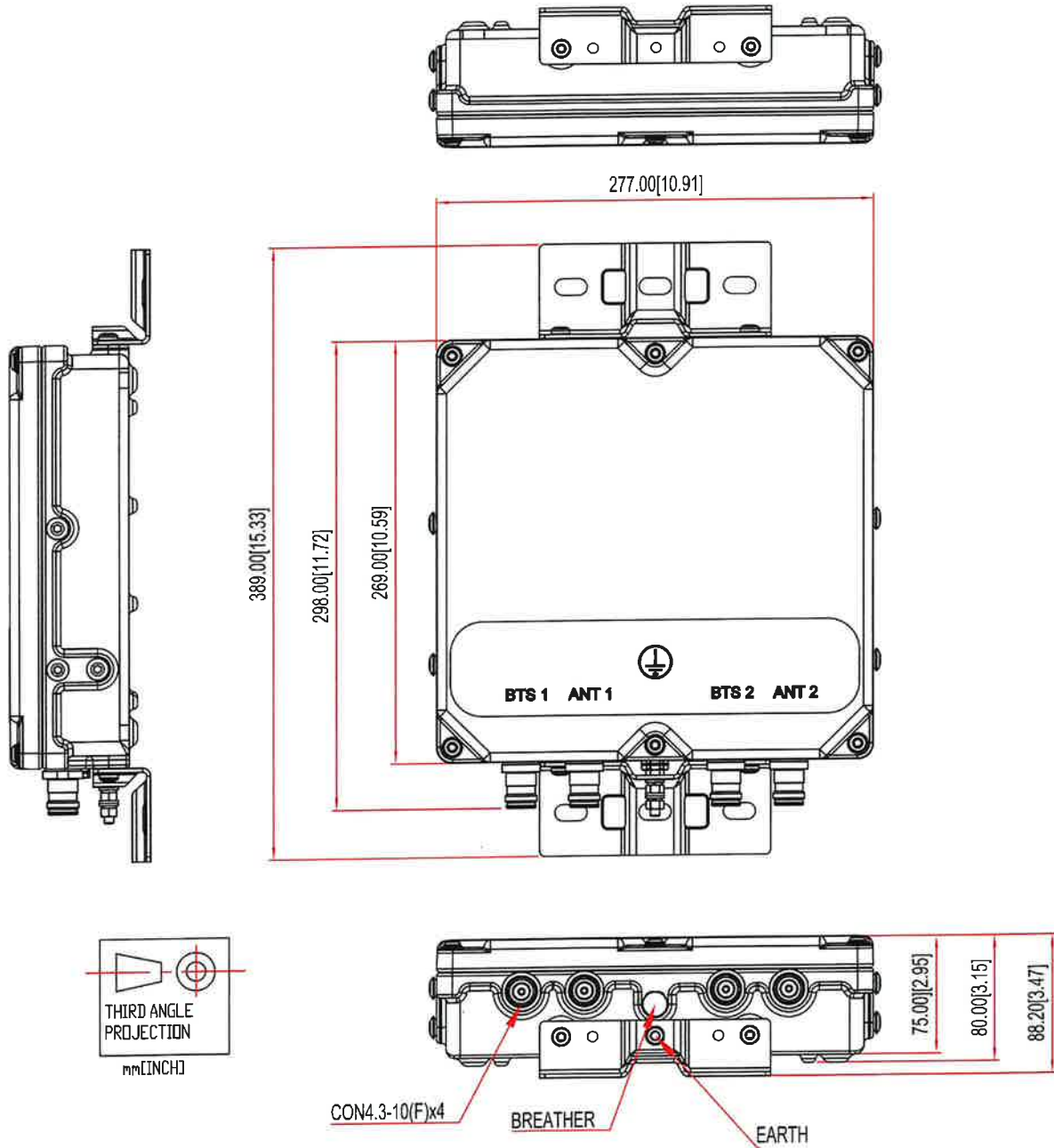
ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



C Squared Systems, LLC
65 Dartmouth Drive
Auburn, NH 03032
(603) 644-2800

support@csquaredsystems.com

Calculated Radio Frequency Emissions Report



Fairfield 2

3965 Congress Street, Fairfield, CT

April 17, 2024

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed modification of Verizon's antenna arrays mounted at 80' on an existing monopole tower located at 3965 Congress Street, Fairfield, CT. The coordinates of the tower are 41° 11' 18.15" N, 73° 17' 56.61" W.

Verizon is proposing the following:

- 1) Remove three (3) BXA-70063-6CF antennas, one (1) per sector and install three (3) MT6413-77A antennas, one (1) per sector to support its commercial LTE and 5G network.

This report considers the planned antenna configuration for Verizon¹ to derive the resulting %MPE of its proposed modification.

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter (mW/cm²). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment C of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment C contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

¹ As referenced to Verizon's Radio Frequency Design Sheet updated 09/21/2023.

3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

$$\text{Power Density} = \left(\frac{\text{GRF}^2 \times 1.64 \times \text{ERP}}{4\pi \times R^2} \right) \times \text{Off Beam Loss}$$

Where:

EIRP = Effective Isotropic Radiated Power

R = Radial Distance = $\sqrt{H^2 + V^2}$

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Off Beam Loss is determined by the selected antenna patterns

Ground reflection factor (GRF) of 1.6

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. The calculations assume even terrain in the area of study and do not take into account actual terrain elevations which could attenuate the signal. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the final installations.

4. Antenna Inventory

Table 1 below outlines Verizon’s proposed antenna configuration for the site. The associated data sheets and antenna patterns for these specific antenna models are included in Attachments C.

Operator	Sector / Azimuth	TX Freq (MHz)	Power at Antenna (Watts)	Ant Gain (dBi)	Power EIRP (Watts)	Antenna Model	Beam Width	Mech Tilt	Length (ft)	Antenna Centerline Height (ft)
Verizon	Alpha / 30°	750	160	14.75	4776	JAHH-65B-R3B	67	0	8	80
		850	160	15.15	5237		65			
		1900	160	16.25	6747		63			
		2100	240	17.35	13038		65			
		3700	320	25.5	113540	MT6413-77A	-	0	3.42	80
		3500	3.95	12.85	54.56	XXDWMM-12.5-65	65	0	1.3	80
	Beta / 160°	750	160	14.75	4776	JAHH-65B-R3B	67	0	8	80
		850	160	15.15	5237		65			
		1900	160	16.25	6747		63			
		2100	240	17.35	13038		65			
		3700	320	25.5	113540	MT6413-77A	-	0	3.42	80
		3500	3.95	12.85	54.56	XXDWMM-12.5-65	65	0	1.3	80
	Gamma / 270°	750	160	14.75	4776	JAHH-65B-R3B	67	0	8	80
		850	160	15.15	5237		65			
		1900	160	16.25	6747		63			
		2100	240	17.35	13038		65			
		3700	320	25.5	113540	MT6413-77A	-	0	3.42	80
		3500	3.95	12.85	54.56	XXDWMM-12.5-65	65	0	1.3	80

Table 1: Proposed Antenna Inventory²³

² Antenna heights are in reference to Verizon’s Radio Frequency Design Sheet updated 09/21/2023.

³ Transmit power assumes 0 dB of cable loss.

5. Calculation Results

The calculated power density results are shown in Figure 1 below. For completeness, the calculations for this analysis range from 0 feet horizontal distance (directly below the antennas) to a value of 3,000 feet horizontal distance from the site. In addition to the other worst-case scenario considerations that were previously mentioned, the power density calculations to each horizontal distance point away from the antennas was completed using a local maximum off beam antenna gain (within ± 5 degrees of the true mathematical angle) to incorporate a realistic worst-case scenario.

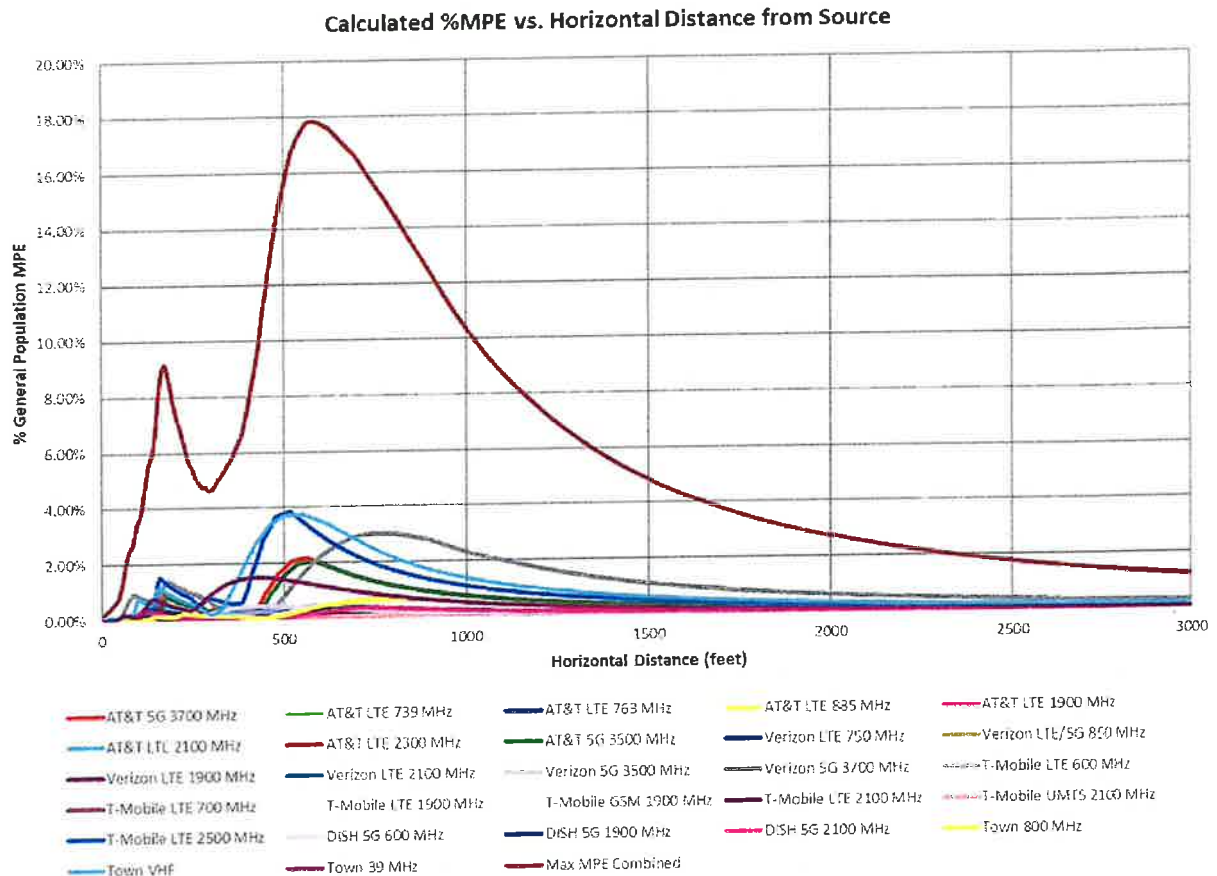


Figure 1: Graph of General Population % MPE vs. Distance

The highest percent of MPE (17.85% of the General Population limit) is calculated to occur at a horizontal distance of 581 feet from antennas. Please note that the percent of MPE calculations close to the site take into account off beam loss, which is determined from the vertical pattern of the antennas used. Therefore, RF power density levels may increase as the distance from the site increases. At distances of approximately 1500 feet and beyond, one would now be in the main beam of the antenna pattern and off beam loss is no longer considered. Beyond this point, RF levels become calculated solely on distance from the site and the percent of MPE decreases significantly as distance from the site increases.

Table 2 below lists percent of MPE values as well as the associated parameters that were included in the calculations. The highest percent of MPE value was calculated to occur at a horizontal distance of 581 feet from the site (reference Figure 1).

As stated in Section 3, all calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. In addition, a six foot height offset was considered in this analysis to account for average human height. As a result, the predicted signal levels are significantly higher than the actual signal levels will be from the final configuration. The results presented in Figure 1 and Table 2 assume level ground elevation from the base of the tower out to the horizontal distances calculated.

Carrier	Number of Transmitters	Power out of Base Station Per Transmitter (Watts)	Antenna Height (Feet)	Distance to the Base of Antennas (Feet)	Power Density (mW/cm ²)	Limit (mW/cm ²)	% MPE
AT&T 5G 3500 MHz	1	108.0	129.6	581	0.020604	1.000	2.06%
AT&T 5G 3700 MHz	1	108.0	126.1	581	0.020881	1.000	2.09%
AT&T LTE 1900 MHz	1	160.0	128.0	581	0.000508	1.000	0.05%
AT&T LTE 2100 MHz	1	240.0	128.0	581	0.000929	1.000	0.09%
AT&T LTE 2300 MHz	1	100.0	128.0	581	0.000601	1.000	0.06%
AT&T LTE 739 MHz	1	160.0	128.0	581	0.001603	0.493	0.33%
AT&T LTE 763 MHz	1	160.0	128.0	581	0.001489	0.509	0.29%
AT&T LTE 885 MHz	1	160.0	128.0	581	0.001489	0.590	0.25%
DISH 5G 1900 MHz	1	160.0	105.0	581	0.002417	1.000	0.24%
DISH 5G 2100 MHz	1	160.0	105.0	581	0.001789	1.000	0.18%
DISH 5G 600 MHz	1	120.0	105.0	581	0.001490	0.400	0.37%
T-Mobile GSM 1900 MHz	1	120.0	116.0	581	0.000555	1.000	0.06%
T-Mobile LTE 1900 MHz	1	240.0	116.0	581	0.003987	1.000	0.40%
T-Mobile LTE 2100 MHz	1	120.0	116.0	581	0.001510	1.000	0.15%
T-Mobile LTE 2500 MHz	1	160.0	116.0	581	0.031730	1.000	3.17%
T-Mobile LTE 600 MHz	1	140.0	116.0	581	0.001775	0.400	0.44%
T-Mobile LTE 700 MHz	1	60.0	116.0	581	0.000679	0.467	0.15%
T-Mobile UMTS 2100 MHz	1	60.0	116.0	581	0.000262	1.000	0.03%
Town 39 MHz	1	100.0	104.0	581	0.002432	0.200	1.22%
Town 800 MHz	3	100.0	149.0	581	0.002030	0.533	0.38%
Town VHF	3	100.0	104.0	581	0.007183	0.200	3.59%
Verizon 5G 3500 MHz	1	20.0	165.0	581	0.000206	1.000	0.02%
Verizon 5G 3700 MHz	1	320.0	165.0	581	0.020163	1.000	2.02%
Verizon LTE 1900 MHz	1	160.0	165.0	581	0.000096	1.000	0.01%
Verizon LTE 2100 MHz	1	240.0	165.0	581	0.000120	1.000	0.01%
Verizon LTE 750 MHz	1	160.0	165.0	581	0.000545	0.500	0.11%
Verizon LTE/5G 850 MHz	1	160.0	165.0	581	0.000457	0.567	0.08%
Total							17.85%

Table 2: Maximum Percent of General Population Exposure Values^{4,5,6}

⁴ Frequencies listed are representative of the operating band and are not the specific operating frequency.

⁵ The total % MPE listed is a summation of each unrounded contribution. Therefore, summing each rounded value may not reflect the total value listed in the table.

⁶ In the case where antenna pattern data was unavailable from the manufacturer, generic antenna pattern was used based on the frequency, bandwidth and gain of the antenna.

6. Conclusion

The above analysis verifies that RF exposure levels from the site with Verizon's proposed antenna configuration will be well below the maximum permissible levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Using the conservative calculation methods and parameters detailed above, the maximum cumulative percent of MPE in consideration of all transmitters is calculated to be **17.85 %** of the FCC limit (General Population/Uncontrolled). This maximum cumulative percent of MPE value is calculated to occur 581 feet away from the site.

7. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



Reviewed/Approved By: Martin Lavin
Senior RF Engineer
C Squared Systems, LLC

April 17, 2024
Date

Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

IEEE C95.1-2019, IEEE Standard Safety Levels With Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz IEEE-SA Standards Board

IEEE C95.3-2021, IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz-300 GHz IEEE-SA Standards Board

Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure⁷

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5	6

(B) Limits for General Population/Uncontrolled Exposure⁸

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz * Plane-wave equivalent power density

Table 3: FCC Limits for Maximum Permissible Exposure

⁷ Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

⁸ General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

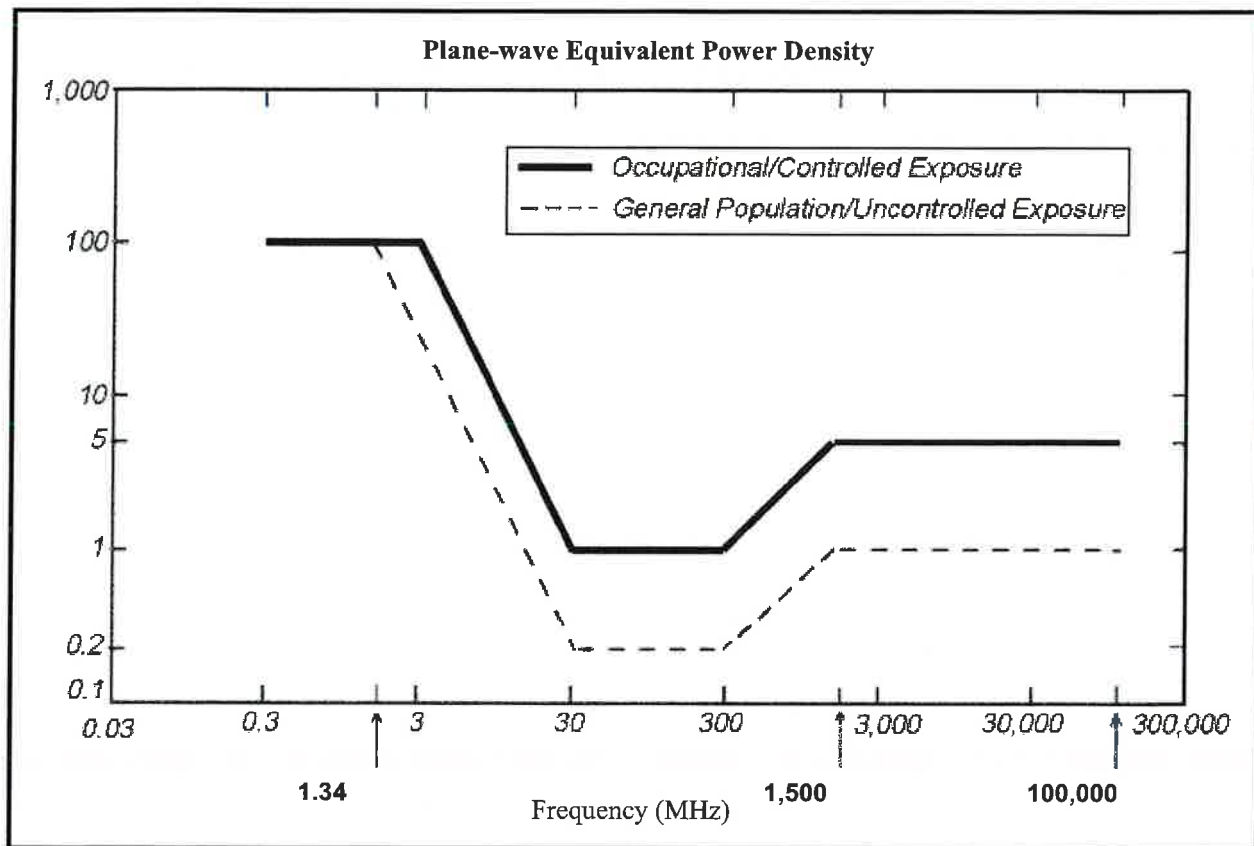
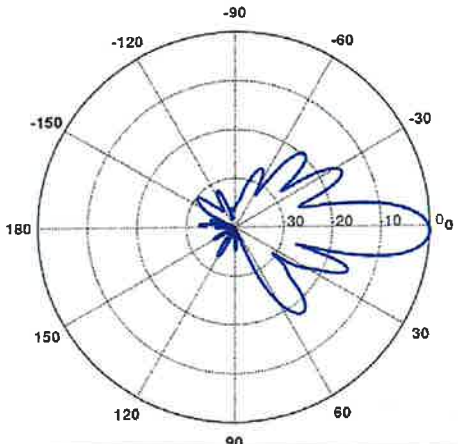
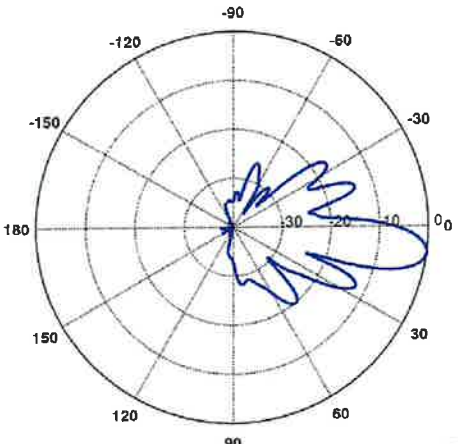
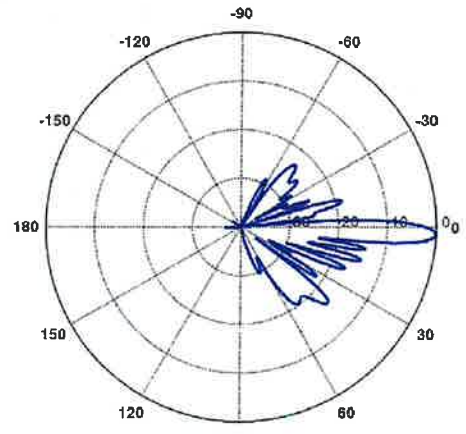
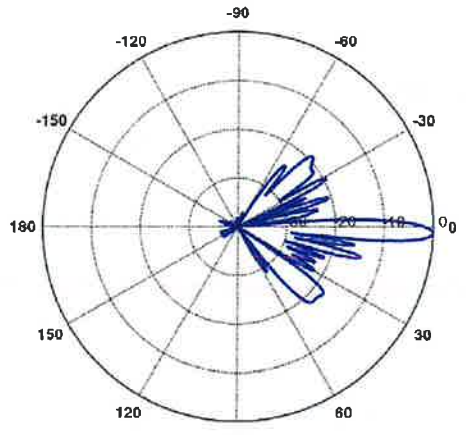


Figure 2: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

Attachment C: Verizon Antenna Model Data Sheets and Electrical Patterns

<p>750 MHz</p> <p>Manufacturer: COMMSCOPE Model #: JAHH-65B-R3B Frequency Band: 698-787 MHz Gain: 14.5 dBi Vertical Beamwidth: 12.4° Horizontal Beamwidth: 67° Polarization: ±45° Dimensions (L x W x D): 71.96" x 13.78" x 8.2"</p>	
<p>850 MHz</p> <p>Manufacturer: COMMSCOPE Model #: JAHH-65B-R3B Frequency Band: 824-894 MHz Gain: 15.8 dBi Vertical Beamwidth: 5.7° Horizontal Beamwidth: 65° Polarization: ±45° Dimensions (L x W x D): 71.96" x 13.78" x 8.2"</p>	

<p>1900 MHz</p> <p>Manufacturer: COMMSCOPE Model #: JAHH-65B-R3B Frequency Band: 1850-1990 MHz Gain: 18.4 dBi Vertical Beamwidth: 5.2° Horizontal Beamwidth: 63° Polarization: ±45° Dimensions (L x W x D): 71.96" x 13.78" x 8.2"</p>	 <p>A polar plot showing the radiation pattern for 1900 MHz. The plot is circular with concentric dashed lines representing gain levels and radial lines representing angles from 0 to 180 degrees. The main beam is centered at 0 degrees, extending to approximately 180 degrees. The beamwidth is narrow, consistent with the 5.2° vertical beamwidth specification.</p>
<p>2100 MHz</p> <p>Manufacturer: COMMSCOPE Model #: JAHH-65B-R3B Frequency Band: 1920-2200 MHz Gain: 18.5 dBi Vertical Beamwidth: 4.9° Horizontal Beamwidth: 65° Polarization: ±45° Dimensions (L x W x D): 71.96" x 13.78" x 8.2"</p>	 <p>A polar plot showing the radiation pattern for 2100 MHz. The plot is circular with concentric dashed lines representing gain levels and radial lines representing angles from 0 to 180 degrees. The main beam is centered at 0 degrees, extending to approximately 180 degrees. The beamwidth is narrow, consistent with the 4.9° vertical beamwidth specification.</p>

ATTACHMENT 4

Structural Analysis Report

150-ft Existing Valmont Monopole

*Proposed Verizon Wireless
Antenna Upgrade*

Verizon Site Ref: Fairfield 2

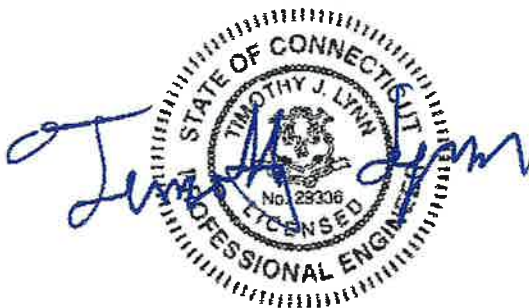
*3965 Congress Street
Fairfield, CT*

Centek Project No. 22115.01

~~Date: August 29, 2022~~

Rev 3: January 3, 2024

Max Stress Ratio = 65.9%



Prepared for:
Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

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Introduction

The purpose of this report is to summarize the results of the non-linear, P- Δ structural analysis of the antenna upgrade proposed by Verizon Wireless on the existing monopole (tower) located in Fairfield, CT.

The host tower is a 150-ft tall, three-section, twelve sided, tapered monopole, originally designed and manufactured by Valmont Structures. The manufacturer's drawings and calculations were unavailable for use in this report. The tower geometry, structure member sizes and foundation system information were obtained from a previous structural analysis report prepared by Centek Engineering job no; 22059.00 dated May 12, 2022.

Antenna and appurtenance information were obtained from the aforementioned structural analysis a previous structural analysis report prepared by Tectonic job no; 10710.NJJER01121A dated February 15, 2023 and a Verizon RF data sheet.

The tower is made up of three (3) tapered vertical sections consisting of A572-65 pole sections. The vertical tower sections are slip joint connected. The diameter of the pole (flat-flat) is 23.61-in at the top and 49.6-in at the base.

Antenna and Appurtenance Summary

The existing, proposed and future loads considered in this analysis consist of the following:

- TOWN (Existing/Relocated):
Antennas: One (1) DB810K Omni-directional whip antenna, two (2) 10-ft Dipole antennas, two (2) Andrew APSA685 Omni-directional whip antennas, one (1) DB-222 dipole antenna and one (1) PD1142-2B Omni-directional whip antenna mounted on the three (3) T-Arms at 149-ft above grade.
Coax Cables: Seven (7) 1-5/8" \varnothing coax cables running on the inside of the existing tower.
- AT&T (Existing/Reserved):
Antennas: Three (3) CCI OPA65R-BU6D panel antennas, three (3) CCI TPA65R-BU6D panel antennas, three (3) Ericsson AIR6449 panel antennas, three (3) Ericsson AIR6419 panel antennas, three (3) Ericsson 4478 RRHs, three (3) Ericsson 8843 RRHs, three (3) Ericsson 4449 RRHs, three (3) Ericsson 4415 RRHs and three (3) Raycap DC6-48-60-18-8F surge arrestors mounted on a platform (SitePro p/n RMQLP-4120-H10) with a RAD center elevation of 128-ft above grade.
Cables: Six (6) 1-1/4" \varnothing coax cables, two (2) fiber cables and four (4) dc control cables running on the exterior of the existing tower.
- T-MOBILE (Existing):
Antennas: Three (3) RFS APXV16DWV-16DWVS panel antennas and six (6) 10" by 8" by 3" TMAs mounted on a 13-ft platform with rails with a RAD center elevation of 116-ft above grade.
Coax Cables: Twelve (12) 1-5/8" \varnothing coax cables running on the exterior of the existing tower.

- **DISH (Existing):**
Antennas: Three (3) Commscope FFVV-65B-R2 panel antennas, three (3) Fujitsu TA08025-B604 radio heads, three (3) Fujitsu TA08025-B605 radio heads and one (1) Raycap RDIDC-9181-PF-48 mounted on a 8-ft platform with rails with a RAD center elevation of 105-ft above grade.
Coax Cables: One (1) hybrid cable running on the exterior of the existing tower.
- **UNKNOWN (Existing):**
Antennas: One (1) GPS antenna on a GPS Stand-off mount with a RAD center elevation of 40-ft above grade.
Coax Cables: One (1) 1/2"Ø coax cable running on the exterior of the existing tower.
- **VERIZON (Existing to Remain):**
Antennas: Six (6) Commscope JAHH-65B-R3B panel antennas, three (3) Samsung XXDWMM-12.5-65-8T panel antennas, three (3) Samsung B5/B13 RRHs, three (3) Samsung B2/B66 RRHs, three (3) CBRS RRHs, three (3) diplexers and one (1) main distribution mounted on an existing platform w/ handrail with a RAD center elevation of 80-ft above grade.
Coax Cables: One (1) 1-5/8" Ø fiber cable running on the exterior of the existing tower.
- **VERIZON (Existing to Remove):**
Antennas: Three (3) Antel BXA-70063-6CF panel antennas mounted on an existing platform w/ handrail with a RAD center elevation of 80-ft above grade.
Coax Cables: Six (6) 1-5/8" Ø coax cables running on the exterior of the existing tower.
- **VERIZON (PROPOSED):**
Antennas: Three (3) Samsung MT6413-77A panel antennas and six (6) Kaelus BSF0020F3V-1 filters mounted on an existing platform w/ handrail with a RAD center elevation of 80-ft above grade.

Primary Assumptions Used in the Analysis

- The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- The tower carries the horizontal and vertical loads due to the weight of antennas, ice load and wind.
- Tower is properly installed and maintained.
- Tower is in plumb condition.
- Tower loading for antennas and mounts as listed in this report.
- All bolts are appropriately tightened providing the necessary connection continuity.
- All welds are fabricated with ER-70S-6 electrodes.
- All members are assumed to be as specified in the original tower design documents or reinforcement drawings.
- All members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
- All member protective coatings are in good condition.
- All tower members were properly designed, detailed, fabricated, installed and have been properly maintained since erection.
- Any deviation from the analyzed antenna loading will require a new analysis for verification of structural adequacy.
- All coax cables to be installed as indicated in this report.

Analysis

The existing tower was analyzed using a comprehensive computer program entitled tnxTower. The program analyzes the tower, considering the worst case loading condition. The tower is considered as loaded by concentric forces along the tower, and the model assumes that the tower members are subjected to bending, axial, and shear forces.

The existing tower was analyzed for the controlling basic wind speed with no ice and the applicable wind and ice combination to determine stresses in members as per guidelines of TIA-222-H entitled "Structural Standard for Antenna Support Structures, Antennas and Small Wind Turbine Support Structures", the American Institute of Steel Construction (AISC) and the Manual of Steel Construction; Load and Resistance Factor Design (LRFD).

The controlling wind speed is determined by evaluating the local available wind speed data as provided in Appendix P of the CSBC¹ and the wind speed data available in the TIA-222-H Standard.

Tower Loading

Tower loading was determined by the basic wind speed as applied to projected surface areas with modification factors per TIA-222-H, gravity loads of the tower structure and its components, and the application of 1.0" radial ice on the tower structure and its components.

Load Cases:	<u>Load Case 1</u> ; 130 mph (Risk Cat III) wind speed w/ no ice plus gravity load – used in calculation of tower stresses and rotation.	<i>[Appendix P of the 2022 CT Building Code]</i>
	<u>Load Case 2</u> ; 50 mph wind speed w/ 1.00" radial ice plus gravity load – used in calculation of tower stresses.	<i>[Annex B of TIA-222-H]</i>

¹ The 2021 International Building Code as amended by the 2022 Connecticut State Building Code (CSBC).

Tower Capacity

- Calculated stresses were found to be within allowable limits.

Tower Section	Elevation	Stress Ratio (percentage of capacity)	Result
Pole Shaft (L3)	30.00'-47.83'	65.9%	PASS

Note 1: Equivalent thickness of 0.58" used for section L4 of pole shaft with reinforcement.

Foundation and Anchors

The existing foundation consists of a 6.5 Ø x 26.5-ft long reinforced concrete caisson. The sub-grade conditions used in the analysis of the existing foundation were obtained from the design documents prepared by SAC, dated May 18, 1994. The base of the tower is connected to the foundation by means of (16) 2.25"Ø, ASTM A615-75 anchor bolts embedded approximately 5-ft into the concrete foundation structure.

- The tower base reactions developed from the governing Load Case were used in the verification of the foundation and its anchors:

Location	Vector	Proposed Reactions
Base	Shear	41 kips
	Compression	53 kips
	Moment	3592 kip-ft

- The foundation was found to be within allowable limits.

Foundation	Design Limit	Proposed Loading	Result
Reinforced Concrete Caisson	Moment Capacity	43.4%	PASS
	Lateral Deflection	0.23 in. ⁽¹⁾	PASS

(1) Lateral deflection limited to 0.75 in under service load combination per TIA-222-H section 9.4.

- The anchor bolts and base plate were found to be within allowable limits.

Tower Component	Design Limit	Stress Ratio (percentage of capacity)	Result
Anchor Bolts	Tension	58.0%	PASS
Base Plate	Bending	63.0%	PASS

CEN TEK Engineering, Inc.
Structural Analysis - 150-ft Valmont Monopole
Verizon Antenna Upgrade ~ Fairfield 2
Fairfield, CT
Rev 3 ~ January 3, 2024

Conclusion

This analysis shows that the subject tower **is adequate** to support the proposed antenna configuration.

The analysis is based, in part, on the information provided to this office by Verizon. If the existing conditions are different than the information in this report, Centek Engineering, Inc. must be contacted for resolution of any potential issues.

Please feel free to call with any questions or comments.

Respectfully Submitted by:


Timothy J. Lynn, PE
Structural Engineer



*Standard Conditions for Furnishing of
Professional Engineering Services on
Existing Structures*

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

- Information supplied by the client regarding the structure itself, its foundations, the soil conditions, the antenna and feed line loading on the structure and its components, or other relevant information.
- Information from the field and/or drawings in the possession of CENTEK engineering, Inc. or generated by field inspections or measurements of the structure.
- It is the responsibility of the client to ensure that the information provide to CENTEK engineering, Inc. 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 are in an un-corroded condition and have not deteriorated. It is therefore assumed that its capacity has not significantly changed from the "as new" condition.
- All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. 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. In the absence of information to the contrary, all work will be performed in accordance with the latest revision of ANSI/ASCE10 & ANSI/EIA-222
- All services performed, results obtained, and recommendations made are in accordance with generally accepted engineering principles and practices. CENTEK engineering, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

CENTEK Engineering, Inc.
Structural Analysis - 150-ft Valmont Monopole
Verizon Antenna Upgrade ~ Fairfield 2
Fairfield, CT
Rev 3 ~ January 3, 2024

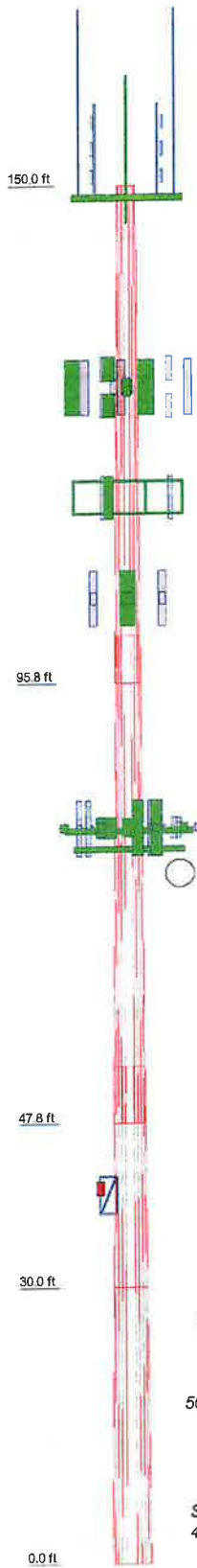
General Description of Structural Analysis Program

tnxTower, is an integrated structural analysis and design software package for Designed specifically for the telecommunications industry, tnxTower, formerly ERITower, automates much of the tower analysis and design required by the TIA/EIA 222 Standard.

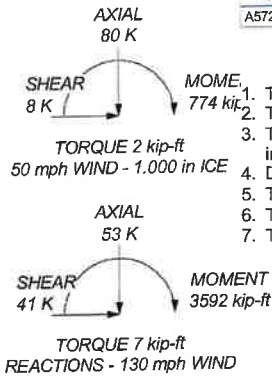
tnxTower Features:

- tnxTower can analyze and design 3- and 4-sided guyed towers, 3- and 4-sided self-supporting towers and either round or tapered ground mounted poles with or without guys.
- The program analyzes towers using the TIA-222-H standard or any of the previous TIA/EIA standards back to RS-222 (1959). Steel design is checked using the AISC LRFD specifications.
- Linear and non-linear (P-delta) analyses can be used in determining displacements and forces in the structure. Wind pressures and forces are automatically calculated.
- Extensive graphics plots include material take-off, shear-moment, leg compression, displacement, twist, feed line, guy anchor and stress plots.
- tnxTower contains unique features such as True Cable behavior, hog rod take-up, foundation stiffness and much more.

Section	1	2	3	4
Length (ft)	54.170	53.170	24.000	30.000
Number of Slides	12	12	12	12
Thickness (in)	0.281	0.375	0.438	0.580
Socket Length (ft)	5.170	6.170	39.771	44.139
Top Dia (in)	23.610	31.985	44.139	49.600
Bot Dia (in)	33.469	41.644	48.600	57.200
Grade	A572-65	A572-65	A572-65	A572-65
Weight (K)	4.7	8.0	4.8	9.7



ALL REACTIONS ARE FACTORED



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
10-ft Dipole (Town)	149	FFVV-65B-R2 (Dish - Reserved)	105
10-ft Dipole (Town)	149	TA08025-B604 (Dish - Reserved)	105
DB810K (Town)	149	TA08025-B604 (Dish - Reserved)	105
Valmont T-Arm (1) (Town)	149	TA08025-B604 (Dish - Reserved)	105
Valmont T-Arm (1) (Town)	149	TA08025-B605 (Dish - Reserved)	105
Valmont T-Arm (1) (Town)	149	TA08025-B605 (Dish - Reserved)	105
1142-2B (Town - Existing)	149	TA08025-B605 (Dish - Reserved)	105
ASPA685 (Town - Existing)	149	RD1DC-9161-PF-48 (Dish - Reserved)	105
DB222 (Town - Existing)	149	MC-PK8-DSH (Dish - Reserved)	105
ASPA685 (Town - Existing)	149	MT6413-77A (Verizon - Proposed)	80
OPA65R-BU6D (ATI Existing)	128	B2/B66A RRH (Verizon - Existing)	80
AIR6419 (ATI Existing)	128	B2/B66A RRH (Verizon - Existing)	80
AIR6449 (ATI Existing)	128	B2/B66A RRH (Verizon - Existing)	80
TPA65R-BU6D (ATI Existing)	128	B5/B13 RRH (Verizon - Existing)	80
OPA65R-BU6D (ATI Existing)	128	B5/B13 RRH (Verizon - Existing)	80
AIR6419 (ATI Existing)	128	B5/B13 RRH (Verizon - Existing)	80
AIR6449 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
TPA65R-BU6D (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4449 B5/B12 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4449 B5/B12 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4415 B30 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4415 B30 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4415 B30 (ATI Existing)	128	CBRS RRH-RT4401-48A (Verizon - Existing)	80
4478 B14 (ATI Existing)	128	RVZDC-6627-PF-48 (Verizon - Existing)	80
4478 B14 (ATI Existing)	128	RVZDC-6627-PF-48 (Verizon - Existing)	80
4478 B14 (ATI Existing)	128	RVZDC-6627-PF-48 (Verizon - Existing)	80
4478 B14 (ATI Existing)	128	RVZDC-6627-PF-48 (Verizon - Existing)	80
8843 B2/B66A (ATI Existing)	128	SitePro F4P-HRK14 Hand Rails (Verizon - Existing)	80
8843 B2/B66A (ATI Existing)	128	SitePro F4P-HRK14 Hand Rails (Verizon - Existing)	80
8843 B2/B66A (ATI Existing)	128	SitePro F4P-HRK14 Hand Rails (Verizon - Existing)	80
8843 B2/B66A (ATI Existing)	128	SitePro F4P-HRK14 Hand Rails (Verizon - Existing)	80
DC6-48-60-18-8F Surge Arrestor (ATI Existing)	128	(2) BSF0020F3V1-1 (Verizon - Proposed)	80
DC6-48-60-18-8F Surge Arrestor (ATI Existing)	128	(2) BSF0020F3V1-1 (Verizon - Proposed)	80
DC6-48-60-18-8F Surge Arrestor (ATI Existing)	128	(2) BSF0020F3V1-1 (Verizon - Proposed)	80
DC6-48-60-18-8F Surge Arrestor (ATI Existing)	128	(2) BSF0020F3V1-1 (Verizon - Proposed)	80
OPA65R-BU6D (ATI Existing)	128	XXDWMM-12.5-65-8T (Verizon - Existing)	80
AIR6419 (ATI Existing)	128	JAHH-65B-R3B (Verizon - Existing)	80
AIR6449 (ATI Existing)	128	JAHH-65B-R3B (Verizon - Existing)	80
TPA65R-BU6D (ATI Existing)	128	MT6413-77A (Verizon - Proposed)	80
SitePro RMQP-4120-H10 (ATI Existing)	125	MT6413-77A (Verizon - Proposed)	80
(2) 10"x8"x3" TMA (T-Mobile Existing)	116	XXDWMM-12.5-65-8T (Verizon - Existing)	80
(2) 10"x8"x3" TMA (T-Mobile Existing)	116	XXDWMM-12.5-65-8T (Verizon - Existing)	80
(2) 10"x8"x3" TMA (T-Mobile Existing)	116	XXDWMM-12.5-65-8T (Verizon - Existing)	80
APX16DWV-16DWVS-E-A20 (T-Mobile Existing)	116	JAHH-65B-R3B (Verizon - Existing)	80
13' Platform w/rails (T-Mobile Existing)	116	JAHH-65B-R3B (Verizon - Existing)	80
APX16DWV-16DWVS-E-A20 (T-Mobile Existing)	116	JAHH-65B-R3B (Verizon - Existing)	80
APX16DWV-16DWVS-E-A20 (T-Mobile Existing)	116	Valmont 13' Low Profile Platform (Verizon - Existing)	78
APX16DWV-16DWVS-E-A20 (T-Mobile Existing)	116	Valmont 13' Low Profile Platform (Verizon - Existing)	78
FFVV-65B-R2 (Dish - Reserved)	105	GPS (Existing)	40
FFVV-65B-R2 (Dish - Reserved)	105	Stand-off	40

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category III.
6. Topographic Category 1 with Crest Height of 0.000 ft
7. TOWER RATING: 65.9%

Centek Engineering Inc.
 63-2 North Branford Rd.
 Branford, CT 06405
 Phone: (203) 488-0580
 FAX: (203) 488-8587

Job: 22115.01 - Fairfield 2		
Project: 150-ft Valmont Monopole - Fairfield, CT		
Client: Verizon	Drawn by: T.JL	App'd:
Code: TIA-222-H	Date: 01/03/24	Scale: NTS
Path:		Dwg No. E-1

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job 22115.01 - Fairfield 2	Page 1 of 26
	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by T.J.L.

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- Tower base elevation above sea level: 0.000 ft.
- Basic wind speed of 130 mph.
- Risk Category III.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.000 ft.
- Nominal ice thickness of 1.000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric Distribute Leg Loads As Uniform | <ul style="list-style-type: none"> Assume Legs Pinned √ Assume Rigid Index Plate Use Clear Spans For Wind Area Use Clear Spans For KL/r Retention Guys To Initial Tension √ Bypass Mast Stability Checks Use Azimuth Dish Coefficients √ Project Wind Area of Appurtenances Alternative Appurt. EPA Calculation Autocalc Torque Arm Areas Add IBC .6D+W Combination √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs Use ASCE 10 X-Brace Ly Rules | <ul style="list-style-type: none"> Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption Poles √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|---|---|--|

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.000-95.830	54.170	5.170	12	23.610	33.469	0.281	1.125	A572-65 (65 ksi)
L2	95.830-47.830	53.170	6.170	12	31.965	41.644	0.375	1.500	A572-65 (65 ksi)

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	Client Verizon	Designed by TJL

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L3	47.830-30.000	24.000	0.000	12	39.771	44.139	0.438	1.750	A572-65 (65 ksi)
L4	30.000-0.000	30.000		12	44.139	49.600	0.580	2.320	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I ² /Q in ²	w in	w/t
L1	24.344	21.131	1467.855	8.352	12.230	120.021	2974.272	10.400	5.574	19.814
	34.550	30.061	4226.132	11.881	17.337	243.765	8563.288	14.795	8.216	29.207
L2	33.935	38.145	4858.931	11.309	16.558	293.447	9845.511	18.774	7.562	20.165
	42.981	49.832	10832.905	14.774	21.572	502.184	21950.402	24.526	10.156	27.082
L3	42.182	55.411	10942.171	14.081	20.601	531.139	22171.804	27.272	9.486	21.683
	45.542	61.564	15007.519	15.645	22.864	656.382	30409.303	30.300	10.657	24.358
L4	45.491	81.351	19701.692	15.594	22.864	861.690	39920.969	40.038	10.275	17.715
	51.145	91.550	28079.524	17.549	25.693	1092.895	56896.728	45.058	11.738	20.239

Tower Elevation ft	Gusset Area ft ² (per face)	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.000-95.830				1	1	1			
L2 95.830-47.830				1	1	1			
L3 47.830-30.000				1	1	1			
L4 30.000-0.000				1.2	1	1.1			

Monopole Base Plate Data

Base Plate Data	
Base plate is square	√
Base plate is grouted	√
Anchor bolt grade	A615-75
Anchor bolt size	2.250 in
Number of bolts	16
Embedment length	60.000 in
f _c	4.000 ksi
Grout space	3.000 in
Base plate grade	A633-60
Base plate thickness	2.750 in
Bolt circle diameter	57.850 in
Outer diameter	63.850 in
Inner diameter	40.000 in
Base plate type	Plain Plate

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job 22115.01 - Fairfield 2	Page 3 of 26
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	Client Verizon	Designed by TJL

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
1 1/4 (AT&T - Existing)	A	Yes	Surface Ar (CaAa)	125.000 - 3.000	6	6	0.000 - 0.000	1.550		0.001
RG6-Fiber (AT&T - Existing)	C	Yes	Surface Ar (CaAa)	129.000 - 3.000	3	3	0.000 - 0.000	0.500		0.001
#8 AWG Copper Wire (AT&T - Existing)	C	Yes	Surface Ar (CaAa)	129.000 - 3.000	6	6	0.000 - 0.000	0.129		0.000
1 5/8 (T-Mobile - Existing)	A	Yes	Surface Ar (CaAa)	116.000 - 3.000	12	6	0.000 - 0.000	1.980		0.001
HYBRIFLEX 1-5/8" (Verizon - Existing)	A	Yes	Surface Ar (CaAa)	80.000 - 3.000	1	1	0.000 - 0.000	1.980		0.002
1/2 (GPS - Existing)	B	Yes	Surface Ar (CaAa)	40.000 - 3.000	1	1	0.000 - 0.000	0.580		0.000
HYBRIFLEX 1-5/8" (Dish - Reserved)	A	Yes	Surface Ar (CaAa)	105.000 - 3.000	1	1	0.000 - 0.000	1.980		0.002

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA} ft ² /ft	Weight klf
1 5/8 (Town - Existing)	A	No	Yes	Inside Pole	149.000 - 3.000	3	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.001
7/8 (Town - Existing)	B	No	Yes	Inside Pole	149.000 - 3.000	4	No Ice 1/2" Ice 1" Ice	0.000 0.001 0.001

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	150.000-95.830	A	0.000	0.000	52.906	0.000	0.551
		B	0.000	0.000	0.000	0.000	0.115
		C	0.000	0.000	7.533	0.000	0.109
L2	95.830-47.830	A	0.000	0.000	117.538	0.000	1.091
		B	0.000	0.000	0.000	0.000	0.104
		C	0.000	0.000	10.901	0.000	0.158
L3	47.830-30.000	A	0.000	0.000	44.825	0.000	0.417
		B	0.000	0.000	0.580	0.000	0.041
		C	0.000	0.000	4.049	0.000	0.059
L4	30.000-0.000	A	0.000	0.000	67.878	0.000	0.631
		B	0.000	0.000	1.566	0.000	0.065
		C	0.000	0.000	6.132	0.000	0.089

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Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
L1	150.000-95.830	A	1.310	0.000	0.000	84.245	0.000	1.640
		B		0.000	0.000	0.000	0.000	0.115
		C		0.000	0.000	31.149	0.000	0.339
L2	95.830-47.830	A	1.242	0.000	0.000	195.414	0.000	3.703
		B		0.000	0.000	0.000	0.000	0.104
		C		0.000	0.000	45.075	0.000	0.491
L3	47.830-30.000	A	1.169	0.000	0.000	74.202	0.000	1.371
		B		0.000	0.000	3.065	0.000	0.069
		C		0.000	0.000	16.137	0.000	0.172
L4	30.000-0.000	A	1.061	0.000	0.000	107.950	0.000	1.894
		B		0.000	0.000	7.294	0.000	0.122
		C		0.000	0.000	21.984	0.000	0.223

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	1 1/4	95.83 - 125.00	1.0000	1.0000
L1	3	RG6-Fiber	95.83 - 129.00	1.0000	1.0000
L1	4	#8 AWG Copper Wire	95.83 - 129.00	1.0000	1.0000
L1	6	1 5/8	95.83 - 116.00	1.0000	1.0000
L1	11	HYBRIFLEX 1-5/8"	95.83 - 105.00	1.0000	1.0000
L2	2	1 1/4	47.83 - 95.83	1.0000	1.0000
L2	3	RG6-Fiber	47.83 - 95.83	1.0000	1.0000
L2	4	#8 AWG Copper Wire	47.83 - 95.83	1.0000	1.0000
L2	6	1 5/8	47.83 - 95.83	1.0000	1.0000
L2	8	HYBRIFLEX 1-5/8"	47.83 - 80.00	1.0000	1.0000
L2	11	HYBRIFLEX 1-5/8"	47.83 - 95.83	1.0000	1.0000
L3	2	1 1/4	30.00 - 47.83	1.0000	1.0000
L3	3	RG6-Fiber	30.00 - 47.83	1.0000	1.0000
L3	4	#8 AWG Copper Wire	30.00 - 47.83	1.0000	1.0000
L3	6	1 5/8	30.00 - 47.83	1.0000	1.0000
L3	8	HYBRIFLEX 1-5/8"	30.00 - 47.83	1.0000	1.0000
L3	10	1/2	30.00 - 40.00	1.0000	1.0000
L3	11	HYBRIFLEX 1-5/8"	30.00 - 47.83	1.0000	1.0000
L4	2	1 1/4	3.00 - 30.00	1.0000	1.0000
L4	3	RG6-Fiber	3.00 - 30.00	1.0000	1.0000
L4	4	#8 AWG Copper Wire	3.00 - 30.00	1.0000	1.0000
L4	6	1 5/8	3.00 - 30.00	1.0000	1.0000
L4	8	HYBRIFLEX 1-5/8"	3.00 - 30.00	1.0000	1.0000
L4	10	1/2	3.00 - 30.00	1.0000	1.0000
L4	11	HYBRIFLEX 1-5/8"	3.00 - 30.00	1.0000	1.0000

Discrete Tower Loads

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job 22115.01 - Fairfield 2	Page 5 of 26
	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by TJL

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						Vert
10-ft Dipole (Town)	A	From Face	3.000	0.000	0.000	149.000	No Ice	3.150	3.150	0.032
			0.000				1/2" Ice	5.670	5.670	0.042
			5.000				1" Ice	8.190	8.190	0.051
10-ft Dipole (Town)	B	From Face	3.000	0.000	0.000	149.000	No Ice	3.150	3.150	0.032
			0.000				1/2" Ice	5.670	5.670	0.042
			5.000				1" Ice	8.190	8.190	0.051
DB810K (Town)	C	From Face	3.000	0.000	0.000	149.000	No Ice	4.075	4.075	0.035
			0.000				1/2" Ice	5.734	5.734	0.065
			5.000				1" Ice	7.410	7.410	0.106
Valmont T-Arm (1) (Town)	A	None			0.000	149.000	No Ice	10.540	10.540	0.336
							1/2" Ice	14.450	14.450	0.412
							1" Ice	18.360	18.360	0.488
Valmont T-Arm (1) (Town)	B	None			0.000	149.000	No Ice	10.540	10.540	0.336
							1/2" Ice	14.450	14.450	0.412
							1" Ice	18.360	18.360	0.488
Valmont T-Arm (1) (Town)	C	None			0.000	149.000	No Ice	10.540	10.540	0.336
							1/2" Ice	14.450	14.450	0.412
							1" Ice	18.360	18.360	0.488
OPA65R-BU6D (AT&T Existing)	A	From Face	3.000	0.000	0.000	128.000	No Ice	12.871	5.673	0.070
			-2.000				1/2" Ice	13.369	6.125	0.145
			0.000				1" Ice	13.873	6.585	0.227
AIR6419 (AT&T Existing)	A	From Face	3.000	0.000	0.000	128.000	No Ice	4.173	2.015	0.056
			2.000				1/2" Ice	4.439	2.225	0.085
			2.000				1" Ice	4.712	2.442	0.118
AIR6449 (AT&T Existing)	A	From Face	3.000	0.000	0.000	128.000	No Ice	4.054	2.742	0.096
			2.000				1/2" Ice	4.317	2.966	0.130
			-2.000				1" Ice	4.586	3.196	0.167
TPA65R-BU6D (AT&T Existing)	A	From Face	3.000	0.000	0.000	128.000	No Ice	12.709	5.615	0.075
			6.000				1/2" Ice	13.206	6.067	0.149
			0.000				1" Ice	13.709	6.526	0.230
OPA65R-BU6D (AT&T Existing)	B	From Face	3.000	0.000	0.000	128.000	No Ice	12.871	5.673	0.070
			-2.000				1/2" Ice	13.369	6.125	0.145
			0.000				1" Ice	13.873	6.585	0.227
AIR6419 (AT&T Existing)	B	From Face	3.000	0.000	0.000	128.000	No Ice	4.173	2.015	0.056
			2.000				1/2" Ice	4.439	2.225	0.085
			2.000				1" Ice	4.712	2.442	0.118
AIR6449 (AT&T Existing)	B	From Face	3.000	0.000	0.000	128.000	No Ice	4.054	2.742	0.096
			2.000				1/2" Ice	4.317	2.966	0.130
			-2.000				1" Ice	4.586	3.196	0.167
TPA65R-BU6D (AT&T Existing)	B	From Face	3.000	0.000	0.000	128.000	No Ice	12.709	5.615	0.075
			6.000				1/2" Ice	13.206	6.067	0.149
			0.000				1" Ice	13.709	6.526	0.230
OPA65R-BU6D (AT&T Existing)	C	From Face	3.000	0.000	0.000	128.000	No Ice	12.871	5.673	0.070
			-2.000				1/2" Ice	13.369	6.125	0.145
			0.000				1" Ice	13.873	6.585	0.227
AIR6419 (AT&T Existing)	C	From Face	3.000	0.000	0.000	128.000	No Ice	4.173	2.015	0.056
			2.000				1/2" Ice	4.439	2.225	0.085
			2.000				1" Ice	4.712	2.442	0.118
AIR6449 (AT&T Existing)	C	From Face	3.000	0.000	0.000	128.000	No Ice	4.054	2.742	0.096
			2.000				1/2" Ice	4.317	2.966	0.130
			-2.000				1" Ice	4.586	3.196	0.167
TPA65R-BU6D (AT&T Existing)	C	From Face	3.000	0.000	0.000	128.000	No Ice	12.709	5.615	0.075
			6.000				1/2" Ice	13.206	6.067	0.149
			0.000				1" Ice	13.709	6.526	0.230
4449 B5/B12 (AT&T Existing)	A	From Face	0.500	0.000	0.000	128.000	No Ice	1.968	1.408	0.071
			0.000				1/2" Ice	2.144	1.564	0.090
			0.000				1" Ice	2.328	1.727	0.111

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	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by TJJ

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement ft	C _{AA}		Weight K	
			Horz Lateral ft	Vert ft			Front ft ²	Side ft ²		
4449 B5/B12 (AT&T Existing)	B	From Face	0.500	0.000	0.000	128.000	No Ice	1.968	1.408	0.071
			0.000	0.000			1/2" Ice	2.144	1.564	0.090
			0.000	0.000			1" Ice	2.328	1.727	0.111
4449 B5/B12 (AT&T Existing)	C	From Face	0.500	0.000	0.000	128.000	No Ice	1.968	1.408	0.071
			0.000	0.000			1/2" Ice	2.144	1.564	0.090
			0.000	0.000			1" Ice	2.328	1.727	0.111
4415 B30 (AT&T Existing)	A	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	0.820	0.046
			0.000	0.000			1/2" Ice	2.012	0.943	0.060
			0.000	0.000			1" Ice	2.190	1.075	0.077
4415 B30 (AT&T Existing)	B	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	0.820	0.046
			0.000	0.000			1/2" Ice	2.012	0.943	0.060
			0.000	0.000			1" Ice	2.190	1.075	0.077
4415 B30 (AT&T Existing)	C	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	0.820	0.046
			0.000	0.000			1/2" Ice	2.012	0.943	0.060
			0.000	0.000			1" Ice	2.190	1.075	0.077
4478 B14 (AT&T Existing)	A	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	1.059	0.060
			0.000	0.000			1/2" Ice	2.012	1.197	0.076
			0.000	0.000			1" Ice	2.190	1.342	0.094
4478 B14 (AT&T Existing)	B	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	1.059	0.060
			0.000	0.000			1/2" Ice	2.012	1.197	0.076
			0.000	0.000			1" Ice	2.190	1.342	0.094
4478 B14 (AT&T Existing)	C	From Face	0.500	0.000	0.000	128.000	No Ice	1.843	1.059	0.060
			0.000	0.000			1/2" Ice	2.012	1.197	0.076
			0.000	0.000			1" Ice	2.190	1.342	0.094
8843 B2/B66A (AT&T Existing)	A	From Face	0.500	0.000	0.000	128.000	No Ice	1.639	1.353	0.072
			0.000	0.000			1/2" Ice	1.799	1.500	0.090
			0.000	0.000			1" Ice	1.966	1.655	0.110
8843 B2/B66A (AT&T Existing)	B	From Face	0.500	0.000	0.000	128.000	No Ice	1.639	1.353	0.072
			0.000	0.000			1/2" Ice	1.799	1.500	0.090
			0.000	0.000			1" Ice	1.966	1.655	0.110
8843 B2/B66A (AT&T Existing)	C	From Face	0.500	0.000	0.000	128.000	No Ice	1.639	1.353	0.072
			0.000	0.000			1/2" Ice	1.799	1.500	0.090
			0.000	0.000			1" Ice	1.966	1.655	0.110
DC6-48-60-18-8F Surge Arrestor (AT&T Existing)	A	From Face	0.500	0.000	0.000	128.000	No Ice	1.909	1.909	0.026
			0.000	0.000			1/2" Ice	2.098	2.098	0.045
			0.000	0.000			1" Ice	2.294	2.294	0.068
DC6-48-60-18-8F Surge Arrestor (AT&T Existing)	B	From Face	0.500	0.000	0.000	128.000	No Ice	1.909	1.909	0.026
			0.000	0.000			1/2" Ice	2.098	2.098	0.045
			0.000	0.000			1" Ice	2.294	2.294	0.068
DC6-48-60-18-8F Surge Arrestor (AT&T Existing)	C	From Face	0.500	0.000	0.000	128.000	No Ice	1.909	1.909	0.026
			0.000	0.000			1/2" Ice	2.098	2.098	0.045
			0.000	0.000			1" Ice	2.294	2.294	0.068
SitePro RMQP-4120-H10 (AT&T Existing)	C	None		0.000	0.000	125.000	No Ice	30.000	30.000	3.000
							1/2" Ice	38.000	38.000	2.750
							1" Ice	46.000	46.000	2.500
13' Platform w/rails (T-Mobile Existing)	C	None		0.000	0.000	116.000	No Ice	31.300	31.300	1.822
							1/2" Ice	40.200	40.200	2.452
							1" Ice	49.100	49.100	3.082
APX16DWV-16DWVS-E-A 20 (T-Mobile Existing)	A	From Face	3.000	0.000	0.000	116.000	No Ice	6.460	2.150	0.050
			2.000	0.000			1/2" Ice	6.833	2.490	0.083
			0.000	0.000			1" Ice	7.214	2.837	0.121
APX16DWV-16DWVS-E-A 20 (T-Mobile Existing)	B	From Face	3.000	0.000	0.000	116.000	No Ice	6.460	2.150	0.050
			2.000	0.000			1/2" Ice	6.833	2.490	0.083
			0.000	0.000			1" Ice	7.214	2.837	0.121
APX16DWV-16DWVS-E-A 20 (T-Mobile Existing)	C	From Face	3.000	0.000	0.000	116.000	No Ice	6.460	2.150	0.050
			2.000	0.000			1/2" Ice	6.833	2.490	0.083
			0.000	0.000			1" Ice	7.214	2.837	0.121

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	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by T.J.L.

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft	C _A A _A		Weight K	
			Horz Lateral ft	Vert ft			Front ft ²	Side ft ²		
(2) 10"x8"x3" TMA (T-Mobile Existing)	A	From Face	3.000	0.000	0.000	116.000	No Ice	0.000	0.292	0.015
			6.000				1/2" Ice	0.000	0.380	0.020
			0.000				1" Ice	0.000	0.477	0.025
(2) 10"x8"x3" TMA (T-Mobile Existing)	B	From Face	3.000	0.000	0.000	116.000	No Ice	0.000	0.292	0.015
			6.000				1/2" Ice	0.000	0.380	0.020
			0.000				1" Ice	0.000	0.477	0.025
(2) 10"x8"x3" TMA (T-Mobile Existing)	C	From Face	3.000	0.000	0.000	116.000	No Ice	0.000	0.292	0.015
			6.000				1/2" Ice	0.000	0.380	0.020
			0.000				1" Ice	0.000	0.477	0.025
1142-2B (Town - Existing)	B	From Face	5.000	0.000	0.000	149.000	No Ice	1.120	1.120	0.010
			0.000				1/2" Ice	2.535	2.535	0.021
			4.000				1" Ice	3.967	3.967	0.041
ASPA685 (Town - Existing)	B	From Face	5.000	0.000	0.000	149.000	No Ice	5.250	5.250	0.022
			0.000				1/2" Ice	7.379	7.379	0.060
			10.000				1" Ice	9.525	9.525	0.112
DB222 (Town - Existing)	A	From Face	5.000	0.000	0.000	149.000	No Ice	1.600	1.600	0.016
			0.000				1/2" Ice	2.880	2.880	0.021
			5.000				1" Ice	4.160	4.160	0.026
ASPA685 (Town - Existing)	A	From Face	5.000	0.000	0.000	149.000	No Ice	5.250	5.250	0.022
			0.000				1/2" Ice	7.379	7.379	0.060
			10.000				1" Ice	9.525	9.525	0.112
XXDWMM-12.5-65-8T (Verizon - Existing)	A	From Face	3.000	0.000	0.000	80.000	No Ice	0.892	0.175	0.005
			-6.000				1/2" Ice	1.012	0.255	0.010
			0.000				1" Ice	1.140	0.339	0.017
JAHH-65B-R3B (Verizon - Existing)	A	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-3.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
JAHH-65B-R3B (Verizon - Existing)	A	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-1.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
MT6413-77A (Verizon - Proposed)	A	From Face	3.000	0.000	0.000	80.000	No Ice	3.793	1.462	0.060
			2.000				1/2" Ice	4.045	1.651	0.084
			0.000				1" Ice	4.304	1.847	0.112
XXDWMM-12.5-65-8T (Verizon - Existing)	B	From Face	3.000	0.000	0.000	80.000	No Ice	0.892	0.175	0.005
			-6.000				1/2" Ice	1.012	0.255	0.010
			0.000				1" Ice	1.140	0.339	0.017
JAHH-65B-R3B (Verizon - Existing)	B	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-3.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
JAHH-65B-R3B (Verizon - Existing)	B	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-1.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
MT6413-77A (Verizon - Proposed)	B	From Face	3.000	0.000	0.000	80.000	No Ice	3.793	1.462	0.060
			2.000				1/2" Ice	4.045	1.651	0.084
			0.000				1" Ice	4.304	1.847	0.112
XXDWMM-12.5-65-8T (Verizon - Existing)	C	From Face	3.000	0.000	0.000	80.000	No Ice	0.892	0.175	0.005
			-6.000				1/2" Ice	1.012	0.255	0.010
			0.000				1" Ice	1.140	0.339	0.017
JAHH-65B-R3B (Verizon - Existing)	C	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-3.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
JAHH-65B-R3B (Verizon - Existing)	C	From Face	3.000	0.000	0.000	80.000	No Ice	9.113	5.983	0.063
			-1.000				1/2" Ice	9.579	6.442	0.121
			0.000				1" Ice	10.052	6.909	0.185
MT6413-77A (Verizon - Proposed)	C	From Face	3.000	0.000	0.000	80.000	No Ice	3.793	1.462	0.060
			2.000				1/2" Ice	4.045	1.651	0.084
			0.000				1" Ice	4.304	1.847	0.112

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	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by TJL

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			Vert						
			ft	ft	ft		ft ²	ft ²	K
			ft						
B2/B66A RRH (Verizon - Existing)	A	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 2.537 1/2" Ice 2.750 1" Ice 2.970	1.610 1.791 1.978	0.060 0.080 0.103
B2/B66A RRH (Verizon - Existing)	B	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 2.537 1/2" Ice 2.750 1" Ice 2.970	1.610 1.791 1.978	0.060 0.080 0.103
B2/B66A RRH (Verizon - Existing)	C	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 2.537 1/2" Ice 2.750 1" Ice 2.970	1.610 1.791 1.978	0.060 0.080 0.103
B5/B13 RRH (Verizon - Existing)	A	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 1.865 1/2" Ice 2.035 1" Ice 2.212	1.016 1.148 1.288	0.070 0.086 0.106
B5/B13 RRH (Verizon - Existing)	B	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 1.865 1/2" Ice 2.035 1" Ice 2.212	1.016 1.148 1.288	0.070 0.086 0.106
B5/B13 RRH (Verizon - Existing)	C	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 1.865 1/2" Ice 2.035 1" Ice 2.212	1.016 1.148 1.288	0.070 0.086 0.106
CBRS RRH-RT4401-48A (Verizon - Existing)	A	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 0.857 1/2" Ice 0.975 1" Ice 1.101	0.420 0.510 0.608	0.020 0.027 0.036
CBRS RRH-RT4401-48A (Verizon - Existing)	B	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 0.857 1/2" Ice 0.975 1" Ice 1.101	0.420 0.510 0.608	0.020 0.027 0.036
CBRS RRH-RT4401-48A (Verizon - Existing)	C	From Face	3.000 3.000 0.000		0.000	80.000	No Ice 0.857 1/2" Ice 0.975 1" Ice 1.101	0.420 0.510 0.608	0.020 0.027 0.036
CBC78T-DS-43 (Verizon - Existing)	A	From Face	3.000 0.000 0.000		0.000	80.000	No Ice 0.368 1/2" Ice 0.446 1" Ice 0.531	0.256 0.322 0.395	0.011 0.015 0.021
CBC78T-DS-43 (Verizon - Existing)	B	From Face	3.000 0.000 0.000		0.000	80.000	No Ice 0.368 1/2" Ice 0.446 1" Ice 0.531	0.256 0.322 0.395	0.011 0.015 0.021
CBC78T-DS-43 (Verizon - Existing)	C	From Face	3.000 0.000 0.000		0.000	80.000	No Ice 0.368 1/2" Ice 0.446 1" Ice 0.531	0.256 0.322 0.395	0.011 0.015 0.021
RVZDC-6627-PF-48 (Verizon - Existing)	C	From Face	3.000 0.000 0.000		0.000	80.000	No Ice 3.250 1/2" Ice 3.477 1" Ice 3.712	2.150 2.347 2.551	0.030 0.058 0.090
SitePro F4P-HRK14 Hand Rails (Verizon - Existing)	C	None			0.000	80.000	No Ice 6.390 1/2" Ice 8.930 1" Ice 11.550	8.210 11.640 15.160	0.547 0.673 0.847
Valmont 13' Low Profile Platform (Verizon - Existing)	C	None			0.000	78.000	No Ice 15.700 1/2" Ice 20.100 1" Ice 24.500	15.700 20.100 24.500	1.300 1.765 2.230
(2) BSF0020F3V1-1 (Verizon - Proposed)	A	From Face	3.000 2.000 0.000		0.000	80.000	No Ice 0.963 1/2" Ice 1.086 1" Ice 1.217	0.287 0.364 0.449	0.020 0.027 0.035
(2) BSF0020F3V1-1 (Verizon - Proposed)	B	From Face	3.000 2.000 0.000		0.000	80.000	No Ice 0.963 1/2" Ice 1.086 1" Ice 1.217	0.287 0.364 0.449	0.020 0.027 0.035
(2) BSF0020F3V1-1 (Verizon - Proposed)	C	From Face	3.000 2.000 0.000		0.000	80.000	No Ice 0.963 1/2" Ice 1.086 1" Ice 1.217	0.287 0.364 0.449	0.020 0.027 0.035
Stand-off	A	From Face	1.000 0.000 0.000		0.000	40.000	No Ice 0.750 1/2" Ice 0.950 1" Ice 5.060	0.750 0.950 5.060	0.027 0.036 0.138

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	Project 150-ft Valmont Monopole - Fairfield, CT	Date 14:46:11 01/03/24
	Client Verizon	Designed by TJL

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A		Weight
			Horz	Lateral			Front	Side	
			ft	ft	°	ft	ft ²	ft ²	K
GPS (Existing)	A	From Face	2.000	0.000	0.000	40.000	No Ice 1.000	1.000	0.010
			0.000	0.000			1/2" Ice 1.500	1.500	0.015
			0.000	0.000			1" Ice 2.000	2.000	0.020
FFVV-65B-R2 (Dish - Reserved)	A	From Face	3.000	0.000	0.000	105.000	No Ice 12.268	5.721	0.075
			0.000	0.000			1/2" Ice 12.763	6.178	0.147
			0.000	0.000			1" Ice 13.265	6.642	0.226
FFVV-65B-R2 (Dish - Reserved)	B	From Face	3.000	0.000	0.000	105.000	No Ice 12.268	5.721	0.075
			0.000	0.000			1/2" Ice 12.763	6.178	0.147
			0.000	0.000			1" Ice 13.265	6.642	0.226
FFVV-65B-R2 (Dish - Reserved)	C	From Face	3.000	0.000	0.000	105.000	No Ice 12.268	5.721	0.075
			0.000	0.000			1/2" Ice 12.763	6.178	0.147
			0.000	0.000			1" Ice 13.265	6.642	0.226
TA08025-B604 (Dish - Reserved)	A	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.040	0.065
			0.000	0.000			1/2" Ice 2.150	1.176	0.082
			0.000	0.000			1" Ice 2.332	1.318	0.101
TA08025-B604 (Dish - Reserved)	B	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.040	0.065
			0.000	0.000			1/2" Ice 2.150	1.176	0.082
			0.000	0.000			1" Ice 2.332	1.318	0.101
TA08025-B604 (Dish - Reserved)	C	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.040	0.065
			0.000	0.000			1/2" Ice 2.150	1.176	0.082
			0.000	0.000			1" Ice 2.332	1.318	0.101
TA08025-B605 (Dish - Reserved)	A	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.198	0.075
			0.000	0.000			1/2" Ice 2.150	1.340	0.093
			0.000	0.000			1" Ice 2.332	1.490	0.114
TA08025-B605 (Dish - Reserved)	B	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.198	0.075
			0.000	0.000			1/2" Ice 2.150	1.340	0.093
			0.000	0.000			1" Ice 2.332	1.490	0.114
TA08025-B605 (Dish - Reserved)	C	From Face	3.000	0.000	0.000	105.000	No Ice 1.975	1.198	0.075
			0.000	0.000			1/2" Ice 2.150	1.340	0.093
			0.000	0.000			1" Ice 2.332	1.490	0.114
RD1DC-9181-PF-48 (Dish - Reserved)	A	From Face	3.000	0.000	0.000	105.000	No Ice 1.867	1.067	0.022
			0.000	0.000			1/2" Ice 2.037	1.204	0.038
			0.000	0.000			1" Ice 2.215	1.348	0.057
MC-PK8-DSH (Dish - Reserved)	A	From Face	0.000	0.000	0.000	105.000	No Ice 15.000	15.000	1.800
			0.000	0.000			1/2" Ice 21.000	21.000	2.400
			0.000	0.000			1" Ice 27.000	27.000	3.000

Tower Pressures - No Ice

$G_H = 1.100$

Section Elevation	z	K _Z	q _z	A _G	F _a	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face	C _A A _A Out Face
ft	ft		ksf	ft ²	c	ft ²	ft ²	ft ²		ft ²	ft ²
L1	121.775	1.045	0.043	132.929	A	0.000	132.929	132.929	100.00	52.906	0.000
150.000-95.830					B	0.000	132.929		100.00	0.000	0.000
0					C	0.000	132.929		100.00	7.533	0.000
L2	71.467	0.898	0.037	153.832	A	0.000	153.832	153.832	100.00	117.538	0.000
95.830-47.830					B	0.000	153.832		100.00	0.000	0.000

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Section Elevation ft	z ft	K _Z	q _z ksf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L3 47.830-30.000	38.802	0.754	0.031	65.171	C	0.000	153.832	65.171	100.00	10.901	0.000
					A	0.000	65.171		100.00	44.825	0.000
					B	0.000	65.171		100.00	0.580	0.000
					C	0.000	65.171		100.00	4.049	0.000
L4 30.000-0.000	14.709	0.7	0.029	120.796	A	0.000	120.796	120.796	100.00	67.878	0.000
					B	0.000	120.796	100.00	1.566	0.000	
					C	0.000	120.796	100.00	6.132	0.000	

Tower Pressure - With Ice

$G_H = 1.100$

Section Elevation ft	z ft	K _Z	q _z ksf	t _z in	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 150.000-95.830	121.775	1.045	0.006	1.310	144.760	A	0.000	144.760	144.760	100.00	84.245	0.000
						B	0.000	144.760	100.00	0.000	0.000	
						C	0.000	144.760	100.00	31.149	0.000	
						A	0.000	164.315	164.315	100.00	195.414	0.000
L2 95.830-47.830	71.467	0.898	0.005	1.242	164.315	B	0.000	164.315	100.00	0.000	0.000	
						C	0.000	164.315	100.00	45.075	0.000	
						A	0.000	68.863	68.863	100.00	74.202	0.000
						B	0.000	68.863	100.00	3.065	0.000	
L3 47.830-30.000	38.802	0.754	0.005	1.169	68.863	C	0.000	68.863	100.00	16.137	0.000	
						A	0.000	126.099	126.099	100.00	107.950	0.000
						B	0.000	126.099	100.00	7.294	0.000	
						C	0.000	126.099	100.00	21.984	0.000	
L4 30.000-0.000	14.709	0.7	0.004	1.061	126.099	A	0.000	126.099	126.099	100.00	107.950	0.000
						B	0.000	126.099	100.00	7.294	0.000	
						C	0.000	126.099	100.00	21.984	0.000	

Tower Pressure - Service

$G_H = 1.100$

Section Elevation ft	z ft	K _Z	q _z ksf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 150.000-95.830	121.775	1.045	0.008	132.929	A	0.000	132.929	132.929	100.00	52.906	0.000
					B	0.000	132.929	100.00	0.000	0.000	
					C	0.000	132.929	100.00	7.533	0.000	
					A	0.000	153.832	153.832	100.00	117.538	0.000
L2 95.830-47.830	71.467	0.898	0.007	153.832	B	0.000	153.832	100.00	0.000	0.000	
					C	0.000	153.832	100.00	10.901	0.000	
					A	0.000	65.171	65.171	100.00	44.825	0.000
					B	0.000	65.171	100.00	0.580	0.000	
L3 47.830-30.000	38.802	0.754	0.006	65.171	C	0.000	65.171	100.00	4.049	0.000	
					A	0.000	120.796	120.796	100.00	67.878	0.000
					B	0.000	120.796	100.00	1.566	0.000	
					C	0.000	120.796	100.00	6.132	0.000	
L4 30.000-0.000	14.709	0.7	0.005	120.796	A	0.000	120.796	120.796	100.00	67.878	0.000
					B	0.000	120.796	100.00	1.566	0.000	
					C	0.000	120.796	100.00	6.132	0.000	

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Tower Forces - No Ice - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.043	1	1	132.929	5.955	0.110	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2 95.830-47.830	1.353	7.959	A	1	0.95	0.037	1	1	153.832	5.901	0.123	C
			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	0.95	0.031	1	1	65.171	2.111	0.118	C
			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	0.95	0.029	1	1	120.796	3.632	0.121	C
			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	1282.258 kip-ft	17.599		

Tower Forces - No Ice - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.043	1	1	132.929	5.955	0.110	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2 95.830-47.830	1.353	7.959	A	1	0.95	0.037	1	1	153.832	9.374	0.195	C
			B	1	0.95		1	1	153.832			
			C	1	1.2		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	0.95	0.031	1	1	65.171	2.666	0.150	C
			B	1	0.95		1	1	65.171			
			C	1	1.2		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	0.95	0.029	1	1	120.796	4.231	0.141	C
			B	1	0.95		1	1	120.796			
			C	1	1.107		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	1560.832 kip-ft	22.226		

Tower Forces - No Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.043	1	1	132.929	5.955	0.110	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2	1.353	7.959	A	1	0.95	0.037	1	1	153.832	5.901	0.123	C

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Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
95.830-47.830			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3	0.516	4.777	A	1	0.95	0.031	1	1	65.171	2.111	0.118	C
47.830-30.000			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4	0.785	9.708	A	1	0.95	0.029	1	1	120.796	3.632	0.121	C
30.000-0.000			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	1282.258 kip-ft	17.599		

Tower Forces - No Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
L1	0.775	4.718	A	1	0.992	0.043	1	1	132.929	6.221	0.115	A
150.000-95.830			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2	1.353	7.959	A	1	1.2	0.037	1	1	153.832	10.069	0.210	A
95.830-47.830			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3	0.516	4.777	A	1	1.2	0.031	1	1	65.171	3.536	0.198	A
47.830-30.000			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4	0.785	9.708	A	1	1.2	0.029	1	1	120.796	5.810	0.194	A
30.000-0.000			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	1699.810 kip-ft	25.636		

Tower Forces - With Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
L1	2.094	7.371	A	1	1.2	0.006	1	1	144.760	1.212	0.022	C
150.000-95.830			B	1	1.2		1	1	144.760			
			C	1	1.2		1	1	144.760			
L2	4.298	10.835	A	1	1.2	0.005	1	1	163.771	1.174	0.024	C
95.830-47.830			B	1	1.2		1	1	163.771			
			C	1	1.2		1	1	163.771			
L3	1.612	5.916	A	1	1.2	0.005	1	1	68.645	0.415	0.023	C
47.830-30.000			B	1	1.2		1	1	68.645			
			C	1	1.2		1	1	68.645			
L4	2.240	11.618	A	1	1.2	0.004	1	1	126.099	0.708	0.024	C
30.000-0.000			B	1	1.2		1	1	126.099			

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Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
Sum Weight:	10.244	35.741	C	1	1.2		1	1	126.099 258.006 kip-ft	3.510		

Tower Forces - With Ice - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	2.094	7.371	A	1	1.2	0.006	1	1	144.760	1.212	0.022	C
			B	1	1.2		1	1	144.760			
			C	1	1.2		1	1	144.760			
L2 95.830-47.830	4.298	10.835	A	1	1.2	0.005	1	1	163.771	1.624	0.034	C
			B	1	1.2		1	1	163.771			
			C	1	1.2		1	1	163.771			
L3 47.830-30.000	1.612	5.916	A	1	1.2	0.005	1	1	68.645	0.415	0.023	C
			B	1	1.2		1	1	68.645			
			C	1	1.2		1	1	68.645			
L4 30.000-0.000	2.240	11.618	A	1	1.2	0.004	1	1	126.099	0.708	0.024	C
			B	1	1.2		1	1	126.099			
			C	1	1.2		1	1	126.099			
Sum Weight:	10.244	35.741						OTM	290.205 kip-ft	3.960		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	2.094	7.371	A	1	1.2	0.006	1	1	144.760	1.212	0.022	C
			B	1	1.2		1	1	144.760			
			C	1	1.2		1	1	144.760			
L2 95.830-47.830	4.298	10.835	A	1	1.2	0.005	1	1	163.771	1.174	0.024	C
			B	1	1.2		1	1	163.771			
			C	1	1.2		1	1	163.771			
L3 47.830-30.000	1.612	5.916	A	1	1.2	0.005	1	1	68.645	0.415	0.023	C
			B	1	1.2		1	1	68.645			
			C	1	1.2		1	1	68.645			
L4 30.000-0.000	2.240	11.618	A	1	1.2	0.004	1	1	126.099	0.708	0.024	C
			B	1	1.2		1	1	126.099			
			C	1	1.2		1	1	126.099			
Sum Weight:	10.244	35.741						OTM	258.006 kip-ft	3.510		

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Tower Forces - With Ice - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	2.094	7.371	A	1	1.2	0.006	1	1	144.760	1.212	0.022	C
			B	1	1.2		1	1	144.760			
			C	1	1.2		1	1	144.760			
L2 95.830-47.830	4.298	10.835	A	1	1.2	0.005	1	1	163.771	1.733	0.036	A
			B	1	1.2		1	1	163.771			
			C	1	1.2		1	1	163.771			
L3 47.830-30.000	1.612	5.916	A	1	1.2	0.005	1	1	68.645	0.600	0.034	A
			B	1	1.2		1	1	68.645			
			C	1	1.2		1	1	68.645			
L4 30.000-0.000	2.240	11.618	A	1	1.2	0.004	1	1	126.099	0.956	0.032	A
			B	1	1.2		1	1	126.099			
			C	1	1.2		1	1	126.099			
Sum Weight:	10.244	35.741						OTM	308.786 kip-ft	4.501		

Tower Forces - Service - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.008	1	1	132.929	1.135	0.021	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2 95.830-47.830	1.353	7.959	A	1	0.95	0.007	1	1	153.832	1.125	0.023	C
			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	0.95	0.006	1	1	65.171	0.402	0.023	C
			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	0.95	0.005	1	1	120.796	0.692	0.023	C
			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	244.392 kip-ft	3.354		

Tower Forces - Service - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				ksf			ft ²	K	klf	
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.008	1	1	132.929	1.135	0.021	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			

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	Client Verizon	Designed by TJJ

Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
L2 95.830-47.830	1.353	7.959	A	1	0.95	0.007	1	1	153.832	1.787	0.037	C
			B	1	0.95		1	1	153.832			
			C	1	1.2		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	0.95	0.006	1	1	65.171	0.508	0.028	C
			B	1	0.95		1	1	65.171			
			C	1	1.2		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	0.95	0.005	1	1	120.796	0.806	0.027	C
			B	1	0.95		1	1	120.796			
			C	1	1.107		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	297.486 kip-ft	4.236		

Tower Forces - Service - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
L1 150.000-95.830	0.775	4.718	A	1	0.95	0.008	1	1	132.929	1.135	0.021	C
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2 95.830-47.830	1.353	7.959	A	1	0.95	0.007	1	1	153.832	1.125	0.023	C
			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	0.95	0.006	1	1	65.171	0.402	0.023	C
			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	0.95	0.005	1	1	120.796	0.692	0.023	C
			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	244.392 kip-ft	3.354		

Tower Forces - Service - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
L1 150.000-95.830	0.775	4.718	A	1	0.992	0.008	1	1	132.929	1.186	0.022	A
			B	1	0.95		1	1	132.929			
			C	1	0.95		1	1	132.929			
L2 95.830-47.830	1.353	7.959	A	1	1.2	0.007	1	1	153.832	1.919	0.040	A
			B	1	0.95		1	1	153.832			
			C	1	0.95		1	1	153.832			
L3 47.830-30.000	0.516	4.777	A	1	1.2	0.006	1	1	65.171	0.674	0.038	A
			B	1	0.95		1	1	65.171			
			C	1	0.95		1	1	65.171			
L4 30.000-0.000	0.785	9.708	A	1	1.2	0.005	1	1	120.796	1.107	0.037	A

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Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z ksf	D _F	D _R	A _E ft ²	F K	w klf	Ctrl. Face
30.000-0.000			B	1	0.95		1	1	120.796			
			C	1	0.95		1	1	120.796			
Sum Weight:	3.429	27.161						OTM	323.975 kip-ft	4.886		

Force Totals

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M _x kip-ft	Sum of Overturning Moments, M _z kip-ft	Sum of Torques kip-ft
Leg Weight	27.161					
Bracing Weight	0.000					
Total Member Self-Weight	27.161					
Total Weight	44.102					
Wind 0 deg - No Ice		0.000	-32.836	-3053.666	2.276	-2.334
Wind 30 deg - No Ice		20.428	-35.382	-3004.887	-1731.811	3.114
Wind 45 deg - No Ice		26.471	-26.471	-2354.949	-2351.314	2.134
Wind 60 deg - No Ice		28.407	-16.401	-1526.129	-2638.703	-1.295
Wind 90 deg - No Ice		32.805	0.000	-1.359	-3047.864	-7.233
Wind 120 deg - No Ice		28.426	16.412	1524.553	-2640.681	-2.208
Wind 135 deg - No Ice		23.216	23.216	2157.114	-2156.197	2.374
Wind 150 deg - No Ice		16.420	28.440	2642.536	-1524.177	5.283
Wind 180 deg - No Ice		0.000	32.836	3050.948	2.276	2.334
Wind 210 deg - No Ice		-20.428	35.382	3002.169	1736.364	-3.114
Wind 225 deg - No Ice		-26.471	26.471	2352.231	2355.866	-2.134
Wind 240 deg - No Ice		-28.407	16.401	1523.411	2643.255	1.295
Wind 270 deg - No Ice		-32.805	0.000	-1.359	3052.416	7.233
Wind 300 deg - No Ice		-28.426	-16.412	-1527.271	2645.233	2.208
Wind 315 deg - No Ice		-23.216	-23.216	-2159.832	2160.749	-2.374
Wind 330 deg - No Ice		-16.420	-28.440	-2645.254	1528.730	-5.283
Member Ice	8.580					
Total Weight Ice	70.616			-3.029	4.347	
Wind 0 deg - Ice		0.000	-7.036	-680.338	4.347	-0.529
Wind 30 deg - Ice		4.012	-6.949	-633.341	-359.564	0.022
Wind 45 deg - Ice		5.290	-5.290	-504.461	-497.085	-0.227
Wind 60 deg - Ice		6.088	-3.515	-341.470	-581.850	-0.808
Wind 90 deg - Ice		7.031	0.000	-3.029	-672.641	-1.690
Wind 120 deg - Ice		6.092	3.517	335.599	-582.174	-0.745
Wind 135 deg - Ice		4.975	4.975	475.941	-474.622	0.082
Wind 150 deg - Ice		3.518	6.094	583.631	-334.361	0.669
Wind 180 deg - Ice		0.000	7.036	674.280	4.347	0.529
Wind 210 deg - Ice		-4.012	6.949	627.284	368.258	-0.022
Wind 225 deg - Ice		-5.290	5.290	498.403	505.780	0.227
Wind 240 deg - Ice		-6.088	3.515	335.412	590.544	0.808
Wind 270 deg - Ice		-7.031	0.000	-3.029	681.336	1.690
Wind 300 deg - Ice		-6.092	-3.517	-341.657	590.868	0.745
Wind 315 deg - Ice		-4.975	-4.975	-481.998	483.317	-0.082
Wind 330 deg - Ice		-3.518	-6.094	-589.688	343.055	-0.669
Total Weight	44.102			-1.359	2.276	
Wind 0 deg - Service		0.000	-6.258	-583.113	2.276	-0.445
Wind 30 deg - Service		3.893	-6.744	-573.816	-328.232	0.594
Wind 45 deg - Service		5.045	-5.045	-449.941	-446.306	0.407
Wind 60 deg - Service		5.414	-3.126	-291.972	-501.081	-0.247

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Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Wind 90 deg - Service		6.252	0.000	-1.359	-579.065	-1.378
Wind 120 deg - Service		5.418	3.128	289.472	-501.458	-0.421
Wind 135 deg - Service		4.425	4.425	410.035	-409.118	0.452
Wind 150 deg - Service		3.129	5.420	502.554	-288.658	1.007
Wind 180 deg - Service		0.000	6.258	580.395	2.276	0.445
Wind 210 deg - Service		-3.893	6.744	571.098	332.784	-0.594
Wind 225 deg - Service		-5.045	5.045	447.223	450.858	-0.407
Wind 240 deg - Service		-5.414	3.126	289.254	505.633	0.247
Wind 270 deg - Service		-6.252	0.000	-1.359	583.617	1.378
Wind 300 deg - Service		-5.418	-3.128	-292.190	506.010	0.421
Wind 315 deg - Service		-4.425	-4.425	-412.753	413.670	-0.452
Wind 330 deg - Service		-3.129	-5.420	-505.272	293.210	-1.007

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 45 deg - No Ice
7	0.9 Dead+1.0 Wind 45 deg - No Ice
8	1.2 Dead+1.0 Wind 60 deg - No Ice
9	0.9 Dead+1.0 Wind 60 deg - No Ice
10	1.2 Dead+1.0 Wind 90 deg - No Ice
11	0.9 Dead+1.0 Wind 90 deg - No Ice
12	1.2 Dead+1.0 Wind 120 deg - No Ice
13	0.9 Dead+1.0 Wind 120 deg - No Ice
14	1.2 Dead+1.0 Wind 135 deg - No Ice
15	0.9 Dead+1.0 Wind 135 deg - No Ice
16	1.2 Dead+1.0 Wind 150 deg - No Ice
17	0.9 Dead+1.0 Wind 150 deg - No Ice
18	1.2 Dead+1.0 Wind 180 deg - No Ice
19	0.9 Dead+1.0 Wind 180 deg - No Ice
20	1.2 Dead+1.0 Wind 210 deg - No Ice
21	0.9 Dead+1.0 Wind 210 deg - No Ice
22	1.2 Dead+1.0 Wind 225 deg - No Ice
23	0.9 Dead+1.0 Wind 225 deg - No Ice
24	1.2 Dead+1.0 Wind 240 deg - No Ice
25	0.9 Dead+1.0 Wind 240 deg - No Ice
26	1.2 Dead+1.0 Wind 270 deg - No Ice
27	0.9 Dead+1.0 Wind 270 deg - No Ice
28	1.2 Dead+1.0 Wind 300 deg - No Ice
29	0.9 Dead+1.0 Wind 300 deg - No Ice
30	1.2 Dead+1.0 Wind 315 deg - No Ice
31	0.9 Dead+1.0 Wind 315 deg - No Ice
32	1.2 Dead+1.0 Wind 330 deg - No Ice
33	0.9 Dead+1.0 Wind 330 deg - No Ice
34	1.2 Dead+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
39	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp

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Comb. No.	Description
40	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
41	1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp
42	1.2 Dead+1.0 Wind 150 deg-1.0 Ice-1.0 Temp
43	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
44	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
45	1.2 Dead+1.0 Wind 225 deg-1.0 Ice+1.0 Temp
46	1.2 Dead+1.0 Wind 240 deg+1.0 Ice-1.0 Temp
47	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
48	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
49	1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp
50	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
51	Dead+Wind 0 deg - Service
52	Dead+Wind 30 deg - Service
53	Dead+Wind 45 deg - Service
54	Dead+Wind 60 deg - Service
55	Dead+Wind 90 deg - Service
56	Dead+Wind 120 deg - Service
57	Dead+Wind 135 deg - Service
58	Dead+Wind 150 deg - Service
59	Dead+Wind 180 deg - Service
60	Dead+Wind 210 deg - Service
61	Dead+Wind 225 deg - Service
62	Dead+Wind 240 deg - Service
63	Dead+Wind 270 deg - Service
64	Dead+Wind 300 deg - Service
65	Dead+Wind 315 deg - Service
66	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 95.83	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-29.596	4.513	3.691
			Max. Mx	26	-17.297	464.290	1.555
			Max. My	2	-17.299	2.587	463.331
			Max. Vy	26	-18.075	464.290	1.555
			Max. Vx	2	-18.060	2.587	463.331
			Max. Torque	11			6.013
L2	95.83 - 47.83	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-52.832	4.756	3.345
			Max. Mx	26	-31.605	1540.354	1.586
			Max. My	2	-31.604	2.739	1539.731
			Max. Vy	26	-27.272	1540.354	1.586
			Max. Vx	2	-27.304	2.739	1539.731
			Max. Torque	11			7.067
L3	47.83 - 30	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-64.185	5.196	3.600
			Max. Mx	26	-39.822	2227.218	1.698
			Max. My	2	-39.821	2.888	2227.305
			Max. Vy	26	-29.865	2227.218	1.698
			Max. Vx	20	31.017	1224.128	-2113.466
			Max. Torque	11			7.154
L4	30 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-80.140	5.196	3.599
			Max. Mx	26	-52.909	3167.028	1.696
			Max. My	2	-52.909	2.896	3168.065
			Max. Vy	26	-32.827	3167.028	1.696

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	4	-35.404	-1792.973	3112.339
			Max. Torque	11			7.151

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	36	80.140	-4.012	6.950
	Max. H _x	26	52.923	32.805	0.000
	Max. H _z	4	52.923	-20.428	35.382
	Max. M _x	2	3168.065	0.000	32.836
	Max. M _z	10	3161.227	-32.805	0.000
	Max. Torsion	11	7.149	-32.805	0.000
	Min. Vert	15	39.692	-23.216	-23.216
	Min. H _x	10	52.923	-32.805	0.000
	Min. H _z	20	52.923	20.428	-35.382
	Min. M _x	18	-3164.595	0.000	-32.836
	Min. M _z	26	-3167.028	32.805	0.000
	Min. Torsion	27	-7.149	32.805	0.000

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	44.102	0.000	0.000	-1.396	2.333	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	52.923	-0.000	-32.836	-3168.065	2.896	-2.240
0.9 Dead+1.0 Wind 0 deg - No Ice	39.692	-0.000	-32.836	-3137.467	2.136	-2.261
1.2 Dead+1.0 Wind 30 deg - No Ice	52.923	20.428	-35.382	-3112.339	-1792.972	3.198
0.9 Dead+1.0 Wind 30 deg - No Ice	39.692	20.428	-35.382	-3083.508	-1777.361	3.171
1.2 Dead+1.0 Wind 45 deg - No Ice	52.923	26.471	-26.471	-2440.556	-2435.886	2.220
0.9 Dead+1.0 Wind 45 deg - No Ice	39.692	26.471	-26.471	-2417.533	-2414.090	2.194
1.2 Dead+1.0 Wind 60 deg - No Ice	52.923	28.407	-16.401	-1583.487	-2736.769	-1.200
0.9 Dead+1.0 Wind 60 deg - No Ice	39.692	28.407	-16.401	-1567.965	-2711.438	-1.223
1.2 Dead+1.0 Wind 90 deg - No Ice	52.923	32.805	-0.000	-1.696	-3161.227	-7.134
0.9 Dead+1.0 Wind 90 deg - No Ice	39.692	32.805	-0.000	-1.250	-3131.851	-7.149
1.2 Dead+1.0 Wind 120 deg - No Ice	52.923	28.426	16.412	1581.210	-2738.809	-2.185
0.9 Dead+1.0 Wind 120 deg - No Ice	39.692	28.426	16.412	1566.587	-2713.460	-2.187
1.2 Dead+1.0 Wind 135 deg - No Ice	52.923	23.216	23.216	2237.382	-2236.229	2.344

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Load Combination	Vertical	Shear _x	Shear _y	Overturning Moment, M _x	Overturning Moment, M _y	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 135 deg - No Ice	39.692	23.216	23.216	2216.516	-2215.665	2.349
1.2 Dead+1.0 Wind 150 deg - No Ice	52.923	16.420	28.440	2740.928	-1580.606	5.211
0.9 Dead+1.0 Wind 150 deg - No Ice	39.692	16.420	28.440	2715.270	-1566.282	5.223
1.2 Dead+1.0 Wind 180 deg - No Ice	52.923	-0.000	32.836	3164.595	2.896	2.240
0.9 Dead+1.0 Wind 180 deg - No Ice	39.692	-0.000	32.836	3134.909	2.136	2.261
1.2 Dead+1.0 Wind 210 deg - No Ice	52.923	-20.428	35.382	3108.839	1798.826	-3.198
0.9 Dead+1.0 Wind 210 deg - No Ice	39.692	-20.428	35.382	3080.928	1781.678	-3.171
1.2 Dead+1.0 Wind 225 deg - No Ice	52.923	-26.471	26.471	2437.051	2441.721	-2.220
0.9 Dead+1.0 Wind 225 deg - No Ice	39.692	-26.471	26.471	2414.950	2418.393	-2.194
1.2 Dead+1.0 Wind 240 deg - No Ice	52.923	-28.407	16.401	1580.013	2742.572	1.200
0.9 Dead+1.0 Wind 240 deg - No Ice	39.692	-28.407	16.401	1565.405	2715.718	1.223
1.2 Dead+1.0 Wind 270 deg - No Ice	52.923	-32.805	-0.000	-1.695	3167.028	7.134
0.9 Dead+1.0 Wind 270 deg - No Ice	39.692	-32.805	-0.000	-1.250	3136.130	7.149
1.2 Dead+1.0 Wind 300 deg - No Ice	52.923	-28.426	-16.412	-1584.652	2744.625	2.185
0.9 Dead+1.0 Wind 300 deg - No Ice	39.692	-28.426	-16.412	-1569.125	2717.751	2.187
1.2 Dead+1.0 Wind 315 deg - No Ice	52.923	-23.216	-23.216	-2240.865	2242.017	-2.344
0.9 Dead+1.0 Wind 315 deg - No Ice	39.692	-23.216	-23.216	-2219.084	2219.934	-2.349
1.2 Dead+1.0 Wind 330 deg - No Ice	52.923	-16.420	-28.440	-2744.423	1586.363	-5.211
0.9 Dead+1.0 Wind 330 deg - No Ice	39.692	-16.420	-28.440	-2717.847	1570.529	-5.223
1.2 Dead+1.0 Ice+1.0 Temp	80.140	-0.000	-0.000	-3.599	5.196	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	80.140	-0.000	-7.036	-724.882	5.328	-0.496
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	80.140	4.012	-6.950	-673.693	-381.497	0.065
1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp	80.140	5.290	-5.290	-537.142	-528.123	-0.184
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	80.140	6.089	-3.515	-364.062	-618.855	-0.768
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	80.140	7.031	-0.000	-3.687	-715.532	-1.662
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	80.140	6.092	3.517	356.882	-619.198	-0.737
1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp	80.140	4.975	4.975	506.314	-504.676	0.078
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	80.140	3.518	6.094	620.979	-355.327	0.654
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	80.140	-0.000	7.036	717.501	5.328	0.496
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	80.140	-4.012	6.950	666.311	392.155	-0.065
1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp	80.140	-5.290	5.290	529.760	538.779	0.184

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Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 240 deg+1.0 Ice-1.0 Temp	80.140	-6.089	3.515	356.682	629.510	0.768
1.2 Dead+1.0 Wind 270 deg+1.0 Ice-1.0 Temp	80.140	-7.031	-0.000	-3.687	726.187	1.662
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	80.140	-6.092	-3.517	-364.259	629.855	0.737
1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp	80.140	-4.975	-4.975	-513.695	515.332	-0.078
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	80.140	-3.518	-6.094	-628.361	365.980	-0.655
Dead+Wind 0 deg - Service	44.102	-0.000	-6.258	-601.546	2.404	-0.432
Dead+Wind 30 deg - Service	44.102	3.893	-6.744	-591.178	-338.081	0.610
Dead+Wind 45 deg - Service	44.102	5.045	-5.045	-463.762	-459.918	0.422
Dead+Wind 60 deg - Service	44.102	5.414	-3.126	-301.222	-516.837	-0.233
Dead+Wind 90 deg - Service	44.102	6.252	0.000	-1.437	-597.283	-1.370
Dead+Wind 120 deg - Service	44.102	5.418	3.128	298.570	-517.225	-0.420
Dead+Wind 135 deg - Service	44.102	4.425	4.425	422.936	-421.971	0.449
Dead+Wind 150 deg - Service	44.102	3.129	5.420	518.373	-297.710	1.000
Dead+Wind 180 deg - Service	44.102	-0.000	6.258	598.670	2.404	0.432
Dead+Wind 210 deg - Service	44.102	-3.893	6.744	588.300	342.891	-0.610
Dead+Wind 225 deg - Service	44.102	-5.045	5.045	460.884	464.728	-0.422
Dead+Wind 240 deg - Service	44.102	-5.414	3.126	298.346	521.646	0.233
Dead+Wind 270 deg - Service	44.102	-6.252	0.000	-1.437	602.092	1.370
Dead+Wind 300 deg - Service	44.102	-5.418	-3.128	-301.446	522.034	0.420
Dead+Wind 315 deg - Service	44.102	-4.425	-4.425	-425.813	426.779	-0.449
Dead+Wind 330 deg - Service	44.102	-3.129	-5.420	-521.251	302.517	-1.000

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-44.102	0.000	0.000	44.102	0.000	0.000%
2	0.000	-52.923	-32.836	0.000	52.923	32.836	0.000%
3	0.000	-39.692	-32.836	0.000	39.692	32.836	0.000%
4	20.428	-52.923	-35.382	-20.428	52.923	35.382	0.000%
5	20.428	-39.692	-35.382	-20.428	39.692	35.382	0.000%
6	26.471	-52.923	-26.471	-26.471	52.923	26.471	0.000%
7	26.471	-39.692	-26.471	-26.471	39.692	26.471	0.000%
8	28.407	-52.923	-16.401	-28.407	52.923	16.401	0.000%
9	28.407	-39.692	-16.401	-28.407	39.692	16.401	0.000%
10	32.805	-52.923	0.000	-32.805	52.923	0.000	0.000%
11	32.805	-39.692	0.000	-32.805	39.692	0.000	0.000%
12	28.426	-52.923	16.412	-28.426	52.923	-16.412	0.000%
13	28.426	-39.692	16.412	-28.426	39.692	-16.412	0.000%
14	23.216	-52.923	23.216	-23.216	52.923	-23.216	0.000%
15	23.216	-39.692	23.216	-23.216	39.692	-23.216	0.000%
16	16.420	-52.923	28.440	-16.420	52.923	-28.440	0.000%
17	16.420	-39.692	28.440	-16.420	39.692	-28.440	0.000%
18	0.000	-52.923	32.836	0.000	52.923	-32.836	0.000%
19	0.000	-39.692	32.836	0.000	39.692	-32.836	0.000%
20	-20.428	-52.923	35.382	20.428	52.923	-35.382	0.000%
21	-20.428	-39.692	35.382	20.428	39.692	-35.382	0.000%
22	-26.471	-52.923	26.471	26.471	52.923	-26.471	0.000%
23	-26.471	-39.692	26.471	26.471	39.692	-26.471	0.000%
24	-28.407	-52.923	16.401	28.407	52.923	-16.401	0.000%
25	-28.407	-39.692	16.401	28.407	39.692	-16.401	0.000%
26	-32.805	-52.923	0.000	32.805	52.923	0.000	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
27	-32.805	-39.692	0.000	32.805	39.692	0.000	0.000%
28	-28.426	-52.923	-16.412	28.426	52.923	16.412	0.000%
29	-28.426	-39.692	-16.412	28.426	39.692	16.412	0.000%
30	-23.216	-52.923	-23.216	23.216	52.923	23.216	0.000%
31	-23.216	-39.692	-23.216	23.216	39.692	23.216	0.000%
32	-16.420	-52.923	-28.440	16.420	52.923	28.440	0.000%
33	-16.420	-39.692	-28.440	16.420	39.692	28.440	0.000%
34	0.000	-80.140	0.000	0.000	80.140	0.000	0.000%
35	0.000	-80.140	-7.036	0.000	80.140	7.036	0.000%
36	4.012	-80.140	-6.949	-4.012	80.140	6.950	0.000%
37	5.290	-80.140	-5.290	-5.290	80.140	5.290	0.000%
38	6.088	-80.140	-3.515	-6.089	80.140	3.515	0.000%
39	7.031	-80.140	0.000	-7.031	80.140	0.000	0.000%
40	6.092	-80.140	3.517	-6.092	80.140	-3.517	0.000%
41	4.975	-80.140	4.975	-4.975	80.140	-4.975	0.000%
42	3.518	-80.140	6.094	-3.518	80.140	-6.094	0.000%
43	0.000	-80.140	7.036	0.000	80.140	-7.036	0.000%
44	-4.012	-80.140	6.949	4.012	80.140	-6.950	0.000%
45	-5.290	-80.140	5.290	5.290	80.140	-5.290	0.000%
46	-6.088	-80.140	3.515	6.089	80.140	-3.515	0.000%
47	-7.031	-80.140	0.000	7.031	80.140	0.000	0.000%
48	-6.092	-80.140	-3.517	6.092	80.140	3.517	0.000%
49	-4.975	-80.140	-4.975	4.975	80.140	4.975	0.000%
50	-3.518	-80.140	-6.094	3.518	80.140	6.094	0.000%
51	0.000	-44.102	-6.258	0.000	44.102	6.258	0.000%
52	3.893	-44.102	-6.744	-3.893	44.102	6.744	0.000%
53	5.045	-44.102	-5.045	-5.045	44.102	5.045	0.000%
54	5.414	-44.102	-3.126	-5.414	44.102	3.126	0.000%
55	6.252	-44.102	0.000	-6.252	44.102	0.000	0.000%
56	5.418	-44.102	3.128	-5.418	44.102	-3.128	0.000%
57	4.425	-44.102	4.425	-4.425	44.102	-4.425	0.000%
58	3.129	-44.102	5.420	-3.129	44.102	-5.420	0.000%
59	0.000	-44.102	6.258	0.000	44.102	-6.258	0.000%
60	-3.893	-44.102	6.744	3.893	44.102	-6.744	0.000%
61	-5.045	-44.102	5.045	5.045	44.102	-5.045	0.000%
62	-5.414	-44.102	3.126	5.414	44.102	-3.126	0.000%
63	-6.252	-44.102	0.000	6.252	44.102	0.000	0.000%
64	-5.418	-44.102	-3.128	5.418	44.102	3.128	0.000%
65	-4.425	-44.102	-4.425	4.425	44.102	4.425	0.000%
66	-3.129	-44.102	-5.420	3.129	44.102	5.420	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00070509
3	Yes	4	0.00000001	0.00044020
4	Yes	5	0.00000001	0.00038100
5	Yes	5	0.00000001	0.00017273
6	Yes	5	0.00000001	0.00039027
7	Yes	5	0.00000001	0.00017679
8	Yes	5	0.00000001	0.00031582
9	Yes	5	0.00000001	0.00014710
10	Yes	5	0.00000001	0.00009341
11	Yes	5	0.00000001	0.00004531

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12	Yes	5	0.00000001	0.00029256
13	Yes	5	0.00000001	0.00013560
14	Yes	5	0.00000001	0.00035016
15	Yes	5	0.00000001	0.00016193
16	Yes	5	0.00000001	0.00028161
17	Yes	5	0.00000001	0.00013022
18	Yes	4	0.00000001	0.00070383
19	Yes	4	0.00000001	0.00043968
20	Yes	5	0.00000001	0.00034218
21	Yes	5	0.00000001	0.00015384
22	Yes	5	0.00000001	0.00039104
23	Yes	5	0.00000001	0.00017703
24	Yes	5	0.00000001	0.00030055
25	Yes	5	0.00000001	0.00013925
26	Yes	5	0.00000001	0.00009361
27	Yes	5	0.00000001	0.00004536
28	Yes	5	0.00000001	0.00032719
29	Yes	5	0.00000001	0.00015236
30	Yes	5	0.00000001	0.00035333
31	Yes	5	0.00000001	0.00016293
32	Yes	5	0.00000001	0.00034643
33	Yes	5	0.00000001	0.00016206
34	Yes	4	0.00000001	0.00004095
35	Yes	5	0.00000001	0.00021339
36	Yes	5	0.00000001	0.00022924
37	Yes	5	0.00000001	0.00022923
38	Yes	5	0.00000001	0.00021885
39	Yes	5	0.00000001	0.00020920
40	Yes	5	0.00000001	0.00021593
41	Yes	5	0.00000001	0.00021874
42	Yes	5	0.00000001	0.00021614
43	Yes	5	0.00000001	0.00020924
44	Yes	5	0.00000001	0.00022885
45	Yes	5	0.00000001	0.00023013
46	Yes	5	0.00000001	0.00022080
47	Yes	5	0.00000001	0.00021466
48	Yes	5	0.00000001	0.00022402
49	Yes	5	0.00000001	0.00022648
50	Yes	5	0.00000001	0.00022369
51	Yes	4	0.00000001	0.00005951
52	Yes	4	0.00000001	0.00012130
53	Yes	4	0.00000001	0.00011460
54	Yes	4	0.00000001	0.00009489
55	Yes	4	0.00000001	0.00009379
56	Yes	4	0.00000001	0.00008637
57	Yes	4	0.00000001	0.00010109
58	Yes	4	0.00000001	0.00009096
59	Yes	4	0.00000001	0.00005895
60	Yes	4	0.00000001	0.00010301
61	Yes	4	0.00000001	0.00011544
62	Yes	4	0.00000001	0.00008831
63	Yes	4	0.00000001	0.00009524
64	Yes	4	0.00000001	0.00010306
65	Yes	4	0.00000001	0.00010440
66	Yes	4	0.00000001	0.00011849

Maximum Tower Deflections - Service Wind

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 95.83	16.055	52	0.857	0.008
L2	101 - 47.83	7.749	52	0.709	0.004
L3	54 - 30	2.176	52	0.383	0.001
L4	30 - 0	0.646	52	0.205	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.000	10-ft Dipole	52	15.875	0.855	0.008	97444
128.000	OPA65R-BU6D	52	12.153	0.809	0.007	22146
125.000	SitePro RMQP-4120-H10	52	11.635	0.801	0.006	19488
116.000	13' Platform w/rails	52	10.118	0.773	0.006	14329
105.000	FFVV-65B-R2	52	8.358	0.729	0.005	10827
80.000	XXDWMM-12.5-65-8T	52	4.881	0.580	0.003	8743
78.000	Valmont 13' Low Profile Platform	52	4.638	0.565	0.003	8642
40.000	Stand-off	52	1.158	0.277	0.001	6588

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 95.83	84.713	4	4.524	0.044
L2	101 - 47.83	40.908	4	3.748	0.022
L3	54 - 30	11.487	4	2.025	0.007
L4	30 - 0	3.410	4	1.080	0.003

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.000	10-ft Dipole	4	83.767	4.513	0.044	18752
128.000	OPA65R-BU6D	4	64.137	4.272	0.034	4259
125.000	SitePro RMQP-4120-H10	4	61.407	4.229	0.033	3748
116.000	13' Platform w/rails	4	53.406	4.082	0.029	2754
105.000	FFVV-65B-R2	4	44.119	3.850	0.024	2079
80.000	XXDWMM-12.5-65-8T	4	25.767	3.062	0.015	1666
78.000	Valmont 13' Low Profile Platform	4	24.485	2.987	0.014	1646
40.000	Stand-off	4	6.110	1.465	0.005	1249

Base Plate Design Data

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Plate Thickness	Number of Anchor Bolts	Anchor Bolt Size	Actual Allowable Bolt Tension Ratio	Actual Allowable Concrete Stress Ratio	Actual Allowable Plate Stiffener Stress Ratio	Controlling Condition	Critical Ratio
in		in	K	ksi	ksi		
2.750	16	2.250	141.636	2.525	33.900	Plate	0.63
			243.576	4.080	54.000		✓
			0.58	0.62	0.63		

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio P _u /φP _n
	ft		ft	ft		in ²	K	K	
L1	150 - 95.83 (1)	TP33.469x23.61x0.281	54.170	0.000	0.0	29.209	-17.207	1708.710	0.010
L2	95.83 - 47.83 (2)	TP41.644x31.965x0.375	53.170	0.000	0.0	48.476	-31.375	2835.850	0.011
L3	47.83 - 30 (3)	TP44.139x39.771x0.438	24.000	0.000	0.0	61.564	-39.649	3601.520	0.011
L4	30 - 0 (4)	TP49.6x44.139x0.58	30.000	0.000	0.0	91.550	-52.903	5355.660	0.010

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{nx}	Ratio M _{ux} /φM _{nx}	M _{uy}	φM _{ny}	Ratio M _{uy} /φM _{ny}
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	150 - 95.83 (1)	TP33.469x23.61x0.281	468.912	1248.942	0.375	0.000	1248.942	0.000
L2	95.83 - 47.83 (2)	TP41.644x31.965x0.375	1635.942	2657.917	0.615	0.000	2657.917	0.000
L3	47.83 - 30 (3)	TP44.139x39.771x0.438	2442.483	3775.192	0.647	0.000	3775.192	0.000
L4	30 - 0 (4)	TP49.6x44.139x0.58	3591.850	6654.092	0.540	0.000	6654.092	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V _u	φV _n	Ratio V _u /φV _n	Actual T _u	φT _n	Ratio T _u /φT _n
	ft		K	K		kip-ft	kip-ft	
L1	150 - 95.83 (1)	TP33.469x23.61x0.281	18.362	512.612	0.036	1.664	1454.033	0.001
L2	95.83 - 47.83 (2)	TP41.644x31.965x0.375	31.262	850.756	0.037	3.401	3004.317	0.001
L3	47.83 - 30 (3)	TP44.139x39.771x0.438	35.816	1080.460	0.033	3.199	4153.400	0.001
L4	30 - 0 (4)	TP49.6x44.139x0.58	40.880	1606.700	0.025	3.198	6927.992	0.000

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Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Ratio V_u	Ratio T_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		ϕP_u	ϕM_{ux}	ϕM_{uy}	ϕV_u	ϕT_u			
L1	150 - 95.83 (1)	0.010	0.375	0.000	0.036	0.001	0.387	1.000	✓
L2	95.83 - 47.83 (2)	0.011	0.615	0.000	0.037	0.001	0.628	1.000	✓
L3	47.83 - 30 (3)	0.011	0.647	0.000	0.033	0.001	0.659	1.000	✓
L4	30 - 0 (4)	0.010	0.540	0.000	0.025	0.000	0.550	1.000	✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 95.83	Pole	TP33.469x23.61x0.281	1	-17.207	1708.710	38.7	Pass
L2	95.83 - 47.83	Pole	TP41.644x31.965x0.375	2	-31.375	2835.850	62.8	Pass
L3	47.83 - 30	Pole	TP44.139x39.771x0.438	3	-39.649	3601.520	65.9	Pass
L4	30 - 0	Pole	TP49.6x44.139x0.58	4	-52.903	5355.660	55.0	Pass
Summary								
Pole (L3)							65.9	Pass
Base Plate							62.8	Pass
RATING =							65.9	Pass

Caisson Foundation:

Input Data:

Shear Force =	S := 41k	USER INPUT-FROM RisaTower
Overturing Moment =	M := 3577ft-k	USER INPUT-FROM RisaTower
Applied Axial Load =	A1 := 53k	USER INPUT-FROM RisaTower
Bending Moment =	Mu := 3778ft-k	USER INPUT-FROM LPILE
Moment Capacity =	Mn := 9456ft-k	USER INPUT-FROM LPILE
Foundation Diameter =	d := 6.6ft	USER INPUT
Overall Length of Caisson =	L _c := 26.5ft	USER INPUT
Depth From Top of Caisson to Grade =	L _{pag} := 1ft	USER INPUT
Number of Rebar =	n := 40	USER INPUT
Area of Rebar =	A _r := 1.56in ²	USER INPUT
Rebar Yield Strength =	f _y := 60ksi	USER INPUT
Concrete Comp Strength =	f _c := 3.0ksi	USER INPUT

Check Moment Capacity:

Factor of Safety =	$FS := \frac{0.9M_n}{M_u} = 2.3$
Factor of Safety Required =	FS _{reqd} := 1.0
	FOSCheck := if(FS ≥ FS _{reqd} , "OK", "NO GOOD")
	FOSCheck = "OK"

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Path to file locations:

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(3)\Calcs\Foundation\

Name of input data file:

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Name of output report file:

Caisson Analysis.lp12o

Name of plot output file:

Caisson Analysis.lp12p

Name of runtime message file:

Caisson Analysis.lp12r

Date and Time of Analysis

Date: January 3, 2024

Time: 14:53:44

Problem Title

22115.01 - Fairfield 2

Job Number:

Client:

Engineer:

Description:

Program Options and Settings

Computational Options:

- Conventional Analysis

Engineering Units Used for Data Input and Computations:

- US Customary System Units (pounds, feet, inches)

Analysis Control Options:

- Maximum number of iterations allowed = 100
- Deflection tolerance for convergence = 1.0000E-05 in
- Maximum allowable deflection = 100.0000 in
- Number of pile increments = 100

Loading Type and Number of Cycles of Loading:

- Static loading specified

- Use of p-y modification factors for p-y curves not selected
- Analysis uses layering correction (Method of Georgiadis)
- No distributed lateral loads are entered
- Loading by lateral soil movements acting on pile not selected
- Input of shear resistance at the pile tip not selected
- Input of moment resistance at the pile tip not selected
- Compute pile-head foundation stiffness matrix
- Push-over analysis of pile not selected
- Buckling analysis of pile not selected

Output Options:

- Output files use decimal points to denote decimal symbols.
- Values of pile-head deflection, bending moment, shear force, and soil reaction are printed for full length of pile.
- Printing Increment (nodal spacing of output points) = 8
- No p-y curves to be computed and reported for user-specified depths
- Print using wide report formats

Pile Structural Properties and Geometry

Number of pile sections defined = 1
Total length of pile = 26.500 ft
Depth of ground surface below top of pile = 1.0000 ft

Pile diameters used for p-y curve computations are defined using 2 points.

p-y curves are computed using pile diameter values interpolated with depth over the length of the pile. A summary of values of pile diameter vs. depth follows.

Point No.	Depth Below Pile Head feet	Pile Diameter inches
1	0.000	78.0000
2	26.500	78.0000

Input Structural Properties for Pile Sections:

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile
Length of section = 26.500000 ft
Shaft Diameter = 78.000000 in

Control Data for Pile-head Stiffness Computations

Computation Method 0 - Use loads from Load Case 1

Number of K-matrix points to generate = 10
Point distribution method = logarithmic distribution

Soil and Rock Layering Information

The soil profile is modelled using 3 layers

Layer 1 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 1.000000 ft
Distance from top of pile to bottom of layer = 4.000000 ft
Effective unit weight at top of layer = 98.496000 pcf
Effective unit weight at bottom of layer = 98.496000 pcf
Friction angle at top of layer = 30.000000 deg.
Friction angle at bottom of layer = 30.000000 deg.
Subgrade k at top of layer = 10.000000 pci
Subgrade k at bottom of layer = 10.000000 pci

Layer 2 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 4.000000 ft
Distance from top of pile to bottom of layer = 9.500000 ft
Effective unit weight at top of layer = 119.232000 pcf
Effective unit weight at bottom of layer = 119.232000 pcf
Friction angle at top of layer = 35.000000 deg.
Friction angle at bottom of layer = 35.000000 deg.
Subgrade k at top of layer = 90.000000 pci
Subgrade k at bottom of layer = 90.000000 pci

Layer 3 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer = 9.500000 ft
Distance from top of pile to bottom of layer = 26.500000 ft
Effective unit weight at top of layer = 105.408000 pcf
Effective unit weight at bottom of layer = 105.408000 pcf
Friction angle at top of layer = 30.000000 deg.

Friction angle at bottom of layer = 30.000000 deg.
 Subgrade k at top of layer = 27.000000 pci
 Subgrade k at bottom of layer = 27.000000 pci

(Depth of the lowest soil layer extends 0.000 ft below the pile tip)

 Summary of Input Soil Properties

Layer Num.	Soil Type Name (p-y Curve Type)	Layer Depth ft	Effective Unit Wt. pcf	Angle of Friction deg.	kpy pci
1	Sand (Reese, et al.)	1.0000	98.4960	30.0000	10.0000
		4.0000	98.4960	30.0000	10.0000
2	Sand (Reese, et al.)	4.0000	119.2320	35.0000	90.0000
		9.5000	119.2320	35.0000	90.0000
3	Sand (Reese, et al.)	9.5000	105.4080	30.0000	27.0000
		26.5000	105.4080	30.0000	27.0000

 Static Loading Type

Static loading criteria were used when computing p-y curves for all analyses.

 Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 2

Load Compute No.	Load Top y Type vs. Pile Length	Condition Run Analysis 1	Condition 2	Axial Thrust Force, lbs
1	1	V = 41000. lbs	M = 43104000. in-lbs	53000.
No		Yes		
2	1	V = 9000. lbs	M = 9192000. in-lbs	53000.
No		Yes		

V = shear force applied normal to pile axis

M = bending moment applied to pile head
 y = lateral deflection normal to pile axis
 S = pile slope relative to original pile batter angle
 R = rotational stiffness applied to pile head
 Values of top y vs. pile lengths can be computed only for load types with specified shear loading (Load Types 1, 2, and 3).
 Thrust force is assumed to be acting axially for all pile batter angles.

 Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Axial thrust force values were determined from pile-head loading conditions

Number of Pile Sections Analyzed = 1

Pile Section No. 1:

Dimensions and Properties of Drilled Shaft (Bored Pile):

Length of Section	=	26.500000 ft
Shaft Diameter	=	78.000000 in
Concrete Cover Thickness (to edge of long. rebar)	=	3.295327 in
Number of Reinforcing Bars	=	40 bars
Yield Stress of Reinforcing Bars	=	60000. psi
Modulus of Elasticity of Reinforcing Bars	=	29000000. psi
Gross Area of Shaft	=	4778. sq. in.
Total Area of Reinforcing Steel	=	62.400000 sq. in.
Area Ratio of Steel Reinforcement	=	1.31 percent
Edge-to-Edge Bar Spacing	=	4.082085 in
Maximum Concrete Aggregate Size	=	0.750000 in
Ratio of Bar Spacing to Aggregate Size	=	5.44
Offset of Center of Rebar Cage from Center of Pile	=	0.0000 in

Axial Structural Capacities:

Nom. Axial Structural Capacity = $0.85 F_c A_c + F_y A_s$	=	15769.704 kips
Tensile Load for Cracking of Concrete	=	-1917.120 kips
Nominal Axial Tensile Capacity	=	-3744.000 kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
-----	-----	-----	-----	-----

1	1.410000	1.560000	34.999673	0.000000
2	1.410000	1.560000	34.568769	5.475155
3	1.410000	1.560000	33.286667	10.815494
4	1.410000	1.560000	31.184937	15.889519
5	1.410000	1.560000	28.315330	20.572291
6	1.410000	1.560000	24.748506	24.748506
7	1.410000	1.560000	20.572291	28.315330
8	1.410000	1.560000	15.889519	31.184937
9	1.410000	1.560000	10.815494	33.286667
10	1.410000	1.560000	5.475155	34.568769
11	1.410000	1.560000	0.000000	34.999673
12	1.410000	1.560000	-5.47516	34.568769
13	1.410000	1.560000	-10.81549	33.286667
14	1.410000	1.560000	-15.88952	31.184937
15	1.410000	1.560000	-20.57229	28.315330
16	1.410000	1.560000	-24.74851	24.748506
17	1.410000	1.560000	-28.31533	20.572291
18	1.410000	1.560000	-31.18494	15.889519
19	1.410000	1.560000	-33.28667	10.815494
20	1.410000	1.560000	-34.56877	5.475155
21	1.410000	1.560000	-34.99967	0.000000
22	1.410000	1.560000	-34.56877	-5.47516
23	1.410000	1.560000	-33.28667	-10.81549
24	1.410000	1.560000	-31.18494	-15.88952
25	1.410000	1.560000	-28.31533	-20.57229
26	1.410000	1.560000	-24.74851	-24.74851
27	1.410000	1.560000	-20.57229	-28.31533
28	1.410000	1.560000	-15.88952	-31.18494
29	1.410000	1.560000	-10.81549	-33.28667
30	1.410000	1.560000	-5.47516	-34.56877
31	1.410000	1.560000	0.000000	-34.99967
32	1.410000	1.560000	5.475155	-34.56877
33	1.410000	1.560000	10.815494	-33.28667
34	1.410000	1.560000	15.889519	-31.18494
35	1.410000	1.560000	20.572291	-28.31533
36	1.410000	1.560000	24.748506	-24.74851
37	1.410000	1.560000	28.315330	-20.57229
38	1.410000	1.560000	31.184937	-15.88952
39	1.410000	1.560000	33.286667	-10.81549
40	1.410000	1.560000	34.568769	-5.47516

NOTE: The positions of the above rebars were computed by LPile

Minimum spacing between any two bars not equal to zero = 4.082 inches
between bars 34 and 35.

Ratio of bar spacing to maximum aggregate size = 5.44

Concrete Properties:

Compressive Strength of Concrete	=	3000. psi
Modulus of Elasticity of Concrete	=	3122019. psi
Modulus of Rupture of Concrete	=	-410.79192 psi
Compression Strain at Peak Stress	=	0.001634
Tensile Strain at Fracture of Concrete	=	-0.0001160
Maximum Coarse Aggregate Size	=	0.750000 in

Number of Axial Thrust Force Values Determined from Pile-head Loadings = 1

Number	Axial Thrust Force kips
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1	53.000

Definitions of Run Messages and Notes:

- C = concrete in section has cracked in tension.
- Y = stress in reinforcing steel has reached yield stress.
- T = ACI 318 criteria for tension-controlled section met, tensile strain in reinforcement exceeds 0.005 while simultaneously compressive strain in concrete more than 0.003. See ACI 318-14, Section 21.2.3.
- Z = depth of tensile zone in concrete section is less than 10 percent of section depth.

Bending Stiffness (EI) = Computed Bending Moment / Curvature.
 Position of neutral axis is measured from edge of compression side of pile.
 Compressive stresses and strains are positive in sign.
 Tensile stresses and strains are negative in sign.

Axial Thrust Force = 53.000 kips

Bending Max Conc Curvature Stress rad/in. ksi	Bending Max Steel Moment Stress in-kip ksi	Bending Run Msg	Bending Stiffness kip-in ²	Depth to N Axis in	Max Comp Strain in/in	Max Tens Strain in/in
-----	-----	-----	-----	-----	-----	-----
4.16667E-07	3175.	7619170489.	45.6745873	0.00001903	-0.00001347	
0.0689033	0.5094888					
8.33333E-07	6332.	7597949858.	42.3499833	0.00003529	-0.00002971	
0.1270567	0.9386329					
0.00000125	9470.	7576203270.	41.2418888	0.00005155	-0.00004595	
0.1846278	1.3677810					

0.00000167	12591.	7554323668.	40.6878993	0.00006781	-0.00006219
0.2416166	1.7969318				
0.00000208	15692.	7532390692.	40.3555480	0.00008407	-0.00007843
0.2980230	2.2260852				
0.00000250	18776.	7510431015.	40.1340159	0.0001003	-0.00009466
0.3538470	2.6552412				
0.00000292	21841.	7488456062.	39.9758085	0.0001166	-0.000111
0.4090886	3.0843996				
0.00000333	21841.	6552399054.	23.8866101	0.00007962	-0.000180
0.2807776	-4.891660 C				
0.00000375	21841.	5824354715.	23.6108836	0.00008854	-0.000204
0.3113110	-5.533103 C				
0.00000417	21841.	5241919243.	23.3894623	0.00009746	-0.000228
0.3416599	-6.174646 C				
0.00000458	21841.	4765381130.	23.2098936	0.0001064	-0.000251
0.3718617	-6.815978 C				
0.00000500	21841.	4368266036.	23.0617206	0.0001153	-0.000275
0.4019160	-7.457097 C				
0.00000542	21841.	4032245572.	22.9353026	0.0001242	-0.000298
0.4317777	-8.098384 C				
0.00000583	21841.	3744228031.	22.8267294	0.0001332	-0.000322
0.4614631	-8.739703 C				
0.00000625	21841.	3494612829.	22.7338323	0.0001421	-0.000345
0.4910015	-9.380802 C				
0.00000667	21841.	3276199527.	22.6537079	0.0001510	-0.000369
0.5203925	-10.021679 C				
0.00000708	21841.	3083481908.	22.5840942	0.0001600	-0.000393
0.5496359	-10.662333 C				
0.00000750	21841.	2912177357.	22.5232440	0.0001689	-0.000416
0.5787313	-11.302763 C				
0.00000792	21841.	2758904865.	22.4697780	0.0001779	-0.000440
0.6076784	-11.942968 C				
0.00000833	21841.	2620959622.	22.4225927	0.0001869	-0.000463
0.6364768	-12.582948 C				
0.00000875	21841.	2496152021.	22.3807949	0.0001958	-0.000487
0.6651261	-13.222700 C				
0.00000917	21841.	2382690565.	22.3436538	0.0002048	-0.000510
0.6936261	-13.862225 C				
0.00000958	21841.	2279095323.	22.3105657	0.0002138	-0.000534
0.7219763	-14.501521 C				
0.00001000	21841.	2184133018.	22.2810277	0.0002228	-0.000557
0.7501764	-15.140587 C				
0.00001042	22438.	2154058164.	22.2546171	0.0002318	-0.000581
0.7782260	-15.779422 C				
0.00001083	23289.	2149792193.	22.2309765	0.0002408	-0.000604
0.8061249	-16.418025 C				
0.00001125	24140.	2145780432.	22.2091304	0.0002499	-0.000628
0.8338468	-17.056634 C				
0.00001167	24990.	2141997806.	22.1894698	0.0002589	-0.000651
0.8614170	-17.695013 C				
0.00001208	25839.	2138420495.	22.1718587	0.0002679	-0.000675

0.8888365	-18.333149 C				
0.00001250	26688.	2135027744.	22.1560956	0.0002770	-0.000698
0.9161048	-18.971040 C				
0.00001292	27536.	2131801473.	22.1420047	0.0002860	-0.000721
0.9432216	-19.608687 C				
0.00001333	28383.	2128725864.	22.1294324	0.0002951	-0.000745
0.9701866	-20.246086 C				
0.00001375	29230.	2125787010.	22.1182436	0.0003041	-0.000768
0.9969993	-20.883238 C				
0.00001417	30075.	2122972643.	22.1083193	0.0003132	-0.000792
1.0236593	-21.520140 C				
0.00001458	30921.	2120271893.	22.0995539	0.0003223	-0.000815
1.0501662	-22.156793 C				
0.00001500	31765.	2117675095.	22.0918537	0.0003314	-0.000839
1.0765197	-22.793194 C				
0.00001542	32609.	2115173630.	22.0851352	0.0003405	-0.000862
1.1027194	-23.429342 C				
0.00001583	33452.	2112759783.	22.0793236	0.0003496	-0.000885
1.1287648	-24.065236 C				
0.00001625	34294.	2110426630.	22.0743518	0.0003587	-0.000909
1.1546555	-24.700874 C				
0.00001708	35977.	2105978075.	22.0666924	0.0003770	-0.000956
1.2059715	-25.971380 C				
0.00001792	37657.	2101784964.	22.0617030	0.0003953	-0.001002
1.2566640	-27.240849 C				
0.00001875	39334.	2097811883.	22.0591165	0.0004136	-0.001049
1.3067296	-28.509271 C				
0.00001958	41008.	2094029457.	22.0586136	0.0004320	-0.001096
1.3561651	-29.776635 C				
0.00002042	42679.	2090413074.	22.0599577	0.0004504	-0.001142
1.4049669	-31.042929 C				
0.00002125	44348.	2086941963.	22.0629498	0.0004688	-0.001189
1.4531317	-32.308142 C				
0.00002208	46013.	2083598466.	22.0674212	0.0004873	-0.001235
1.5006558	-33.572264 C				
0.00002292	47675.	2080367473.	22.0732281	0.0005058	-0.001282
1.5475357	-34.835281 C				
0.00002375	49334.	2077235976.	22.0802470	0.0005244	-0.001328
1.5937678	-36.097184 C				
0.00002458	50991.	2074192707.	22.0883718	0.0005430	-0.001374
1.6393483	-37.357959 C				
0.00002542	52644.	2071227858.	22.0975105	0.0005616	-0.001421
1.6842735	-38.617593 C				
0.00002625	54294.	2068332835.	22.1076346	0.0005803	-0.001467
1.7285396	-39.876076 C				
0.00002708	55941.	2065500114.	22.1185719	0.0005990	-0.001513
1.7721427	-41.133392 C				
0.00002792	57584.	2062723016.	22.1303120	0.0006178	-0.001560
1.8150788	-42.389531 C				
0.00002875	59225.	2059995630.	22.1428010	0.0006366	-0.001606
1.8573440	-43.644477 C				

0.00002958	60862.	2057312688.	22.1559916	0.0006554	-0.001652
1.8989341	-44.898218 C				
0.00003042	62496.	2054669481.	22.1698418	0.0006743	-0.001698
1.9398451	-46.150739 C				
0.00003125	64127.	2052061781.	22.1843146	0.0006933	-0.001744
1.9800727	-47.402027 C				
0.00003208	65754.	2049485781.	22.1993771	0.0007122	-0.001790
2.0196126	-48.652067 C				
0.00003292	67378.	2046938038.	22.2150000	0.0007312	-0.001836
2.0584604	-49.900844 C				
0.00003375	68999.	2044415579.	22.2310533	0.0007503	-0.001882
2.0966088	-51.148386 C				
0.00003458	70616.	2041917590.	22.2470745	0.0007694	-0.001928
2.1340151	-52.395240 C				
0.00003542	72230.	2039439722.	22.2635621	0.0007885	-0.001974
2.1707139	-53.640840 C				
0.00003625	73841.	2036979617.	22.2804982	0.0008077	-0.002020
2.2067009	-54.885172 C				
0.00003708	75447.	2034535109.	22.2978666	0.0008269	-0.002066
2.2419713	-56.128221 C				
0.00003792	77051.	2032104205.	22.3157133	0.0008461	-0.002111
2.2765205	-57.369970 C				
0.00003875	78650.	2029685065.	22.3339058	0.0008654	-0.002157
2.3103438	-58.610405 C				
0.00003958	80246.	2027275981.	22.3524920	0.0008848	-0.002203
2.3434363	-59.849508 C				
0.00004042	81764.	2023018623.	22.3642129	0.0009039	-0.002249
2.3753023	-60.000000 CY				
0.00004125	83069.	2013782414.	22.3564190	0.0009222	-0.002295
2.4050925	-60.000000 CY				
0.00004208	84224.	2001361276.	22.3357191	0.0009400	-0.002343
2.4332662	-60.000000 CY				
0.00004292	85313.	1987879786.	22.3105146	0.0009575	-0.002390
2.4604020	-60.000000 CY				
0.00004375	86290.	1972341557.	22.2763127	0.0009746	-0.002438
2.4862099	-60.000000 CY				
0.00004458	87194.	1955762972.	22.2372630	0.0009914	-0.002486
2.5109816	-60.000000 CY				
0.00004542	88090.	1939602164.	22.1984045	0.0010082	-0.002534
2.5350566	-60.000000 CY				
0.00004625	88905.	1922264305.	22.1530462	0.0010246	-0.002583
2.5580129	-60.000000 CY				
0.00004708	89644.	1903934274.	22.1023289	0.0010407	-0.002632
2.5799368	-60.000000 CY				
0.00004792	90369.	1885970008.	22.0528302	0.0010567	-0.002681
2.6012666	-60.000000 CY				
0.00004875	91094.	1868587272.	22.0056091	0.0010728	-0.002730
2.6220781	-60.000000 CY				
0.00004958	91774.	1850910511.	21.9561419	0.0010887	-0.002779
2.6420916	-60.000000 CY				
0.00005292	94066.	1777632946.	21.7370498	0.0011503	-0.002977

2.7144980	-60.000000	CY				
0.00005625	96052.	1707589622.	21.5213406	0.0012106	-0.003177	
2.7774650	-60.000000	CY				
0.00005958	97757.	1640685291.	21.3034524	0.0012693	-0.003378	
2.8312218	-60.000000	CY				
0.00006292	99252.	1577511809.	21.0894639	0.0013269	-0.003581	
2.8766691	-60.000000	CY				
0.00006625	100496.	1516917431.	20.8767121	0.0013831	-0.003784	
2.9141664	-60.000000	CY				
0.00006958	101726.	1461925924.	20.6894582	0.0014396	-0.003988	
2.9450650	-60.000000	CY				
0.00007292	102719.	1408723638.	20.4891736	0.0014940	-0.004193	
2.9682723	-60.000000	CY				
0.00007625	103578.	1358400901.	20.2932316	0.0015474	-0.004400	
2.9849252	-60.000000	CY				
0.00007958	104425.	1312150272.	20.1214706	0.0016013	-0.004606	
2.9955007	-60.000000	CY				
0.00008292	105261.	1269478028.	19.9639173	0.0016553	-0.004812	
2.9998789	-60.000000	CY				
0.00008625	105928.	1228154003.	19.8018278	0.0017079	-0.005020	
2.9992067	-60.000000	CY				
0.00008958	106483.	1188651108.	19.6357001	0.0017590	-0.005228	
2.9972771	-60.000000	CY				
0.00009292	107030.	1151887853.	19.4845285	0.0018104	-0.005437	
2.9999795	-60.000000	CY				
0.00009625	107566.	1117573158.	19.3468128	0.0018621	-0.005645	
2.9986966	-60.000000	CY				
0.00009958	108096.	1085480332.	19.2211957	0.0019141	-0.005853	
2.9981433	-60.000000	CY				
0.0001029	108597.	1055193126.	19.1070878	0.0019664	-0.006061	
2.9990959	-60.000000	CY				
0.0001063	108999.	1025875475.	18.9788144	0.0020165	-0.006271	
2.9979205	-60.000000	CY				
0.0001096	109330.	997683806.	18.8503547	0.0020657	-0.006482	
2.9983778	-60.000000	CY				
0.0001129	109656.	971127144.	18.7310371	0.0021150	-0.006692	
2.9999905	-60.000000	CY				
0.0001163	109978.	946051550.	18.6209740	0.0021647	-0.006903	
2.9961848	-60.000000	CY				
0.0001196	110298.	922349344.	18.5185105	0.0022145	-0.007113	
2.9992781	-60.000000	CY				
0.0001229	110613.	899906022.	18.4231403	0.0022645	-0.007323	
2.9983858	-60.000000	CY				
0.0001263	110925.	878616791.	18.3346990	0.0023148	-0.007533	
2.9963004	-60.000000	CY				
0.0001296	111229.	858355817.	18.2452321	0.0023643	-0.007743	
2.9991595	-60.000000	CY				
0.0001329	111506.	838918069.	18.1567468	0.0024133	-0.007954	
2.9995403	-60.000000	CY				
0.0001363	111750.	820180651.	18.0684487	0.0024618	-0.008166	
2.9936645	-60.000000	CY				

0.0001396	111950.	802026491.	17.9771911	0.0025093	-0.008378
2.9972258	-60.000000 CY				
0.0001429	112136.	784624605.	17.8887246	0.0025566	-0.008591
2.9993252	-60.000000 CY				
0.0001462	112315.	767968138.	17.8069595	0.0026043	-0.008803
2.9997774	60.0000000 CY				
0.0001496	112489.	752013216.	17.7313375	0.0026523	-0.009015
2.9943883	60.0000000 CY				
0.0001529	112661.	736748508.	17.6596383	0.0027005	-0.009227
2.9950705	60.0000000 CY				
0.0001562	112824.	722074918.	17.5944207	0.0027491	-0.009438
2.9979939	60.0000000 CY				
0.0001596	112963.	707862359.	17.5386224	0.0027989	-0.009649
2.9996674	60.0000000 CY				
0.0001629	113097.	694200299.	17.4812160	0.0028480	-0.009860
2.9985023	60.0000000 CY				
0.0001662	113229.	681075924.	17.4271510	0.0028973	-0.010070
2.9933962	60.0000000 CY				
0.0001696	113351.	668409630.	17.3791824	0.0029472	-0.010280
2.9936380	60.0000000 CY				
0.0001729	113465.	656183759.	17.3364056	0.0029978	-0.010490
2.9969612	60.0000000 CY				
0.0001762	113578.	644413868.	17.2958375	0.0030484	-0.010699
2.9990769	60.0000000 CYT				
0.0001796	113690.	633075496.	17.2573779	0.0030991	-0.010908
2.9999695	60.0000000 CYT				
0.0001829	113793.	622105484.	17.2221655	0.0031502	-0.011117
2.9960779	60.0000000 CYT				
0.0002029	114111.	562355374.	17.0233777	0.0034543	-0.012373
2.9998741	60.0000000 CYT				
0.0002229	114305.	512772303.	16.8627553	0.0037590	-0.013629
2.9974162	60.0000000 CYT				
0.0002429	114305.	470554343.	16.9780010	0.0041242	-0.014823
2.9949184	60.0000000 CYT				

Summary of Results for Nominal Moment Capacity for Section 1

Moment values interpolated at maximum compressive strain = 0.003
or maximum developed moment if pile fails at smaller strains.

Load Tens. No. Strain	Axial Thrust kips	Nominal Mom. Cap. in-kip	Max. Comp. Strain	Max.
-----	-----	-----	-----	
1 -0.01049903	53.000	113470.114	0.00300000	

Note that the values of moment capacity in the table above are not factored by a strength reduction factor (ϕ -factor).

In ACI 318, the value of the strength reduction factor depends on whether the transverse reinforcing steel bars are tied hoops (0.65) or spirals (0.75).

The above values should be multiplied by the appropriate strength reduction factor to compute ultimate moment capacity according to ACI 318, or the value required by the design standard being followed.

The following table presents factored moment capacities and corresponding bending stiffnesses computed for common resistance factor values used for reinforced concrete sections.

Axial Stiff. Load Ult Mom No. kip-in ²	Resist. Factor	Nominal Ax. Thrust kips	Nominal Moment Cap in-kips	Ult. (Fac) Ax. Thrust kips	Ult. (Fac) Moment Cap in-kips	Bend. at
1 2.0371E+09	0.65	53.000000	113470.	34.450000	73756.	
1 1.9905E+09	0.75	53.000000	113470.	39.750000	85103.	
1 1.4406E+09	0.90	53.000000	113470.	47.700000	102123.	

Layering Correction Equivalent Depths of Soil & Rock Layers

Layer No.	Top of Layer Below Pile Head ft	Equivalent Top Depth Below Grnd Surf ft	Same Layer Type As Layer Above	Layer is Rock or is Below Rock Layer	F0 Integral for Layer lbs	F1 Integral for Layer lbs
1	1.0000	0.00	N.A.	No	0.00	24397.
2	4.0000	2.6206	Yes	No	24397.	270294.
3	9.5000	9.3119	Yes	No	294690.	N.A.

Notes: The F0 integral of Layer n+1 equals the sum of the F0 and F1 integrals for Layer n. Layering correction equivalent depths are computed only for soil types with both shallow-depth and deep-depth expressions for

peak lateral load transfer. These soil types are soft and stiff clays, non-liquefied sands, and cemented c-phi soil.

 Computed Values of Pile Loading and Deflection
 for Lateral Loading for Load Case Number 1

Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head = 41000.0 lbs
 Applied moment at pile head = 43104000.0 in-lbs
 Axial thrust load on pile head = 53000.0 lbs

Depth Res.	Soil X	Deflect. Spr. y	Bending Distrib. Lat. Load	Shear Force	Slope S	Total Stress	Bending Stiffness	Soil p
feet	Es*H lb/inch	inches lb/inch	in-lbs lb/inch	lbs	radians	psi*	lb-in ²	
0.00		1.8044	4.31E+07	41000.	-0.01065	0.00	2.09E+12	
0.00		0.00	0.00					
2.1200		1.5401	4.42E+07	39555.	-0.01012	0.00	2.09E+12	
-206.991		3419.	0.00					
4.2400		1.2895	4.51E+07	28914.	-0.00958	0.00	2.09E+12	
-1365.		26925.	0.00					
6.3600		1.0529	4.52E+07	-21687.	-0.00903	0.00	2.09E+12	
-2607.		62981.	0.00					
8.4800		0.8302	4.37E+07	-102423.	-0.00848	0.00	2.09E+12	
-3706.		113568.	0.00					
10.6000		0.6211	4.01E+07	-174182.	-0.00797	0.00	2.10E+12	
-1932.		79129.	0.00					
12.7200		0.4243	3.51E+07	-219727.	-0.00751	0.00	2.11E+12	
-1611.		96603.	0.00					
14.8400		0.2382	2.90E+07	-254254.	-0.00713	0.00	2.13E+12	
-1068.		114077.	0.00					
16.9600		0.06093	2.23E+07	-272277.	-0.00682	0.00	2.16E+12	
-315.068		131551.	0.00					
19.0800		-0.111	1.54E+07	-268455.	-0.00675	0.00	7.53E+12	
652.9693		149025.	0.00					
21.2000		-0.283	8871834.	-237104.	-0.00671	0.00	7.58E+12	
1849.		166500.	0.00					
23.3200		-0.453	3592577.	-172407.	-0.00669	0.00	7.61E+12	
3275.		183974.	0.00					
25.4400		-0.623	445060.	-68502.	-0.00668	0.00	7.62E+12	
4932.		201448.	0.00					

* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

* Soil Spring is estimated using space increment for printing, H.

Output Summary for Load Case No. 1:

Pile-head deflection = 1.80440846 inches
 Computed slope at pile head = -0.0106537 radians
 Maximum bending moment = 45336284. inch-lbs
 Maximum shear force = -273701. lbs
 Depth of maximum bending moment = 5.56500000 feet below pile head
 Depth of maximum shear force = 17.75500000 feet below pile head
 Number of iterations = 68
 Number of zero deflection points = 1
 Pile deflection at ground = 1.67807353 inches

 Computed Values of Pile Loading and Deflection
 for Lateral Loading for Load Case Number 2

Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head = 9000.0 lbs
 Applied moment at pile head = 9192000.0 in-lbs
 Axial thrust load on pile head = 53000.0 lbs

Depth Res.	Deflect. Soil Spr.	Bending Distrib.	Shear Force	Slope S	Total Stress	Bending Stiffness	Soil p
X Es*H feet lb/inch	y Lat. Load inches lb/inch	Moment in-lbs lb/inch	lbs	radians	psi*	lb-in ²	
0.00	0.2270	9192000.	9000.	-0.00127	0.00	7.58E+12	
0.00	0.00	0.00					
2.1200	0.1951	9421845.	8817.	-0.00124	0.00	7.58E+12	
-26.227	3419.	0.00					
4.2400	0.1641	9634908.	6828.	-0.00120	0.00	7.57E+12	
-574.172	89020.	0.00					
6.3600	0.1339	9599530.	-10612.	-0.00117	0.00	7.58E+12	

-774.833	147267.	0.00				
8.4800	0.1044	9069641.	-31469.	-0.00114	0.00	7.58E+12
-843.635	205514.	0.00				
10.6000	0.07578	8058559.	-44314.	-0.00111	0.00	7.58E+12
-235.713	79129.	0.00				
12.7200	0.04782	6861201.	-49698.	-0.00109	0.00	7.59E+12
-181.587	96603.	0.00				
14.8400	0.02044	5548190.	-53247.	-0.00107	0.00	7.60E+12
-91.666	114077.	0.00				
16.9600	-0.00646	4177694.	-54061.	-0.00105	0.00	7.61E+12
33.4250	131551.	0.00				
19.0800	-0.03301	2830663.	-51249.	-0.00104	0.00	7.62E+12
193.3958	149025.	0.00				
21.2000	-0.05932	1610636.	-43923.	-0.00103	0.00	7.62E+12
388.2610	166500.	0.00				
23.3200	-0.08549	643747.	-31194.	-0.00103	0.00	7.62E+12
618.2666	183974.	0.00				
25.4400	-0.112	78877.	-12162.	-0.00103	0.00	7.62E+12
883.7692	201448.	0.00				

* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

* Soil Spring is estimated using space increment for printing, H.

Output Summary for Load Case No. 2:

Pile-head deflection	=	0.22700638 inches
Computed slope at pile head	=	-0.0012680 radians
Maximum bending moment	=	9673233. inch-lbs
Maximum shear force	=	-54163. lbs
Depth of maximum bending moment	=	5.03500000 feet below pile head
Depth of maximum shear force	=	16.43000000 feet below pile head
Number of iterations	=	6
Number of zero deflection points	=	1
Pile deflection at ground	=	0.21187907 inches

Summary of Pile-head Responses for Conventional Analyses

Definitions of Pile-head Loading Conditions:

Load Type 1: Load 1 = Shear, V, lbs, and Load 2 = Moment, M, in-lbs
 Load Type 2: Load 1 = Shear, V, lbs, and Load 2 = Slope, S, radians

Load Type 3: Load 1 = Shear, V, lbs, and Load 2 = Rot. Stiffness, R, in-lbs/rad.
 Load Type 4: Load 1 = Top Deflection, y, inches, and Load 2 = Moment, M, in-lbs
 Load Type 5: Load 1 = Top Deflection, y, inches, and Load 2 = Slope, S, radians

Load Case No.	Load Type	Load 1	Load 2	Load Type	Pile-head Load 1	Pile-head Load 2	Axial Loading lbs	Pile-head Deflection inches	Pile-head Rotation radians	Max in lbs
1	V, lb	41000.	M, in-lb	4.31E+07	53000.	1.8044	-0.01065			
		-273701.			4.53E+07					
2	V, lb	9000.	M, in-lb	9192000.	53000.	0.2270	-0.00127			
		-54163.			9673233.					

Maximum pile-head deflection = 1.8044084611 inches
 Maximum pile-head rotation = -0.0106536808 radians = -0.610411 deg.

 Computed Pile-head Stiffness Matrix Values
 K[2,2], K[2,3], K[3,2], K[3,3] for Pile Head

Computations are based on the pile-head loads defined in Load Case 1

The K[2,2] and K[3,2] stiffnesses are computed using the specified pile-head shear force and rotation (Type 2) pile-head condition.

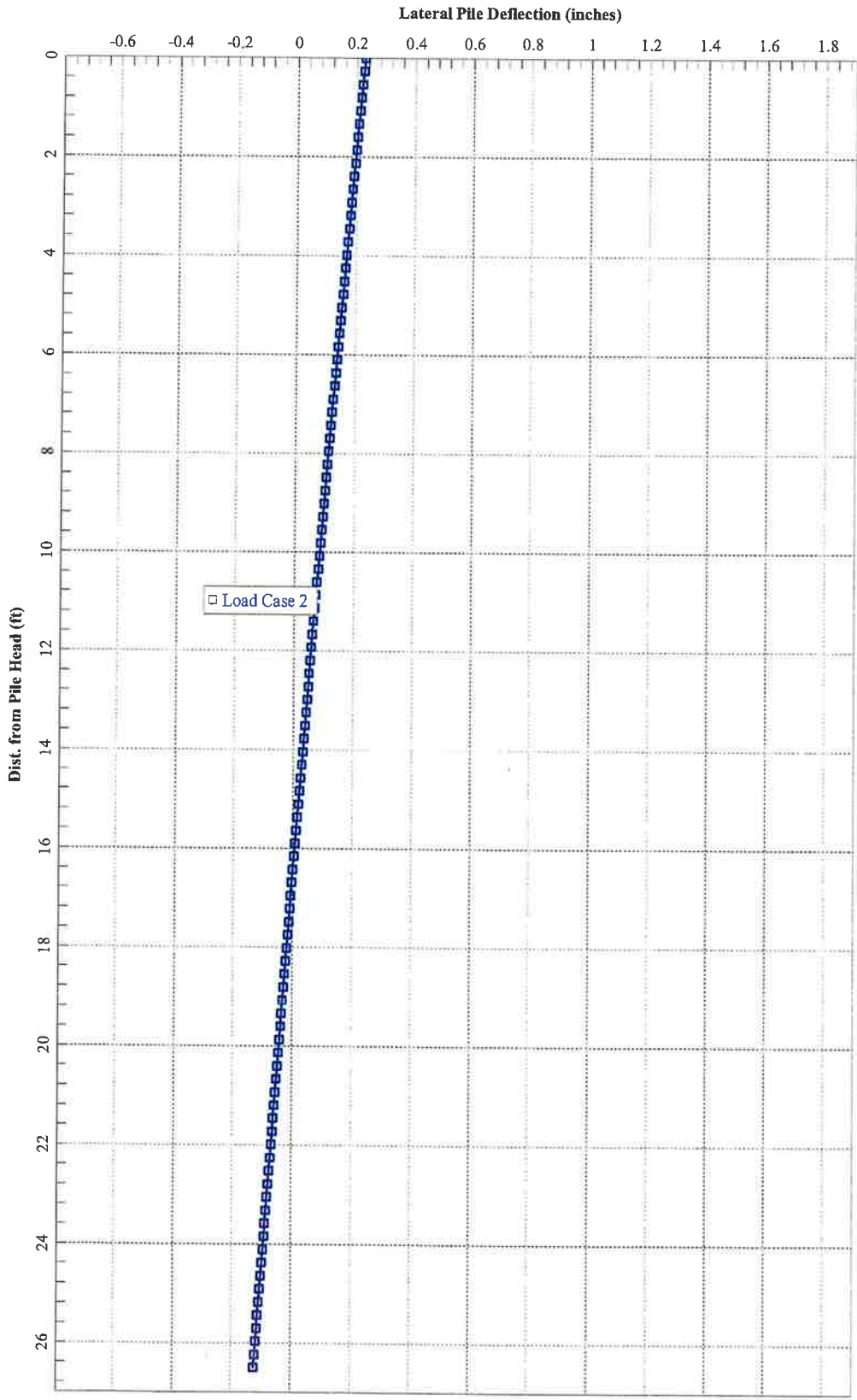
K[2,2] = abs(Shear Reaction/Top y)			K[3,2] = abs(Moment Reaction/Top y)		
Pile-Top Deflection inches	Pile-Top Rotation radians	Pile-Top Shear Reac. lbs	Pile-Top Mom. Reac. in-lbs	K[2,2] V/y lb/in.	K[3,2] M/y in-lb/in.
0.0038738	0.00000	4100.	706860.	1058387.	182471021.
0.0143690	0.00000	15208.	2621933.	1058387.	182471021.
0.0205093	0.00000	21706.	3742132.	1058340.	182460530.
0.0248683	0.00000	26316.	4536785.	1058215.	182432400.
0.0282502	0.00000	29892.	5153112.	1058115.	182409479.
0.0310138	0.00000	32814.	5656663.	1058038.	182391795.
0.0333505	0.00000	35284.	6082396.	1057978.	182377886.
0.0353748	0.00000	37424.	6451171.	1057928.	182366130.
0.0371607	0.00000	39312.	6776436.	1057879.	182354864.
0.0387585	0.00000	41000.	7067378.	1057832.	182343919.

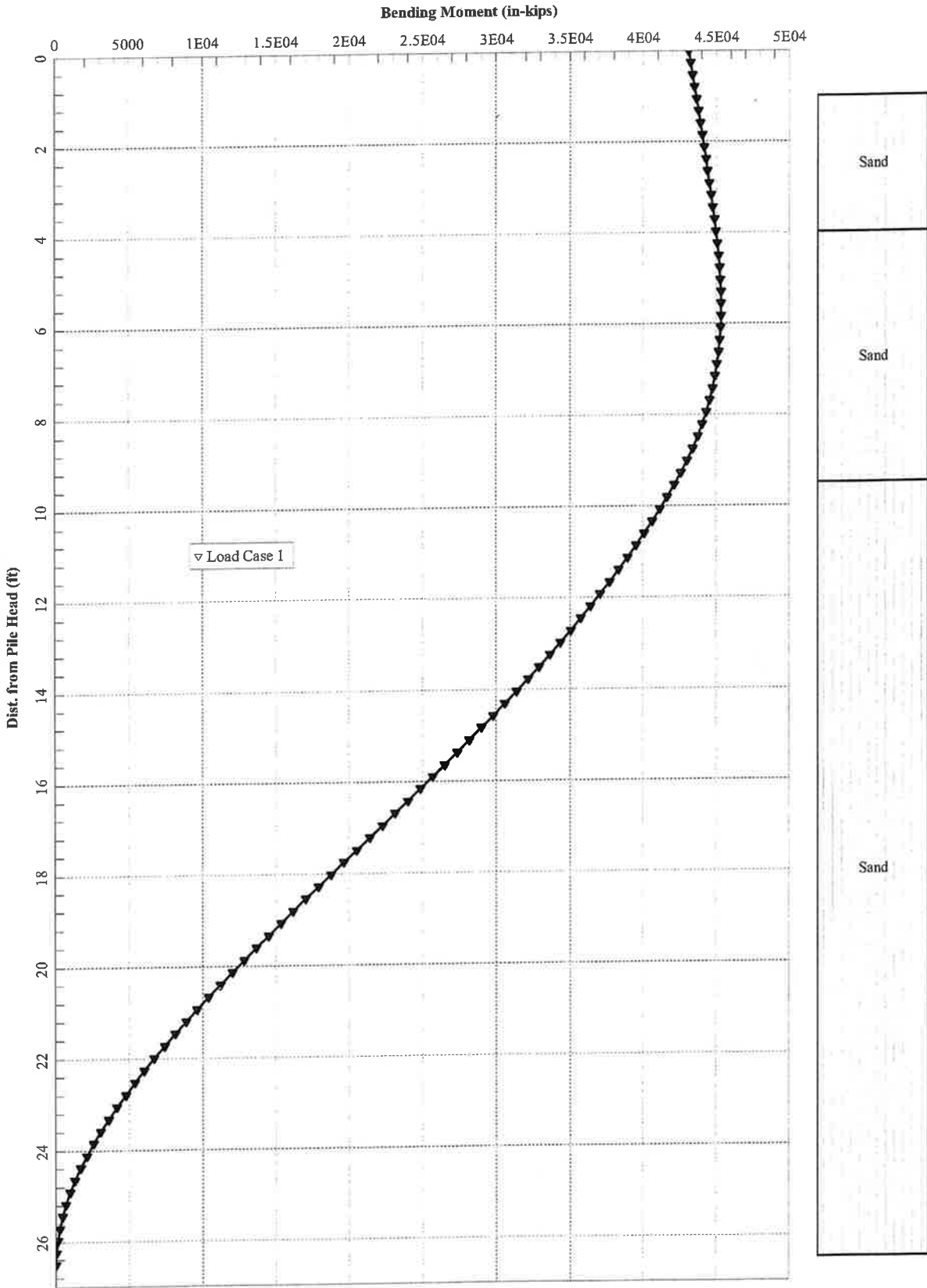
The K[2,3] and K[3,3] stiffnesses are computed using the specified deflection and moment (Type 4) pile-head condition.

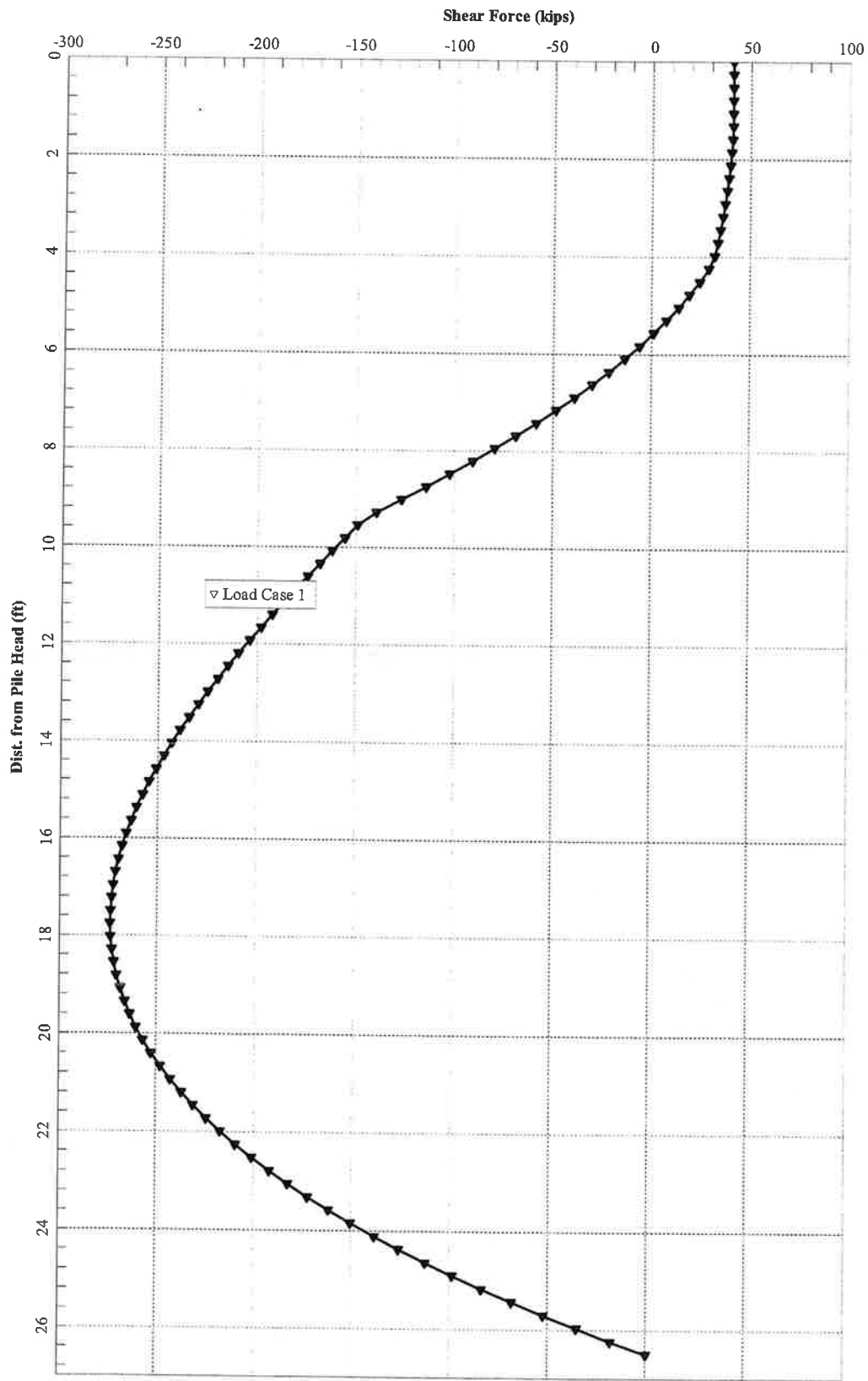
$$K[2,3] = \text{abs}(\text{Shear Force/Top Rotation}) \quad K[3,3] = \text{abs}(\text{Moment/Top Rotation})$$

Pile-Top Deflection inches	Pile-Top Rotation radians	Pile-Top Shear Reac. lbs	Pile-Top Mom. Reac. in-lbs	K[2,3] V/rot. lb/rad	K[3,3] M/rot. in-lb/rad
0.00000	0.0001079	19694.	4310400.	182434640.	3.99300E+10
0.00000	0.0004016	73064.	15988437.	181927682.	3.98106E+10
0.00000	0.0005780	104299.	22819651.	180448533.	3.94805E+10
0.00000	0.0010227	128144.	27666474.	125303101.	2.70531E+10
0.00000	0.0012801	147369.	31425963.	115119251.	2.45489E+10
0.00000	0.0014858	163503.	34497688.	110043377.	2.32182E+10
0.00000	0.0016447	177017.	37094795.	107627488.	2.25539E+10
0.00000	0.0017749	188601.	39344512.	106259845.	2.21671E+10
0.00000	0.0018928	198963.	41328902.	105117854.	2.18353E+10
0.00000	0.0019918	208053.	43104000.	104456116.	2.16410E+10

The analysis ended normally.









NORTHEAST > North East > New England > New England West > FAIRFIELD 2 CT

RF Submit by: Gadasu, Shiva - shiva.gadasu@verizonwireless.com - 9/21/2023, 6:42:52 AM
EE Submit by: Hadix, Brian - brian.hadix@verizonwireless.com - 9/2/2022, 7:45:50 AM

Project Details

FUZE Project ID: 16244167
Project Name: 5G L-Sub6 - Carrier Add
Project Alt Name: FAIRFIELD 2 CT - LSub6 add
Project Type: Modification
Modification Type: RF
Designed Sector Carrier 4G: 30
Designed Sector Carrier 5G: 3
Additional Sector Carrier 4G: N/A
Additional Sector Carrier 5G: N/A
FP Solution Type & Tech Type: MODIFICATION;5G_L-Sub6

Location Information

Site ID: 323864
E-NodeB ID: 0659451,065091
MDG Location ID: 5000105444
PSLC: 467147
Switch Name: Wallingford 2
Tower Owner:
Tower Type: Monopole
Site Type: MACRO
Site Sub Type: SPOKE
Street Address: 3965 Congress St.
City: Fairfield
State: CT
Zip Code: 06824
County: Fairfield
Latitude: 41.188375 / 41° 11' 18.15" N
Longitude: -73.29905833 / 73° 17' 56.61" W

RFDS Project Scope:

Rev4_09.21.2023 : Revised to update Cband to Gen2 MMU
Rev3_07.18.2023 : Revised to add 850 filters on all 3 sectors and updated plumbing
Rev2_08.03.2022 : Revised to remove CDMA as per RE request
Rev1_10.06.2021
L-Sub6 Add
1. Retain all the Existing Antennas & Add L-Sub6 antennas as shown in the Plumbing Diagram.
2. Retain (6) Samsung RRH's.
3. Cap and weatherproof unused ports/connectors

Antenna Summary

Added

700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
					5G	Samsung	MT6413-77A	80	81.2	30(0047) 160(0048) 270(0049)		false	PHYSICAL	3	

Removed

700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
	CDMA					ANTEL	BXA-70063-6CF 850MHZ					false	PHYSICAL	3	

Retained

700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
	LTE	LTE	LTE			ANDREW	JAHH-65B-R3B	80	83	30(01) 160(02) 270(03) 30(0047) 160(0048) 270(0049)		false	PHYSICAL	6	
			LTE			SAMSUNG	XXDWNM-12.5-65	80	80.5	30(19) 160(20) 270(21)		false	PHYSICAL	3	

Added: 3

Removed: 3

Retained: 9

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
RRU	Tower						5G	Samsung	MT643-77A			PHYSICAL	3	
Other	Tower							Kaelus	BSF0020F3V1-1			PHYSICAL	6	
Upconverter	Shelter							COMMSCOPE	RS485-CARD			PHYSICAL	1	0000000019000079
Upconverter	Shelter							COMMSCOPE	PS-1600-73-VZ			PHYSICAL	6	0000000019000400
Upconverter	Shelter							COMMSCOPE	PS-BYPASS-1-VZ			PHYSICAL	6	000000001900426
Upconverter	Shelter							COMMSCOPE	PS-R-1600-VZ			PHYSICAL	1	000000001900400
Upconverter	Shelter							COMMSCOPE	PULSAR-EDGE-CNTRL			PHYSICAL	1	000000001900079

Removed

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Coaxial Cables	Tower							COAX	COAX			PHYSICAL	6	

Retained

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Diplexer	Tower							Commscope	CBC78T-DS-43-2X			PHYSICAL	3	0000000019000084
Fiber	Tower							N/A	1x2 Hybrid Jumper for CBRS (2 per RRH)			PHYSICAL	6	
Hybrid Cable	Tower					LTE		RFS	HB15B-13U12S24			PHYSICAL	1	
Mount	Tower							Andrew	BSAMNT-SBS-2-2			PHYSICAL	3	0000000019000059
OVP Box	Tower							RFS	DB-C1-12C-24AB-0Z			PHYSICAL	1	0000000019000070
RRU	Tower			LTE	LTE			Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)			PHYSICAL	3	
RRU	Tower	LTE						Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)			PHYSICAL	3	
RRU	Tower					LTE		Samsung	CBRS RRH - RT4401-48A			PHYSICAL	3	

Service Info

Sector	19	21	19	21	19	21
Cell / ENode B ID	065091	065091	065091	065091	065091	065091
Antenna Model	XXDWMW-12.5-65	XXDWMW-12.5-65	XXDWMW-12.5-65	XXDWMW-12.5-65	XXDWMW-12.5-65	XXDWMW-12.5-65
Antenna Make	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
Antenna Centerline(Ft)	80	80	80	80	80	80
Mechanical Down-Tilt(Deg)	0	0	0	0	0	0
Electrical Down-Tilt	8	8	8	8	8	8
Tip Height	80.5	80.5	80.5	80.5	80.5	80.5
Regulatory Power	3.95	3.95	3.95	3.95	3.95	3.95
DLEARFCN	55343, 55541, 55943, 56141	55343, 55541, 55943, 56141	55343, 55541, 55943, 56141	55343, 55541, 55943, 56141	55343, 55541, 55943, 56141	55343, 55541, 55943, 56141
Channel Bandwidth(MHz)	20	20	20	20	20	20
Total ERP (W)	43.34	43.34	43.34	43.34	43.34	43.34
TMA Make						
RRU Model	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Make	CBRS RRH - RT4401-48A	CBRS RRH - RT4401-48A	CBRS RRH - RT4401-48A	CBRS RRH - RT4401-48A	CBRS RRH - RT4401-48A	CBRS RRH - RT4401-48A
Number of Tx, Rx Lines	4,4	4,4	4,4	4,4	4,4	4,4
Transmitter Id	6981631	6981633	6981633	6981633	6981633	6981633
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API
Sector	01	02	01	02	01	02
Cell / ENode B ID	065091	065091	065091	065091	065091	065091
Antenna Model	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Antenna Make	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW
Antenna Centerline(Ft)	80	80	80	80	80	80
Mechanical Down-Tilt(Deg)	0	0	0	0	0	0
Electrical Down-Tilt	2	2	2	2	2	2
Tip Height	83	83	83	83	83	83
Regulatory Power	114.51	114.51	114.51	108.03	108.03	108.03
DLEARFCN	5230	5230	5230	5230	5230	5230
Channel Bandwidth(MHz)	10	10	10	10	10	10
Total ERP (W)	1030.62	1030.62	1030.62	972.3	972.3	972.3
TMA Make						
RRU Model	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Make	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	2,4	2,4	2,4	2,4	2,4	2,4
Transmitter Id	6981634	6981642	6981642	11217550	11217556	11217561
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

	01	02	03	01	02	03	01	02	03
Sector	30	160	270	30	160	270	30	160	270
Cell / ENode B ID	065091	065091	065091	065091	065091	065091	065091	065091	065091
Antenna Model	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Antenna Make	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW
Antenna Centerline(Ft)	80	80	80	80	80	80	80	80	80
Mechanical Down-Tilt(Deg)	0	0	0	0	0	0	0	0	0
Electrical Down-Tilt	2	2	2	2	2	2	2	2	2
Tip Height	63	63	63	63	63	63	63	63	63
Regulatory Power	269.46	269.46	269.46	269.68	269.68	269.68	249.68	249.68	249.68
DLEARFCN	2450	2450	2450	2450	2450	2450	2450	2450	2450
Channel Bandwidth(MHz)	10	10	10	10	10	10	10	10	10
Total ERP (W)	1212.55	1212.55	1212.55	1123.57	1123.57	1123.57	1123.57	1123.57	1123.57
TMA Make									
TMA Model									
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	2,2	2,2	2,2	2,4	2,4	2,4	2,4	2,4	2,4
Position									
Transmitter Id	6981637	6981641	6981645	11217547	11217547	11217547	11217548	11217549	11217549
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

	01	02	03	01	02	03	01	02	03
Sector	30	160	270	30	160	270	30	160	270
Cell / ENode B ID	065091	065091	065091	065091	065091	065091	065091	065091	065091
Antenna Model	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Antenna Make	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW
Antenna Centerline(Ft)	80	80	80	80	80	80	80	80	80
Mechanical Down-Tilt(Deg)	0	0	0	0	0	0	0	0	0
Electrical Down-Tilt	2	2	2	2	2	2	2	2	2
Tip Height	63	63	63	63	63	63	63	63	63
Regulatory Power	269.46	269.46	269.46	269.68	269.68	269.68	249.68	249.68	249.68
DLEARFCN	2450	2450	2450	2450	2450	2450	2450	2450	2450
Channel Bandwidth(MHz)	10	10	10	10	10	10	10	10	10
Total ERP (W)	1212.55	1212.55	1212.55	1123.57	1123.57	1123.57	1123.57	1123.57	1123.57
TMA Make									
TMA Model									
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	2,2	2,2	2,2	2,4	2,4	2,4	2,4	2,4	2,4
Position									
Transmitter Id	6981637	6981641	6981645	11217547	11217547	11217547	11217548	11217549	11217549
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

Sector	0000	0047	0048	0049	5GLS
Antenna Centerline(Ft)	0048	0047	0048	0049	0048
Mechanical Down-Tilt(Deg)	160	30	270	30	160
Electrical Down-Tilt	0659451	0659451	0659451	0659451	0659451
Tip Height	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Regulatory Power	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW
DLEARFCN	80	80	80	80	80
Channel Bandwidth(MHz)	0	0	0	0	0
Total ERP (W)	2	2	2	2	2
TMA Make	269.46	269.46	269.46	269.46	269.46
TMA Model	2450	2450	2450	2450	2450
RRU Make	1212.55	1212.55	1212.55	1212.55	1212.55
RRU Model	Samsung	Samsung	Samsung	Samsung	Samsung
Number of Tx, Rx Lines	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Position	2,2	2,2	2,2	2,2	2,2
Transmitter Id	6981637	6981641	6981645	11217547	11217548
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

Sector	01	02	03	04	5GLS
Antenna Centerline(Ft)	01	02	03	04	01
Mechanical Down-Tilt(Deg)	30	160	270	30	160
Electrical Down-Tilt	065091	065091	065091	065091	065091
Tip Height	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Regulatory Power	COMMSCOPE	COMMSCOPE	COMMSCOPE	COMMSCOPE	COMMSCOPE
DLEARFCN	80	80	80	80	80
Channel Bandwidth(MHz)	0	0	0	0	0
Total ERP (W)	2	2	2	2	2
TMA Make	227.37	227.37	227.37	227.37	227.37
TMA Model	1100	1100	1100	1100	1100
RRU Make	20	20	20	20	20
RRU Model	2494.59	2494.59	2494.59	2494.59	2494.59
Number of Tx, Rx Lines	B2/B66A RRH-BK049 (RFV01U-D1A)	B2/B66A RRH-BK049 (RFV01U-D1A)	B2/B66A RRH-BK049 (RFV01U-D1A)	B2/B66A RRH-BK049 (RFV01U-D1A)	B2/B66A RRH-BK049 (RFV01U-D1A)
Position	2,4	2,4	2,4	2,4	2,4
Transmitter Id	6981635	6981639	6981643	11217551	11217554
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

	01	02	03	01	02	03	01	02	03
Sector	01	02	03	01	02	03	01	02	03
Cell / ENode B ID	065091	065091	065091	065091	065091	065091	065091	065091	065091
Antenna Model	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B	JAHH-65B-R3B
Antenna Make	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW	ANDREW
Antenna Centerline(Ft)	80	80	80	80	80	80	80	80	80
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0	0	0	0
Electrical Down-Tilt	83	83	83	83	83	83	83	83	83
Tip Height	231.06	231.06	231.06	231.06	231.06	231.06	231.06	231.06	231.06
Regulatory Power	2050	2050	2050	2050	2050	2050	2050	2050	2050
DLEARFCN									
Channel Bandwidth(MHz)	20	20	20	20	20	20	20	20	20
Total ERP (W)	2535.13	2535.13	2535.13	2535.13	2535.13	2535.13	2190.79	2190.79	2190.79
TMA Make									
TMA Model									
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)
Number of Tx, Rx Lines	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Position									
Transmitter Id	6981636	6981640	6981644	6981644	6981644	6981644	11217552	11217555	11217558
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API
Sector									
Cell / ENode B ID									
Antenna Model									
Antenna Make									
Antenna Centerline(Ft)									
Mechanical Down-Tilt(Deg.)									
Electrical Down-Tilt									
Tip Height									
Regulatory Power									
DLEARFCN									
Channel Bandwidth(MHz)									
Total ERP (W)									
TMA Make									
TMA Model									
RRU Make									
RRU Model									
Number of Tx, Rx Lines									
Position									
Transmitter Id									
Source									

nL-Sub6

Service Comments

Callsigns Per Antenna

Sector	Antenna Make	Antenna Model	Ant CL Height AGL	Tip Height	Azimuth (TN)	Elec Tilt	Mech Tilt	Gain	Beam Width	Regulatory Power	Callsigns	850	1900	2100	28 GHz	31 GHz	39 GHz
											700						

No data available

Callsigns

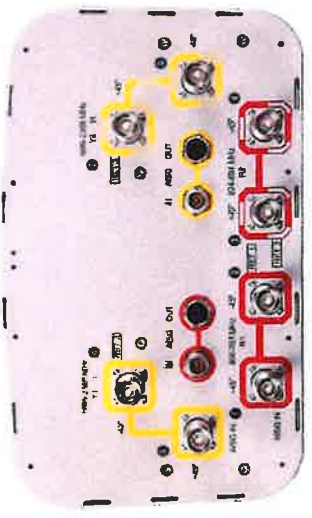
Callsign	Market	Radio Code	Market Number	Block	State	County	Licensee Name	Wholly Owned	Total MHz	Freq Range 1	Freq Range 2	Freq Range 3	Freq Range 4	Regulatory Power	Threshold (W)	POPs /Sq Mi	Status	Action	Approved for Insvc
WRNE585	New York, NY	PM	PEA001	A5	9001	Fairfield	Celco Partnership	Yes	20.000	3780.000-3800.000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRHD618	New York, NY	UU	PEA001	M9	9001	Fairfield	Celco Partnership	Yes	100.000	38400.000-38500.000	.000-.000	.000-.000	.000-.000	0	0	1532.14	Active		Yes
WRNE588	New York, NY	PM	PEA001	B3	9001	Fairfield	Celco Partnership	Yes	20.000	3840.000-3860.000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
KNKA363	Bridgeport-Stamford-Norwalk-Danbury, CT	CL	CMA042	A	9001	Fairfield	Celco Partnership	Yes	25.000	824.000-835.000	845.000-846.500	845.000-846.500	890.000-891.500	249.68 PSD	400	1532.14	Active	retained	Yes
WQGB279	Bridgeport-Stamford-Norwalk-Danbury, CT	AW	CMA042	A	9001	Fairfield	Celco Partnership	Yes	20.000	1710.000-1720.000	.000-.000	.000-.000	.000-.000	199.68	1640	1532.14	Active	retained	Yes
WRLD509	D09001 - Fairfield, CT	PL	D09001	0	9001	Fairfield	Verizon Wireless Network Procurement LP	Yes	100.000	3550.000-3650.000	.000-.000	.000-.000	.000-.000	2.49	501	1532.14	Active	retained	Yes
WQGA906	New York-Hq. New Jer.-Long Island, NY-NJ-CT-PA-MA-	AW	BEA010	B	9001	Fairfield	Celco Partnership	Yes	20.000	1720.000-1730.000	2120.000-2130.000	.000-.000	.000-.000	199.68	1640	1532.14	Active	retained	Yes
WQJQ689	Northeast	WU	REA001	C	9001	Fairfield	Celco Partnership	Yes	22.000	746.000-757.000	776.000-787.000	.000-.000	.000-.000	108.03	1000	1532.14	Active	retained	Yes
WRNE582	New York, NY	PM	PEA001	A2	9001	Fairfield	Celco Partnership	Yes	20.000	3720.000-3740.000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRLD511	D09001 - Fairfield, CT	PL	D09001	0	9001	Fairfield	Verizon Wireless Network Procurement LP	Yes	100.000	3550.000-3650.000	.000-.000	.000-.000	.000-.000	2.49	501	1532.14	Active	retained	Yes
WRNE583	New York, NY	PM	PEA001	A3	9001	Fairfield	Celco Partnership	Yes	20.000	3740.000-3760.000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRHD616	New York, NY	UU	PEA001	M7	9001	Fairfield	Celco Partnership	Yes	100.000	38200.000-38300.000	.000-.000	.000-.000	.000-.000	0	0	1532.14	Active		Yes
WQBT539	New York, NY	CW	BTA321	C	9001	Fairfield	Celco Partnership	Yes	10.000	1895.000-1900.000	1975.000-1980.000	.000-.000	.000-.000	198.53	1640	1532.14	Active	retained	Yes
WRLD512	D09001 - Fairfield, CT	PL	D09001	0	9001	Fairfield	Verizon Wireless Network Procurement LP	Yes	100.000	3550.000-3650.000	.000-.000	.000-.000	.000-.000	2.49	501	1532.14	Active	retained	Yes
CBRS_CALL	UNLICENSED	3.5 GHz	UNLICENSED		UNLICENSED	Fairfield	UNLICENSED	UNLICENSED	UNLICENSED	UNLICENSED-UNLICENSED	UNLICENSED-UNLICENSED	UNLICENSED-UNLICENSED	UNLICENSED-UNLICENSED	2.49	0	1532.14	Active	retained	No
WRHD610	New York, NY	UU	PEA001	M10	9001	Fairfield	Celco Partnership	Yes	100.000	38500.000-38600.000	.000-.000	.000-.000	.000-.000	0	0	1532.14	Active		Yes
WRLD510	D09001 - Fairfield, CT	PL	D09001	0	9001	Fairfield	Verizon Wireless Network Procurement LP	Yes	100.000	3550.000-3650.000	.000-.000	.000-.000	.000-.000	2.49	501	1532.14	Active	retained	Yes
WRNE587	New York, NY	PM	PEA001	B2	9001	Fairfield	Celco Partnership	Yes	20.000	3820.000-3840.000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRHD617	New York, NY	UU	PEA001	M8	9001	Fairfield	Celco Partnership	Yes	100.000	38300.000-38400.000	.000-.000	.000-.000	.000-.000	0	0	1532.14	Active		Yes

WRBA702	New York, NY	UU	BTA321	L1	9001	Fairfield	Cellco Partnership	Yes	325,000	2760,000-27925,000	.000-.000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes	
WRNE586	New York, NY	PM	PEA001	B1	9001	Fairfield	Cellco Partnership	Yes	20,000	3800,000-3820,000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
KNLF644	New York, NY	CW	BTA321	C	9001	Fairfield	AirTouch Cellular	Yes	20,000	1980,000-1990,000	.000-.000	.000-.000	.000-.000	198.53	1640	1532.14	Active	retained	Yes
WRHD619	New York, NY	UU	PEA001	N1	9001	Fairfield	Cellco Partnership	Yes	100,000	38600,000-38700,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
KNLH264	New York, NY	CW	BTA321	F	9001	Fairfield	Cellco Partnership	Yes	10,000	1890,000-1895,000	.000-.000	.000-.000	.000-.000	198.53	1640	1532.14	Active	retained	Yes
WRHD611	New York, NY	UU	PEA001	M2	9001	Fairfield	Cellco Partnership	Yes	100,000	37700,000-37800,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRBA703	New York, NY	UU	BTA321	L2	9001	Fairfield	Cellco Partnership	Yes	325,000	27925,000-27950,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRHD615	New York, NY	UU	PEA001	M6	9001	Fairfield	Cellco Partnership	Yes	100,000	38100,000-38200,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRHD609	New York, NY	UU	PEA001	M1	9001	Fairfield	Cellco Partnership	Yes	100,000	37600,000-37700,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRNE581	New York, NY	PM	PEA001	A1	9001	Fairfield	Cellco Partnership	Yes	20,000	3700,000-3720,000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRHD612	New York, NY	UU	PEA001	M3	9001	Fairfield	Cellco Partnership	Yes	100,000	37800,000-37900,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRHD613	New York, NY	UU	PEA001	M4	9001	Fairfield	Cellco Partnership	Yes	100,000	37900,000-38000,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		
WRNE584	New York, NY	PM	PEA001	A4	9001	Fairfield	Cellco Partnership	Yes	20,000	3760,000-3780,000	.000-.000	.000-.000	.000-.000	739.92	1640	1532.14	Active	added	Yes
WRHD614	New York, NY	UU	PEA001	M5	9001	Fairfield	Cellco Partnership	Yes	100,000	38000,000-38100,000	.000-.000	.000-.000	.000-.000	0	1532.14	Active	Yes		

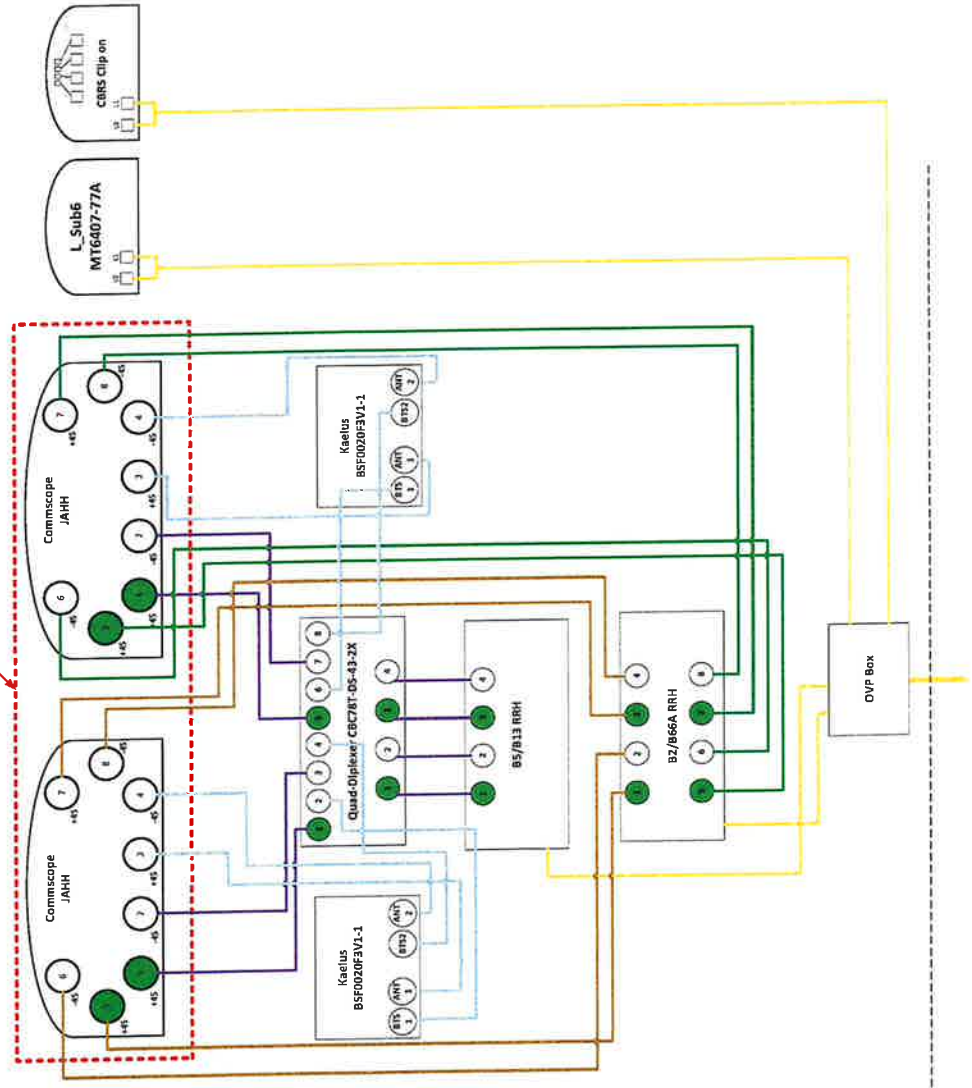
- Port 1 & 2 are for low band (698-787 MHz).
- Port 3 & 4 are for low band (824-894 MHz).
- Port 3, 4, 5, & 6 are for high band (1695-2360 MHz).
- Antenna Smart Bias Tee (SBT) is through port 1 for low band and port 5 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.



Comments:
 Diagram shows configuration as viewed from standing behind the antennas.
 Antennas will be installed in that order from left to right.
 Cap and weatherproof unused antenna ports.
 All plumbing diagram colors are Irrelevant except for AISG & Hybriflex cable. For the coax colors follow Coax-Colors guide above!



2" Side By Side Mount



Tower/
 Weather/
 Roof/
 Equipment
 Pad



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 Landscape Architecture, Surveying, CT P.C.
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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10211522
 Colliers Engineering & Design Project #: 21777726 (Rev. 4)

October 25, 2023

Site Information

Site ID: 5000105444-VZW / FAIRFIELD 2 CT
 Site Name: FAIRFIELD 2 CT
 Carrier Name: Verizon Wireless
 Address: 3965 Congress St.
 Fairfield, Connecticut 06824
 Fairfield County
 Latitude: 41.188375°
 Longitude: -73.29905833°

Structure Information

Tower Type: 152-Ft Monopole
 Mount Type: 14.08-Ft Platform

FUZE ID # 16244167

Analysis Results

Platform: **47.9% Pass w/ Hardware Upgrades***

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

*****Contractor PMI Requirements:**

**Included at the end of this MA report
 Available & Submitted via portal at <https://pmi.vzsmart.com>
 For additional questions and support, please reach out to:
pmisupport@colliersengineering.com**

Report Prepared By: Frank Centone



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 323864 dated September 21, 2023
Mount Mapping Report	Structural Components, Site ID: 16244167, dated April 18, 2021
Construction Drawings	ProTerra Design Group, LLC PSLC 467147, dated August 30, 2022

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.990
Seismic Parameters:	S_s : 0.219 g S_1 : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, L_v : 250 lbs. Maintenance Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
78.28	80.00	3	Samsung	MT6413-77A	Added
		6	KAelus	BSF0020F3V1-1	
		3	Commscope	CBC78T-DS-43-2X	Retained
		6	Commscope	JAHH-65B-R3B	
		3	Samsung	XXDWMM-12.5-65-8T	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	-	OVP12*	
		1	-	OVP6*	

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

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	47.9%	Pass
Standoff Angle	24.8%	Pass
Standoff Horizontal Larger	11.2%	Pass
Standoff Horizontal Smaller	16.1%	Pass
Support Rail	30.6%	Pass
Mount Pipe	18.2%	Pass
Standoff Double Angle	32.9%	Pass
Support Rail Corner Angle	19.5%	Pass
V-kit HSS	8.8%	Pass
Mast Pipe	16.5%	Pass
V-brace Kit	10.1%	Pass
Kicker	6.1%	Pass
Mount Connection	10.5%	Pass

Structure Rating – (Controlling Utilization of all Components)	47.9%*
---	---------------

* Results valid after hardware upgrades noted in the PMI Requirements are installed.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	44.0	44.0	60.0	60.0
0.5	55.9	55.9	78.7	78.7
1	66.6	66.6	96.1	96.1

Notes:

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

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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

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

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

MDG #: 5000105444

SMART Project #: 10211522

Fuze Project ID: 16244167

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

Response:

Special Instruction Confirmation:

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

OR

The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:

--

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

Yes No

Contractor certifies no new damage created during the current installation:

Yes No

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

Safety Climb in Good Condition Safety Climb Damaged

Certifying Individual:

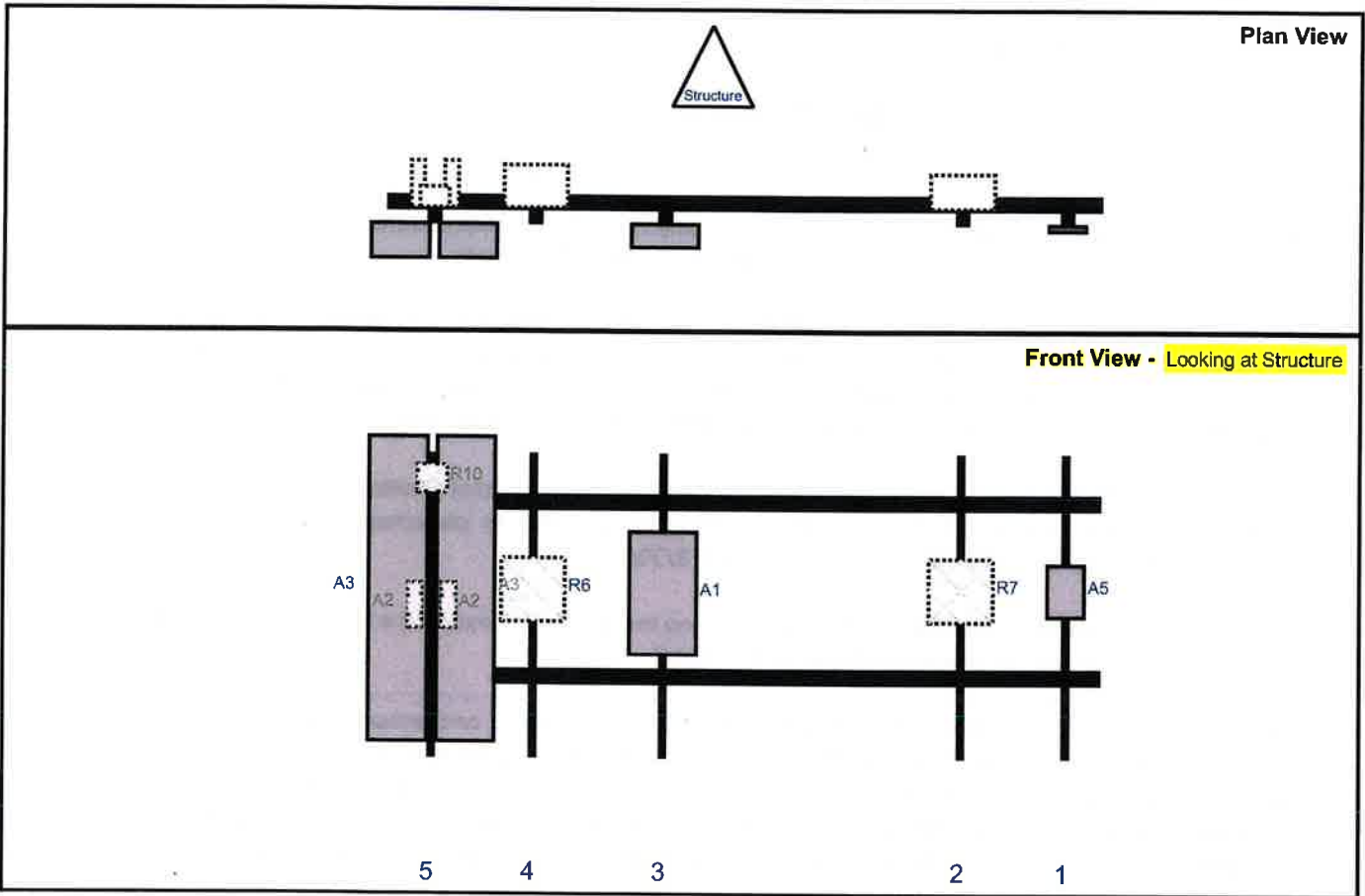
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	



MDG #: 5000105444
Site Name: FAIRFIELD 2 CT
Fuze ID #: 16244167
Colliers Engineering & Design Project #: 21777726 Rev. 4

PMI INSTRUCTIONS:

1. Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.
2. Contractor shall install a new 72" long P2 SCH40 mount pipe in new Position 3 in all sectors on the existing pipe support connection plate location, approximately 24" from the New Position 4 pipe (existing position 3 pipe). Connect pipe to existing plate using two (2) new 1/2" Dia. U-bolts utilizing existing mounting plate holes. Connect pipe to existing support rail with new VZWSMART-MSK1 crossover plates.
3. Contractor shall relocate existing radios from Position 3 to the adjacent sector Position 2. Radios shall still service the adjacent sector LTE antennas in new Position 5. Refer to placement diagrams and to Construction Drawings by ProTerra Design Group, dated 8/30/2022.
4. Existing collar threaded rods shall be trimmed to extend no more than 3" beyond the lock nut. Treat all cut ends with (2) coats of cold galvanization (Zinga or Zinc Kote)
5. Contractor shall inspect climbing facilities and safety climb, if present, and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
A1	MT6413-77A	28.9	15.8	65.8514	3	a	Front	33	0	Added	
R6	B2/B66A RRH-BR049	15	15	35.22	4	a	Behind	32.16	0	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	a	Front	32.16	8	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	b	Front	32.16	-8	Retained	04/18/2021
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	a	Behind	36	4	Added	
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	b	Behind	36	-4	Added	
R10	CBC78T-DS-43-2X	6.4	6.9	11.22	5	a	Behind	6	0	Retained	

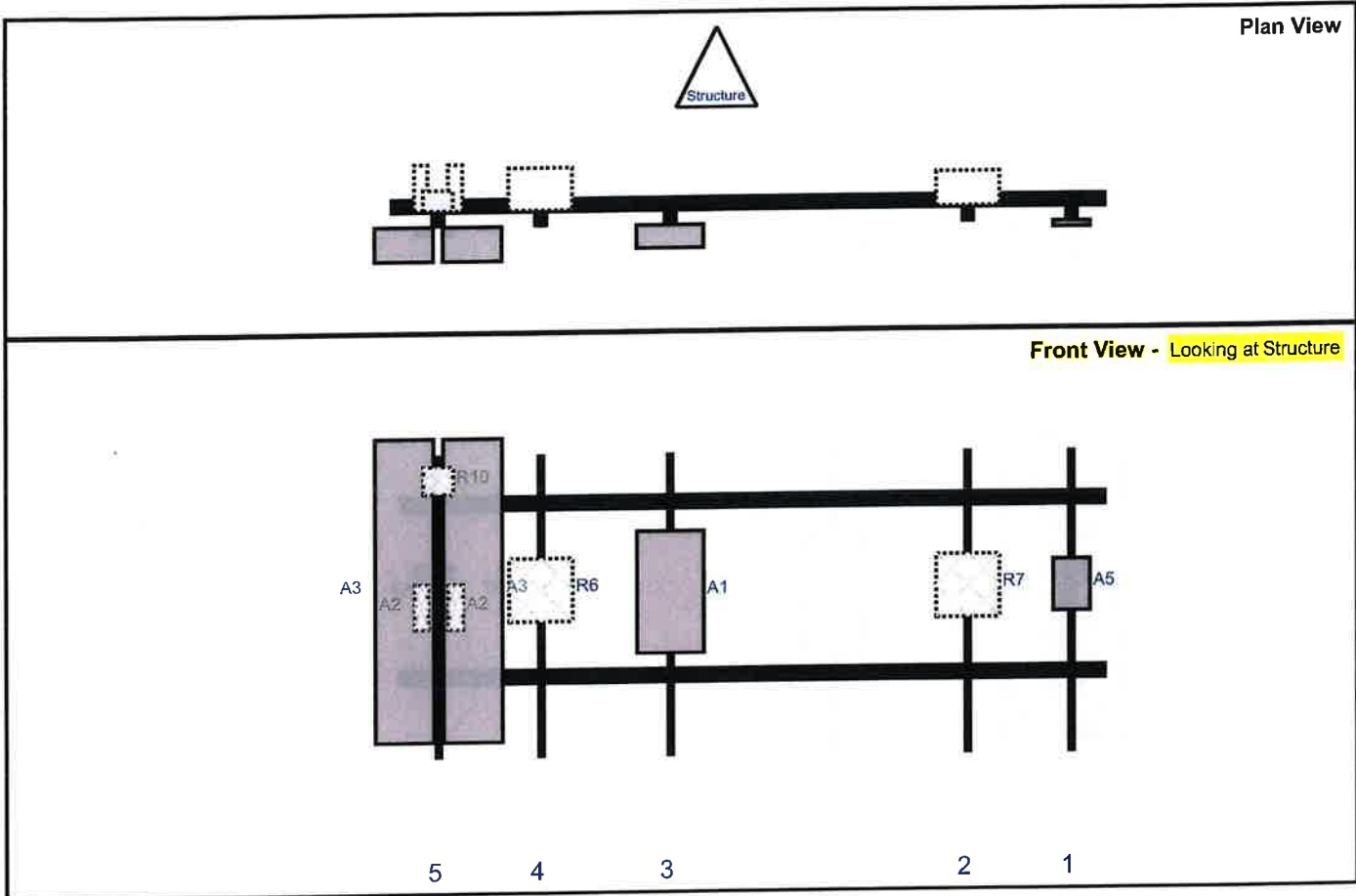
Sector: B
 Structure Type: Monopole
 Mount Elev: 78.28

10211522

10/26/2023



Page: 2



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
A1	MT6413-77A	28.9	15.8	65.8514	3	a	Front	33	0	Added	
R6	B2/B66A RRH-BR049	15	15	35.22	4	a	Behind	32.16	0	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	a	Front	32.16	8	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	b	Front	32.16	-8	Retained	04/18/2021
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	a	Behind	36	4	Added	
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	b	Behind	36	-4	Added	
R10	CBC78T-DS-43-2X	6.4	6.9	11.22	5	a	Behind	6	0	Retained	

Structure: 5000105444-VZW - FAIRFIELD 2 CT

Sector: C

10/26/2023

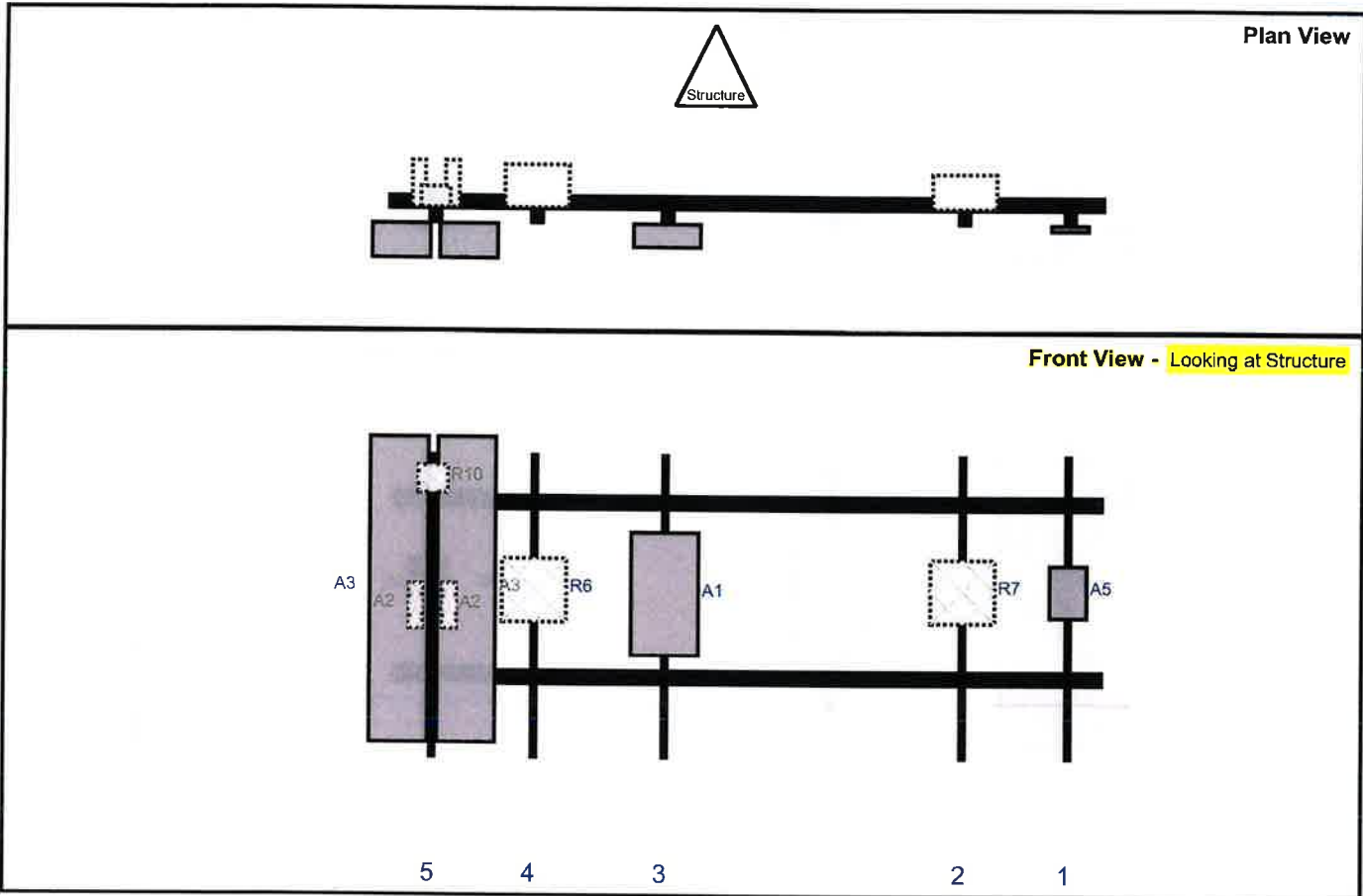
Structure Type: Monopole

10211522



Mount Elev: 78.28

Page: 3



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
A1	MT6413-77A	28.9	15.8	65.8514	3	a	Front	33	0	Added	
R6	B2/B66A RRH-BR049	15	15	35.22	4	a	Behind	32.18	0	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	a	Front	32.16	8	Retained	04/18/2021
A3	JAHH-65B-R3B	72	13.8	11.22	5	b	Front	32.16	-8	Retained	04/18/2021
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	a	Behind	36	4	Added	
A2	BSF0020F3V1-1	10.6	3.2	11.22	5	b	Behind	36	-4	Added	
R10	CBC78T-DS-43-2X	6.4	6.9	11.22	5	a	Behind	6	0	Retained	





Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Town of Fairfield	Mapping Date:	4/18/2021
Site Name:	Fairfield 2	Tower Type:	Monopole
Site Number or ID:	16244167	Tower Height (FL):	152
Mapping Contractor:	Structural Components	Mount Elevation (FL):	83

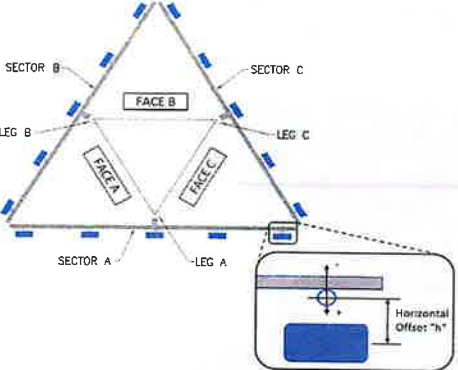
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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

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

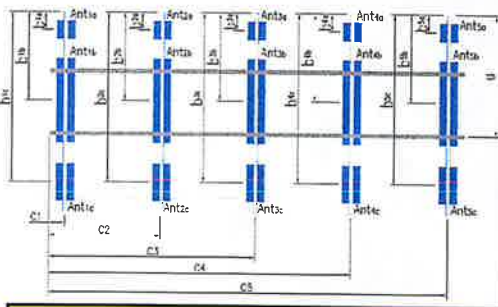
Mount Pipe Configuration and Geometries (Unit = Inches)							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y ₁ "	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y ₁ "	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	53.00	9.00	C1	2-3/8x .15x 72	53.50	9.00
A2	2-3/8x .15x 72	52.50	33.65	C2	2-3/8x .15x 72	53.25	32.88
A3	2-3/8x .15x 72	52.50	133.90	C3	2-3/8x .15x 72	53.00	136.38
A4	2-3/8x .15x 72	53.50	158.53	C4	2-3/8x .15x 72	53.00	159.63
A5				C5			
A6				C6			
B1	2-3/8x .15x 72	53.00	9.00	D1			
B2	2-3/8x .15x 72	53.00	33.00	D2			
B3	2-3/8x .15x 72	53.00	134.75	D3			
B4	2-3/8x .15x 72	53.00	159.38	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	20.63
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 information or comments below.	

Tower Face Width at Mount Elev. (ft.):	35
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	0.5



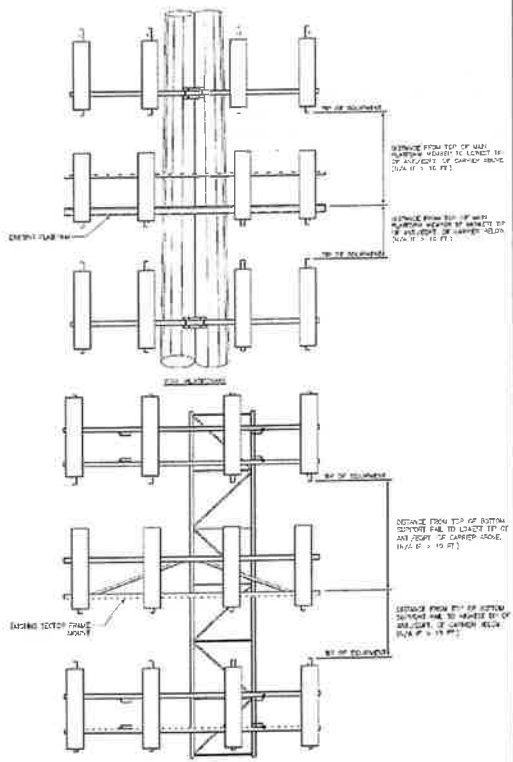
Ant. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]				Photos of antennas Photo Numbers
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	
Sector A										
Ant _{1a}										
Ant _{1b}	rt4401-48a	8.50	4.50	14.00	jumper	81.9063	45.50	9.25	20.00	22
Ant _{1c}										
Ant _{2a}										
Ant _{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	1-5/8"	83.0729	31.00	8.75	20.00	22
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	rfvo1u-d2a	15.75	10.00	15.50	jumper	83.4271	26.75	-8.50	20.00	22
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumper	82.7188	36.25	13.50	20.00	22
Ant _{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumper	83.5104	26.75	-8.25	20.00	22
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



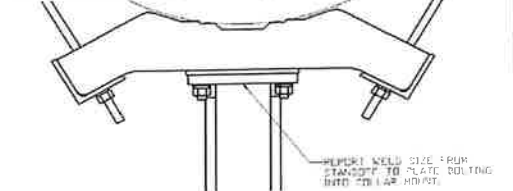
Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B								
Sector A:	20.00	Deg	Leg A:	Deg	Ant _{1a}											
Sector B:	140.00	Deg	Leg B:	Deg	Ant _{1b}	rt4401-48a	8.50	4.50	14.00	jumpers	82.0729	43.50	8.75	140.00	27	
Sector C:	260.00	Deg	Leg C:	Deg	Ant _{1c}											
Sector D:		Deg	Leg D:	Deg	Ant _{2a}											
Climbing Facility Information					Ant _{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	1-5/8" T	83.0104	32.25	8.75	140.00	27	
Location: 205.00 Deg N/A					Ant _{2c}											
Climbing Facility	Corrosion Type:		Good condition.			Ant _{3a}	rfvo1u-d2a	15.75	10.00	15.50	jumpers	83.3854	27.75	-8.25	140.00	27
	Access:		Climbing path was unobstructed.			Ant _{3b}										
	Condition:		Good condition.			Ant _{3c}										
						Ant _{4a}										
					Ant _{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumpers	82.6771	36.25	13.50	140.00	27	
					Ant _{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumpers	83.4688	26.75	-9.00	140.00	27	
					Ant _{5a}											
					Ant _{5b}											
					Ant _{5c}											
					Ant on Standoff											
					Ant on Standoff											
					Ant on Tower											
					Ant on Tower											
Please insert a photo of the mount centerline measurement here,																
Sector C																
					Ant _{1a}											
					Ant _{1b}	rt4401-48a	8.50	4.50	14.00	jumpers	82.2813	41.50	9.25	260.00	32	
					Ant _{1c}											
					Ant _{2a}											
					Ant _{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	1-5/8" T	83.0104	32.50	8.75	260.00	32	
					Ant _{2c}											
					Ant _{3a}											
					Ant _{3b}	rfvo1u-d2a	15.75	10.00	15.50	jumpers	83.3854	27.75	-8.00	260.00	32	
					Ant _{3c}											
					Ant _{4a}											
					Ant _{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumpers	82.6771	36.25	13.75	260.00	32	
					Ant _{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumpers	83.4271	27.25	-9.00	260.00	32	
					Ant _{5a}											
					Ant _{5b}											
					Ant _{5c}											
					Ant on Standoff											
					Ant on Standoff											
					Ant on Tower											
					Ant on Tower											
Sector D																
					Ant _{1a}											
					Ant _{1b}											
					Ant _{1c}											
					Ant _{2a}											
					Ant _{2b}											
					Ant _{2c}											
					Ant _{3a}											
					Ant _{3b}											
					Ant _{3c}											
					Ant _{4a}											
					Ant _{4b}											
					Ant _{4c}											
					Ant _{5a}											
					Ant _{5b}											
					Ant _{5c}											
					Ant on Standoff											
					Ant on Standoff											
					Ant on Tower											
					Ant on Tower											

Please insert a photo of the mount centerline measurement here,



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



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System			
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.			Photo #
Description of Obstruction:			
Type of Light:	Photo #	Additional Comments:	
Lighting Technology:	Photo #		
Elevation (AGL) at base of light (ft.):	Photo #		
Is a service loop available?	Photo #		
Is beacon installed on an extension?	Photo #		

Mapping Notes
<ol style="list-style-type: none"> 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.



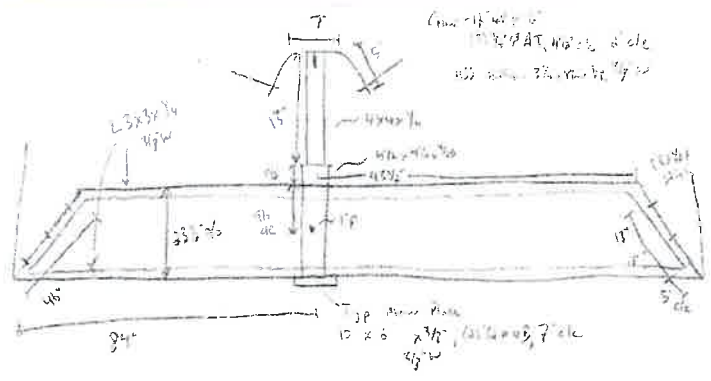
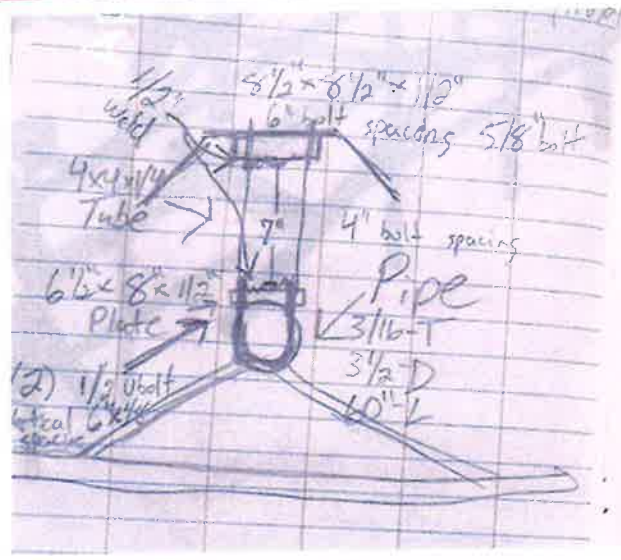
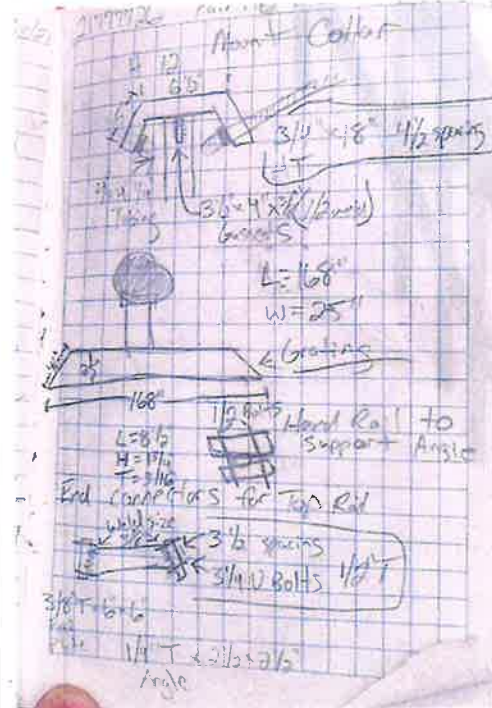
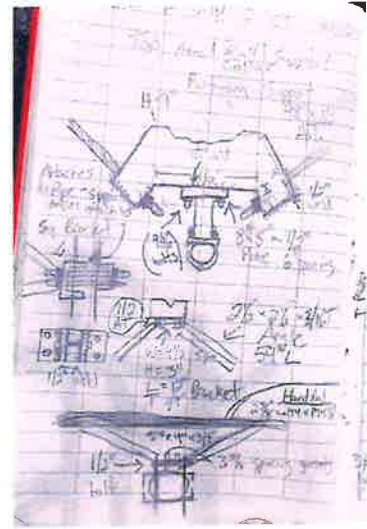
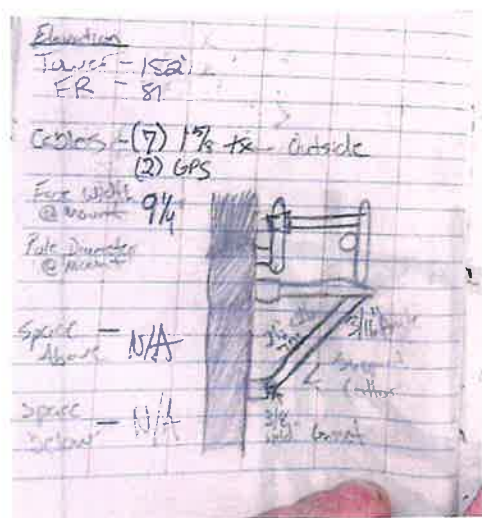
Antenna Mount Mapping Form (PATENT PENDING)

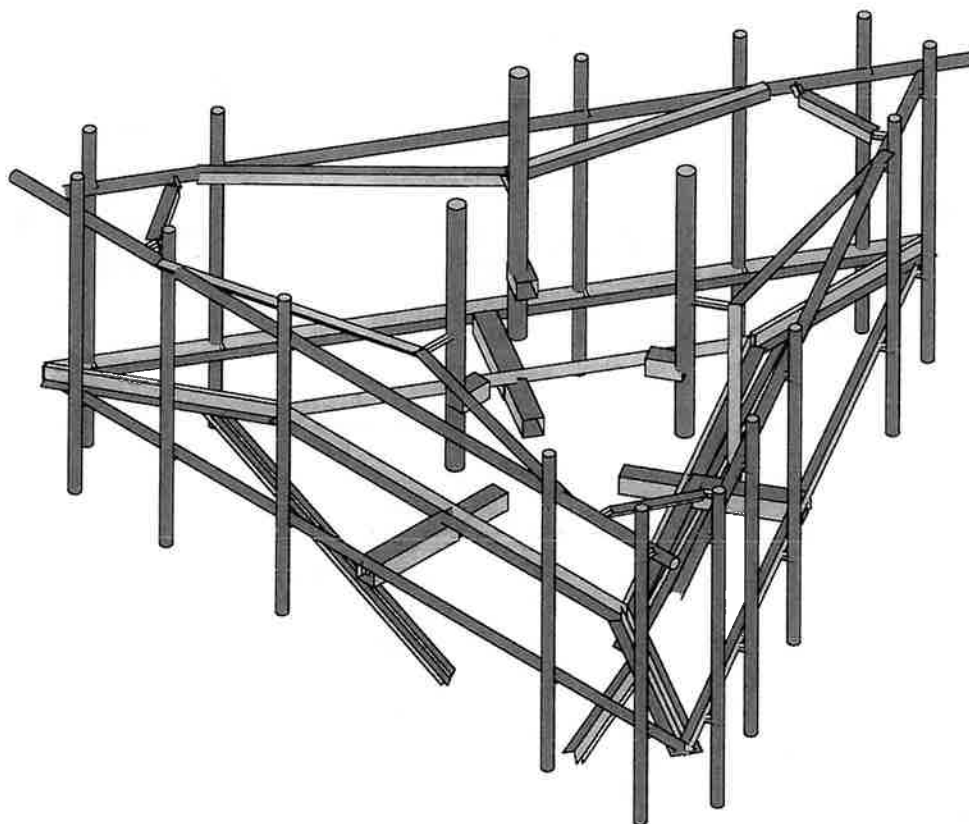
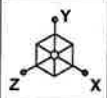
FCC #

Tower Owner:	Town of Fairfield	Mapping Date:	4/18/2021
Site Name:	Fairfield 2	Tower Type:	Monopole
Site Number or ID:	16244167	Tower Height (FL):	152
Mapping Contractor:	Structural Components	Mount Elevation (FL):	83

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Please Insert Sketches of the Antenna Mount



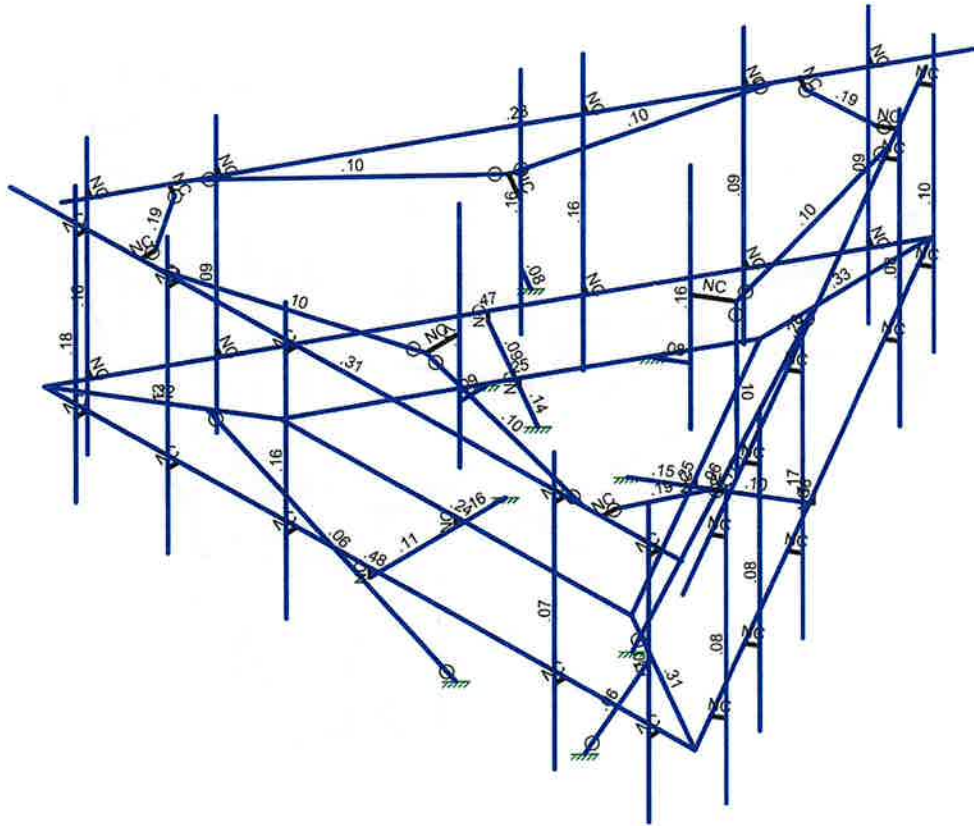
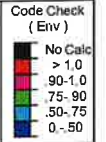
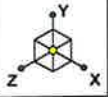


Mount Analysis

SK - 1

Oct 25, 2023 at 11:39 AM

5000105444-VZW_MT_LO_H.r3d



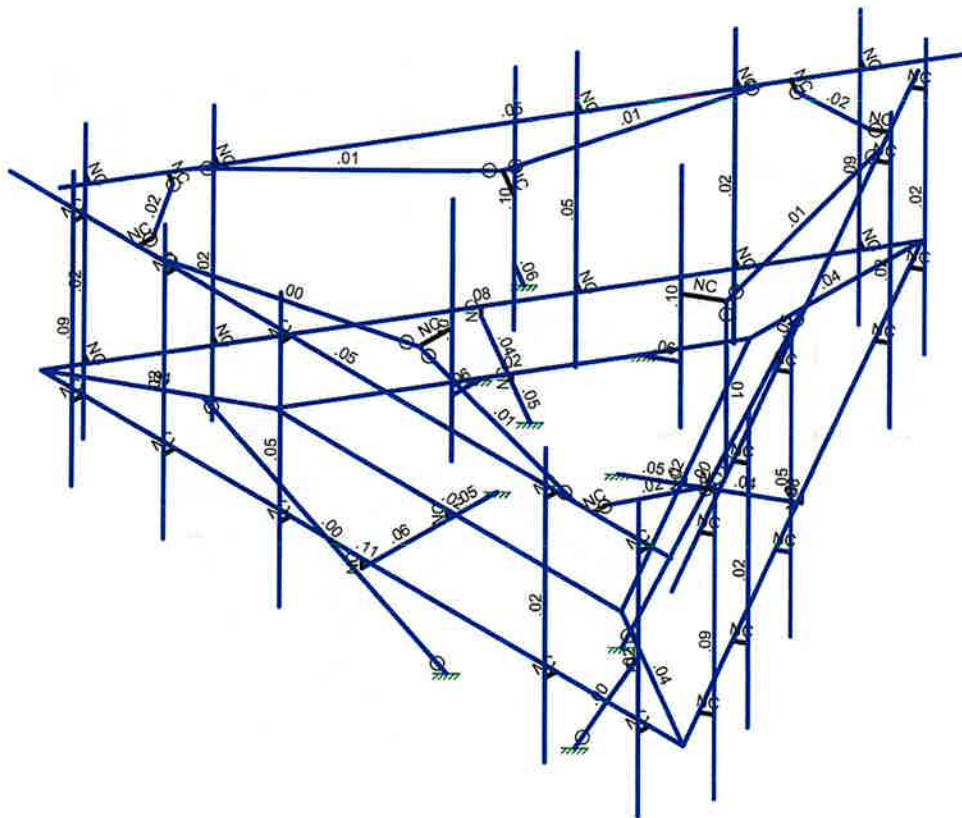
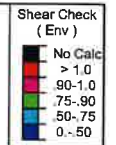
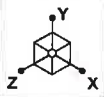
Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Mount Analysis

SK - 2

Oct 25, 2023 at 11:39 AM

5000105444-VZW_MT_LO_H.r3d



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

Mount Analysis

SK - 3

Oct 25, 2023 at 11:39 AM

5000105444-VZW_MT_LO_H.r3d



Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
1	Antenna D	None					108			
2	Antenna Di	None					108			
3	Antenna Wo (0 Deg)	None					108			
4	Antenna Wo (30 Deg)	None					108			
5	Antenna Wo (60 Deg)	None					108			
6	Antenna Wo (90 Deg)	None					108			
7	Antenna Wo (120 Deg)	None					108			
8	Antenna Wo (150 Deg)	None					108			
9	Antenna Wo (180 Deg)	None					108			
10	Antenna Wo (210 Deg)	None					108			
11	Antenna Wo (240 Deg)	None					108			
12	Antenna Wo (270 Deg)	None					108			
13	Antenna Wo (300 Deg)	None					108			
14	Antenna Wo (330 Deg)	None					108			
15	Antenna Wi (0 Deg)	None					108			
16	Antenna Wi (30 Deg)	None					108			
17	Antenna Wi (60 Deg)	None					108			
18	Antenna Wi (90 Deg)	None					108			
19	Antenna Wi (120 Deg)	None					108			
20	Antenna Wi (150 Deg)	None					108			
21	Antenna Wi (180 Deg)	None					108			
22	Antenna Wi (210 Deg)	None					108			
23	Antenna Wi (240 Deg)	None					108			
24	Antenna Wi (270 Deg)	None					108			
25	Antenna Wi (300 Deg)	None					108			
26	Antenna Wi (330 Deg)	None					108			
27	Antenna Wm (0 Deg)	None					108			
28	Antenna Wm (30 Deg)	None					108			
29	Antenna Wm (60 Deg)	None					108			
30	Antenna Wm (90 Deg)	None					108			
31	Antenna Wm (120 Deg)	None					108			
32	Antenna Wm (150 Deg)	None					108			
33	Antenna Wm (180 Deg)	None					108			
34	Antenna Wm (210 Deg)	None					108			
35	Antenna Wm (240 Deg)	None					108			
36	Antenna Wm (270 Deg)	None					108			
37	Antenna Wm (300 Deg)	None					108			
38	Antenna Wm (330 Deg)	None					108			
39	Structure D	None		-1					3	
40	Structure Di	None						51	3	
41	Structure Wo (0 Deg)	None						102		
42	Structure Wo (30 Deg)	None						102		
43	Structure Wo (60 Deg)	None						102		
44	Structure Wo (90 Deg)	None						102		
45	Structure Wo (120 Deg)	None						102		
46	Structure Wo (150 Deg)	None						102		
47	Structure Wo (180 Deg)	None						102		
48	Structure Wo (210 Deg)	None						102		
49	Structure Wo (240 Deg)	None						102		
50	Structure Wo (270 Deg)	None						102		
51	Structure Wo (300 Deg)	None						102		
52	Structure Wo (330 Deg)	None						102		
53	Structure Wi (0 Deg)	None						102		
54	Structure Wi (30 Deg)	None						102		
55	Structure Wi (60 Deg)	None						102		
56	Structure Wi (90 Deg)	None						102		
57	Structure Wi (120 Deg)	None						102		
58	Structure Wi (150 Deg)	None						102		



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
59	Structure Wi (180 Deg)	None						102		
60	Structure Wi (210 Deg)	None						102		
61	Structure Wi (240 Deg)	None						102		
62	Structure Wi (270 Deg)	None						102		
63	Structure Wi (300 Deg)	None						102		
64	Structure Wi (330 Deg)	None						102		
65	Structure Wm (0 Deg)	None						102		
66	Structure Wm (30 Deg)	None						102		
67	Structure Wm (60 Deg)	None						102		
68	Structure Wm (90 Deg)	None						102		
69	Structure Wm (120 Deg)	None						102		
70	Structure Wm (150 Deg)	None						102		
71	Structure Wm (180 Deg)	None						102		
72	Structure Wm (210 Deg)	None						102		
73	Structure Wm (240 Deg)	None						102		
74	Structure Wm (270 Deg)	None						102		
75	Structure Wm (300 Deg)	None						102		
76	Structure Wm (330 Deg)	None						102		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					108			
82	Antenna Eh (0 Deg)	None					72			
83	Antenna Eh (90 Deg)	None					72			
84	Structure Ev	ELY		-047					3	
85	Structure Eh (0 Deg)	ELZ			-117				3	
86	Structure Eh (90 Deg)	ELX	.117						3	
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		
89	BLC 84 Transient Area Loads	None						30		
90	BLC 85 Transient Area Loads	None						30		
91	BLC 86 Transient Area Loads	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	So. P...	S...	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.	BLC Fac.
22	1.2D + 1.0Di + 1.0...	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1			
23	1.2D + 1.0Di + 1.0...	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1			
24	1.2D + 1.0Di + 1.0...	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1			
25	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1					
26	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1					
27	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1					
28	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1					
29	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1					
30	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1					
31	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1					
32	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1					
33	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1					
34	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1					
35	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1					
36	1.2D + 1.5Lm1 + 1...	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1					
37	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1					
38	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1					
39	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1					
40	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1					
41	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1					
42	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1					
43	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1					
44	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1					
45	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1					
46	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1					
47	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1					
48	1.2D + 1.5Lm2 + 1...	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1					
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5									
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5									
51	1.4D	Yes	Y	1	1.4	39	1.4											
52	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX
53	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX .5
54	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX .866
55	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX 1
56	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX .866
57	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX .5
58	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX
59	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX -.5
60	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX -.866
61	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX -1
62	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX -.866
63	1.2D + 1.0Ev + 1.0...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX -.5
64	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX
65	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX .5
66	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX .866
67	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX 1
68	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX .866
69	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX .5
70	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX
71	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX -.5
72	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX -.866
73	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX -1
74	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX -.866
75	0.9D - 1.0Ev + 1.0...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX -.5

Joint Coordinates and Temperatures

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
1	N1	0	0	4.083583	0	
2	N7A	-0.	-0.1875	0.000002	0	
3	N8	-0.	0	-6.583827	0	
4	N10	-4.835736	0	2.791914	0	
5	N12	4.835736	0	2.791914	0	
6	N14	0	-0.1875	4.083583	0	
7	N15	0.	-0.1875	2.791914	0	
8	N16	0.	-0.1875	1.125247	0	
9	N23	6.322975	0	4.083583	0	
10	N27	6.322975	0	4.333583	0	
11	N31	6.791667	3.4375	4.083583	0	
12	N32	-7.791667	3.4375	4.083583	0	
13	N33	6.322975	3.4375	4.083583	0	
14	N37	6.322975	3.4375	4.333583	0	
15	N41	6.322975	4.395833	4.333583	0	
16	N42	6.322975	-1.604167	4.333583	0	
17	N101	-7.541667	3.4375	4.083583	0	
18	N102	6.541667	3.4375	4.083583	0	
19	N115	0	0	2.00025	0	
20	N118	0.	0	2.20858	0	
21	N119	0.	-0.1875	2.20858	0	
22	N109B	3.536487	0	-2.041792	0	
23	N111B	3.536487	-0.1875	-2.041792	0	
24	N112B	0.974492	-0.1875	-0.562624	0	
25	N113A	0.036487	0	-8.103969	0	
26	N114A	7.036487	0	4.020386	0	
27	N117A	1.912687	0	-1.10429	0	
28	N118A	1.912687	-0.1875	-1.10429	0	
29	N119A	-3.536487	0	-2.041792	0	
30	N121	-3.536487	-0.1875	-2.041792	0	
31	N122	-0.974492	-0.1875	-0.562624	0	
32	N123	-7.036487	0	4.020386	0	
33	N124	-0.036487	0	-8.103969	0	
34	N127	-1.912687	0	-1.10429	0	
35	N128	-1.912687	-0.1875	-1.10429	0	
36	N127A	3.825373	0	2.20858	0	
37	N128A	-3.825373	0	2.20858	0	
38	N129	-0.	0	-4.417161	0	
39	N125	7.072974	0	4.083583	0	
40	N126	-7.072974	0	4.083583	0	
41	N127B	-0.	0	-8.167167	0	
42	N42A	4.268808	0	4.083583	0	
43	N43	4.268808	0	4.333583	0	
44	N44	4.268808	3.4375	4.083583	0	
45	N45	4.268808	3.4375	4.333583	0	
46	N46	4.268808	4.395833	4.333583	0	
47	N47	4.268808	-1.604167	4.333583	0	
48	N48	-1.585358	0	4.083583	0	
49	N49	-1.585358	0	4.333583	0	
50	N50	-1.585358	3.4375	4.083583	0	
51	N51	-1.585358	3.4375	4.333583	0	
52	N52	-1.585358	4.395833	4.333583	0	
53	N53	-1.585358	-1.604167	4.333583	0	
54	N54	-6.137858	0	4.083583	0	
55	N55	-6.137858	0	4.333583	0	
56	N56	-6.137858	3.4375	4.083583	0	
57	N57	-6.137858	3.4375	4.333583	0	
58	N58	-6.137858	4.395833	4.333583	0	



Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
59	N59	-6.137858	-1.604167	4.333583	0	
60	N60	0.374999	0	-7.517649	0	
61	N61	0.591506	0	-7.642649	0	
62	N62	0.140654	3.4375	-7.923548	0	
63	N63	7.43232	3.4375	4.70599	0	
64	N64	0.374999	3.4375	-7.517649	0	
65	N65	0.591506	3.4375	-7.642649	0	
66	N66	0.591506	4.395833	-7.642649	0	
67	N67	0.591506	-1.604167	-7.642649	0	
68	N68	1.402083	0	-5.738688	0	
69	N69	1.618589	0	-5.863688	0	
70	N70	1.402083	3.4375	-5.738688	0	
71	N71	1.618589	3.4375	-5.863688	0	
72	N72	1.618589	4.395833	-5.863688	0	
73	N73	1.618589	-1.604167	-5.863688	0	
74	N80	6.605416	0	3.27375	0	
75	N81	6.821922	0	3.14875	0	
76	N82	6.605416	3.4375	3.27375	0	
77	N83	6.821922	3.4375	3.14875	0	
78	N84	6.821922	4.395833	3.14875	0	
79	N85	6.821922	-1.604167	3.14875	0	
80	N86	-6.697974	0	3.434065	0	
81	N87	-6.914481	0	3.309065	0	
82	N88	-6.93232	3.4375	3.839964	0	
83	N89	0.359346	3.4375	-8.789573	0	
84	N90	-6.697974	3.4375	3.434065	0	
85	N91	-6.914481	3.4375	3.309065	0	
86	N92	-6.914481	4.395833	3.309065	0	
87	N93	-6.914481	-1.604167	3.309065	0	
88	N94	-5.670891	0	1.655105	0	
89	N95	-5.887397	0	1.530105	0	
90	N96	-5.670891	3.4375	1.655105	0	
91	N97	-5.887397	3.4375	1.530105	0	
92	N98	-5.887397	4.395833	1.530105	0	
93	N99	-5.887397	-1.604167	1.530105	0	
94	N106	-0.467558	0	-7.357333	0	
95	N107	-0.684064	0	-7.482333	0	
96	N108	-0.467558	3.4375	-7.357333	0	
97	N109	-0.684064	3.4375	-7.482333	0	
98	N110	-0.684064	4.395833	-7.482333	0	
99	N111	-0.684064	-1.604167	-7.482333	0	
100	N113	5.070833	3.4375	4.083583	0	
101	N114	4.654167	3.4375	4.083583	0	
102	N115A	-4.545	3.4375	4.083583	0	
103	N117	6.022083	3.4375	2.263387	0	
104	N125B	5.070833	3.4375	3.771083	0	
105	N129A	5.75145	3.4375	2.419637	0	
106	N130A	0	2.145833	1.541914	0	
107	N131	0	2.145833	2.125247	0	
108	N132	0	0.895833	2.125247	0	
109	N133	0	5.895833	2.125247	0	
110	N134A	0	3.4375	2.125247	0	
111	N135A	0	3.4375	2.854414	0	
112	N139	1.335336	2.145833	-0.770957	0	
113	N140	1.840518	2.145833	-1.062624	0	
114	N141	1.840518	0.895833	-1.062624	0	
115	N142	1.840518	5.895833	-1.062624	0	
116	N143	1.840518	3.4375	-1.062624	0	
117	N144	2.471995	3.4375	-1.427207	0	

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
118	N148	-1.335336	2.145833	-0.770957	0	
119	N149	-1.840518	2.145833	-1.062624	0	
120	N150	-1.840518	0.895833	-1.062624	0	
121	N151	-1.840518	5.895833	-1.062624	0	
122	N152	-1.840518	3.4375	-1.062624	0	
123	N153	-2.471995	3.4375	-1.427207	0	
124	N148A	0	-4.520833	-1.625243	0	
125	N151A	-1.407503	-4.520833	0.812625	0	
126	N153A	0	0	-5.583824	0	
127	N154	1.407503	-4.520833	0.812625	0	
128	N152A	-1.585358	1.719167	4.333583	0	
129	N142A	4.329167	0	-0.66883	0	
130	N143A	4.545671	0	-0.793828	0	
131	N144A	4.329167	3.4375	-0.66883	0	
132	N145	4.545671	3.4375	-0.793828	0	
133	N146	4.545671	4.395833	-0.793828	0	
134	N147	4.545671	-1.604167	-0.793828	0	
135	N148B	4.545671	1.719167	-0.793828	0	
136	N150A	-2.743809	0	-3.414751	0	
137	N151B	-2.960312	0	-3.539749	0	
138	N152B	-2.743809	3.4375	-3.414751	0	
139	N153B	-2.960312	3.4375	-3.539749	0	
140	N154A	-2.960312	4.395833	-3.539749	0	
141	N155	-2.960312	-1.604167	-3.539749	0	
142	N156	-2.960312	1.719167	-3.539749	0	
143	N155A	-1.585358	3.469167	4.333583	0	
144	N156A	-1.585358	-0.030833	4.333583	0	
145	N157	-1.585358	2.719167	4.333583	0	
146	N158	-1.585358	0.719167	4.333583	0	
147	N159	-1.585358	4.215833	4.333583	0	
148	N160	-1.585358	-0.784167	4.333583	0	
149	N162	-4.137858	0	4.083583	0	
150	N163	-4.137858	0	4.333583	0	
151	N164	-4.137858	3.4375	4.083583	0	
152	N165	-4.137858	3.4375	4.333583	0	
153	N166	-4.137858	4.395833	4.333583	0	
154	N167	-4.137858	-1.604167	4.333583	0	
155	N167A	5.605416	0	1.541699	0	
156	N168	5.821922	0	1.416699	0	
157	N169	5.605416	3.4375	1.541699	0	
158	N170	5.821922	3.4375	1.416699	0	
159	N171	5.821922	4.395833	1.416699	0	
160	N172	5.821922	-1.604167	1.416699	0	
161	N173	-1.467558	0	-5.625282	0	
162	N174	-1.684064	0	-5.750282	0	
163	N175	-1.467558	3.4375	-5.625282	0	
164	N176	-1.684064	3.4375	-5.750282	0	
165	N177	-1.684064	4.395833	-5.750282	0	
166	N178	-1.684064	-1.604167	-5.750282	0	
167	N168A	1.001071	3.4375	-6.433261	0	
168	N169A	1.209399	3.4375	-6.072427	0	
169	N170A	5.808993	3.4375	1.894305	0	
170	N171A	-1.050893	3.4375	-6.346967	0	
171	N172A	0.730436	3.4375	-6.277009	0	
172	N173A	-0.78026	3.4375	-6.190717	0	
173	N176A	-6.071904	3.4375	2.34968	0	
174	N177A	-5.863577	3.4375	1.988846	0	
175	N178A	-1.263982	3.4375	-5.977885	0	
176	N179	-4.97119	3.4375	4.083583	0	

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
177	N180	-5.801269	3.4375	2.505932	0	
178	N181	-4.97119	3.4375	3.771086	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Beam	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE 2.0	Beam	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal Larg...	HSS4.5X4.5X3	Beam	None	A500 Gr. B 46	Typical	2.93	9.02	9.02	14.4
4	Standoff Horizontal Sma...	HSS4X4X4	Beam	None	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
5	V-kit HSS	HSS4X4X4	Beam	None	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
6	Face Horizontal	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Standoff Angle	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Kicker	LL2.5x2.5x3x3	Beam	None	A36 Gr.36	Typical	1.8	2.46	1.07	.023
9	V-brace Kit	L2.5x2.5x3	Beam	None	A36 Gr.36	Typical	.901	.535	.535	.011
10	Mast Pipe	PIPE 3.0	Beam	None	A36 Gr.36	Typical	2.07	2.85	2.85	5.69
11	Support Rail Corner An...	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
12	Standoff Double Angle	LL3x3x4x0	Beam	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N126	N125		270	Face Horizontal	Beam	None	A36 Gr.36	Typical
2	M7	N128A	N127A			Standoff Angle	Beam	None	A36 Gr.36	Typical
3	M10	N1	N14			RIGID	None	None	RIGID	Typical
4	M12	N14	N119			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
5	M13	N119	N16			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
6	M25	N23	N27			RIGID	None	None	RIGID	Typical
7	M26	N31	N32			Support Rail	Beam	None	A53 Gr. B	Typical
8	M30	N33	N37			RIGID	None	None	RIGID	Typical
9	MP1A	N41	N42			Mount Pipe	Beam	None	A53 Gr. B	Typical
10	M71	N118	N119			RIGID	None	None	RIGID	Typical
11	M57	N109B	N111B		240	RIGID	None	None	RIGID	Typical
12	M58A	N111B	N118A			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
13	M59A	N118A	N112B			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
14	M61B	N117A	N118A		240	RIGID	None	None	RIGID	Typical
15	M63B	N119A	N121		120	RIGID	None	None	RIGID	Typical
16	M64B	N121	N128			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
17	M65B	N128	N122			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
18	M67A	N127	N128		120	RIGID	None	None	RIGID	Typical
19	M65C	N127A	N129			Standoff Angle	Beam	None	A36 Gr.36	Typical
20	M66A	N129	N128A			Standoff Angle	Beam	None	A36 Gr.36	Typical
21	M65D	N127B	N125		360	Face Horizontal	Beam	None	A36 Gr.36	Typical
22	M66B	N126	N127B		360	Face Horizontal	Beam	None	A36 Gr.36	Typical
23	M23	N42A	N43			RIGID	None	None	RIGID	Typical
24	M24	N44	N45			RIGID	None	None	RIGID	Typical
25	MP2A	N46	N47			Mount Pipe	Beam	None	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
26	M26A	N48	N49			RIGID	None	None	RIGID	Typical
27	M27	N50	N51			RIGID	None	None	RIGID	Typical
28	MP3A	N52	N53			Mount Pipe	Beam	None	A53 Gr. B	Typical
29	M29	N54	N55			RIGID	None	None	RIGID	Typical
30	M30A	N56	N57			RIGID	None	None	RIGID	Typical
31	MP5A	N58	N59			Mount Pipe	Beam	None	A53 Gr. B	Typical
32	M32	N60	N61			RIGID	None	None	RIGID	Typical
33	M33	N62	N63			Support Rail	Beam	None	A53 Gr. B	Typical
34	M34	N64	N65			RIGID	None	None	RIGID	Typical
35	MP1C	N66	N67		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
36	M36	N68	N69			RIGID	None	None	RIGID	Typical
37	M37	N70	N71			RIGID	None	None	RIGID	Typical
38	MP2C	N72	N73		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
39	M42	N80	N81			RIGID	None	None	RIGID	Typical
40	M43	N82	N83			RIGID	None	None	RIGID	Typical
41	MP5C	N84	N85		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
42	M45	N86	N87			RIGID	None	None	RIGID	Typical
43	M46	N88	N89			Support Rail	Beam	None	A53 Gr. B	Typical
44	M47	N90	N91			RIGID	None	None	RIGID	Typical
45	MP1B	N92	N93		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
46	M49	N94	N95			RIGID	None	None	RIGID	Typical
47	M50	N96	N97			RIGID	None	None	RIGID	Typical
48	MP2B	N98	N99		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
49	M55	N106	N107			RIGID	None	None	RIGID	Typical
50	M56	N108	N109			RIGID	None	None	RIGID	Typical
51	MP5B	N110	N111		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
52	M58	N126	N128A		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
53	M59	N125	N127A		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
54	M60	N127B	N129		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
55	M61	N113	N125B			RIGID	None	None	RIGID	Typical
56	M64	N117	N129A			RIGID	None	None	RIGID	Typical
57	M68	N129A	N125B		180	Support Rail C..	Beam	None	A36 Gr.36	Typical
58	M70	N131	N130A			V-kit HSS	Beam	None	A500 Gr. ...	Typical
59	M71A	N133	N132			Mast Pipe	Beam	None	A36 Gr.36	Typical
60	M72	N135A	N134A			RIGID	None	None	RIGID	Typical
61	M73	N115A	N135A		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
62	M74	N114	N135A		180	V-brace Kit	Beam	None	A36 Gr.36	Typical
63	M75	N140	N139			V-kit HSS	Beam	None	A500 Gr. ...	Typical
64	M76	N142	N141		240	Mast Pipe	Beam	None	A36 Gr.36	Typical
65	M77	N144	N143			RIGID	None	None	RIGID	Typical
66	M80	N149	N148			V-kit HSS	Beam	None	A500 Gr. ...	Typical
67	M81	N151	N150		120	Mast Pipe	Beam	None	A36 Gr.36	Typical
68	M82	N153	N152			RIGID	None	None	RIGID	Typical
69	M85	N10	N151A			Kicker	Beam	None	A36 Gr.36	Typical
70	M86	N12	N154			Kicker	Beam	None	A36 Gr.36	Typical
71	M87	N153A	N148A			Kicker	Beam	None	A36 Gr.36	Typical
72	M82A	N142A	N143A			RIGID	None	None	RIGID	Typical
73	M83A	N144A	N145			RIGID	None	None	RIGID	Typical
74	MP3C	N146	N147		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
75	M85A	N150A	N151B			RIGID	None	None	RIGID	Typical
76	M86A	N152B	N153B			RIGID	None	None	RIGID	Typical
77	MP3B	N154A	N155		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
78	M88	N162	N163			RIGID	None	None	RIGID	Typical
79	M89	N164	N165			RIGID	None	None	RIGID	Typical
80	MP4A	N166	N167			Mount Pipe	Beam	None	A53 Gr. B	Typical
81	M91	N167A	N168			RIGID	None	None	RIGID	Typical
82	M92	N169	N170			RIGID	None	None	RIGID	Typical
83	MP4C	N171	N172			Mount Pipe	Beam	None	A53 Gr. B	Typical
84	M94	N173	N174			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
85	M95	N175	N176			RIGID	None	None	RIGID	Typical
86	MP4B	N177	N178			Mount Pipe	Beam	None	A53 Gr. B	Typical
87	M87A	N168A	N172A			RIGID	None	None	RIGID	Typical
88	M88A	N171A	N173A			RIGID	None	None	RIGID	Typical
89	M89A	N173A	N172A		180	Support Rail C..	Beam	None	A36 Gr.36	Typical
90	M90	N170A	N144		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
91	M91A	N169A	N144		180	V-brace Kit	Beam	None	A36 Gr.36	Typical
92	M92A	N176A	N180			RIGID	None	None	RIGID	Typical
93	M93	N179	N181			RIGID	None	None	RIGID	Typical
94	M94A	N181	N180		180	Support Rail C..	Beam	None	A36 Gr.36	Typical
95	M95A	N178A	N153		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
96	M96	N177A	N153		180	V-brace Kit	Beam	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M7						Yes				None
3	M10						Yes	** NA **			None
4	M12						Yes				None
5	M13						Yes				None
6	M25						Yes	** NA **			None
7	M26						Yes	Default			None
8	M30						Yes	** NA **			None
9	MP1A						Yes				None
10	M71						Yes	** NA **			None
11	M57						Yes	** NA **			None
12	M58A						Yes				None
13	M59A						Yes				None
14	M61B						Yes	** NA **			None
15	M63B						Yes	** NA **			None
16	M64B						Yes				None
17	M65B						Yes				None
18	M67A						Yes	** NA **			None
19	M65C						Yes				None
20	M66A						Yes				None
21	M65D						Yes				None
22	M66B						Yes				None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	MP2A						Yes				None
26	M26A						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	MP3A						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30A						Yes	** NA **			None
31	MP5A						Yes				None
32	M32						Yes	** NA **			None
33	M33						Yes	Default			None
34	M34						Yes	** NA **			None
35	MP1C						Yes				None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	MP2C						Yes				None
39	M42						Yes	** NA **			None
40	M43						Yes	** NA **			None
41	MP5C						Yes				None
42	M45						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...
43	M46						Yes	Default			None
44	M47						Yes	** NA **			None
45	MP1B						Yes				None
46	M49						Yes	** NA **			None
47	M50						Yes	** NA **			None
48	MP2B						Yes				None
49	M55						Yes	** NA **			None
50	M56						Yes	** NA **			None
51	MP5B						Yes				None
52	M58						Yes				None
53	M59						Yes				None
54	M60						Yes				None
55	M61	OOOOOX					Yes	** NA **			None
56	M64	OOOOOX					Yes	** NA **			None
57	M68						Yes				None
58	M70						Yes				None
59	M71A						Yes				None
60	M72						Yes	** NA **			None
61	M73	BenPIN	BenPIN				Yes				None
62	M74	BenPIN	BenPIN				Yes				None
63	M75						Yes				None
64	M76						Yes				None
65	M77						Yes	** NA **			None
66	M80						Yes				None
67	M81						Yes				None
68	M82						Yes	** NA **			None
69	M85	BenPIN	BenPIN				Yes				None
70	M86	BenPIN	BenPIN				Yes				None
71	M87	BenPIN	BenPIN				Yes				None
72	M82A						Yes	** NA **			None
73	M83A						Yes	** NA **			None
74	MP3C						Yes				None
75	M85A						Yes	** NA **			None
76	M86A						Yes	** NA **			None
77	MP3B						Yes				None
78	M88						Yes	** NA **			None
79	M89						Yes	** NA **			None
80	MP4A						Yes				None
81	M91						Yes	** NA **			None
82	M92						Yes	** NA **			None
83	MP4C						Yes				None
84	M94						Yes	** NA **			None
85	M95						Yes	** NA **			None
86	MP4B						Yes				None
87	M87A	OOOOOX					Yes	** NA **			None
88	M88A	OOOOOX					Yes	** NA **			None
89	M89A						Yes				None
90	M90	BenPIN	BenPIN				Yes				None
91	M91A	BenPIN	BenPIN				Yes				None
92	M92A	OOOOOX					Yes	** NA **			None
93	M93	OOOOOX					Yes	** NA **			None
94	M94A						Yes				None
95	M95A	BenPIN	BenPIN				Yes				None
96	M96	BenPIN	BenPIN				Yes				None



Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-28.65	1.75
2	MP3A	My	-.014	1.75
3	MP3A	Mz	0	1.75
4	MP3A	Y	-28.65	3.75
5	MP3A	My	-.014	3.75
6	MP3A	Mz	0	3.75
7	MP3B	Y	-28.65	1.75
8	MP3B	My	.009	1.75
9	MP3B	Mz	-.011	1.75
10	MP3B	Y	-28.65	3.75
11	MP3B	My	.009	3.75
12	MP3B	Mz	-.011	3.75
13	MP3C	Y	-28.65	1.75
14	MP3C	My	.007	1.75
15	MP3C	Mz	.012	1.75
16	MP3C	Y	-28.65	3.75
17	MP3C	My	.007	3.75
18	MP3C	Mz	.012	3.75
19	MP4A	Y	-17.6	3
20	MP4A	My	.009	3
21	MP4A	Mz	-.006	3
22	MP4B	Y	-17.6	3
23	MP4B	My	-.001	3
24	MP4B	Mz	.011	3
25	MP4C	Y	-17.6	3
26	MP4C	My	-.009	3
27	MP4C	Mz	-.005	3
28	MP4A	Y	-17.6	3
29	MP4A	My	.009	3
30	MP4A	Mz	.006	3
31	MP4B	Y	-17.6	3
32	MP4B	My	-.01	3
33	MP4B	Mz	.003	3
34	MP4C	Y	-17.6	3
35	MP4C	My	.000681	3
36	MP4C	Mz	-.011	3
37	MP5A	Y	-10.4	1.5
38	MP5A	My	.003	1.5
39	MP5A	Mz	0	1.5
40	MP5B	Y	-10.4	1.5
41	MP5B	My	-.002	1.5
42	MP5B	Mz	.002	1.5
43	MP5C	Y	-10.4	1.5
44	MP5C	My	-.001	1.5
45	MP5C	Mz	-.002	1.5
46	MP5A	Y	-31.65	.93
47	MP5A	My	-.024	.93
48	MP5A	Mz	.021	.93
49	MP5A	Y	-31.65	4.43
50	MP5A	My	-.024	4.43
51	MP5A	Mz	.021	4.43
52	MP5B	Y	-31.65	.93
53	MP5B	My	-.000905	.93
54	MP5B	Mz	-.032	.93
55	MP5B	Y	-31.65	4.43
56	MP5B	My	-.000905	4.43
57	MP5B	Mz	-.032	4.43
58	MP5C	Y	-31.65	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
59	MP5C	My	.03	.93
60	MP5C	Mz	.01	.93
61	MP5C	Y	-31.65	4.43
62	MP5C	My	.03	4.43
63	MP5C	Mz	.01	4.43
64	MP5A	Y	-31.65	.93
65	MP5A	My	-.024	.93
66	MP5A	Mz	-.021	.93
67	MP5A	Y	-31.65	4.43
68	MP5A	My	-.024	4.43
69	MP5A	Mz	-.021	4.43
70	MP5B	Y	-31.65	.93
71	MP5B	My	.031	.93
72	MP5B	Mz	-.005	.93
73	MP5B	Y	-31.65	4.43
74	MP5B	My	.031	4.43
75	MP5B	Mz	-.005	4.43
76	MP5C	Y	-31.65	.93
77	MP5C	My	-.006	.93
78	MP5C	Mz	.031	.93
79	MP5C	Y	-31.65	4.43
80	MP5C	My	-.006	4.43
81	MP5C	Mz	.031	4.43
82	MP1A	Y	-4.4	2.68
83	MP1A	My	-.001	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	-4.4	2.68
86	MP1B	My	.000943	2.68
87	MP1B	Mz	-.001	2.68
88	MP1C	Y	-4.4	2.68
89	MP1C	My	.000733	2.68
90	MP1C	Mz	.001	2.68
91	MP5A	Y	-84.4	2.68
92	MP5A	My	.042	2.68
93	MP5A	Mz	0	2.68
94	MP5B	Y	-84.4	2.68
95	MP5B	My	-.027	2.68
96	MP5B	Mz	.032	2.68
97	MP5C	Y	-84.4	2.68
98	MP5C	My	-.021	2.68
99	MP5C	Mz	-.037	2.68
100	MP2A	Y	-70.3	2.68
101	MP2A	My	.035	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	-70.3	2.68
104	MP2B	My	.035	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	-70.3	2.68
107	MP2C	My	.035	2.68
108	MP2C	Mz	0	2.68

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	-27.944	1.75
2	MP3A	My	-.014	1.75
3	MP3A	Mz	0	1.75
4	MP3A	Y	-27.944	3.75
5	MP3A	My	-.014	3.75



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

	Member Label	Direction	Magnitude (lb.k-ft)	Location (ft. %)
6	MP3A	Mz	0	3.75
7	MP3B	Y	-27.944	1.75
8	MP3B	My	.009	1.75
9	MP3B	Mz	-.011	1.75
10	MP3B	Y	-27.944	3.75
11	MP3B	My	.009	3.75
12	MP3B	Mz	-.011	3.75
13	MP3C	Y	-27.944	1.75
14	MP3C	My	.007	1.75
15	MP3C	Mz	.012	1.75
16	MP3C	Y	-27.944	3.75
17	MP3C	My	.007	3.75
18	MP3C	Mz	.012	3.75
19	MP4A	Y	-16.191	3
20	MP4A	My	.008	3
21	MP4A	Mz	-.005	3
22	MP4B	Y	-16.191	3
23	MP4B	My	-.001	3
24	MP4B	Mz	.01	3
25	MP4C	Y	-16.191	3
26	MP4C	My	-.009	3
27	MP4C	Mz	-.004	3
28	MP4A	Y	-16.191	3
29	MP4A	My	.008	3
30	MP4A	Mz	.005	3
31	MP4B	Y	-16.191	3
32	MP4B	My	-.009	3
33	MP4B	Mz	.003	3
34	MP4C	Y	-16.191	3
35	MP4C	My	.000626	3
36	MP4C	Mz	-.01	3
37	MP5A	Y	-9.998	1.5
38	MP5A	My	.002	1.5
39	MP5A	Mz	0	1.5
40	MP5B	Y	-9.998	1.5
41	MP5B	My	-.002	1.5
42	MP5B	Mz	.002	1.5
43	MP5C	Y	-9.998	1.5
44	MP5C	My	-.001	1.5
45	MP5C	Mz	-.002	1.5
46	MP5A	Y	-65.738	.93
47	MP5A	My	-.049	.93
48	MP5A	Mz	.044	.93
49	MP5A	Y	-65.738	4.43
50	MP5A	My	-.049	4.43
51	MP5A	Mz	.044	4.43
52	MP5B	Y	-65.738	.93
53	MP5B	My	-.002	.93
54	MP5B	Mz	-.066	.93
55	MP5B	Y	-65.738	4.43
56	MP5B	My	-.002	4.43
57	MP5B	Mz	-.066	4.43
58	MP5C	Y	-65.738	.93
59	MP5C	My	.063	.93
60	MP5C	Mz	.021	.93
61	MP5C	Y	-65.738	4.43
62	MP5C	My	.063	4.43
63	MP5C	Mz	.021	4.43
64	MP5A	Y	-65.738	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
65	MP5A	My	-.049	.93
66	MP5A	Mz	-.044	.93
67	MP5A	Y	-65.738	4.43
68	MP5A	My	-.049	4.43
69	MP5A	Mz	-.044	4.43
70	MP5B	Y	-65.738	.93
71	MP5B	My	.065	.93
72	MP5B	Mz	-.01	.93
73	MP5B	Y	-65.738	4.43
74	MP5B	My	.065	4.43
75	MP5B	Mz	-.01	4.43
76	MP5C	Y	-65.738	.93
77	MP5C	My	-.013	.93
78	MP5C	Mz	.065	.93
79	MP5C	Y	-65.738	4.43
80	MP5C	My	-.013	4.43
81	MP5C	Mz	.065	4.43
82	MP1A	Y	-12.526	2.68
83	MP1A	My	-.004	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	-12.526	2.68
86	MP1B	My	.003	2.68
87	MP1B	Mz	-.003	2.68
88	MP1C	Y	-12.526	2.68
89	MP1C	My	.002	2.68
90	MP1C	Mz	.004	2.68
91	MP5A	Y	-42.114	2.68
92	MP5A	My	.021	2.68
93	MP5A	Mz	0	2.68
94	MP5B	Y	-42.114	2.68
95	MP5B	My	-.014	2.68
96	MP5B	Mz	.016	2.68
97	MP5C	Y	-42.114	2.68
98	MP5C	My	-.011	2.68
99	MP5C	Mz	-.018	2.68
100	MP2A	Y	-37.856	2.68
101	MP2A	My	.019	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	-37.856	2.68
104	MP2B	My	.019	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	-37.856	2.68
107	MP2C	My	.019	2.68
108	MP2C	Mz	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.75
2	MP3A	Z	-54.475	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	-54.475	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	-34.82	1.75
9	MP3B	Mx	.013	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	-34.82	3.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3B	Mx	.013	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	-29.355	1.75
15	MP3C	Mx	-.013	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	-29.355	3.75
18	MP3C	Mx	-.013	3.75
19	MP4A	X	0	3
20	MP4A	Z	-27.597	3
21	MP4A	Mx	.009	3
22	MP4B	X	0	3
23	MP4B	Z	-27.645	3
24	MP4B	Mx	-.017	3
25	MP4C	X	0	3
26	MP4C	Z	-27.658	3
27	MP4C	Mx	.007	3
28	MP4A	X	0	3
29	MP4A	Z	-27.597	3
30	MP4A	Mx	-.009	3
31	MP4B	X	0	3
32	MP4B	Z	-27.645	3
33	MP4B	Mx	-.005	3
34	MP4C	X	0	3
35	MP4C	Z	-27.658	3
36	MP4C	Mx	.017	3
37	MP5A	X	0	1.5
38	MP5A	Z	-10.636	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	-8.713	1.5
42	MP5B	Mx	-.002	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	-8.178	1.5
45	MP5C	Mx	.002	1.5
46	MP5A	X	0	.93
47	MP5A	Z	-130.942	.93
48	MP5A	Mx	-.087	.93
49	MP5A	X	0	4.43
50	MP5A	Z	-130.942	4.43
51	MP5A	Mx	-.087	4.43
52	MP5B	X	0	.93
53	MP5B	Z	-104.569	.93
54	MP5B	Mx	.105	.93
55	MP5B	X	0	4.43
56	MP5B	Z	-104.569	4.43
57	MP5B	Mx	.105	4.43
58	MP5C	X	0	.93
59	MP5C	Z	-97.236	.93
60	MP5C	Mx	-.031	.93
61	MP5C	X	0	4.43
62	MP5C	Z	-97.236	4.43
63	MP5C	Mx	-.031	4.43
64	MP5A	X	0	.93
65	MP5A	Z	-130.942	.93
66	MP5A	Mx	.087	.93
67	MP5A	X	0	4.43
68	MP5A	Z	-130.942	4.43
69	MP5A	Mx	.087	4.43
70	MP5B	X	0	.93



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP5B	Z	-104.569	.93
72	MP5B	Mx	.015	.93
73	MP5B	X	0	4.43
74	MP5B	Z	-104.569	4.43
75	MP5B	Mx	.015	4.43
76	MP5C	X	0	.93
77	MP5C	Z	-97.236	.93
78	MP5C	Mx	-.096	.93
79	MP5C	X	0	4.43
80	MP5C	Z	-97.236	4.43
81	MP5C	Mx	-.096	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	-25.585	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-13.515	2.68
87	MP1B	Mx	.003	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	-10.159	2.68
90	MP1C	Mx	-.003	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	-44.558	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	-35.954	2.68
96	MP5B	Mx	-.014	2.68
97	MP5C	X	0	2.68
98	MP5C	Z	-33.562	2.68
99	MP5C	Mx	.015	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-44.558	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-44.558	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-44.558	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	23.051	1.75
2	MP3A	Z	-39.925	1.75
3	MP3A	Mx	-.012	1.75
4	MP3A	X	23.051	3.75
5	MP3A	Z	-39.925	3.75
6	MP3A	Mx	-.012	3.75
7	MP3B	X	10.996	1.75
8	MP3B	Z	-19.045	1.75
9	MP3B	Mx	.011	1.75
10	MP3B	X	10.996	3.75
11	MP3B	Z	-19.045	3.75
12	MP3B	Mx	.011	3.75
13	MP3C	X	23.051	1.75
14	MP3C	Z	-39.925	1.75
15	MP3C	Mx	-.012	1.75
16	MP3C	X	23.051	3.75
17	MP3C	Z	-39.925	3.75



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
18	MP3C	Mx	-.012	3.75
19	MP4A	X	13.809	3
20	MP4A	Z	-23.917	3
21	MP4A	Mx	.015	3
22	MP4B	X	13.838	3
23	MP4B	Z	-23.968	3
24	MP4B	Mx	-.015	3
25	MP4C	X	13.809	3
26	MP4C	Z	-23.917	3
27	MP4C	Mx	-.001	3
28	MP4A	X	13.809	3
29	MP4A	Z	-23.917	3
30	MP4A	Mx	-.001	3
31	MP4B	X	13.838	3
32	MP4B	Z	-23.968	3
33	MP4B	Mx	-.012	3
34	MP4C	X	13.809	3
35	MP4C	Z	-23.917	3
36	MP4C	Mx	.015	3
37	MP5A	X	4.909	1.5
38	MP5A	Z	-8.502	1.5
39	MP5A	Mx	.001	1.5
40	MP5B	X	3.729	1.5
41	MP5B	Z	-6.459	1.5
42	MP5B	Mx	-.002	1.5
43	MP5C	X	4.909	1.5
44	MP5C	Z	-8.502	1.5
45	MP5C	Mx	.001	1.5
46	MP5A	X	59.853	.93
47	MP5A	Z	-103.669	.93
48	MP5A	Mx	-.114	.93
49	MP5A	X	59.853	4.43
50	MP5A	Z	-103.669	4.43
51	MP5A	Mx	-.114	4.43
52	MP5B	X	43.678	.93
53	MP5B	Z	-75.653	.93
54	MP5B	Mx	.075	.93
55	MP5B	X	43.678	4.43
56	MP5B	Z	-75.653	4.43
57	MP5B	Mx	.075	4.43
58	MP5C	X	59.853	.93
59	MP5C	Z	-103.669	.93
60	MP5C	Mx	.024	.93
61	MP5C	X	59.853	4.43
62	MP5C	Z	-103.669	4.43
63	MP5C	Mx	.024	4.43
64	MP5A	X	59.853	.93
65	MP5A	Z	-103.669	.93
66	MP5A	Mx	.024	.93
67	MP5A	X	59.853	4.43
68	MP5A	Z	-103.669	4.43
69	MP5A	Mx	.024	4.43
70	MP5B	X	43.678	.93
71	MP5B	Z	-75.653	.93
72	MP5B	Mx	.054	.93
73	MP5B	X	43.678	4.43
74	MP5B	Z	-75.653	4.43
75	MP5B	Mx	.054	4.43
76	MP5C	X	59.853	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
77	MP5C	Z	-103.669	.93
78	MP5C	Mx	-.114	.93
79	MP5C	X	59.853	4.43
80	MP5C	Z	-103.669	4.43
81	MP5C	Mx	-.114	4.43
82	MP1A	X	10.221	2.68
83	MP1A	Z	-17.704	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	2.819	2.68
86	MP1B	Z	-4.882	2.68
87	MP1B	Mx	.002	2.68
88	MP1C	X	10.221	2.68
89	MP1C	Z	-17.704	2.68
90	MP1C	Mx	-.003	2.68
91	MP5A	X	20.446	2.68
92	MP5A	Z	-35.414	2.68
93	MP5A	Mx	.01	2.68
94	MP5B	X	15.169	2.68
95	MP5B	Z	-26.274	2.68
96	MP5B	Mx	-.015	2.68
97	MP5C	X	20.446	2.68
98	MP5C	Z	-35.414	2.68
99	MP5C	Mx	.01	2.68
100	MP2A	X	19.763	2.68
101	MP2A	Z	-34.231	2.68
102	MP2A	Mx	.01	2.68
103	MP2B	X	19.763	2.68
104	MP2B	Z	-34.231	2.68
105	MP2B	Mx	.01	2.68
106	MP2C	X	19.763	2.68
107	MP2C	Z	-34.231	2.68
108	MP2C	Mx	.01	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	25.422	1.75
2	MP3A	Z	-14.677	1.75
3	MP3A	Mx	-.013	1.75
4	MP3A	X	25.422	3.75
5	MP3A	Z	-14.677	3.75
6	MP3A	Mx	-.013	3.75
7	MP3B	X	21.563	1.75
8	MP3B	Z	-12.45	1.75
9	MP3B	Mx	.012	1.75
10	MP3B	X	21.563	3.75
11	MP3B	Z	-12.45	3.75
12	MP3B	Mx	.012	3.75
13	MP3C	X	47.177	1.75
14	MP3C	Z	-27.238	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	47.177	3.75
17	MP3C	Z	-27.238	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	23.953	3
20	MP4A	Z	-13.829	3
21	MP4A	Mx	.017	3
22	MP4B	X	23.962	3
23	MP4B	Z	-13.834	3

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

	Member Label	Direction	Magnitude [lb.k-ft]	Location [ft. %]
24	MP4B	Mx	-.01	3
25	MP4C	X	23.9	3
26	MP4C	Z	-13.798	3
27	MP4C	Mx	-.009	3
28	MP4A	X	23.953	3
29	MP4A	Z	-13.829	3
30	MP4A	Mx	.007	3
31	MP4B	X	23.962	3
32	MP4B	Z	-13.834	3
33	MP4B	Mx	-.016	3
34	MP4C	X	23.9	3
35	MP4C	Z	-13.798	3
36	MP4C	Mx	.009	3
37	MP5A	X	7.083	1.5
38	MP5A	Z	-4.089	1.5
39	MP5A	Mx	.002	1.5
40	MP5B	X	6.705	1.5
41	MP5B	Z	-3.871	1.5
42	MP5B	Mx	-.002	1.5
43	MP5C	X	9.211	1.5
44	MP5C	Z	-5.318	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	84.209	.93
47	MP5A	Z	-48.618	.93
48	MP5A	Mx	-.096	.93
49	MP5A	X	84.209	4.43
50	MP5A	Z	-48.618	4.43
51	MP5A	Mx	-.096	4.43
52	MP5B	X	79.032	.93
53	MP5B	Z	-45.629	.93
54	MP5B	Mx	.044	.93
55	MP5B	X	79.032	4.43
56	MP5B	Z	-45.629	4.43
57	MP5B	Mx	.044	4.43
58	MP5C	X	113.399	.93
59	MP5C	Z	-65.471	.93
60	MP5C	Mx	.087	.93
61	MP5C	X	113.399	4.43
62	MP5C	Z	-65.471	4.43
63	MP5C	Mx	.087	4.43
64	MP5A	X	84.209	.93
65	MP5A	Z	-48.618	.93
66	MP5A	Mx	-.031	.93
67	MP5A	X	84.209	4.43
68	MP5A	Z	-48.618	4.43
69	MP5A	Mx	-.031	4.43
70	MP5B	X	79.032	.93
71	MP5B	Z	-45.629	.93
72	MP5B	Mx	.085	.93
73	MP5B	X	79.032	4.43
74	MP5B	Z	-45.629	4.43
75	MP5B	Mx	.085	4.43
76	MP5C	X	113.399	.93
77	MP5C	Z	-65.471	.93
78	MP5C	Mx	-.087	.93
79	MP5C	X	113.399	4.43
80	MP5C	Z	-65.471	4.43
81	MP5C	Mx	-.087	4.43
82	MP1A	X	8.798	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
83	MP1A	Z	-5.08	2.68
84	MP1A	Mx	-0.003	2.68
85	MP1B	X	6.429	2.68
86	MP1B	Z	-3.712	2.68
87	MP1B	Mx	.002	2.68
88	MP1C	X	22.157	2.68
89	MP1C	Z	-12.792	2.68
90	MP1C	Mx	0	2.68
91	MP5A	X	29.065	2.68
92	MP5A	Z	-16.781	2.68
93	MP5A	Mx	.015	2.68
94	MP5B	X	27.377	2.68
95	MP5B	Z	-15.806	2.68
96	MP5B	Mx	-.015	2.68
97	MP5C	X	38.588	2.68
98	MP5C	Z	-22.279	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	25.518	2.68
101	MP2A	Z	-14.733	2.68
102	MP2A	Mx	.013	2.68
103	MP2B	X	25.518	2.68
104	MP2B	Z	-14.733	2.68
105	MP2B	Mx	.013	2.68
106	MP2C	X	25.518	2.68
107	MP2C	Z	-14.733	2.68
108	MP2C	Mx	.013	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	20.981	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	-.01	1.75
4	MP3A	X	20.981	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	-.01	3.75
7	MP3B	X	40.636	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	.013	1.75
10	MP3B	X	40.636	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	.013	3.75
13	MP3C	X	46.102	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	.012	1.75
16	MP3C	X	46.102	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	.012	3.75
19	MP4A	X	27.678	3
20	MP4A	Z	0	3
21	MP4A	Mx	.014	3
22	MP4B	X	27.631	3
23	MP4B	Z	0	3
24	MP4B	Mx	-.002	3
25	MP4C	X	27.617	3
26	MP4C	Z	0	3
27	MP4C	Mx	-.015	3
28	MP4A	X	27.678	3
29	MP4A	Z	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP4A	Mx	.014	3
31	MP4B	X	27.631	3
32	MP4B	Z	0	3
33	MP4B	Mx	-.016	3
34	MP4C	X	27.617	3
35	MP4C	Z	0	3
36	MP4C	Mx	.001	3
37	MP5A	X	7.359	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.002	1.5
40	MP5B	X	9.282	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	-.001	1.5
43	MP5C	X	9.817	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	-.001	1.5
46	MP5A	X	86.001	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	-.065	.93
49	MP5A	X	86.001	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	-.065	4.43
52	MP5B	X	112.373	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	-.003	.93
55	MP5B	X	112.373	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	-.003	4.43
58	MP5C	X	119.707	.93
59	MP5C	Z	0	.93
60	MP5C	Mx	.114	.93
61	MP5C	X	119.707	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	.114	4.43
64	MP5A	X	86.001	.93
65	MP5A	Z	0	.93
66	MP5A	Mx	-.065	.93
67	MP5A	X	86.001	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	-.065	4.43
70	MP5B	X	112.373	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	.112	.93
73	MP5B	X	112.373	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	.112	4.43
76	MP5C	X	119.707	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	-.024	.93
79	MP5C	X	119.707	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	-.024	4.43
82	MP1A	X	5.017	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-.002	2.68
85	MP1B	X	17.087	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.004	2.68
88	MP1C	X	20.443	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP1C	Z	0	2.68
90	MP1C	Mx	.003	2.68
91	MP5A	X	29.897	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	.015	2.68
94	MP5B	X	38.5	2.68
95	MP5B	Z	0	2.68
96	MP5B	Mx	-.012	2.68
97	MP5C	X	40.892	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	-.01	2.68
100	MP2A	X	24.435	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	.012	2.68
103	MP2B	X	24.435	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.012	2.68
106	MP2C	X	24.435	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.012	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	25.422	1.75
2	MP3A	Z	14.677	1.75
3	MP3A	Mx	-.013	1.75
4	MP3A	X	25.422	3.75
5	MP3A	Z	14.677	3.75
6	MP3A	Mx	-.013	3.75
7	MP3B	X	46.302	1.75
8	MP3B	Z	26.733	1.75
9	MP3B	Mx	.005	1.75
10	MP3B	X	46.302	3.75
11	MP3B	Z	26.733	3.75
12	MP3B	Mx	.005	3.75
13	MP3C	X	25.422	1.75
14	MP3C	Z	14.677	1.75
15	MP3C	Mx	.013	1.75
16	MP3C	X	25.422	3.75
17	MP3C	Z	14.677	3.75
18	MP3C	Mx	.013	3.75
19	MP4A	X	23.953	3
20	MP4A	Z	13.829	3
21	MP4A	Mx	.007	3
22	MP4B	X	23.902	3
23	MP4B	Z	13.8	3
24	MP4B	Mx	.007	3
25	MP4C	X	23.953	3
26	MP4C	Z	13.829	3
27	MP4C	Mx	-.017	3
28	MP4A	X	23.953	3
29	MP4A	Z	13.829	3
30	MP4A	Mx	.017	3
31	MP4B	X	23.902	3
32	MP4B	Z	13.8	3
33	MP4B	Mx	-.011	3
34	MP4C	X	23.953	3
35	MP4C	Z	13.829	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP4C	Mx	-.007	3
37	MP5A	X	7.083	1.5
38	MP5A	Z	4.089	1.5
39	MP5A	Mx	.002	1.5
40	MP5B	X	9.126	1.5
41	MP5B	Z	5.269	1.5
42	MP5B	Mx	-.000457	1.5
43	MP5C	X	7.083	1.5
44	MP5C	Z	4.089	1.5
45	MP5C	Mx	-.002	1.5
46	MP5A	X	84.209	.93
47	MP5A	Z	48.618	.93
48	MP5A	Mx	-.031	.93
49	MP5A	X	84.209	4.43
50	MP5A	Z	48.618	4.43
51	MP5A	Mx	-.031	4.43
52	MP5B	X	112.225	.93
53	MP5B	Z	64.793	.93
54	MP5B	Mx	-.068	.93
55	MP5B	X	112.225	4.43
56	MP5B	Z	64.793	4.43
57	MP5B	Mx	-.068	4.43
58	MP5C	X	84.209	.93
59	MP5C	Z	48.618	.93
60	MP5C	Mx	.096	.93
61	MP5C	X	84.209	4.43
62	MP5C	Z	48.618	4.43
63	MP5C	Mx	.096	4.43
64	MP5A	X	84.209	.93
65	MP5A	Z	48.618	.93
66	MP5A	Mx	-.096	.93
67	MP5A	X	84.209	4.43
68	MP5A	Z	48.618	4.43
69	MP5A	Mx	-.096	4.43
70	MP5B	X	112.225	.93
71	MP5B	Z	64.793	.93
72	MP5B	Mx	.102	.93
73	MP5B	X	112.225	4.43
74	MP5B	Z	64.793	4.43
75	MP5B	Mx	.102	4.43
76	MP5C	X	84.209	.93
77	MP5C	Z	48.618	.93
78	MP5C	Mx	.031	.93
79	MP5C	X	84.209	4.43
80	MP5C	Z	48.618	4.43
81	MP5C	Mx	.031	4.43
82	MP1A	X	8.798	2.68
83	MP1A	Z	5.08	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	21.62	2.68
86	MP1B	Z	12.482	2.68
87	MP1B	Mx	.001	2.68
88	MP1C	X	8.798	2.68
89	MP1C	Z	5.08	2.68
90	MP1C	Mx	.003	2.68
91	MP5A	X	29.065	2.68
92	MP5A	Z	16.781	2.68
93	MP5A	Mx	.015	2.68
94	MP5B	X	38.205	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
95	MP5B	Z	22.058	2.68
96	MP5B	Mx	-.004	2.68
97	MP5C	X	29.065	2.68
98	MP5C	Z	16.781	2.68
99	MP5C	Mx	-.015	2.68
100	MP2A	X	25.518	2.68
101	MP2A	Z	14.733	2.68
102	MP2A	Mx	.013	2.68
103	MP2B	X	25.518	2.68
104	MP2B	Z	14.733	2.68
105	MP2B	Mx	.013	2.68
106	MP2C	X	25.518	2.68
107	MP2C	Z	14.733	2.68
108	MP2C	Mx	.013	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
1	MP3A	X	23.051	1.75
2	MP3A	Z	39.925	1.75
3	MP3A	Mx	-.012	1.75
4	MP3A	X	23.051	3.75
5	MP3A	Z	39.925	3.75
6	MP3A	Mx	-.012	3.75
7	MP3B	X	25.279	1.75
8	MP3B	Z	43.784	1.75
9	MP3B	Mx	-.009	1.75
10	MP3B	X	25.279	3.75
11	MP3B	Z	43.784	3.75
12	MP3B	Mx	-.009	3.75
13	MP3C	X	10.491	1.75
14	MP3C	Z	18.17	1.75
15	MP3C	Mx	.01	1.75
16	MP3C	X	10.491	3.75
17	MP3C	Z	18.17	3.75
18	MP3C	Mx	.01	3.75
19	MP4A	X	13.809	3
20	MP4A	Z	23.917	3
21	MP4A	Mx	-.001	3
22	MP4B	X	13.803	3
23	MP4B	Z	23.908	3
24	MP4B	Mx	.013	3
25	MP4C	X	13.839	3
26	MP4C	Z	23.97	3
27	MP4C	Mx	-.014	3
28	MP4A	X	13.809	3
29	MP4A	Z	23.917	3
30	MP4A	Mx	.015	3
31	MP4B	X	13.803	3
32	MP4B	Z	23.908	3
33	MP4B	Mx	-.004	3
34	MP4C	X	13.839	3
35	MP4C	Z	23.97	3
36	MP4C	Mx	-.014	3
37	MP5A	X	4.909	1.5
38	MP5A	Z	8.502	1.5
39	MP5A	Mx	.001	1.5
40	MP5B	X	5.126	1.5
41	MP5B	Z	8.879	1.5

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
42	MP5B	Mx	.000877	1.5
43	MP5C	X	3.68	1.5
44	MP5C	Z	6.373	1.5
45	MP5C	Mx	-.002	1.5
46	MP5A	X	59.853	.93
47	MP5A	Z	103.669	.93
48	MP5A	Mx	.024	.93
49	MP5A	X	59.853	4.43
50	MP5A	Z	103.669	4.43
51	MP5A	Mx	.024	4.43
52	MP5B	X	62.842	.93
53	MP5B	Z	108.846	.93
54	MP5B	Mx	-.111	.93
55	MP5B	X	62.842	4.43
56	MP5B	Z	108.846	4.43
57	MP5B	Mx	-.111	4.43
58	MP5C	X	43	.93
59	MP5C	Z	74.479	.93
60	MP5C	Mx	.065	.93
61	MP5C	X	43	4.43
62	MP5C	Z	74.479	4.43
63	MP5C	Mx	.065	4.43
64	MP5A	X	59.853	.93
65	MP5A	Z	103.669	.93
66	MP5A	Mx	-.114	.93
67	MP5A	X	59.853	4.43
68	MP5A	Z	103.669	4.43
69	MP5A	Mx	-.114	4.43
70	MP5B	X	62.842	.93
71	MP5B	Z	108.846	.93
72	MP5B	Mx	.046	.93
73	MP5B	X	62.842	4.43
74	MP5B	Z	108.846	4.43
75	MP5B	Mx	.046	4.43
76	MP5C	X	43	.93
77	MP5C	Z	74.479	.93
78	MP5C	Mx	.065	.93
79	MP5C	X	43	4.43
80	MP5C	Z	74.479	4.43
81	MP5C	Mx	.065	4.43
82	MP1A	X	10.221	2.68
83	MP1A	Z	17.704	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	11.589	2.68
86	MP1B	Z	20.073	2.68
87	MP1B	Mx	-.003	2.68
88	MP1C	X	2.509	2.68
89	MP1C	Z	4.345	2.68
90	MP1C	Mx	.002	2.68
91	MP5A	X	20.446	2.68
92	MP5A	Z	35.414	2.68
93	MP5A	Mx	.01	2.68
94	MP5B	X	21.421	2.68
95	MP5B	Z	37.103	2.68
96	MP5B	Mx	.007	2.68
97	MP5C	X	14.948	2.68
98	MP5C	Z	25.891	2.68
99	MP5C	Mx	-.015	2.68
100	MP2A	X	19.763	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
101	MP2A	Z	34.231	2.68
102	MP2A	Mx	.01	2.68
103	MP2B	X	19.763	2.68
104	MP2B	Z	34.231	2.68
105	MP2B	Mx	.01	2.68
106	MP2C	X	19.763	2.68
107	MP2C	Z	34.231	2.68
108	MP2C	Mx	.01	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.75
2	MP3A	Z	54.475	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	54.475	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	34.82	1.75
9	MP3B	Mx	-.013	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	34.82	3.75
12	MP3B	Mx	-.013	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	29.355	1.75
15	MP3C	Mx	.013	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	29.355	3.75
18	MP3C	Mx	.013	3.75
19	MP4A	X	0	3
20	MP4A	Z	27.597	3
21	MP4A	Mx	-.009	3
22	MP4B	X	0	3
23	MP4B	Z	27.645	3
24	MP4B	Mx	.017	3
25	MP4C	X	0	3
26	MP4C	Z	27.658	3
27	MP4C	Mx	-.007	3
28	MP4A	X	0	3
29	MP4A	Z	27.597	3
30	MP4A	Mx	.009	3
31	MP4B	X	0	3
32	MP4B	Z	27.645	3
33	MP4B	Mx	.005	3
34	MP4C	X	0	3
35	MP4C	Z	27.658	3
36	MP4C	Mx	-.017	3
37	MP5A	X	0	1.5
38	MP5A	Z	10.636	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	8.713	1.5
42	MP5B	Mx	.002	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	8.178	1.5
45	MP5C	Mx	-.002	1.5
46	MP5A	X	0	.93
47	MP5A	Z	130.942	.93



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
48	MP5A	Mx	.087	.93
49	MP5A	X	0	4.43
50	MP5A	Z	130.942	4.43
51	MP5A	Mx	.087	4.43
52	MP5B	X	0	.93
53	MP5B	Z	104.569	.93
54	MP5B	Mx	-.105	.93
55	MP5B	X	0	4.43
56	MP5B	Z	104.569	4.43
57	MP5B	Mx	-.105	4.43
58	MP5C	X	0	.93
59	MP5C	Z	97.236	.93
60	MP5C	Mx	.031	.93
61	MP5C	X	0	4.43
62	MP5C	Z	97.236	4.43
63	MP5C	Mx	.031	4.43
64	MP5A	X	0	.93
65	MP5A	Z	130.942	.93
66	MP5A	Mx	-.087	.93
67	MP5A	X	0	4.43
68	MP5A	Z	130.942	4.43
69	MP5A	Mx	-.087	4.43
70	MP5B	X	0	.93
71	MP5B	Z	104.569	.93
72	MP5B	Mx	-.015	.93
73	MP5B	X	0	4.43
74	MP5B	Z	104.569	4.43
75	MP5B	Mx	-.015	4.43
76	MP5C	X	0	.93
77	MP5C	Z	97.236	.93
78	MP5C	Mx	.096	.93
79	MP5C	X	0	4.43
80	MP5C	Z	97.236	4.43
81	MP5C	Mx	.096	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	25.585	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	13.515	2.68
87	MP1B	Mx	-.003	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	10.159	2.68
90	MP1C	Mx	.003	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	44.558	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	35.954	2.68
96	MP5B	Mx	.014	2.68
97	MP5C	X	0	2.68
98	MP5C	Z	33.562	2.68
99	MP5C	Mx	-.015	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	44.558	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	44.558	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
107	MP2C	Z	44.558	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-23.051	1.75
2	MP3A	Z	39.925	1.75
3	MP3A	Mx	.012	1.75
4	MP3A	X	-23.051	3.75
5	MP3A	Z	39.925	3.75
6	MP3A	Mx	.012	3.75
7	MP3B	X	-10.996	1.75
8	MP3B	Z	19.045	1.75
9	MP3B	Mx	-.011	1.75
10	MP3B	X	-10.996	3.75
11	MP3B	Z	19.045	3.75
12	MP3B	Mx	-.011	3.75
13	MP3C	X	-23.051	1.75
14	MP3C	Z	39.925	1.75
15	MP3C	Mx	.012	1.75
16	MP3C	X	-23.051	3.75
17	MP3C	Z	39.925	3.75
18	MP3C	Mx	.012	3.75
19	MP4A	X	-13.809	3
20	MP4A	Z	23.917	3
21	MP4A	Mx	-.015	3
22	MP4B	X	-13.838	3
23	MP4B	Z	23.968	3
24	MP4B	Mx	.015	3
25	MP4C	X	-13.809	3
26	MP4C	Z	23.917	3
27	MP4C	Mx	.001	3
28	MP4A	X	-13.809	3
29	MP4A	Z	23.917	3
30	MP4A	Mx	.001	3
31	MP4B	X	-13.838	3
32	MP4B	Z	23.968	3
33	MP4B	Mx	.012	3
34	MP4C	X	-13.809	3
35	MP4C	Z	23.917	3
36	MP4C	Mx	-.015	3
37	MP5A	X	-4.909	1.5
38	MP5A	Z	8.502	1.5
39	MP5A	Mx	-.001	1.5
40	MP5B	X	-3.729	1.5
41	MP5B	Z	6.459	1.5
42	MP5B	Mx	.002	1.5
43	MP5C	X	-4.909	1.5
44	MP5C	Z	8.502	1.5
45	MP5C	Mx	-.001	1.5
46	MP5A	X	-59.853	.93
47	MP5A	Z	103.669	.93
48	MP5A	Mx	.114	.93
49	MP5A	X	-59.853	4.43
50	MP5A	Z	103.669	4.43
51	MP5A	Mx	.114	4.43
52	MP5B	X	-43.678	.93
53	MP5B	Z	75.653	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP5B	Mx	-.075	.93
55	MP5B	X	-43.678	4.43
56	MP5B	Z	75.653	4.43
57	MP5B	Mx	-.075	4.43
58	MP5C	X	-59.853	.93
59	MP5C	Z	103.669	.93
60	MP5C	Mx	-.024	.93
61	MP5C	X	-59.853	4.43
62	MP5C	Z	103.669	4.43
63	MP5C	Mx	-.024	4.43
64	MP5A	X	-59.853	.93
65	MP5A	Z	103.669	.93
66	MP5A	Mx	-.024	.93
67	MP5A	X	-59.853	4.43
68	MP5A	Z	103.669	4.43
69	MP5A	Mx	-.024	4.43
70	MP5B	X	-43.678	.93
71	MP5B	Z	75.653	.93
72	MP5B	Mx	-.054	.93
73	MP5B	X	-43.678	4.43
74	MP5B	Z	75.653	4.43
75	MP5B	Mx	-.054	4.43
76	MP5C	X	-59.853	.93
77	MP5C	Z	103.669	.93
78	MP5C	Mx	.114	.93
79	MP5C	X	-59.853	4.43
80	MP5C	Z	103.669	4.43
81	MP5C	Mx	.114	4.43
82	MP1A	X	-10.221	2.68
83	MP1A	Z	17.704	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-2.819	2.68
86	MP1B	Z	4.882	2.68
87	MP1B	Mx	-.002	2.68
88	MP1C	X	-10.221	2.68
89	MP1C	Z	17.704	2.68
90	MP1C	Mx	.003	2.68
91	MP5A	X	-20.446	2.68
92	MP5A	Z	35.414	2.68
93	MP5A	Mx	-.01	2.68
94	MP5B	X	-15.169	2.68
95	MP5B	Z	26.274	2.68
96	MP5B	Mx	.015	2.68
97	MP5C	X	-20.446	2.68
98	MP5C	Z	35.414	2.68
99	MP5C	Mx	-.01	2.68
100	MP2A	X	-19.763	2.68
101	MP2A	Z	34.231	2.68
102	MP2A	Mx	-.01	2.68
103	MP2B	X	-19.763	2.68
104	MP2B	Z	34.231	2.68
105	MP2B	Mx	-.01	2.68
106	MP2C	X	-19.763	2.68
107	MP2C	Z	34.231	2.68
108	MP2C	Mx	-.01	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	-25.422	1.75
2	MP3A	Z	14.677	1.75
3	MP3A	Mx	.013	1.75
4	MP3A	X	-25.422	3.75
5	MP3A	Z	14.677	3.75
6	MP3A	Mx	.013	3.75
7	MP3B	X	-21.563	1.75
8	MP3B	Z	12.45	1.75
9	MP3B	Mx	-.012	1.75
10	MP3B	X	-21.563	3.75
11	MP3B	Z	12.45	3.75
12	MP3B	Mx	-.012	3.75
13	MP3C	X	-47.177	1.75
14	MP3C	Z	27.238	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	-47.177	3.75
17	MP3C	Z	27.238	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	-23.953	3
20	MP4A	Z	13.829	3
21	MP4A	Mx	-.017	3
22	MP4B	X	-23.962	3
23	MP4B	Z	13.834	3
24	MP4B	Mx	.01	3
25	MP4C	X	-23.9	3
26	MP4C	Z	13.798	3
27	MP4C	Mx	.009	3
28	MP4A	X	-23.953	3
29	MP4A	Z	13.829	3
30	MP4A	Mx	-.007	3
31	MP4B	X	-23.962	3
32	MP4B	Z	13.834	3
33	MP4B	Mx	.016	3
34	MP4C	X	-23.9	3
35	MP4C	Z	13.798	3
36	MP4C	Mx	-.009	3
37	MP5A	X	-7.083	1.5
38	MP5A	Z	4.089	1.5
39	MP5A	Mx	-.002	1.5
40	MP5B	X	-6.705	1.5
41	MP5B	Z	3.871	1.5
42	MP5B	Mx	.002	1.5
43	MP5C	X	-9.211	1.5
44	MP5C	Z	5.318	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	-84.209	.93
47	MP5A	Z	48.618	.93
48	MP5A	Mx	.096	.93
49	MP5A	X	-84.209	4.43
50	MP5A	Z	48.618	4.43
51	MP5A	Mx	.096	4.43
52	MP5B	X	-79.032	.93
53	MP5B	Z	45.629	.93
54	MP5B	Mx	-.044	.93
55	MP5B	X	-79.032	4.43
56	MP5B	Z	45.629	4.43
57	MP5B	Mx	-.044	4.43
58	MP5C	X	-113.399	.93
59	MP5C	Z	65.471	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP5C	Mx	-.087	.93
61	MP5C	X	-113.399	4.43
62	MP5C	Z	65.471	4.43
63	MP5C	Mx	-.087	4.43
64	MP5A	X	-84.209	.93
65	MP5A	Z	48.618	.93
66	MP5A	Mx	.031	.93
67	MP5A	X	-84.209	4.43
68	MP5A	Z	48.618	4.43
69	MP5A	Mx	.031	4.43
70	MP5B	X	-79.032	.93
71	MP5B	Z	45.629	.93
72	MP5B	Mx	-.085	.93
73	MP5B	X	-79.032	4.43
74	MP5B	Z	45.629	4.43
75	MP5B	Mx	-.085	4.43
76	MP5C	X	-113.399	.93
77	MP5C	Z	65.471	.93
78	MP5C	Mx	.087	.93
79	MP5C	X	-113.399	4.43
80	MP5C	Z	65.471	4.43
81	MP5C	Mx	.087	4.43
82	MP1A	X	-8.798	2.68
83	MP1A	Z	5.08	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-6.429	2.68
86	MP1B	Z	3.712	2.68
87	MP1B	Mx	-.002	2.68
88	MP1C	X	-22.157	2.68
89	MP1C	Z	12.792	2.68
90	MP1C	Mx	0	2.68
91	MP5A	X	-29.065	2.68
92	MP5A	Z	16.781	2.68
93	MP5A	Mx	-.015	2.68
94	MP5B	X	-27.377	2.68
95	MP5B	Z	15.806	2.68
96	MP5B	Mx	.015	2.68
97	MP5C	X	-38.588	2.68
98	MP5C	Z	22.279	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	-25.518	2.68
101	MP2A	Z	14.733	2.68
102	MP2A	Mx	-.013	2.68
103	MP2B	X	-25.518	2.68
104	MP2B	Z	14.733	2.68
105	MP2B	Mx	-.013	2.68
106	MP2C	X	-25.518	2.68
107	MP2C	Z	14.733	2.68
108	MP2C	Mx	-.013	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-20.981	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	.01	1.75
4	MP3A	X	-20.981	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	.01	3.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3B	X	-40.636	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	-.013	1.75
10	MP3B	X	-40.636	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	-.013	3.75
13	MP3C	X	-46.102	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	-.012	1.75
16	MP3C	X	-46.102	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	-.012	3.75
19	MP4A	X	-27.678	3
20	MP4A	Z	0	3
21	MP4A	Mx	-.014	3
22	MP4B	X	-27.631	3
23	MP4B	Z	0	3
24	MP4B	Mx	.002	3
25	MP4C	X	-27.617	3
26	MP4C	Z	0	3
27	MP4C	Mx	.015	3
28	MP4A	X	-27.678	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.014	3
31	MP4B	X	-27.631	3
32	MP4B	Z	0	3
33	MP4B	Mx	.016	3
34	MP4C	X	-27.617	3
35	MP4C	Z	0	3
36	MP4C	Mx	-.001	3
37	MP5A	X	-7.359	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.002	1.5
40	MP5B	X	-9.282	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	.001	1.5
43	MP5C	X	-9.817	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	.001	1.5
46	MP5A	X	-86.001	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	.065	.93
49	MP5A	X	-86.001	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	.065	4.43
52	MP5B	X	-112.373	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	.003	.93
55	MP5B	X	-112.373	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	.003	4.43
58	MP5C	X	-119.707	.93
59	MP5C	Z	0	.93
60	MP5C	Mx	-.114	.93
61	MP5C	X	-119.707	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	-.114	4.43
64	MP5A	X	-86.001	.93
65	MP5A	Z	0	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP5A	Mx	.065	.93
67	MP5A	X	-86.001	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	.065	4.43
70	MP5B	X	-112.373	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	-.112	.93
73	MP5B	X	-112.373	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	-.112	4.43
76	MP5C	X	-119.707	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	.024	.93
79	MP5C	X	-119.707	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	.024	4.43
82	MP1A	X	-5.017	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	.002	2.68
85	MP1B	X	-17.087	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.004	2.68
88	MP1C	X	-20.443	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.003	2.68
91	MP5A	X	-29.897	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	-.015	2.68
94	MP5B	X	-38.5	2.68
95	MP5B	Z	0	2.68
96	MP5B	Mx	.012	2.68
97	MP5C	X	-40.892	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	.01	2.68
100	MP2A	X	-24.435	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.012	2.68
103	MP2B	X	-24.435	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.012	2.68
106	MP2C	X	-24.435	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.012	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-25.422	1.75
2	MP3A	Z	-14.677	1.75
3	MP3A	Mx	.013	1.75
4	MP3A	X	-25.422	3.75
5	MP3A	Z	-14.677	3.75
6	MP3A	Mx	.013	3.75
7	MP3B	X	-46.302	1.75
8	MP3B	Z	-26.733	1.75
9	MP3B	Mx	-.005	1.75
10	MP3B	X	-46.302	3.75
11	MP3B	Z	-26.733	3.75
12	MP3B	Mx	-.005	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP3C	X	-25.422	1.75
14	MP3C	Z	-14.677	1.75
15	MP3C	Mx	-.013	1.75
16	MP3C	X	-25.422	3.75
17	MP3C	Z	-14.677	3.75
18	MP3C	Mx	-.013	3.75
19	MP4A	X	-23.953	3
20	MP4A	Z	-13.829	3
21	MP4A	Mx	-.007	3
22	MP4B	X	-23.902	3
23	MP4B	Z	-13.8	3
24	MP4B	Mx	-.007	3
25	MP4C	X	-23.953	3
26	MP4C	Z	-13.829	3
27	MP4C	Mx	.017	3
28	MP4A	X	-23.953	3
29	MP4A	Z	-13.829	3
30	MP4A	Mx	-.017	3
31	MP4B	X	-23.902	3
32	MP4B	Z	-13.8	3
33	MP4B	Mx	.011	3
34	MP4C	X	-23.953	3
35	MP4C	Z	-13.829	3
36	MP4C	Mx	.007	3
37	MP5A	X	-7.083	1.5
38	MP5A	Z	-4.089	1.5
39	MP5A	Mx	-.002	1.5
40	MP5B	X	-9.126	1.5
41	MP5B	Z	-5.269	1.5
42	MP5B	Mx	.000457	1.5
43	MP5C	X	-7.083	1.5
44	MP5C	Z	-4.089	1.5
45	MP5C	Mx	.002	1.5
46	MP5A	X	-84.209	.93
47	MP5A	Z	-48.618	.93
48	MP5A	Mx	.031	.93
49	MP5A	X	-84.209	4.43
50	MP5A	Z	-48.618	4.43
51	MP5A	Mx	.031	4.43
52	MP5B	X	-112.225	.93
53	MP5B	Z	-64.793	.93
54	MP5B	Mx	.068	.93
55	MP5B	X	-112.225	4.43
56	MP5B	Z	-64.793	4.43
57	MP5B	Mx	.068	4.43
58	MP5C	X	-84.209	.93
59	MP5C	Z	-48.618	.93
60	MP5C	Mx	-.096	.93
61	MP5C	X	-84.209	4.43
62	MP5C	Z	-48.618	4.43
63	MP5C	Mx	-.096	4.43
64	MP5A	X	-84.209	.93
65	MP5A	Z	-48.618	.93
66	MP5A	Mx	.096	.93
67	MP5A	X	-84.209	4.43
68	MP5A	Z	-48.618	4.43
69	MP5A	Mx	.096	4.43
70	MP5B	X	-112.225	.93
71	MP5B	Z	-64.793	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP5B	Mx	-.102	.93
73	MP5B	X	-112.225	4.43
74	MP5B	Z	-64.793	4.43
75	MP5B	Mx	-.102	4.43
76	MP5C	X	-84.209	.93
77	MP5C	Z	-48.618	.93
78	MP5C	Mx	-.031	.93
79	MP5C	X	-84.209	4.43
80	MP5C	Z	-48.618	4.43
81	MP5C	Mx	-.031	4.43
82	MP1A	X	-8.798	2.68
83	MP1A	Z	-5.08	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-21.62	2.68
86	MP1B	Z	-12.482	2.68
87	MP1B	Mx	-.001	2.68
88	MP1C	X	-8.798	2.68
89	MP1C	Z	-5.08	2.68
90	MP1C	Mx	-.003	2.68
91	MP5A	X	-29.065	2.68
92	MP5A	Z	-16.781	2.68
93	MP5A	Mx	-.015	2.68
94	MP5B	X	-38.205	2.68
95	MP5B	Z	-22.058	2.68
96	MP5B	Mx	.004	2.68
97	MP5C	X	-29.065	2.68
98	MP5C	Z	-16.781	2.68
99	MP5C	Mx	.015	2.68
100	MP2A	X	-25.518	2.68
101	MP2A	Z	-14.733	2.68
102	MP2A	Mx	-.013	2.68
103	MP2B	X	-25.518	2.68
104	MP2B	Z	-14.733	2.68
105	MP2B	Mx	-.013	2.68
106	MP2C	X	-25.518	2.68
107	MP2C	Z	-14.733	2.68
108	MP2C	Mx	-.013	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-23.051	1.75
2	MP3A	Z	-39.925	1.75
3	MP3A	Mx	.012	1.75
4	MP3A	X	-23.051	3.75
5	MP3A	Z	-39.925	3.75
6	MP3A	Mx	.012	3.75
7	MP3B	X	-25.279	1.75
8	MP3B	Z	-43.784	1.75
9	MP3B	Mx	.009	1.75
10	MP3B	X	-25.279	3.75
11	MP3B	Z	-43.784	3.75
12	MP3B	Mx	.009	3.75
13	MP3C	X	-10.491	1.75
14	MP3C	Z	-18.17	1.75
15	MP3C	Mx	-.01	1.75
16	MP3C	X	-10.491	3.75
17	MP3C	Z	-18.17	3.75
18	MP3C	Mx	-.01	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
19	MP4A	X	-13.809	3
20	MP4A	Z	-23.917	3
21	MP4A	Mx	.001	3
22	MP4B	X	-13.803	3
23	MP4B	Z	-23.908	3
24	MP4B	Mx	-.013	3
25	MP4C	X	-13.839	3
26	MP4C	Z	-23.97	3
27	MP4C	Mx	.014	3
28	MP4A	X	-13.809	3
29	MP4A	Z	-23.917	3
30	MP4A	Mx	-.015	3
31	MP4B	X	-13.803	3
32	MP4B	Z	-23.908	3
33	MP4B	Mx	.004	3
34	MP4C	X	-13.839	3
35	MP4C	Z	-23.97	3
36	MP4C	Mx	.014	3
37	MP5A	X	-4.909	1.5
38	MP5A	Z	-8.502	1.5
39	MP5A	Mx	-.001	1.5
40	MP5B	X	-5.126	1.5
41	MP5B	Z	-8.879	1.5
42	MP5B	Mx	-.000877	1.5
43	MP5C	X	-3.68	1.5
44	MP5C	Z	-6.373	1.5
45	MP5C	Mx	.002	1.5
46	MP5A	X	-59.853	.93
47	MP5A	Z	-103.669	.93
48	MP5A	Mx	-.024	.93
49	MP5A	X	-59.853	4.43
50	MP5A	Z	-103.669	4.43
51	MP5A	Mx	-.024	4.43
52	MP5B	X	-62.842	.93
53	MP5B	Z	-108.846	.93
54	MP5B	Mx	.111	.93
55	MP5B	X	-62.842	4.43
56	MP5B	Z	-108.846	4.43
57	MP5B	Mx	.111	4.43
58	MP5C	X	-43	.93
59	MP5C	Z	-74.479	.93
60	MP5C	Mx	-.065	.93
61	MP5C	X	-43	4.43
62	MP5C	Z	-74.479	4.43
63	MP5C	Mx	-.065	4.43
64	MP5A	X	-59.853	.93
65	MP5A	Z	-103.669	.93
66	MP5A	Mx	.114	.93
67	MP5A	X	-59.853	4.43
68	MP5A	Z	-103.669	4.43
69	MP5A	Mx	.114	4.43
70	MP5B	X	-62.842	.93
71	MP5B	Z	-108.846	.93
72	MP5B	Mx	-.046	.93
73	MP5B	X	-62.842	4.43
74	MP5B	Z	-108.846	4.43
75	MP5B	Mx	-.046	4.43
76	MP5C	X	-43	.93
77	MP5C	Z	-74.479	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
78	MP5C	Mx	-0.065	.93
79	MP5C	X	-43	4.43
80	MP5C	Z	-74.479	4.43
81	MP5C	Mx	-0.065	4.43
82	MP1A	X	-10.221	2.68
83	MP1A	Z	-17.704	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-11.589	2.68
86	MP1B	Z	-20.073	2.68
87	MP1B	Mx	.003	2.68
88	MP1C	X	-2.509	2.68
89	MP1C	Z	-4.345	2.68
90	MP1C	Mx	-.002	2.68
91	MP5A	X	-20.446	2.68
92	MP5A	Z	-35.414	2.68
93	MP5A	Mx	-.01	2.68
94	MP5B	X	-21.421	2.68
95	MP5B	Z	-37.103	2.68
96	MP5B	Mx	-.007	2.68
97	MP5C	X	-14.948	2.68
98	MP5C	Z	-25.891	2.68
99	MP5C	Mx	.015	2.68
100	MP2A	X	-19.763	2.68
101	MP2A	Z	-34.231	2.68
102	MP2A	Mx	-.01	2.68
103	MP2B	X	-19.763	2.68
104	MP2B	Z	-34.231	2.68
105	MP2B	Mx	-.01	2.68
106	MP2C	X	-19.763	2.68
107	MP2C	Z	-34.231	2.68
108	MP2C	Mx	-.01	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1.75
2	MP3A	Z	-10.735	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	-10.735	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	-7.082	1.75
9	MP3B	Mx	.003	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	-7.082	3.75
12	MP3B	Mx	.003	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	-6.066	1.75
15	MP3C	Mx	-.003	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	-6.066	3.75
18	MP3C	Mx	-.003	3.75
19	MP4A	X	0	3
20	MP4A	Z	-2.256	3
21	MP4A	Mx	.000752	3
22	MP4B	X	0	3
23	MP4B	Z	-4.487	3
24	MP4B	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft,%)
25	MP4C	X	0	3
26	MP4C	Z	-5.107	3
27	MP4C	Mx	.001	3
28	MP4A	X	0	3
29	MP4A	Z	-2.256	3
30	MP4A	Mx	-.000752	3
31	MP4B	X	0	3
32	MP4B	Z	-4.487	3
33	MP4B	Mx	-.000757	3
34	MP4C	X	0	3
35	MP4C	Z	-5.107	3
36	MP4C	Mx	.003	3
37	MP5A	X	0	1.5
38	MP5A	Z	-2.655	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	-2.262	1.5
42	MP5B	Mx	-.000433	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	-2.153	1.5
45	MP5C	Mx	.000466	1.5
46	MP5A	X	0	.93
47	MP5A	Z	-24.786	.93
48	MP5A	Mx	-.017	.93
49	MP5A	X	0	4.43
50	MP5A	Z	-24.786	4.43
51	MP5A	Mx	-.017	4.43
52	MP5B	X	0	.93
53	MP5B	Z	-20.143	.93
54	MP5B	Mx	.02	.93
55	MP5B	X	0	4.43
56	MP5B	Z	-20.143	4.43
57	MP5B	Mx	.02	4.43
58	MP5C	X	0	.93
59	MP5C	Z	-18.852	.93
60	MP5C	Mx	-.006	.93
61	MP5C	X	0	4.43
62	MP5C	Z	-18.852	4.43
63	MP5C	Mx	-.006	4.43
64	MP5A	X	0	.93
65	MP5A	Z	-24.786	.93
66	MP5A	Mx	.017	.93
67	MP5A	X	0	4.43
68	MP5A	Z	-24.786	4.43
69	MP5A	Mx	.017	4.43
70	MP5B	X	0	.93
71	MP5B	Z	-20.143	.93
72	MP5B	Mx	.003	.93
73	MP5B	X	0	4.43
74	MP5B	Z	-20.143	4.43
75	MP5B	Mx	.003	4.43
76	MP5C	X	0	.93
77	MP5C	Z	-18.852	.93
78	MP5C	Mx	-.019	.93
79	MP5C	X	0	4.43
80	MP5C	Z	-18.852	4.43
81	MP5C	Mx	-.019	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	-5.677	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-3.307	2.68
87	MP1B	Mx	.000844	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	-2.648	2.68
90	MP1C	Mx	-.000764	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	-11.06	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	-9.074	2.68
96	MP5B	Mx	-.003	2.68
97	MP5C	X	0	2.68
98	MP5C	Z	-8.522	2.68
99	MP5C	Mx	.004	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-11.06	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-11.06	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-11.06	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.589	1.75
2	MP3A	Z	-7.949	1.75
3	MP3A	Mx	-.002	1.75
4	MP3A	X	4.589	3.75
5	MP3A	Z	-7.949	3.75
6	MP3A	Mx	-.002	3.75
7	MP3B	X	2.349	1.75
8	MP3B	Z	-4.068	1.75
9	MP3B	Mx	.002	1.75
10	MP3B	X	2.349	3.75
11	MP3B	Z	-4.068	3.75
12	MP3B	Mx	.002	3.75
13	MP3C	X	4.589	1.75
14	MP3C	Z	-7.949	1.75
15	MP3C	Mx	-.002	1.75
16	MP3C	X	4.589	3.75
17	MP3C	Z	-7.949	3.75
18	MP3C	Mx	-.002	3.75
19	MP4A	X	1.603	3
20	MP4A	Z	-2.777	3
21	MP4A	Mx	.002	3
22	MP4B	X	2.972	3
23	MP4B	Z	-5.147	3
24	MP4B	Mx	-.003	3
25	MP4C	X	1.603	3
26	MP4C	Z	-2.777	3
27	MP4C	Mx	-.000124	3
28	MP4A	X	1.603	3
29	MP4A	Z	-2.777	3
30	MP4A	Mx	-.000124	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP4B	X	2.972	3
32	MP4B	Z	-5.147	3
33	MP4B	Mx	-.003	3
34	MP4C	X	1.603	3
35	MP4C	Z	-2.777	3
36	MP4C	Mx	.002	3
37	MP5A	X	1.244	1.5
38	MP5A	Z	-2.155	1.5
39	MP5A	Mx	.000311	1.5
40	MP5B	X	1.003	1.5
41	MP5B	Z	-1.737	1.5
42	MP5B	Mx	-.000494	1.5
43	MP5C	X	1.244	1.5
44	MP5C	Z	-2.155	1.5
45	MP5C	Mx	.000311	1.5
46	MP5A	X	11.404	.93
47	MP5A	Z	-19.752	.93
48	MP5A	Mx	-.022	.93
49	MP5A	X	11.404	4.43
50	MP5A	Z	-19.752	4.43
51	MP5A	Mx	-.022	4.43
52	MP5B	X	8.556	.93
53	MP5B	Z	-14.82	.93
54	MP5B	Mx	.015	.93
55	MP5B	X	8.556	4.43
56	MP5B	Z	-14.82	4.43
57	MP5B	Mx	.015	4.43
58	MP5C	X	11.404	.93
59	MP5C	Z	-19.752	.93
60	MP5C	Mx	.005	.93
61	MP5C	X	11.404	4.43
62	MP5C	Z	-19.752	4.43
63	MP5C	Mx	.005	4.43
64	MP5A	X	11.404	.93
65	MP5A	Z	-19.752	.93
66	MP5A	Mx	.005	.93
67	MP5A	X	11.404	4.43
68	MP5A	Z	-19.752	4.43
69	MP5A	Mx	.005	4.43
70	MP5B	X	8.556	.93
71	MP5B	Z	-14.82	.93
72	MP5B	Mx	.011	.93
73	MP5B	X	8.556	4.43
74	MP5B	Z	-14.82	4.43
75	MP5B	Mx	.011	4.43
76	MP5C	X	11.404	.93
77	MP5C	Z	-19.752	.93
78	MP5C	Mx	-.022	.93
79	MP5C	X	11.404	4.43
80	MP5C	Z	-19.752	4.43
81	MP5C	Mx	-.022	4.43
82	MP1A	X	2.334	2.68
83	MP1A	Z	-4.042	2.68
84	MP1A	Mx	-.000778	2.68
85	MP1B	X	.88	2.68
86	MP1B	Z	-1.524	2.68
87	MP1B	Mx	.000578	2.68
88	MP1C	X	2.334	2.68
89	MP1C	Z	-4.042	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1C	Mx	-.000778	2.68
91	MP5A	X	5.107	2.68
92	MP5A	Z	-8.846	2.68
93	MP5A	Mx	.003	2.68
94	MP5B	X	3.889	2.68
95	MP5B	Z	-6.736	2.68
96	MP5B	Mx	-.004	2.68
97	MP5C	X	5.107	2.68
98	MP5C	Z	-8.846	2.68
99	MP5C	Mx	.003	2.68
100	MP2A	X	4.946	2.68
101	MP2A	Z	-8.567	2.68
102	MP2A	Mx	.002	2.68
103	MP2B	X	4.946	2.68
104	MP2B	Z	-8.567	2.68
105	MP2B	Mx	.002	2.68
106	MP2C	X	4.946	2.68
107	MP2C	Z	-8.567	2.68
108	MP2C	Mx	.002	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.253	1.75
2	MP3A	Z	-3.033	1.75
3	MP3A	Mx	-.003	1.75
4	MP3A	X	5.253	3.75
5	MP3A	Z	-3.033	3.75
6	MP3A	Mx	-.003	3.75
7	MP3B	X	4.536	1.75
8	MP3B	Z	-2.619	1.75
9	MP3B	Mx	.002	1.75
10	MP3B	X	4.536	3.75
11	MP3B	Z	-2.619	3.75
12	MP3B	Mx	.002	3.75
13	MP3C	X	9.297	1.75
14	MP3C	Z	-5.368	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	9.297	3.75
17	MP3C	Z	-5.368	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	4.423	3
20	MP4A	Z	-2.554	3
21	MP4A	Mx	.003	3
22	MP4B	X	4.861	3
23	MP4B	Z	-2.807	3
24	MP4B	Mx	-.002	3
25	MP4C	X	1.954	3
26	MP4C	Z	-1.128	3
27	MP4C	Mx	-.000752	3
28	MP4A	X	4.423	3
29	MP4A	Z	-2.554	3
30	MP4A	Mx	.001	3
31	MP4B	X	4.861	3
32	MP4B	Z	-2.807	3
33	MP4B	Mx	-.003	3
34	MP4C	X	1.954	3
35	MP4C	Z	-1.128	3
36	MP4C	Mx	.000752	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP5A	X	1.865	1.5
38	MP5A	Z	-1.076	1.5
39	MP5A	Mx	.000466	1.5
40	MP5B	X	1.787	1.5
41	MP5B	Z	-1.032	1.5
42	MP5B	Mx	-.000485	1.5
43	MP5C	X	2.3	1.5
44	MP5C	Z	-1.328	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	16.326	.93
47	MP5A	Z	-9.426	.93
48	MP5A	Mx	-.019	.93
49	MP5A	X	16.326	4.43
50	MP5A	Z	-9.426	4.43
51	MP5A	Mx	-.019	4.43
52	MP5B	X	15.415	.93
53	MP5B	Z	-8.9	.93
54	MP5B	Mx	.008	.93
55	MP5B	X	15.415	4.43
56	MP5B	Z	-8.9	4.43
57	MP5B	Mx	.008	4.43
58	MP5C	X	21.465	.93
59	MP5C	Z	-12.393	.93
60	MP5C	Mx	.017	.93
61	MP5C	X	21.465	4.43
62	MP5C	Z	-12.393	4.43
63	MP5C	Mx	.017	4.43
64	MP5A	X	16.326	.93
65	MP5A	Z	-9.426	.93
66	MP5A	Mx	-.006	.93
67	MP5A	X	16.326	4.43
68	MP5A	Z	-9.426	4.43
69	MP5A	Mx	-.006	4.43
70	MP5B	X	15.415	.93
71	MP5B	Z	-8.9	.93
72	MP5B	Mx	.017	.93
73	MP5B	X	15.415	4.43
74	MP5B	Z	-8.9	4.43
75	MP5B	Mx	.017	4.43
76	MP5C	X	21.465	.93
77	MP5C	Z	-12.393	.93
78	MP5C	Mx	-.017	.93
79	MP5C	X	21.465	4.43
80	MP5C	Z	-12.393	4.43
81	MP5C	Mx	-.017	4.43
82	MP1A	X	2.293	2.68
83	MP1A	Z	-1.324	2.68
84	MP1A	Mx	-.000764	2.68
85	MP1B	X	1.828	2.68
86	MP1B	Z	-1.055	2.68
87	MP1B	Mx	.000661	2.68
88	MP1C	X	4.916	2.68
89	MP1C	Z	-2.838	2.68
90	MP1C	Mx	0	2.68
91	MP5A	X	7.38	2.68
92	MP5A	Z	-4.261	2.68
93	MP5A	Mx	.004	2.68
94	MP5B	X	6.991	2.68
95	MP5B	Z	-4.036	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP5B	Mx	-.004	2.68
97	MP5C	X	9.578	2.68
98	MP5C	Z	-5.53	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	6.545	2.68
101	MP2A	Z	-3.779	2.68
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.545	2.68
104	MP2B	Z	-3.779	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.545	2.68
107	MP2C	Z	-3.779	2.68
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.51	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	-.002	1.75
4	MP3A	X	4.51	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	-.002	3.75
7	MP3B	X	8.163	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	.003	1.75
10	MP3B	X	8.163	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	.003	3.75
13	MP3C	X	9.179	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	.002	1.75
16	MP3C	X	9.179	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	.002	3.75
19	MP4A	X	6.058	3
20	MP4A	Z	0	3
21	MP4A	Mx	.003	3
22	MP4B	X	3.827	3
23	MP4B	Z	0	3
24	MP4B	Mx	-.000253	3
25	MP4C	X	3.207	3
26	MP4C	Z	0	3
27	MP4C	Mx	-.002	3
28	MP4A	X	6.058	3
29	MP4A	Z	0	3
30	MP4A	Mx	.003	3
31	MP4B	X	3.827	3
32	MP4B	Z	0	3
33	MP4B	Mx	-.002	3
34	MP4C	X	3.207	3
35	MP4C	Z	0	3
36	MP4C	Mx	.000124	3
37	MP5A	X	1.985	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.000496	1.5
40	MP5B	X	2.379	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	-.000382	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5C	X	2.488	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	-0.00311	1.5
46	MP5A	X	16.874	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	-.013	.93
49	MP5A	X	16.874	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	-.013	4.43
52	MP5B	X	21.517	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	-0.00616	.93
55	MP5B	X	21.517	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	-0.00616	4.43
58	MP5C	X	22.808	.93
59	MP5C	Z	0	.93
60	MP5C	Mx	.022	.93
61	MP5C	X	22.808	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	.022	4.43
64	MP5A	X	16.874	.93
65	MP5A	Z	0	.93
66	MP5A	Mx	-.013	.93
67	MP5A	X	16.874	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	-.013	4.43
70	MP5B	X	21.517	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	.021	.93
73	MP5B	X	21.517	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	.021	4.43
76	MP5C	X	22.808	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	-.005	.93
79	MP5C	X	22.808	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	-.005	4.43
82	MP1A	X	1.638	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-0.000546	2.68
85	MP1B	X	4.008	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.000859	2.68
88	MP1C	X	4.667	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	.000778	2.68
91	MP5A	X	7.676	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	.004	2.68
94	MP5B	X	9.662	2.68
95	MP5B	Z	0	2.68
96	MP5B	Mx	-.003	2.68
97	MP5C	X	10.214	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	-.003	2.68
100	MP2A	X	6.39	2.68
101	MP2A	Z	0	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.39	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.39	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.253	1.75
2	MP3A	Z	3.033	1.75
3	MP3A	Mx	-.003	1.75
4	MP3A	X	5.253	3.75
5	MP3A	Z	3.033	3.75
6	MP3A	Mx	-.003	3.75
7	MP3B	X	9.134	1.75
8	MP3B	Z	5.274	1.75
9	MP3B	Mx	.000916	1.75
10	MP3B	X	9.134	3.75
11	MP3B	Z	5.274	3.75
12	MP3B	Mx	.000916	3.75
13	MP3C	X	5.253	1.75
14	MP3C	Z	3.033	1.75
15	MP3C	Mx	.003	1.75
16	MP3C	X	5.253	3.75
17	MP3C	Z	3.033	3.75
18	MP3C	Mx	.003	3.75
19	MP4A	X	4.423	3
20	MP4A	Z	2.554	3
21	MP4A	Mx	.001	3
22	MP4B	X	2.053	3
23	MP4B	Z	1.185	3
24	MP4B	Mx	.000572	3
25	MP4C	X	4.423	3
26	MP4C	Z	2.554	3
27	MP4C	Mx	-.003	3
28	MP4A	X	4.423	3
29	MP4A	Z	2.554	3
30	MP4A	Mx	.003	3
31	MP4B	X	2.053	3
32	MP4B	Z	1.185	3
33	MP4B	Mx	-.000984	3
34	MP4C	X	4.423	3
35	MP4C	Z	2.554	3
36	MP4C	Mx	-.001	3
37	MP5A	X	1.865	1.5
38	MP5A	Z	1.076	1.5
39	MP5A	Mx	.000466	1.5
40	MP5B	X	2.282	1.5
41	MP5B	Z	1.318	1.5
42	MP5B	Mx	-.000114	1.5
43	MP5C	X	1.865	1.5
44	MP5C	Z	1.076	1.5
45	MP5C	Mx	-.000466	1.5
46	MP5A	X	16.326	.93
47	MP5A	Z	9.426	.93
48	MP5A	Mx	-.006	.93



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
49	MP5A	X	16.326	4.43
50	MP5A	Z	9.426	4.43
51	MP5A	Mx	-.006	4.43
52	MP5B	X	21.259	.93
53	MP5B	Z	12.274	.93
54	MP5B	Mx	-.013	.93
55	MP5B	X	21.259	4.43
56	MP5B	Z	12.274	4.43
57	MP5B	Mx	-.013	4.43
58	MP5C	X	16.326	.93
59	MP5C	Z	9.426	.93
60	MP5C	Mx	.019	.93
61	MP5C	X	16.326	4.43
62	MP5C	Z	9.426	4.43
63	MP5C	Mx	.019	4.43
64	MP5A	X	16.326	.93
65	MP5A	Z	9.426	.93
66	MP5A	Mx	-.019	.93
67	MP5A	X	16.326	4.43
68	MP5A	Z	9.426	4.43
69	MP5A	Mx	-.019	4.43
70	MP5B	X	21.259	.93
71	MP5B	Z	12.274	.93
72	MP5B	Mx	.019	.93
73	MP5B	X	21.259	4.43
74	MP5B	Z	12.274	4.43
75	MP5B	Mx	.019	4.43
76	MP5C	X	16.326	.93
77	MP5C	Z	9.426	.93
78	MP5C	Mx	.006	.93
79	MP5C	X	16.326	4.43
80	MP5C	Z	9.426	4.43
81	MP5C	Mx	.006	4.43
82	MP1A	X	2.293	2.68
83	MP1A	Z	1.324	2.68
84	MP1A	Mx	-.000764	2.68
85	MP1B	X	4.811	2.68
86	MP1B	Z	2.777	2.68
87	MP1B	Mx	.000322	2.68
88	MP1C	X	2.293	2.68
89	MP1C	Z	1.324	2.68
90	MP1C	Mx	.000764	2.68
91	MP5A	X	7.38	2.68
92	MP5A	Z	4.261	2.68
93	MP5A	Mx	.004	2.68
94	MP5B	X	9.49	2.68
95	MP5B	Z	5.479	2.68
96	MP5B	Mx	-.000951	2.68
97	MP5C	X	7.38	2.68
98	MP5C	Z	4.261	2.68
99	MP5C	Mx	-.004	2.68
100	MP2A	X	6.545	2.68
101	MP2A	Z	3.779	2.68
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.545	2.68
104	MP2B	Z	3.779	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.545	2.68
107	MP2C	Z	3.779	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.589	1.75
2	MP3A	Z	7.949	1.75
3	MP3A	Mx	-.002	1.75
4	MP3A	X	4.589	3.75
5	MP3A	Z	7.949	3.75
6	MP3A	Mx	-.002	3.75
7	MP3B	X	5.004	1.75
8	MP3B	Z	8.666	1.75
9	MP3B	Mx	-.002	1.75
10	MP3B	X	5.004	3.75
11	MP3B	Z	8.666	3.75
12	MP3B	Mx	-.002	3.75
13	MP3C	X	2.255	1.75
14	MP3C	Z	3.906	1.75
15	MP3C	Mx	.002	1.75
16	MP3C	X	2.255	3.75
17	MP3C	Z	3.906	3.75
18	MP3C	Mx	.002	3.75
19	MP4A	X	1.603	3
20	MP4A	Z	2.777	3
21	MP4A	Mx	-.000124	3
22	MP4B	X	1.35	3
23	MP4B	Z	2.339	3
24	MP4B	Mx	.001	3
25	MP4C	X	3.029	3
26	MP4C	Z	5.246	3
27	MP4C	Mx	-.003	3
28	MP4A	X	1.603	3
29	MP4A	Z	2.777	3
30	MP4A	Mx	.002	3
31	MP4B	X	1.35	3
32	MP4B	Z	2.339	3
33	MP4B	Mx	-.000384	3
34	MP4C	X	3.029	3
35	MP4C	Z	5.246	3
36	MP4C	Mx	-.003	3
37	MP5A	X	1.244	1.5
38	MP5A	Z	2.155	1.5
39	MP5A	Mx	.000311	1.5
40	MP5B	X	1.289	1.5
41	MP5B	Z	2.232	1.5
42	MP5B	Mx	.00022	1.5
43	MP5C	X	.993	1.5
44	MP5C	Z	1.719	1.5
45	MP5C	Mx	-.000496	1.5
46	MP5A	X	11.404	.93
47	MP5A	Z	19.752	.93
48	MP5A	Mx	.005	.93
49	MP5A	X	11.404	4.43
50	MP5A	Z	19.752	4.43
51	MP5A	Mx	.005	4.43
52	MP5B	X	11.93	.93
53	MP5B	Z	20.664	.93
54	MP5B	Mx	-.021	.93

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
2	MP3A	Z	10.735	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	10.735	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	7.082	1.75
9	MP3B	Mx	-.003	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	7.082	3.75
12	MP3B	Mx	-.003	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	6.066	1.75
15	MP3C	Mx	.003	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	6.066	3.75
18	MP3C	Mx	.003	3.75
19	MP4A	X	0	3
20	MP4A	Z	2.256	3
21	MP4A	Mx	-.000752	3
22	MP4B	X	0	3
23	MP4B	Z	4.487	3
24	MP4B	Mx	.003	3
25	MP4C	X	0	3
26	MP4C	Z	5.107	3
27	MP4C	Mx	-.001	3
28	MP4A	X	0	3
29	MP4A	Z	2.256	3
30	MP4A	Mx	.000752	3
31	MP4B	X	0	3
32	MP4B	Z	4.487	3
33	MP4B	Mx	.000757	3
34	MP4C	X	0	3
35	MP4C	Z	5.107	3
36	MP4C	Mx	-.003	3
37	MP5A	X	0	1.5
38	MP5A	Z	2.655	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	2.262	1.5
42	MP5B	Mx	.000433	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	2.153	1.5
45	MP5C	Mx	-.000466	1.5
46	MP5A	X	0	.93
47	MP5A	Z	24.786	.93
48	MP5A	Mx	.017	.93
49	MP5A	X	0	4.43
50	MP5A	Z	24.786	4.43
51	MP5A	Mx	.017	4.43
52	MP5B	X	0	.93
53	MP5B	Z	20.143	.93
54	MP5B	Mx	-.02	.93
55	MP5B	X	0	4.43
56	MP5B	Z	20.143	4.43
57	MP5B	Mx	-.02	4.43
58	MP5C	X	0	.93
59	MP5C	Z	18.852	.93
60	MP5C	Mx	.006	.93



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP5C	X	0	4.43
62	MP5C	Z	18.852	4.43
63	MP5C	Mx	.006	4.43
64	MP5A	X	0	.93
65	MP5A	Z	24.786	.93
66	MP5A	Mx	-.017	.93
67	MP5A	X	0	4.43
68	MP5A	Z	24.786	4.43
69	MP5A	Mx	-.017	4.43
70	MP5B	X	0	.93
71	MP5B	Z	20.143	.93
72	MP5B	Mx	-.003	.93
73	MP5B	X	0	4.43
74	MP5B	Z	20.143	4.43
75	MP5B	Mx	-.003	4.43
76	MP5C	X	0	.93
77	MP5C	Z	18.852	.93
78	MP5C	Mx	.019	.93
79	MP5C	X	0	4.43
80	MP5C	Z	18.852	4.43
81	MP5C	Mx	.019	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	5.677	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	3.307	2.68
87	MP1B	Mx	-.000844	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	2.648	2.68
90	MP1C	Mx	.000764	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	11.06	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	9.074	2.68
96	MP5B	Mx	.003	2.68
97	MP5C	X	0	2.68
98	MP5C	Z	8.522	2.68
99	MP5C	Mx	-.004	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	11.06	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	11.06	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	11.06	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.589	1.75
2	MP3A	Z	7.949	1.75
3	MP3A	Mx	.002	1.75
4	MP3A	X	-4.589	3.75
5	MP3A	Z	7.949	3.75
6	MP3A	Mx	.002	3.75
7	MP3B	X	-2.349	1.75



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
8	MP3B	Z	4.068	1.75
9	MP3B	Mx	-.002	1.75
10	MP3B	X	-2.349	3.75
11	MP3B	Z	4.068	3.75
12	MP3B	Mx	-.002	3.75
13	MP3C	X	-4.589	1.75
14	MP3C	Z	7.949	1.75
15	MP3C	Mx	.002	1.75
16	MP3C	X	-4.589	3.75
17	MP3C	Z	7.949	3.75
18	MP3C	Mx	.002	3.75
19	MP4A	X	-1.603	3
20	MP4A	Z	2.777	3
21	MP4A	Mx	-.002	3
22	MP4B	X	-2.972	3
23	MP4B	Z	5.147	3
24	MP4B	Mx	.003	3
25	MP4C	X	-1.603	3
26	MP4C	Z	2.777	3
27	MP4C	Mx	.000124	3
28	MP4A	X	-1.603	3
29	MP4A	Z	2.777	3
30	MP4A	Mx	.000124	3
31	MP4B	X	-2.972	3
32	MP4B	Z	5.147	3
33	MP4B	Mx	.003	3
34	MP4C	X	-1.603	3
35	MP4C	Z	2.777	3
36	MP4C	Mx	-.002	3
37	MP5A	X	-1.244	1.5
38	MP5A	Z	2.155	1.5
39	MP5A	Mx	-.000311	1.5
40	MP5B	X	-1.003	1.5
41	MP5B	Z	1.737	1.5
42	MP5B	Mx	.000494	1.5
43	MP5C	X	-1.244	1.5
44	MP5C	Z	2.155	1.5
45	MP5C	Mx	-.000311	1.5
46	MP5A	X	-11.404	.93
47	MP5A	Z	19.752	.93
48	MP5A	Mx	.022	.93
49	MP5A	X	-11.404	4.43
50	MP5A	Z	19.752	4.43
51	MP5A	Mx	.022	4.43
52	MP5B	X	-8.556	.93
53	MP5B	Z	14.82	.93
54	MP5B	Mx	-.015	.93
55	MP5B	X	-8.556	4.43
56	MP5B	Z	14.82	4.43
57	MP5B	Mx	-.015	4.43
58	MP5C	X	-11.404	.93
59	MP5C	Z	19.752	.93
60	MP5C	Mx	-.005	.93
61	MP5C	X	-11.404	4.43
62	MP5C	Z	19.752	4.43
63	MP5C	Mx	-.005	4.43
64	MP5A	X	-11.404	.93
65	MP5A	Z	19.752	.93
66	MP5A	Mx	-.005	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
67	MP5A	X	-11.404	4.43
68	MP5A	Z	19.752	4.43
69	MP5A	Mx	-0.005	4.43
70	MP5B	X	-8.556	.93
71	MP5B	Z	14.82	.93
72	MP5B	Mx	-0.011	.93
73	MP5B	X	-8.556	4.43
74	MP5B	Z	14.82	4.43
75	MP5B	Mx	-0.011	4.43
76	MP5C	X	-11.404	.93
77	MP5C	Z	19.752	.93
78	MP5C	Mx	.022	.93
79	MP5C	X	-11.404	4.43
80	MP5C	Z	19.752	4.43
81	MP5C	Mx	.022	4.43
82	MP1A	X	-2.334	2.68
83	MP1A	Z	4.042	2.68
84	MP1A	Mx	.000778	2.68
85	MP1B	X	-.88	2.68
86	MP1B	Z	1.524	2.68
87	MP1B	Mx	-0.000578	2.68
88	MP1C	X	-2.334	2.68
89	MP1C	Z	4.042	2.68
90	MP1C	Mx	.000778	2.68
91	MP5A	X	-5.107	2.68
92	MP5A	Z	8.846	2.68
93	MP5A	Mx	-.003	2.68
94	MP5B	X	-3.889	2.68
95	MP5B	Z	6.736	2.68
96	MP5B	Mx	.004	2.68
97	MP5C	X	-5.107	2.68
98	MP5C	Z	8.846	2.68
99	MP5C	Mx	-.003	2.68
100	MP2A	X	-4.946	2.68
101	MP2A	Z	8.567	2.68
102	MP2A	Mx	-.002	2.68
103	MP2B	X	-4.946	2.68
104	MP2B	Z	8.567	2.68
105	MP2B	Mx	-.002	2.68
106	MP2C	X	-4.946	2.68
107	MP2C	Z	8.567	2.68
108	MP2C	Mx	-.002	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-5.253	1.75
2	MP3A	Z	3.033	1.75
3	MP3A	Mx	.003	1.75
4	MP3A	X	-5.253	3.75
5	MP3A	Z	3.033	3.75
6	MP3A	Mx	.003	3.75
7	MP3B	X	-4.536	1.75
8	MP3B	Z	2.619	1.75
9	MP3B	Mx	-.002	1.75
10	MP3B	X	-4.536	3.75
11	MP3B	Z	2.619	3.75
12	MP3B	Mx	-.002	3.75
13	MP3C	X	-9.297	1.75



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
14	MP3C	Z	5.368	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	-9.297	3.75
17	MP3C	Z	5.368	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	-4.423	3
20	MP4A	Z	2.554	3
21	MP4A	Mx	-.003	3
22	MP4B	X	-4.861	3
23	MP4B	Z	2.807	3
24	MP4B	Mx	.002	3
25	MP4C	X	-1.954	3
26	MP4C	Z	1.128	3
27	MP4C	Mx	.000752	3
28	MP4A	X	-4.423	3
29	MP4A	Z	2.554	3
30	MP4A	Mx	-.001	3
31	MP4B	X	-4.861	3
32	MP4B	Z	2.807	3
33	MP4B	Mx	.003	3
34	MP4C	X	-1.954	3
35	MP4C	Z	1.128	3
36	MP4C	Mx	-.000752	3
37	MP5A	X	-1.865	1.5
38	MP5A	Z	1.076	1.5
39	MP5A	Mx	-.000466	1.5
40	MP5B	X	-1.787	1.5
41	MP5B	Z	1.032	1.5
42	MP5B	Mx	.000485	1.5
43	MP5C	X	-2.3	1.5
44	MP5C	Z	1.328	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	-16.326	.93
47	MP5A	Z	9.426	.93
48	MP5A	Mx	.019	.93
49	MP5A	X	-16.326	4.43
50	MP5A	Z	9.426	4.43
51	MP5A	Mx	.019	4.43
52	MP5B	X	-15.415	.93
53	MP5B	Z	8.9	.93
54	MP5B	Mx	-.008	.93
55	MP5B	X	-15.415	4.43
56	MP5B	Z	8.9	4.43
57	MP5B	Mx	-.008	4.43
58	MP5C	X	-21.465	.93
59	MP5C	Z	12.393	.93
60	MP5C	Mx	-.017	.93
61	MP5C	X	-21.465	4.43
62	MP5C	Z	12.393	4.43
63	MP5C	Mx	-.017	4.43
64	MP5A	X	-16.326	.93
65	MP5A	Z	9.426	.93
66	MP5A	Mx	.006	.93
67	MP5A	X	-16.326	4.43
68	MP5A	Z	9.426	4.43
69	MP5A	Mx	.006	4.43
70	MP5B	X	-15.415	.93
71	MP5B	Z	8.9	.93
72	MP5B	Mx	-.017	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP5B	X	-15.415	4.43
74	MP5B	Z	8.9	4.43
75	MP5B	Mx	-.017	4.43
76	MP5C	X	-21.465	.93
77	MP5C	Z	12.393	.93
78	MP5C	Mx	.017	.93
79	MP5C	X	-21.465	4.43
80	MP5C	Z	12.393	4.43
81	MP5C	Mx	.017	4.43
82	MP1A	X	-2.293	2.68
83	MP1A	Z	1.324	2.68
84	MP1A	Mx	.000764	2.68
85	MP1B	X	-1.828	2.68
86	MP1B	Z	1.055	2.68
87	MP1B	Mx	-.000661	2.68
88	MP1C	X	-4.916	2.68
89	MP1C	Z	2.838	2.68
90	MP1C	Mx	0	2.68
91	MP5A	X	-7.38	2.68
92	MP5A	Z	4.261	2.68
93	MP5A	Mx	-.004	2.68
94	MP5B	X	-6.991	2.68
95	MP5B	Z	4.036	2.68
96	MP5B	Mx	.004	2.68
97	MP5C	X	-9.578	2.68
98	MP5C	Z	5.53	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	-6.545	2.68
101	MP2A	Z	3.779	2.68
102	MP2A	Mx	-.003	2.68
103	MP2B	X	-6.545	2.68
104	MP2B	Z	3.779	2.68
105	MP2B	Mx	-.003	2.68
106	MP2C	X	-6.545	2.68
107	MP2C	Z	3.779	2.68
108	MP2C	Mx	-.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.51	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	.002	1.75
4	MP3A	X	-4.51	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	.002	3.75
7	MP3B	X	-8.163	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	-.003	1.75
10	MP3B	X	-8.163	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	-.003	3.75
13	MP3C	X	-9.179	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	-.002	1.75
16	MP3C	X	-9.179	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	-.002	3.75
19	MP4A	X	-6.058	3



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
20	MP4A	Z	0	3
21	MP4A	Mx	-.003	3
22	MP4B	X	-3.827	3
23	MP4B	Z	0	3
24	MP4B	Mx	.000253	3
25	MP4C	X	-3.207	3
26	MP4C	Z	0	3
27	MP4C	Mx	.002	3
28	MP4A	X	-6.058	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.003	3
31	MP4B	X	-3.827	3
32	MP4B	Z	0	3
33	MP4B	Mx	.002	3
34	MP4C	X	-3.207	3
35	MP4C	Z	0	3
36	MP4C	Mx	-.000124	3
37	MP5A	X	-1.985	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.000496	1.5
40	MP5B	X	-2.379	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	.000382	1.5
43	MP5C	X	-2.488	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	.000311	1.5
46	MP5A	X	-16.874	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	.013	.93
49	MP5A	X	-16.874	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	.013	4.43
52	MP5B	X	-21.517	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	.000616	.93
55	MP5B	X	-21.517	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	.000616	4.43
58	MP5C	X	-22.808	.93
59	MP5C	Z	0	.93
60	MP5C	Mx	-.022	.93
61	MP5C	X	-22.808	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	-.022	4.43
64	MP5A	X	-16.874	.93
65	MP5A	Z	0	.93
66	MP5A	Mx	.013	.93
67	MP5A	X	-16.874	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	.013	4.43
70	MP5B	X	-21.517	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	-.021	.93
73	MP5B	X	-21.517	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	-.021	4.43
76	MP5C	X	-22.808	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	.005	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	MP5C	X	-22.808	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	.005	4.43
82	MP1A	X	-1.638	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	.000546	2.68
85	MP1B	X	-4.008	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.000859	2.68
88	MP1C	X	-4.667	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.000778	2.68
91	MP5A	X	-7.676	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	-.004	2.68
94	MP5B	X	-9.662	2.68
95	MP5B	Z	0	2.68
96	MP5B	Mx	.003	2.68
97	MP5C	X	-10.214	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	.003	2.68
100	MP2A	X	-6.39	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.003	2.68
103	MP2B	X	-6.39	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.003	2.68
106	MP2C	X	-6.39	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.253	1.75
2	MP3A	Z	-3.033	1.75
3	MP3A	Mx	.003	1.75
4	MP3A	X	-5.253	3.75
5	MP3A	Z	-3.033	3.75
6	MP3A	Mx	.003	3.75
7	MP3B	X	-9.134	1.75
8	MP3B	Z	-5.274	1.75
9	MP3B	Mx	-.000916	1.75
10	MP3B	X	-9.134	3.75
11	MP3B	Z	-5.274	3.75
12	MP3B	Mx	-.000916	3.75
13	MP3C	X	-5.253	1.75
14	MP3C	Z	-3.033	1.75
15	MP3C	Mx	-.003	1.75
16	MP3C	X	-5.253	3.75
17	MP3C	Z	-3.033	3.75
18	MP3C	Mx	-.003	3.75
19	MP4A	X	-4.423	3
20	MP4A	Z	-2.554	3
21	MP4A	Mx	-.001	3
22	MP4B	X	-2.053	3
23	MP4B	Z	-1.185	3
24	MP4B	Mx	-.000572	3
25	MP4C	X	-4.423	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
85	MP1B	X	-4.811	2.68
86	MP1B	Z	-2.777	2.68
87	MP1B	Mx	-0.00322	2.68
88	MP1C	X	-2.293	2.68
89	MP1C	Z	-1.324	2.68
90	MP1C	Mx	-0.00764	2.68
91	MP5A	X	-7.38	2.68
92	MP5A	Z	-4.261	2.68
93	MP5A	Mx	-0.004	2.68
94	MP5B	X	-9.49	2.68
95	MP5B	Z	-5.479	2.68
96	MP5B	Mx	.000951	2.68
97	MP5C	X	-7.38	2.68
98	MP5C	Z	-4.261	2.68
99	MP5C	Mx	.004	2.68
100	MP2A	X	-6.545	2.68
101	MP2A	Z	-3.779	2.68
102	MP2A	Mx	-0.003	2.68
103	MP2B	X	-6.545	2.68
104	MP2B	Z	-3.779	2.68
105	MP2B	Mx	-0.003	2.68
106	MP2C	X	-6.545	2.68
107	MP2C	Z	-3.779	2.68
108	MP2C	Mx	-0.003	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.589	1.75
2	MP3A	Z	-7.949	1.75
3	MP3A	Mx	.002	1.75
4	MP3A	X	-4.589	3.75
5	MP3A	Z	-7.949	3.75
6	MP3A	Mx	.002	3.75
7	MP3B	X	-5.004	1.75
8	MP3B	Z	-8.666	1.75
9	MP3B	Mx	.002	1.75
10	MP3B	X	-5.004	3.75
11	MP3B	Z	-8.666	3.75
12	MP3B	Mx	.002	3.75
13	MP3C	X	-2.255	1.75
14	MP3C	Z	-3.906	1.75
15	MP3C	Mx	-0.002	1.75
16	MP3C	X	-2.255	3.75
17	MP3C	Z	-3.906	3.75
18	MP3C	Mx	-0.002	3.75
19	MP4A	X	-1.603	3
20	MP4A	Z	-2.777	3
21	MP4A	Mx	.000124	3
22	MP4B	X	-1.35	3
23	MP4B	Z	-2.339	3
24	MP4B	Mx	-0.001	3
25	MP4C	X	-3.029	3
26	MP4C	Z	-5.246	3
27	MP4C	Mx	.003	3
28	MP4A	X	-1.603	3
29	MP4A	Z	-2.777	3
30	MP4A	Mx	-0.002	3
31	MP4B	X	-1.35	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP4B	Z	-2.339	3
33	MP4B	Mx	.000384	3
34	MP4C	X	-3.029	3
35	MP4C	Z	-5.246	3
36	MP4C	Mx	.003	3
37	MP5A	X	-1.244	1.5
38	MP5A	Z	-2.155	1.5
39	MP5A	Mx	-.000311	1.5
40	MP5B	X	-1.289	1.5
41	MP5B	Z	-2.232	1.5
42	MP5B	Mx	-.00022	1.5
43	MP5C	X	-.993	1.5
44	MP5C	Z	-1.719	1.5
45	MP5C	Mx	.000496	1.5
46	MP5A	X	-11.404	.93
47	MP5A	Z	-19.752	.93
48	MP5A	Mx	-.005	.93
49	MP5A	X	-11.404	4.43
50	MP5A	Z	-19.752	4.43
51	MP5A	Mx	-.005	4.43
52	MP5B	X	-11.93	.93
53	MP5B	Z	-20.664	.93
54	MP5B	Mx	.021	.93
55	MP5B	X	-11.93	4.43
56	MP5B	Z	-20.664	4.43
57	MP5B	Mx	.021	4.43
58	MP5C	X	-8.437	.93
59	MP5C	Z	-14.613	.93
60	MP5C	Mx	-.013	.93
61	MP5C	X	-8.437	4.43
62	MP5C	Z	-14.613	4.43
63	MP5C	Mx	-.013	4.43
64	MP5A	X	-11.404	.93
65	MP5A	Z	-19.752	.93
66	MP5A	Mx	.022	.93
67	MP5A	X	-11.404	4.43
68	MP5A	Z	-19.752	4.43
69	MP5A	Mx	.022	4.43
70	MP5B	X	-11.93	.93
71	MP5B	Z	-20.664	.93
72	MP5B	Mx	-.009	.93
73	MP5B	X	-11.93	4.43
74	MP5B	Z	-20.664	4.43
75	MP5B	Mx	-.009	4.43
76	MP5C	X	-8.437	.93
77	MP5C	Z	-14.613	.93
78	MP5C	Mx	-.013	.93
79	MP5C	X	-8.437	4.43
80	MP5C	Z	-14.613	4.43
81	MP5C	Mx	-.013	4.43
82	MP1A	X	-2.334	2.68
83	MP1A	Z	-4.042	2.68
84	MP1A	Mx	.000778	2.68
85	MP1B	X	-2.602	2.68
86	MP1B	Z	-4.507	2.68
87	MP1B	Mx	.000593	2.68
88	MP1C	X	-.819	2.68
89	MP1C	Z	-1.419	2.68
90	MP1C	Mx	-.000546	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
91	MP5A	X	-5.107	2.68
92	MP5A	Z	-8.846	2.68
93	MP5A	Mx	-.003	2.68
94	MP5B	X	-5.332	2.68
95	MP5B	Z	-9.235	2.68
96	MP5B	Mx	-.002	2.68
97	MP5C	X	-3.838	2.68
98	MP5C	Z	-6.648	2.68
99	MP5C	Mx	.004	2.68
100	MP2A	X	-4.946	2.68
101	MP2A	Z	-8.567	2.68
102	MP2A	Mx	-.002	2.68
103	MP2B	X	-4.946	2.68
104	MP2B	Z	-8.567	2.68
105	MP2B	Mx	-.002	2.68
106	MP2C	X	-4.946	2.68
107	MP2C	Z	-8.567	2.68
108	MP2C	Mx	-.002	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.75
2	MP3A	Z	-3.405	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	-3.405	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	-2.176	1.75
9	MP3B	Mx	.000833	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	-2.176	3.75
12	MP3B	Mx	.000833	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	-1.835	1.75
15	MP3C	Mx	-.000795	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	-1.835	3.75
18	MP3C	Mx	-.000795	3.75
19	MP4A	X	0	3
20	MP4A	Z	-1.725	3
21	MP4A	Mx	.000575	3
22	MP4B	X	0	3
23	MP4B	Z	-1.728	3
24	MP4B	Mx	-.001	3
25	MP4C	X	0	3
26	MP4C	Z	-1.729	3
27	MP4C	Mx	.000461	3
28	MP4A	X	0	3
29	MP4A	Z	-1.725	3
30	MP4A	Mx	-.000575	3
31	MP4B	X	0	3
32	MP4B	Z	-1.728	3
33	MP4B	Mx	-.000292	3
34	MP4C	X	0	3
35	MP4C	Z	-1.729	3
36	MP4C	Mx	.001	3
37	MP5A	X	0	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
38	MP5A	Z	-.665	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	-.545	1.5
42	MP5B	Mx	-.000104	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	-.511	1.5
45	MP5C	Mx	.000111	1.5
46	MP5A	X	0	.93
47	MP5A	Z	-8.184	.93
48	MP5A	Mx	-.005	.93
49	MP5A	X	0	4.43
50	MP5A	Z	-8.184	4.43
51	MP5A	Mx	-.005	4.43
52	MP5B	X	0	.93
53	MP5B	Z	-6.536	.93
54	MP5B	Mx	.007	.93
55	MP5B	X	0	4.43
56	MP5B	Z	-6.536	4.43
57	MP5B	Mx	.007	4.43
58	MP5C	X	0	.93
59	MP5C	Z	-6.077	.93
60	MP5C	Mx	-.002	.93
61	MP5C	X	0	4.43
62	MP5C	Z	-6.077	4.43
63	MP5C	Mx	-.002	4.43
64	MP5A	X	0	.93
65	MP5A	Z	-8.184	.93
66	MP5A	Mx	.005	.93
67	MP5A	X	0	4.43
68	MP5A	Z	-8.184	4.43
69	MP5A	Mx	.005	4.43
70	MP5B	X	0	.93
71	MP5B	Z	-6.536	.93
72	MP5B	Mx	.000954	.93
73	MP5B	X	0	4.43
74	MP5B	Z	-6.536	4.43
75	MP5B	Mx	.000954	4.43
76	MP5C	X	0	.93
77	MP5C	Z	-6.077	.93
78	MP5C	Mx	-.006	.93
79	MP5C	X	0	4.43
80	MP5C	Z	-6.077	4.43
81	MP5C	Mx	-.006	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	-1.599	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-.845	2.68
87	MP1B	Mx	.000216	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	-.635	2.68
90	MP1C	Mx	-.000183	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	-2.785	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	-2.247	2.68
96	MP5B	Mx	-.000861	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
97	MP5C	X	0	2.68
98	MP5C	Z	-2.098	2.68
99	MP5C	Mx	.000908	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-2.785	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-2.785	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-2.785	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.441	1.75
2	MP3A	Z	-2.495	1.75
3	MP3A	Mx	-.000721	1.75
4	MP3A	X	1.441	3.75
5	MP3A	Z	-2.495	3.75
6	MP3A	Mx	-.000721	3.75
7	MP3B	X	.687	1.75
8	MP3B	Z	-1.19	1.75
9	MP3B	Mx	.000677	1.75
10	MP3B	X	.687	3.75
11	MP3B	Z	-1.19	3.75
12	MP3B	Mx	.000677	3.75
13	MP3C	X	1.441	1.75
14	MP3C	Z	-2.495	1.75
15	MP3C	Mx	-.00072	1.75
16	MP3C	X	1.441	3.75
17	MP3C	Z	-2.495	3.75
18	MP3C	Mx	-.00072	3.75
19	MP4A	X	.863	3
20	MP4A	Z	-1.495	3
21	MP4A	Mx	.00093	3
22	MP4B	X	.865	3
23	MP4B	Z	-1.498	3
24	MP4B	Mx	-.000952	3
25	MP4C	X	.863	3
26	MP4C	Z	-1.495	3
27	MP4C	Mx	-6.7e-5	3
28	MP4A	X	.863	3
29	MP4A	Z	-1.495	3
30	MP4A	Mx	-6.7e-5	3
31	MP4B	X	.865	3
32	MP4B	Z	-1.498	3
33	MP4B	Mx	-.000752	3
34	MP4C	X	.863	3
35	MP4C	Z	-1.495	3
36	MP4C	Mx	.00093	3
37	MP5A	X	.307	1.5
38	MP5A	Z	-.531	1.5
39	MP5A	Mx	7.7e-5	1.5
40	MP5B	X	.233	1.5
41	MP5B	Z	-.404	1.5
42	MP5B	Mx	-.000115	1.5
43	MP5C	X	.307	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
103	MP2B	X	1.235	2.68
104	MP2B	Z	-2.139	2.68
105	MP2B	Mx	.000618	2.68
106	MP2C	X	1.235	2.68
107	MP2C	Z	-2.139	2.68
108	MP2C	Mx	.000618	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.589	1.75
2	MP3A	Z	-.917	1.75
3	MP3A	Mx	-.000794	1.75
4	MP3A	X	1.589	3.75
5	MP3A	Z	-.917	3.75
6	MP3A	Mx	-.000794	3.75
7	MP3B	X	1.348	1.75
8	MP3B	Z	-.778	1.75
9	MP3B	Mx	.000731	1.75
10	MP3B	X	1.348	3.75
11	MP3B	Z	-.778	3.75
12	MP3B	Mx	.000731	3.75
13	MP3C	X	2.949	1.75
14	MP3C	Z	-1.702	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	2.949	3.75
17	MP3C	Z	-1.702	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	1.497	3
20	MP4A	Z	-.864	3
21	MP4A	Mx	.001	3
22	MP4B	X	1.498	3
23	MP4B	Z	-.865	3
24	MP4B	Mx	-.000616	3
25	MP4C	X	1.494	3
26	MP4C	Z	-.862	3
27	MP4C	Mx	-.000575	3
28	MP4A	X	1.497	3
29	MP4A	Z	-.864	3
30	MP4A	Mx	.000461	3
31	MP4B	X	1.498	3
32	MP4B	Z	-.865	3
33	MP4B	Mx	-.001	3
34	MP4C	X	1.494	3
35	MP4C	Z	-.862	3
36	MP4C	Mx	.000575	3
37	MP5A	X	.443	1.5
38	MP5A	Z	-.256	1.5
39	MP5A	Mx	.000111	1.5
40	MP5B	X	.419	1.5
41	MP5B	Z	-.242	1.5
42	MP5B	Mx	-.000114	1.5
43	MP5C	X	.576	1.5
44	MP5C	Z	-.332	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	5.263	.93
47	MP5A	Z	-3.039	.93
48	MP5A	Mx	-.006	.93
49	MP5A	X	5.263	4.43



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP5A	Z	-3.039	4.43
51	MP5A	Mx	-.006	4.43
52	MP5B	X	4.939	.93
53	MP5B	Z	-2.852	.93
54	MP5B	Mx	.003	.93
55	MP5B	X	4.939	4.43
56	MP5B	Z	-2.852	4.43
57	MP5B	Mx	.003	4.43
58	MP5C	X	7.087	.93
59	MP5C	Z	-4.092	.93
60	MP5C	Mx	.005	.93
61	MP5C	X	7.087	4.43
62	MP5C	Z	-4.092	4.43
63	MP5C	Mx	.005	4.43
64	MP5A	X	5.263	.93
65	MP5A	Z	-3.039	.93
66	MP5A	Mx	-.002	.93
67	MP5A	X	5.263	4.43
68	MP5A	Z	-3.039	4.43
69	MP5A	Mx	-.002	4.43
70	MP5B	X	4.939	.93
71	MP5B	Z	-2.852	.93
72	MP5B	Mx	.005	.93
73	MP5B	X	4.939	4.43
74	MP5B	Z	-2.852	4.43
75	MP5B	Mx	.005	4.43
76	MP5C	X	7.087	.93
77	MP5C	Z	-4.092	.93
78	MP5C	Mx	-.005	.93
79	MP5C	X	7.087	4.43
80	MP5C	Z	-4.092	4.43
81	MP5C	Mx	-.005	4.43
82	MP1A	X	.55	2.68
83	MP1A	Z	-.317	2.68
84	MP1A	Mx	-.000183	2.68
85	MP1B	X	.402	2.68
86	MP1B	Z	-.232	2.68
87	MP1B	Mx	.000145	2.68
88	MP1C	X	1.385	2.68
89	MP1C	Z	-.8	2.68
90	MP1C	Mx	0	2.68
91	MP5A	X	1.817	2.68
92	MP5A	Z	-1.049	2.68
93	MP5A	Mx	.000908	2.68
94	MP5B	X	1.711	2.68
95	MP5B	Z	-.988	2.68
96	MP5B	Mx	-.000928	2.68
97	MP5C	X	2.412	2.68
98	MP5C	Z	-1.392	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	1.595	2.68
101	MP2A	Z	-.921	2.68
102	MP2A	Mx	.000798	2.68
103	MP2B	X	1.595	2.68
104	MP2B	Z	-.921	2.68
105	MP2B	Mx	.000798	2.68
106	MP2C	X	1.595	2.68
107	MP2C	Z	-.921	2.68
108	MP2C	Mx	.000798	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.311	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	-0.000655	1.75
4	MP3A	X	1.311	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	-0.000655	3.75
7	MP3B	X	2.54	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	.000816	1.75
10	MP3B	X	2.54	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	.000816	3.75
13	MP3C	X	2.881	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	.00072	1.75
16	MP3C	X	2.881	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	.00072	3.75
19	MP4A	X	1.73	3
20	MP4A	Z	0	3
21	MP4A	Mx	.000865	3
22	MP4B	X	1.727	3
23	MP4B	Z	0	3
24	MP4B	Mx	-0.000114	3
25	MP4C	X	1.726	3
26	MP4C	Z	0	3
27	MP4C	Mx	-0.00093	3
28	MP4A	X	1.73	3
29	MP4A	Z	0	3
30	MP4A	Mx	.000865	3
31	MP4B	X	1.727	3
32	MP4B	Z	0	3
33	MP4B	Mx	-0.000996	3
34	MP4C	X	1.726	3
35	MP4C	Z	0	3
36	MP4C	Mx	6.7e-5	3
37	MP5A	X	.46	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.000115	1.5
40	MP5B	X	.58	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	-9.3e-5	1.5
43	MP5C	X	.614	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	-7.7e-5	1.5
46	MP5A	X	5.375	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	-.004	.93
49	MP5A	X	5.375	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	-.004	4.43
52	MP5B	X	7.023	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	-0.000201	.93
55	MP5B	X	7.023	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	-0.000201	4.43
58	MP5C	X	7.482	.93
59	MP5C	Z	0	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP5C	Mx	.007	.93
61	MP5C	X	7.482	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	.007	4.43
64	MP5A	X	5.375	.93
65	MP5A	Z	0	.93
66	MP5A	Mx	-.004	.93
67	MP5A	X	5.375	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	-.004	4.43
70	MP5B	X	7.023	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	.007	.93
73	MP5B	X	7.023	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	.007	4.43
76	MP5C	X	7.482	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	-.002	.93
79	MP5C	X	7.482	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	-.002	4.43
82	MP1A	X	.314	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-.000105	2.68
85	MP1B	X	1.068	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.000229	2.68
88	MP1C	X	1.278	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	.000213	2.68
91	MP5A	X	1.869	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	.000934	2.68
94	MP5B	X	2.406	2.68
95	MP5B	Z	0	2.68
96	MP5B	Mx	-.000773	2.68
97	MP5C	X	2.556	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	-.000639	2.68
100	MP2A	X	1.527	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	.000764	2.68
103	MP2B	X	1.527	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.000764	2.68
106	MP2C	X	1.527	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.000764	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.589	1.75
2	MP3A	Z	.917	1.75
3	MP3A	Mx	-.000794	1.75
4	MP3A	X	1.589	3.75
5	MP3A	Z	.917	3.75
6	MP3A	Mx	-.000794	3.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3B	X	2.894	1.75
8	MP3B	Z	1.671	1.75
9	MP3B	Mx	.00029	1.75
10	MP3B	X	2.894	3.75
11	MP3B	Z	1.671	3.75
12	MP3B	Mx	.00029	3.75
13	MP3C	X	1.589	1.75
14	MP3C	Z	.917	1.75
15	MP3C	Mx	.000794	1.75
16	MP3C	X	1.589	3.75
17	MP3C	Z	.917	3.75
18	MP3C	Mx	.000794	3.75
19	MP4A	X	1.497	3
20	MP4A	Z	.864	3
21	MP4A	Mx	.000461	3
22	MP4B	X	1.494	3
23	MP4B	Z	.862	3
24	MP4B	Mx	.000416	3
25	MP4C	X	1.497	3
26	MP4C	Z	.864	3
27	MP4C	Mx	-.001	3
28	MP4A	X	1.497	3
29	MP4A	Z	.864	3
30	MP4A	Mx	.001	3
31	MP4B	X	1.494	3
32	MP4B	Z	.862	3
33	MP4B	Mx	-.000716	3
34	MP4C	X	1.497	3
35	MP4C	Z	.864	3
36	MP4C	Mx	-.00046	3
37	MP5A	X	.443	1.5
38	MP5A	Z	.256	1.5
39	MP5A	Mx	.000111	1.5
40	MP5B	X	.57	1.5
41	MP5B	Z	.329	1.5
42	MP5B	Mx	-2.9e-5	1.5
43	MP5C	X	.443	1.5
44	MP5C	Z	.256	1.5
45	MP5C	Mx	-.000111	1.5
46	MP5A	X	5.263	.93
47	MP5A	Z	3.039	.93
48	MP5A	Mx	-.002	.93
49	MP5A	X	5.263	4.43
50	MP5A	Z	3.039	4.43
51	MP5A	Mx	-.002	4.43
52	MP5B	X	7.014	.93
53	MP5B	Z	4.05	.93
54	MP5B	Mx	-.004	.93
55	MP5B	X	7.014	4.43
56	MP5B	Z	4.05	4.43
57	MP5B	Mx	-.004	4.43
58	MP5C	X	5.263	.93
59	MP5C	Z	3.039	.93
60	MP5C	Mx	.006	.93
61	MP5C	X	5.263	4.43
62	MP5C	Z	3.039	4.43
63	MP5C	Mx	.006	4.43
64	MP5A	X	5.263	.93
65	MP5A	Z	3.039	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP5A	Mx	-.006	.93
67	MP5A	X	5.263	4.43
68	MP5A	Z	3.039	4.43
69	MP5A	Mx	-.006	4.43
70	MP5B	X	7.014	.93
71	MP5B	Z	4.05	.93
72	MP5B	Mx	.006	.93
73	MP5B	X	7.014	4.43
74	MP5B	Z	4.05	4.43
75	MP5B	Mx	.006	4.43
76	MP5C	X	5.263	.93
77	MP5C	Z	3.039	.93
78	MP5C	Mx	.002	.93
79	MP5C	X	5.263	4.43
80	MP5C	Z	3.039	4.43
81	MP5C	Mx	.002	4.43
82	MP1A	X	.55	2.68
83	MP1A	Z	.317	2.68
84	MP1A	Mx	-.000183	2.68
85	MP1B	X	1.351	2.68
86	MP1B	Z	.78	2.68
87	MP1B	Mx	9e-5	2.68
88	MP1C	X	.55	2.68
89	MP1C	Z	.317	2.68
90	MP1C	Mx	.000183	2.68
91	MP5A	X	1.817	2.68
92	MP5A	Z	1.049	2.68
93	MP5A	Mx	.000908	2.68
94	MP5B	X	2.388	2.68
95	MP5B	Z	1.379	2.68
96	MP5B	Mx	-.000239	2.68
97	MP5C	X	1.817	2.68
98	MP5C	Z	1.049	2.68
99	MP5C	Mx	-.000908	2.68
100	MP2A	X	1.595	2.68
101	MP2A	Z	.921	2.68
102	MP2A	Mx	.000798	2.68
103	MP2B	X	1.595	2.68
104	MP2B	Z	.921	2.68
105	MP2B	Mx	.000798	2.68
106	MP2C	X	1.595	2.68
107	MP2C	Z	.921	2.68
108	MP2C	Mx	.000798	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.441	1.75
2	MP3A	Z	2.495	1.75
3	MP3A	Mx	-.000721	1.75
4	MP3A	X	1.441	3.75
5	MP3A	Z	2.495	3.75
6	MP3A	Mx	-.000721	3.75
7	MP3B	X	1.58	1.75
8	MP3B	Z	2.736	1.75
9	MP3B	Mx	-.00054	1.75
10	MP3B	X	1.58	3.75
11	MP3B	Z	2.736	3.75
12	MP3B	Mx	-.00054	3.75



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
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 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP3C	X	.656	1.75
14	MP3C	Z	1.136	1.75
15	MP3C	Mx	.000656	1.75
16	MP3C	X	.656	3.75
17	MP3C	Z	1.136	3.75
18	MP3C	Mx	.000656	3.75
19	MP4A	X	.863	3
20	MP4A	Z	1.495	3
21	MP4A	Mx	-6.7e-5	3
22	MP4B	X	.863	3
23	MP4B	Z	1.494	3
24	MP4B	Mx	.000835	3
25	MP4C	X	.865	3
26	MP4C	Z	1.498	3
27	MP4C	Mx	-.000865	3
28	MP4A	X	.863	3
29	MP4A	Z	1.495	3
30	MP4A	Mx	.00093	3
31	MP4B	X	.863	3
32	MP4B	Z	1.494	3
33	MP4B	Mx	-.000246	3
34	MP4C	X	.865	3
35	MP4C	Z	1.498	3
36	MP4C	Mx	-.000865	3
37	MP5A	X	.307	1.5
38	MP5A	Z	.531	1.5
39	MP5A	Mx	7.7e-5	1.5
40	MP5B	X	.32	1.5
41	MP5B	Z	.555	1.5
42	MP5B	Mx	5.5e-5	1.5
43	MP5C	X	.23	1.5
44	MP5C	Z	.398	1.5
45	MP5C	Mx	-.000115	1.5
46	MP5A	X	3.741	.93
47	MP5A	Z	6.479	.93
48	MP5A	Mx	.002	.93
49	MP5A	X	3.741	4.43
50	MP5A	Z	6.479	4.43
51	MP5A	Mx	.002	4.43
52	MP5B	X	3.928	.93
53	MP5B	Z	6.803	.93
54	MP5B	Mx	-.007	.93
55	MP5B	X	3.928	4.43
56	MP5B	Z	6.803	4.43
57	MP5B	Mx	-.007	4.43
58	MP5C	X	2.688	.93
59	MP5C	Z	4.655	.93
60	MP5C	Mx	.004	.93
61	MP5C	X	2.688	4.43
62	MP5C	Z	4.655	4.43
63	MP5C	Mx	.004	4.43
64	MP5A	X	3.741	.93
65	MP5A	Z	6.479	.93
66	MP5A	Mx	-.007	.93
67	MP5A	X	3.741	4.43
68	MP5A	Z	6.479	4.43
69	MP5A	Mx	-.007	4.43
70	MP5B	X	3.928	.93
71	MP5B	Z	6.803	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP5B	Mx	.003	.93
73	MP5B	X	3.928	4.43
74	MP5B	Z	6.803	4.43
75	MP5B	Mx	.003	4.43
76	MP5C	X	2.688	.93
77	MP5C	Z	4.655	.93
78	MP5C	Mx	.004	.93
79	MP5C	X	2.688	4.43
80	MP5C	Z	4.655	4.43
81	MP5C	Mx	.004	4.43
82	MP1A	X	.639	2.68
83	MP1A	Z	1.107	2.68
84	MP1A	Mx	-.000213	2.68
85	MP1B	X	.724	2.68
86	MP1B	Z	1.255	2.68
87	MP1B	Mx	-.000165	2.68
88	MP1C	X	.157	2.68
89	MP1C	Z	.272	2.68
90	MP1C	Mx	.000105	2.68
91	MP5A	X	1.278	2.68
92	MP5A	Z	2.213	2.68
93	MP5A	Mx	.000639	2.68
94	MP5B	X	1.339	2.68
95	MP5B	Z	2.319	2.68
96	MP5B	Mx	.000458	2.68
97	MP5C	X	.934	2.68
98	MP5C	Z	1.618	2.68
99	MP5C	Mx	-.000934	2.68
100	MP2A	X	1.235	2.68
101	MP2A	Z	2.139	2.68
102	MP2A	Mx	.000618	2.68
103	MP2B	X	1.235	2.68
104	MP2B	Z	2.139	2.68
105	MP2B	Mx	.000618	2.68
106	MP2C	X	1.235	2.68
107	MP2C	Z	2.139	2.68
108	MP2C	Mx	.000618	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1.75
2	MP3A	Z	3.405	1.75
3	MP3A	Mx	0	1.75
4	MP3A	X	0	3.75
5	MP3A	Z	3.405	3.75
6	MP3A	Mx	0	3.75
7	MP3B	X	0	1.75
8	MP3B	Z	2.176	1.75
9	MP3B	Mx	-.000833	1.75
10	MP3B	X	0	3.75
11	MP3B	Z	2.176	3.75
12	MP3B	Mx	-.000833	3.75
13	MP3C	X	0	1.75
14	MP3C	Z	1.835	1.75
15	MP3C	Mx	.000795	1.75
16	MP3C	X	0	3.75
17	MP3C	Z	1.835	3.75
18	MP3C	Mx	.000795	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
19	MP4A	X	0	3
20	MP4A	Z	1.725	3
21	MP4A	Mx	-.000575	3
22	MP4B	X	0	3
23	MP4B	Z	1.728	3
24	MP4B	Mx	.001	3
25	MP4C	X	0	3
26	MP4C	Z	1.729	3
27	MP4C	Mx	-.000461	3
28	MP4A	X	0	3
29	MP4A	Z	1.725	3
30	MP4A	Mx	.000575	3
31	MP4B	X	0	3
32	MP4B	Z	1.728	3
33	MP4B	Mx	.000292	3
34	MP4C	X	0	3
35	MP4C	Z	1.729	3
36	MP4C	Mx	-.001	3
37	MP5A	X	0	1.5
38	MP5A	Z	.665	1.5
39	MP5A	Mx	0	1.5
40	MP5B	X	0	1.5
41	MP5B	Z	.545	1.5
42	MP5B	Mx	.000104	1.5
43	MP5C	X	0	1.5
44	MP5C	Z	.511	1.5
45	MP5C	Mx	-.000111	1.5
46	MP5A	X	0	.93
47	MP5A	Z	8.184	.93
48	MP5A	Mx	.005	.93
49	MP5A	X	0	4.43
50	MP5A	Z	8.184	4.43
51	MP5A	Mx	.005	4.43
52	MP5B	X	0	.93
53	MP5B	Z	6.536	.93
54	MP5B	Mx	-.007	.93
55	MP5B	X	0	4.43
56	MP5B	Z	6.536	4.43
57	MP5B	Mx	-.007	4.43
58	MP5C	X	0	.93
59	MP5C	Z	6.077	.93
60	MP5C	Mx	.002	.93
61	MP5C	X	0	4.43
62	MP5C	Z	6.077	4.43
63	MP5C	Mx	.002	4.43
64	MP5A	X	0	.93
65	MP5A	Z	8.184	.93
66	MP5A	Mx	-.005	.93
67	MP5A	X	0	4.43
68	MP5A	Z	8.184	4.43
69	MP5A	Mx	-.005	4.43
70	MP5B	X	0	.93
71	MP5B	Z	6.536	.93
72	MP5B	Mx	-.000954	.93
73	MP5B	X	0	4.43
74	MP5B	Z	6.536	4.43
75	MP5B	Mx	-.000954	4.43
76	MP5C	X	0	.93
77	MP5C	Z	6.077	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
78	MP5C	Mx	.006	.93
79	MP5C	X	0	4.43
80	MP5C	Z	6.077	4.43
81	MP5C	Mx	.006	4.43
82	MP1A	X	0	2.68
83	MP1A	Z	1.599	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	.845	2.68
87	MP1B	Mx	-.000216	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	.635	2.68
90	MP1C	Mx	.000183	2.68
91	MP5A	X	0	2.68
92	MP5A	Z	2.785	2.68
93	MP5A	Mx	0	2.68
94	MP5B	X	0	2.68
95	MP5B	Z	2.247	2.68
96	MP5B	Mx	.000861	2.68
97	MP5C	X	0	2.68
98	MP5C	Z	2.098	2.68
99	MP5C	Mx	-.000908	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	2.785	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	2.785	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	2.785	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.441	1.75
2	MP3A	Z	2.495	1.75
3	MP3A	Mx	.000721	1.75
4	MP3A	X	-1.441	3.75
5	MP3A	Z	2.495	3.75
6	MP3A	Mx	.000721	3.75
7	MP3B	X	-.687	1.75
8	MP3B	Z	1.19	1.75
9	MP3B	Mx	-.000677	1.75
10	MP3B	X	-.687	3.75
11	MP3B	Z	1.19	3.75
12	MP3B	Mx	-.000677	3.75
13	MP3C	X	-1.441	1.75
14	MP3C	Z	2.495	1.75
15	MP3C	Mx	.00072	1.75
16	MP3C	X	-1.441	3.75
17	MP3C	Z	2.495	3.75
18	MP3C	Mx	.00072	3.75
19	MP4A	X	-.863	3
20	MP4A	Z	1.495	3
21	MP4A	Mx	-.00093	3
22	MP4B	X	-.865	3
23	MP4B	Z	1.498	3
24	MP4B	Mx	.000952	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP4C	X	- .863	3
26	MP4C	Z	1.495	3
27	MP4C	Mx	6.7e-5	3
28	MP4A	X	- .863	3
29	MP4A	Z	1.495	3
30	MP4A	Mx	6.7e-5	3
31	MP4B	X	- .865	3
32	MP4B	Z	1.498	3
33	MP4B	Mx	.000752	3
34	MP4C	X	- .863	3
35	MP4C	Z	1.495	3
36	MP4C	Mx	- .00093	3
37	MP5A	X	- .307	1.5
38	MP5A	Z	.531	1.5
39	MP5A	Mx	-7.7e-5	1.5
40	MP5B	X	- .233	1.5
41	MP5B	Z	.404	1.5
42	MP5B	Mx	.000115	1.5
43	MP5C	X	- .307	1.5
44	MP5C	Z	.531	1.5
45	MP5C	Mx	-7.7e-5	1.5
46	MP5A	X	-3.741	.93
47	MP5A	Z	6.479	.93
48	MP5A	Mx	.007	.93
49	MP5A	X	-3.741	4.43
50	MP5A	Z	6.479	4.43
51	MP5A	Mx	.007	4.43
52	MP5B	X	-2.73	.93
53	MP5B	Z	4.728	.93
54	MP5B	Mx	- .005	.93
55	MP5B	X	-2.73	4.43
56	MP5B	Z	4.728	4.43
57	MP5B	Mx	- .005	4.43
58	MP5C	X	-3.741	.93
59	MP5C	Z	6.479	.93
60	MP5C	Mx	- .002	.93
61	MP5C	X	-3.741	4.43
62	MP5C	Z	6.479	4.43
63	MP5C	Mx	- .002	4.43
64	MP5A	X	-3.741	.93
65	MP5A	Z	6.479	.93
66	MP5A	Mx	- .002	.93
67	MP5A	X	-3.741	4.43
68	MP5A	Z	6.479	4.43
69	MP5A	Mx	- .002	4.43
70	MP5B	X	-2.73	.93
71	MP5B	Z	4.728	.93
72	MP5B	Mx	- .003	.93
73	MP5B	X	-2.73	4.43
74	MP5B	Z	4.728	4.43
75	MP5B	Mx	- .003	4.43
76	MP5C	X	-3.741	.93
77	MP5C	Z	6.479	.93
78	MP5C	Mx	.007	.93
79	MP5C	X	-3.741	4.43
80	MP5C	Z	6.479	4.43
81	MP5C	Mx	.007	4.43
82	MP1A	X	- .639	2.68
83	MP1A	Z	1.107	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP1A	Mx	.000213	2.68
85	MP1B	X	-.176	2.68
86	MP1B	Z	.305	2.68
87	MP1B	Mx	-.000116	2.68
88	MP1C	X	-.639	2.68
89	MP1C	Z	1.107	2.68
90	MP1C	Mx	.000213	2.68
91	MP5A	X	-1.278	2.68
92	MP5A	Z	2.213	2.68
93	MP5A	Mx	-.000639	2.68
94	MP5B	X	-.948	2.68
95	MP5B	Z	1.642	2.68
96	MP5B	Mx	.000934	2.68
97	MP5C	X	-1.278	2.68
98	MP5C	Z	2.213	2.68
99	MP5C	Mx	-.000639	2.68
100	MP2A	X	-1.235	2.68
101	MP2A	Z	2.139	2.68
102	MP2A	Mx	-.000618	2.68
103	MP2B	X	-1.235	2.68
104	MP2B	Z	2.139	2.68
105	MP2B	Mx	-.000618	2.68
106	MP2C	X	-1.235	2.68
107	MP2C	Z	2.139	2.68
108	MP2C	Mx	-.000618	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.589	1.75
2	MP3A	Z	.917	1.75
3	MP3A	Mx	.000794	1.75
4	MP3A	X	-1.589	3.75
5	MP3A	Z	.917	3.75
6	MP3A	Mx	.000794	3.75
7	MP3B	X	-1.348	1.75
8	MP3B	Z	.778	1.75
9	MP3B	Mx	-.000731	1.75
10	MP3B	X	-1.348	3.75
11	MP3B	Z	.778	3.75
12	MP3B	Mx	-.000731	3.75
13	MP3C	X	-2.949	1.75
14	MP3C	Z	1.702	1.75
15	MP3C	Mx	0	1.75
16	MP3C	X	-2.949	3.75
17	MP3C	Z	1.702	3.75
18	MP3C	Mx	0	3.75
19	MP4A	X	-1.497	3
20	MP4A	Z	.864	3
21	MP4A	Mx	-.001	3
22	MP4B	X	-1.498	3
23	MP4B	Z	.865	3
24	MP4B	Mx	.000616	3
25	MP4C	X	-1.494	3
26	MP4C	Z	.862	3
27	MP4C	Mx	.000575	3
28	MP4A	X	-1.497	3
29	MP4A	Z	.864	3
30	MP4A	Mx	-.000461	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP4B	X	-1.498	3
32	MP4B	Z	.865	3
33	MP4B	Mx	.001	3
34	MP4C	X	-1.494	3
35	MP4C	Z	.862	3
36	MP4C	Mx	-.000575	3
37	MP5A	X	-.443	1.5
38	MP5A	Z	.256	1.5
39	MP5A	Mx	-.000111	1.5
40	MP5B	X	-.419	1.5
41	MP5B	Z	.242	1.5
42	MP5B	Mx	.000114	1.5
43	MP5C	X	-.576	1.5
44	MP5C	Z	.332	1.5
45	MP5C	Mx	0	1.5
46	MP5A	X	-5.263	.93
47	MP5A	Z	3.039	.93
48	MP5A	Mx	.006	.93
49	MP5A	X	-5.263	4.43
50	MP5A	Z	3.039	4.43
51	MP5A	Mx	.006	4.43
52	MP5B	X	-4.939	.93
53	MP5B	Z	2.852	.93
54	MP5B	Mx	-.003	.93
55	MP5B	X	-4.939	4.43
56	MP5B	Z	2.852	4.43
57	MP5B	Mx	-.003	4.43
58	MP5C	X	-7.087	.93
59	MP5C	Z	4.092	.93
60	MP5C	Mx	-.005	.93
61	MP5C	X	-7.087	4.43
62	MP5C	Z	4.092	4.43
63	MP5C	Mx	-.005	4.43
64	MP5A	X	-5.263	.93
65	MP5A	Z	3.039	.93
66	MP5A	Mx	.002	.93
67	MP5A	X	-5.263	4.43
68	MP5A	Z	3.039	4.43
69	MP5A	Mx	.002	4.43
70	MP5B	X	-4.939	.93
71	MP5B	Z	2.852	.93
72	MP5B	Mx	-.005	.93
73	MP5B	X	-4.939	4.43
74	MP5B	Z	2.852	4.43
75	MP5B	Mx	-.005	4.43
76	MP5C	X	-7.087	.93
77	MP5C	Z	4.092	.93
78	MP5C	Mx	.005	.93
79	MP5C	X	-7.087	4.43
80	MP5C	Z	4.092	4.43
81	MP5C	Mx	.005	4.43
82	MP1A	X	-.55	2.68
83	MP1A	Z	.317	2.68
84	MP1A	Mx	.000183	2.68
85	MP1B	X	-.402	2.68
86	MP1B	Z	.232	2.68
87	MP1B	Mx	-.000145	2.68
88	MP1C	X	-1.385	2.68
89	MP1C	Z	.8	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1C	Mx	0	2.68
91	MP5A	X	-1.817	2.68
92	MP5A	Z	1.049	2.68
93	MP5A	Mx	-.000908	2.68
94	MP5B	X	-1.711	2.68
95	MP5B	Z	.988	2.68
96	MP5B	Mx	.000928	2.68
97	MP5C	X	-2.412	2.68
98	MP5C	Z	1.392	2.68
99	MP5C	Mx	0	2.68
100	MP2A	X	-1.595	2.68
101	MP2A	Z	.921	2.68
102	MP2A	Mx	-.000798	2.68
103	MP2B	X	-1.595	2.68
104	MP2B	Z	.921	2.68
105	MP2B	Mx	-.000798	2.68
106	MP2C	X	-1.595	2.68
107	MP2C	Z	.921	2.68
108	MP2C	Mx	-.000798	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.311	1.75
2	MP3A	Z	0	1.75
3	MP3A	Mx	.000655	1.75
4	MP3A	X	-1.311	3.75
5	MP3A	Z	0	3.75
6	MP3A	Mx	.000655	3.75
7	MP3B	X	-2.54	1.75
8	MP3B	Z	0	1.75
9	MP3B	Mx	-.000816	1.75
10	MP3B	X	-2.54	3.75
11	MP3B	Z	0	3.75
12	MP3B	Mx	-.000816	3.75
13	MP3C	X	-2.881	1.75
14	MP3C	Z	0	1.75
15	MP3C	Mx	-.00072	1.75
16	MP3C	X	-2.881	3.75
17	MP3C	Z	0	3.75
18	MP3C	Mx	-.00072	3.75
19	MP4A	X	-1.73	3
20	MP4A	Z	0	3
21	MP4A	Mx	-.000865	3
22	MP4B	X	-1.727	3
23	MP4B	Z	0	3
24	MP4B	Mx	.000114	3
25	MP4C	X	-1.726	3
26	MP4C	Z	0	3
27	MP4C	Mx	.00093	3
28	MP4A	X	-1.73	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.000865	3
31	MP4B	X	-1.727	3
32	MP4B	Z	0	3
33	MP4B	Mx	.000996	3
34	MP4C	X	-1.726	3
35	MP4C	Z	0	3
36	MP4C	Mx	-6.7e-5	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP5A	X	-.46	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.000115	1.5
40	MP5B	X	-.58	1.5
41	MP5B	Z	0	1.5
42	MP5B	Mx	9.3e-5	1.5
43	MP5C	X	-.614	1.5
44	MP5C	Z	0	1.5
45	MP5C	Mx	7.7e-5	1.5
46	MP5A	X	-5.375	.93
47	MP5A	Z	0	.93
48	MP5A	Mx	.004	.93
49	MP5A	X	-5.375	4.43
50	MP5A	Z	0	4.43
51	MP5A	Mx	.004	4.43
52	MP5B	X	-7.023	.93
53	MP5B	Z	0	.93
54	MP5B	Mx	.000201	.93
55	MP5B	X	-7.023	4.43
56	MP5B	Z	0	4.43
57	MP5B	Mx	.000201	4.43
58	MP5C	X	-7.482	.93
59	MP5C	Z	0	.93
60	MP5C	Mx	-.007	.93
61	MP5C	X	-7.482	4.43
62	MP5C	Z	0	4.43
63	MP5C	Mx	-.007	4.43
64	MP5A	X	-5.375	.93
65	MP5A	Z	0	.93
66	MP5A	Mx	.004	.93
67	MP5A	X	-5.375	4.43
68	MP5A	Z	0	4.43
69	MP5A	Mx	.004	4.43
70	MP5B	X	-7.023	.93
71	MP5B	Z	0	.93
72	MP5B	Mx	-.007	.93
73	MP5B	X	-7.023	4.43
74	MP5B	Z	0	4.43
75	MP5B	Mx	-.007	4.43
76	MP5C	X	-7.482	.93
77	MP5C	Z	0	.93
78	MP5C	Mx	.002	.93
79	MP5C	X	-7.482	4.43
80	MP5C	Z	0	4.43
81	MP5C	Mx	.002	4.43
82	MP1A	X	-.314	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	.000105	2.68
85	MP1B	X	-1.068	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.000229	2.68
88	MP1C	X	-1.278	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.000213	2.68
91	MP5A	X	-1.869	2.68
92	MP5A	Z	0	2.68
93	MP5A	Mx	-.000934	2.68
94	MP5B	X	-2.406	2.68
95	MP5B	Z	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP5B	Mx	.000773	2.68
97	MP5C	X	-2.556	2.68
98	MP5C	Z	0	2.68
99	MP5C	Mx	.000639	2.68
100	MP2A	X	-1.527	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.000764	2.68
103	MP2B	X	-1.527	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.000764	2.68
106	MP2C	X	-1.527	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.000764	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.589	1.75
2	MP3A	Z	-.917	1.75
3	MP3A	Mx	.000794	1.75
4	MP3A	X	-1.589	3.75
5	MP3A	Z	-.917	3.75
6	MP3A	Mx	.000794	3.75
7	MP3B	X	-2.894	1.75
8	MP3B	Z	-1.671	1.75
9	MP3B	Mx	-.00029	1.75
10	MP3B	X	-2.894	3.75
11	MP3B	Z	-1.671	3.75
12	MP3B	Mx	-.00029	3.75
13	MP3C	X	-1.589	1.75
14	MP3C	Z	-.917	1.75
15	MP3C	Mx	-.000794	1.75
16	MP3C	X	-1.589	3.75
17	MP3C	Z	-.917	3.75
18	MP3C	Mx	-.000794	3.75
19	MP4A	X	-1.497	3
20	MP4A	Z	-.864	3
21	MP4A	Mx	-.000461	3
22	MP4B	X	-1.494	3
23	MP4B	Z	-.862	3
24	MP4B	Mx	-.000416	3
25	MP4C	X	-1.497	3
26	MP4C	Z	-.864	3
27	MP4C	Mx	.001	3
28	MP4A	X	-1.497	3
29	MP4A	Z	-.864	3
30	MP4A	Mx	-.001	3
31	MP4B	X	-1.494	3
32	MP4B	Z	-.862	3
33	MP4B	Mx	.000716	3
34	MP4C	X	-1.497	3
35	MP4C	Z	-.864	3
36	MP4C	Mx	.00046	3
37	MP5A	X	-.443	1.5
38	MP5A	Z	-.256	1.5
39	MP5A	Mx	-.000111	1.5
40	MP5B	X	-.57	1.5
41	MP5B	Z	-.329	1.5
42	MP5B	Mx	2.9e-5	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5C	X	-443	1.5
44	MP5C	Z	-256	1.5
45	MP5C	Mx	.000111	1.5
46	MP5A	X	-5.263	.93
47	MP5A	Z	-3.039	.93
48	MP5A	Mx	.002	.93
49	MP5A	X	-5.263	4.43
50	MP5A	Z	-3.039	4.43
51	MP5A	Mx	.002	4.43
52	MP5B	X	-7.014	.93
53	MP5B	Z	-4.05	.93
54	MP5B	Mx	.004	.93
55	MP5B	X	-7.014	4.43
56	MP5B	Z	-4.05	4.43
57	MP5B	Mx	.004	4.43
58	MP5C	X	-5.263	.93
59	MP5C	Z	-3.039	.93
60	MP5C	Mx	-.006	.93
61	MP5C	X	-5.263	4.43
62	MP5C	Z	-3.039	4.43
63	MP5C	Mx	-.006	4.43
64	MP5A	X	-5.263	.93
65	MP5A	Z	-3.039	.93
66	MP5A	Mx	.006	.93
67	MP5A	X	-5.263	4.43
68	MP5A	Z	-3.039	4.43
69	MP5A	Mx	.006	4.43
70	MP5B	X	-7.014	.93
71	MP5B	Z	-4.05	.93
72	MP5B	Mx	-.006	.93
73	MP5B	X	-7.014	4.43
74	MP5B	Z	-4.05	4.43
75	MP5B	Mx	-.006	4.43
76	MP5C	X	-5.263	.93
77	MP5C	Z	-3.039	.93
78	MP5C	Mx	-.002	.93
79	MP5C	X	-5.263	4.43
80	MP5C	Z	-3.039	4.43
81	MP5C	Mx	-.002	4.43
82	MP1A	X	-.55	2.68
83	MP1A	Z	-.317	2.68
84	MP1A	Mx	.000183	2.68
85	MP1B	X	-1.351	2.68
86	MP1B	Z	-.78	2.68
87	MP1B	Mx	-9e-5	2.68
88	MP1C	X	-.55	2.68
89	MP1C	Z	-.317	2.68
90	MP1C	Mx	-.000183	2.68
91	MP5A	X	-1.817	2.68
92	MP5A	Z	-1.049	2.68
93	MP5A	Mx	-.000908	2.68
94	MP5B	X	-2.388	2.68
95	MP5B	Z	-1.379	2.68
96	MP5B	Mx	.000239	2.68
97	MP5C	X	-1.817	2.68
98	MP5C	Z	-1.049	2.68
99	MP5C	Mx	.000908	2.68
100	MP2A	X	-1.595	2.68
101	MP2A	Z	-.921	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	MP2A	Mx	-0.000798	2.68
103	MP2B	X	-1.595	2.68
104	MP2B	Z	-.921	2.68
105	MP2B	Mx	-0.000798	2.68
106	MP2C	X	-1.595	2.68
107	MP2C	Z	-.921	2.68
108	MP2C	Mx	-0.000798	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.441	1.75
2	MP3A	Z	-2.495	1.75
3	MP3A	Mx	.000721	1.75
4	MP3A	X	-1.441	3.75
5	MP3A	Z	-2.495	3.75
6	MP3A	Mx	.000721	3.75
7	MP3B	X	-1.58	1.75
8	MP3B	Z	-2.736	1.75
9	MP3B	Mx	.00054	1.75
10	MP3B	X	-1.58	3.75
11	MP3B	Z	-2.736	3.75
12	MP3B	Mx	.00054	3.75
13	MP3C	X	-.656	1.75
14	MP3C	Z	-1.136	1.75
15	MP3C	Mx	-.000656	1.75
16	MP3C	X	-.656	3.75
17	MP3C	Z	-1.136	3.75
18	MP3C	Mx	-.000656	3.75
19	MP4A	X	-.863	3
20	MP4A	Z	-1.495	3
21	MP4A	Mx	6.7e-5	3
22	MP4B	X	-.863	3
23	MP4B	Z	-1.494	3
24	MP4B	Mx	-.000835	3
25	MP4C	X	-.865	3
26	MP4C	Z	-1.498	3
27	MP4C	Mx	.000865	3
28	MP4A	X	-.863	3
29	MP4A	Z	-1.495	3
30	MP4A	Mx	-.00093	3
31	MP4B	X	-.863	3
32	MP4B	Z	-1.494	3
33	MP4B	Mx	.000246	3
34	MP4C	X	-.865	3
35	MP4C	Z	-1.498	3
36	MP4C	Mx	.000865	3
37	MP5A	X	-.307	1.5
38	MP5A	Z	-.531	1.5
39	MP5A	Mx	-7.7e-5	1.5
40	MP5B	X	-.32	1.5
41	MP5B	Z	-.555	1.5
42	MP5B	Mx	-5.5e-5	1.5
43	MP5C	X	-.23	1.5
44	MP5C	Z	-.398	1.5
45	MP5C	Mx	.000115	1.5
46	MP5A	X	-3.741	.93
47	MP5A	Z	-6.479	.93
48	MP5A	Mx	-.002	.93

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP5A	X	-3.741	4.43
50	MP5A	Z	-6.479	4.43
51	MP5A	Mx	-.002	4.43
52	MP5B	X	-3.928	.93
53	MP5B	Z	-6.803	.93
54	MP5B	Mx	.007	.93
55	MP5B	X	-3.928	4.43
56	MP5B	Z	-6.803	4.43
57	MP5B	Mx	.007	4.43
58	MP5C	X	-2.688	.93
59	MP5C	Z	-4.655	.93
60	MP5C	Mx	-.004	.93
61	MP5C	X	-2.688	4.43
62	MP5C	Z	-4.655	4.43
63	MP5C	Mx	-.004	4.43
64	MP5A	X	-3.741	.93
65	MP5A	Z	-6.479	.93
66	MP5A	Mx	.007	.93
67	MP5A	X	-3.741	4.43
68	MP5A	Z	-6.479	4.43
69	MP5A	Mx	.007	4.43
70	MP5B	X	-3.928	.93
71	MP5B	Z	-6.803	.93
72	MP5B	Mx	-.003	.93
73	MP5B	X	-3.928	4.43
74	MP5B	Z	-6.803	4.43
75	MP5B	Mx	-.003	4.43
76	MP5C	X	-2.688	.93
77	MP5C	Z	-4.655	.93
78	MP5C	Mx	-.004	.93
79	MP5C	X	-2.688	4.43
80	MP5C	Z	-4.655	4.43
81	MP5C	Mx	-.004	4.43
82	MP1A	X	-.639	2.68
83	MP1A	Z	-1.107	2.68
84	MP1A	Mx	.000213	2.68
85	MP1B	X	-.724	2.68
86	MP1B	Z	-1.255	2.68
87	MP1B	Mx	.000165	2.68
88	MP1C	X	-.157	2.68
89	MP1C	Z	-.272	2.68
90	MP1C	Mx	-.000105	2.68
91	MP5A	X	-1.278	2.68
92	MP5A	Z	-2.213	2.68
93	MP5A	Mx	-.000639	2.68
94	MP5B	X	-1.339	2.68
95	MP5B	Z	-2.319	2.68
96	MP5B	Mx	-.000458	2.68
97	MP5C	X	-.934	2.68
98	MP5C	Z	-1.618	2.68
99	MP5C	Mx	.000934	2.68
100	MP2A	X	-1.235	2.68
101	MP2A	Z	-2.139	2.68
102	MP2A	Mx	-.000618	2.68
103	MP2B	X	-1.235	2.68
104	MP2B	Z	-2.139	2.68
105	MP2B	Mx	-.000618	2.68
106	MP2C	X	-1.235	2.68
107	MP2C	Z	-2.139	2.68



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	MP2C	Mx	-.000618	2.68

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%39

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%7

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-1.339	1.75
2	MP3A	My	-.000669	1.75
3	MP3A	Mz	0	1.75
4	MP3A	Y	-1.339	3.75
5	MP3A	My	-.000669	3.75
6	MP3A	Mz	0	3.75
7	MP3B	Y	-1.339	1.75
8	MP3B	My	.00043	1.75
9	MP3B	Mz	-.000513	1.75
10	MP3B	Y	-1.339	3.75
11	MP3B	My	.00043	3.75
12	MP3B	Mz	-.000513	3.75
13	MP3C	Y	-1.339	1.75
14	MP3C	My	.000335	1.75
15	MP3C	Mz	.00058	1.75
16	MP3C	Y	-1.339	3.75
17	MP3C	My	.000335	3.75
18	MP3C	Mz	.00058	3.75
19	MP4A	Y	-.822	3
20	MP4A	My	.000411	3
21	MP4A	Mz	-.000274	3
22	MP4B	Y	-.822	3
23	MP4B	My	-5.4e-5	3
24	MP4B	Mz	.000491	3
25	MP4C	Y	-.822	3
26	MP4C	My	-.000443	3
27	MP4C	Mz	-.000219	3
28	MP4A	Y	-.822	3
29	MP4A	My	.000411	3
30	MP4A	Mz	.000274	3
31	MP4B	Y	-.822	3
32	MP4B	My	-.000474	3
33	MP4B	Mz	.000139	3
34	MP4C	Y	-.822	3
35	MP4C	My	3.2e-5	3
36	MP4C	Mz	-.000493	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
37	MP5A	Y	-486	1.5
38	MP5A	My	.000121	1.5
39	MP5A	Mz	0	1.5
40	MP5B	Y	-486	1.5
41	MP5B	My	-7.8e-5	1.5
42	MP5B	Mz	9.3e-5	1.5
43	MP5C	Y	-486	1.5
44	MP5C	My	-6.1e-5	1.5
45	MP5C	Mz	-0.00105	1.5
46	MP5A	Y	-1.479	.93
47	MP5A	My	-.001	.93
48	MP5A	Mz	.000986	.93
49	MP5A	Y	-1.479	4.43
50	MP5A	My	-.001	4.43
51	MP5A	Mz	.000986	4.43
52	MP5B	Y	-1.479	.93
53	MP5B	My	-4.2e-5	.93
54	MP5B	Mz	-.001	.93
55	MP5B	Y	-1.479	4.43
56	MP5B	My	-4.2e-5	4.43
57	MP5B	Mz	-.001	4.43
58	MP5C	Y	-1.479	.93
59	MP5C	My	.001	.93
60	MP5C	Mz	.000468	.93
61	MP5C	Y	-1.479	4.43
62	MP5C	My	.001	4.43
63	MP5C	Mz	.000468	4.43
64	MP5A	Y	-1.479	.93
65	MP5A	My	.001	.93
66	MP5A	Mz	-.000986	.93
67	MP5A	Y	-1.479	4.43
68	MP5A	My	-.001	4.43
69	MP5A	Mz	-.000986	4.43
70	MP5B	Y	-1.479	.93
71	MP5B	My	.001	.93
72	MP5B	Mz	-.000216	.93
73	MP5B	Y	-1.479	4.43
74	MP5B	My	.001	4.43
75	MP5B	Mz	-.000216	4.43
76	MP5C	Y	-1.479	.93
77	MP5C	My	-.000299	.93
78	MP5C	Mz	.001	.93
79	MP5C	Y	-1.479	4.43
80	MP5C	My	-.000299	4.43
81	MP5C	Mz	.001	4.43
82	MP1A	Y	-.206	2.68
83	MP1A	My	-6.9e-5	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	-.206	2.68
86	MP1B	My	4.4e-5	2.68
87	MP1B	Mz	-5.2e-5	2.68
88	MP1C	Y	-.206	2.68
89	MP1C	My	3.4e-5	2.68
90	MP1C	Mz	5.9e-5	2.68
91	MP5A	Y	-3.943	2.68
92	MP5A	My	.002	2.68
93	MP5A	Mz	0	2.68
94	MP5B	Y	-3.943	2.68
95	MP5B	My	-.001	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP5B	Mz	.002	2.68
97	MP5C	Y	-3.943	2.68
98	MP5C	My	-.000986	2.68
99	MP5C	Mz	-.002	2.68
100	MP2A	Y	-3.284	2.68
101	MP2A	My	.002	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	-3.284	2.68
104	MP2B	My	.002	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	-3.284	2.68
107	MP2C	My	.002	2.68
108	MP2C	Mz	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-3.346	1.75
2	MP3A	Mx	0	1.75
3	MP3A	Z	-3.346	3.75
4	MP3A	Mx	0	3.75
5	MP3B	Z	-3.346	1.75
6	MP3B	Mx	.001	1.75
7	MP3B	Z	-3.346	3.75
8	MP3B	Mx	.001	3.75
9	MP3C	Z	-3.346	1.75
10	MP3C	Mx	-.001	1.75
11	MP3C	Z	-3.346	3.75
12	MP3C	Mx	-.001	3.75
13	MP4A	Z	-2.056	3
14	MP4A	Mx	.000685	3
15	MP4B	Z	-2.056	3
16	MP4B	Mx	-.001	3
17	MP4C	Z	-2.056	3
18	MP4C	Mx	.000548	3
19	MP4A	Z	-2.056	3
20	MP4A	Mx	-.000685	3
21	MP4B	Z	-2.056	3
22	MP4B	Mx	-.000347	3
23	MP4C	Z	-2.056	3
24	MP4C	Mx	.001	3
25	MP5A	Z	-1.215	1.5
26	MP5A	Mx	0	1.5
27	MP5B	Z	-1.215	1.5
28	MP5B	Mx	-.000233	1.5
29	MP5C	Z	-1.215	1.5
30	MP5C	Mx	.000263	1.5
31	MP5A	Z	-3.697	.93
32	MP5A	Mx	-.002	.93
33	MP5A	Z	-3.697	4.43
34	MP5A	Mx	-.002	4.43
35	MP5B	Z	-3.697	.93
36	MP5B	Mx	.004	.93
37	MP5B	Z	-3.697	4.43
38	MP5B	Mx	.004	4.43
39	MP5C	Z	-3.697	.93
40	MP5C	Mx	-.001	.93
41	MP5C	Z	-3.697	4.43
42	MP5C	Mx	-.001	4.43

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP5A	Z	-3.697	.93
44	MP5A	Mx	.002	.93
45	MP5A	Z	-3.697	4.43
46	MP5A	Mx	.002	4.43
47	MP5B	Z	-3.697	.93
48	MP5B	Mx	.00054	.93
49	MP5B	Z	-3.697	4.43
50	MP5B	Mx	.00054	4.43
51	MP5C	Z	-3.697	.93
52	MP5C	Mx	-.004	.93
53	MP5C	Z	-3.697	4.43
54	MP5C	Mx	-.004	4.43
55	MP1A	Z	-.514	2.68
56	MP1A	Mx	0	2.68
57	MP1B	Z	-.514	2.68
58	MP1B	Mx	.000131	2.68
59	MP1C	Z	-.514	2.68
60	MP1C	Mx	-.000148	2.68
61	MP5A	Z	-9.858	2.68
62	MP5A	Mx	0	2.68
63	MP5B	Z	-9.858	2.68
64	MP5B	Mx	-.004	2.68
65	MP5C	Z	-9.858	2.68
66	MP5C	Mx	.004	2.68
67	MP2A	Z	-8.211	2.68
68	MP2A	Mx	0	2.68
69	MP2B	Z	-8.211	2.68
70	MP2B	Mx	0	2.68
71	MP2C	Z	-8.211	2.68
72	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	3.346	1.75
2	MP3A	Mx	-.002	1.75
3	MP3A	X	3.346	3.75
4	MP3A	Mx	-.002	3.75
5	MP3B	X	3.346	1.75
6	MP3B	Mx	.001	1.75
7	MP3B	X	3.346	3.75
8	MP3B	Mx	.001	3.75
9	MP3C	X	3.346	1.75
10	MP3C	Mx	.000837	1.75
11	MP3C	X	3.346	3.75
12	MP3C	Mx	.000837	3.75
13	MP4A	X	2.056	3
14	MP4A	Mx	.001	3
15	MP4B	X	2.056	3
16	MP4B	Mx	-.000136	3
17	MP4C	X	2.056	3
18	MP4C	Mx	-.001	3
19	MP4A	X	2.056	3
20	MP4A	Mx	.001	3
21	MP4B	X	2.056	3
22	MP4B	Mx	-.001	3
23	MP4C	X	2.056	3
24	MP4C	Mx	8e-5	3
25	MP5A	X	1.215	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP5A	Mx	.000304	1.5
27	MP5B	X	1.215	1.5
28	MP5B	Mx	-.000195	1.5
29	MP5C	X	1.215	1.5
30	MP5C	Mx	-.000152	1.5
31	MP5A	X	3.697	.93
32	MP5A	Mx	-.003	.93
33	MP5A	X	3.697	4.43
34	MP5A	Mx	-.003	4.43
35	MP5B	X	3.697	.93
36	MP5B	Mx	-.000106	.93
37	MP5B	X	3.697	4.43
38	MP5B	Mx	-.000106	4.43
39	MP5C	X	3.697	.93
40	MP5C	Mx	.004	.93
41	MP5C	X	3.697	4.43
42	MP5C	Mx	.004	4.43
43	MP5A	X	3.697	.93
44	MP5A	Mx	-.003	.93
45	MP5A	X	3.697	4.43
46	MP5A	Mx	-.003	4.43
47	MP5B	X	3.697	.93
48	MP5B	Mx	.004	.93
49	MP5B	X	3.697	4.43
50	MP5B	Mx	.004	4.43
51	MP5C	X	3.697	.93
52	MP5C	Mx	-.000748	.93
53	MP5C	X	3.697	4.43
54	MP5C	Mx	-.000748	4.43
55	MP1A	X	.514	2.68
56	MP1A	Mx	-.000171	2.68
57	MP1B	X	.514	2.68
58	MP1B	Mx	.00011	2.68
59	MP1C	X	.514	2.68
60	MP1C	Mx	8.6e-5	2.68
61	MP5A	X	9.858	2.68
62	MP5A	Mx	.005	2.68
63	MP5B	X	9.858	2.68
64	MP5B	Mx	-.003	2.68
65	MP5C	X	9.858	2.68
66	MP5C	Mx	-.002	2.68
67	MP2A	X	8.211	2.68
68	MP2A	Mx	.004	2.68
69	MP2B	X	8.211	2.68
70	MP2B	Mx	.004	2.68
71	MP2C	X	8.211	2.68
72	MP2C	Mx	.004	2.68

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..End Location[ft...
1	M1	Y	-7.103	-7.103	0 %100
2	M7	Y	-7.103	-7.103	0 %100
3	M12	Y	-9.929	-9.929	0 %100
4	M13	Y	-8.987	-8.987	0 %100
5	M26	Y	-4.616	-4.616	0 %100
6	MP1A	Y	-4.616	-4.616	0 %100
7	M58A	Y	-9.929	-9.929	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
8	M59A	Y	-8.987	-8.987	0	%100
9	M64B	Y	-9.929	-9.929	0	%100
10	M65B	Y	-8.987	-8.987	0	%100
11	M65C	Y	-7.103	-7.103	0	%100
12	M66A	Y	-7.103	-7.103	0	%100
13	M65D	Y	-7.103	-7.103	0	%100
14	M66B	Y	-7.103	-7.103	0	%100
15	MP2A	Y	-4.616	-4.616	0	%100
16	MP3A	Y	-4.616	-4.616	0	%100
17	MP5A	Y	-4.616	-4.616	0	%100
18	M33	Y	-4.616	-4.616	0	%100
19	MP1C	Y	-4.616	-4.616	0	%100
20	MP2C	Y	-4.616	-4.616	0	%100
21	MP5C	Y	-4.616	-4.616	0	%100
22	M46	Y	-4.616	-4.616	0	%100
23	MP1B	Y	-4.616	-4.616	0	%100
24	MP2B	Y	-4.616	-4.616	0	%100
25	MP5B	Y	-4.616	-4.616	0	%100
26	M58	Y	-9.444	-9.444	0	%100
27	M59	Y	-9.444	-9.444	0	%100
28	M60	Y	-9.444	-9.444	0	%100
29	M68	Y	-6.161	-6.161	0	%100
30	M70	Y	-8.987	-8.987	0	%100
31	M71A	Y	-6.114	-6.114	0	%100
32	M73	Y	-6.161	-6.161	0	%100
33	M74	Y	-6.161	-6.161	0	%100
34	M75	Y	-8.987	-8.987	0	%100
35	M76	Y	-6.114	-6.114	0	%100
36	M80	Y	-8.987	-8.987	0	%100
37	M81	Y	-6.114	-6.114	0	%100
38	M85	Y	-8.611	-8.611	0	%100
39	M86	Y	-8.611	-8.611	0	%100
40	M87	Y	-8.611	-8.611	0	%100
41	MP3C	Y	-4.616	-4.616	0	%100
42	MP3B	Y	-4.616	-4.616	0	%100
43	MP4A	Y	-4.616	-4.616	0	%100
44	MP4C	Y	-4.616	-4.616	0	%100
45	MP4B	Y	-4.616	-4.616	0	%100
46	M89A	Y	-6.161	-6.161	0	%100
47	M90	Y	-6.161	-6.161	0	%100
48	M91A	Y	-6.161	-6.161	0	%100
49	M94A	Y	-6.161	-6.161	0	%100
50	M95A	Y	-6.161	-6.161	0	%100
51	M96	Y	-6.161	-6.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	0	0	0	%100
2	M1	Z	-14.373	-14.373	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-14.373	-14.373	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-6.827	-6.827	0	%100
11	MP1A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksfl	End Magnitude[lb/ft.F,ksfl	Start Locationft...	End Locationft...
12	MP1A	Z	-6.827	-6.827	0 %100
13	M58A	X	0	0	0 %100
14	M58A	Z	-7.973	-7.973	0 %100
15	M59A	X	0	0	0 %100
16	M59A	Z	-6.169	-6.169	0 %100
17	M64B	X	0	0	0 %100
18	M64B	Z	-7.973	-7.973	0 %100
19	M65B	X	0	0	0 %100
20	M65B	Z	-6.169	-6.169	0 %100
21	M65C	X	0	0	0 %100
22	M65C	Z	-3.593	-3.593	0 %100
23	M66A	X	0	0	0 %100
24	M66A	Z	-3.593	-3.593	0 %100
25	M65D	X	0	0	0 %100
26	M65D	Z	-3.593	-3.593	0 %100
27	M66B	X	0	0	0 %100
28	M66B	Z	-3.593	-3.593	0 %100
29	MP2A	X	0	0	0 %100
30	MP2A	Z	-6.827	-6.827	0 %100
31	MP3A	X	0	0	0 %100
32	MP3A	Z	-6.827	-6.827	0 %100
33	MP5A	X	0	0	0 %100
34	MP5A	Z	-6.827	-6.827	0 %100
35	M33	X	0	0	0 %100
36	M33	Z	-1.707	-1.707	0 %100
37	MP1C	X	0	0	0 %100
38	MP1C	Z	-6.827	-6.827	0 %100
39	MP2C	X	0	0	0 %100
40	MP2C	Z	-6.827	-6.827	0 %100
41	MP5C	X	0	0	0 %100
42	MP5C	Z	-6.827	-6.827	0 %100
43	M46	X	0	0	0 %100
44	M46	Z	-1.707	-1.707	0 %100
45	MP1B	X	0	0	0 %100
46	MP1B	Z	-6.827	-6.827	0 %100
47	MP2B	X	0	0	0 %100
48	MP2B	Z	-6.827	-6.827	0 %100
49	MP5B	X	0	0	0 %100
50	MP5B	Z	-6.827	-6.827	0 %100
51	M58	X	0	0	0 %100
52	M58	Z	-8.983	-8.983	0 %100
53	M59	X	0	0	0 %100
54	M59	Z	-8.983	-8.983	0 %100
55	M60	X	0	0	0 %100
56	M60	Z	0	0	0 %100
57	M68	X	0	0	0 %100
58	M68	Z	-1.707	-1.707	0 %100
59	M70	X	0	0	0 %100
60	M70	Z	0	0	0 %100
61	M71A	X	0	0	0 %100
62	M71A	Z	-8.597	-8.597	0 %100
63	M73	X	0	0	0 %100
64	M73	Z	-10.715	-10.715	0 %100
65	M74	X	0	0	0 %100
66	M74	Z	-10.843	-10.843	0 %100
67	M75	X	0	0	0 %100
68	M75	Z	-6.109	-6.109	0 %100
69	M76	X	0	0	0 %100
70	M76	Z	-8.597	-8.597	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
71	M80	X	0	0	%100
72	M80	Z	-6.109	-6.109	0
73	M81	X	0	0	%100
74	M81	Z	-8.597	-8.597	0
75	M85	X	0	0	%100
76	M85	Z	-11.924	-11.924	0
77	M86	X	0	0	%100
78	M86	Z	-11.924	-11.924	0
79	M87	X	0	0	%100
80	M87	Z	-11.762	-11.762	0
81	MP3C	X	0	0	%100
82	MP3C	Z	-6.827	-6.827	0
83	MP3B	X	0	0	%100
84	MP3B	Z	-6.827	-6.827	0
85	MP4A	X	0	0	%100
86	MP4A	Z	-6.827	-6.827	0
87	MP4C	X	0	0	%100
88	MP4C	Z	-6.827	-6.827	0
89	MP4B	X	0	0	%100
90	MP4B	Z	-6.827	-6.827	0
91	M89A	X	0	0	%100
92	M89A	Z	-8.41	-8.41	0
93	M90	X	0	0	%100
94	M90	Z	-5.776	-5.776	0
95	M91A	X	0	0	%100
96	M91A	Z	-.798	-.798	0
97	M94A	X	0	0	%100
98	M94A	Z	-2.539	-2.539	0
99	M95A	X	0	0	%100
100	M95A	Z	-.757	-.757	0
101	M96	X	0	0	%100
102	M96	Z	-5.758	-5.758	0

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	5.39	5.39	0
2	M1	Z	-9.336	-9.336	0
3	M7	X	5.39	5.39	0
4	M7	Z	-9.336	-9.336	0
5	M12	X	1.329	1.329	0
6	M12	Z	-2.302	-2.302	0
7	M13	X	1.028	1.028	0
8	M13	Z	-1.781	-1.781	0
9	M26	X	2.56	2.56	0
10	M26	Z	-4.435	-4.435	0
11	MP1A	X	3.414	3.414	0
12	MP1A	Z	-5.913	-5.913	0
13	M58A	X	1.329	1.329	0
14	M58A	Z	-2.302	-2.302	0
15	M59A	X	1.028	1.028	0
16	M59A	Z	-1.781	-1.781	0
17	M64B	X	5.315	5.315	0
18	M64B	Z	-9.206	-9.206	0
19	M65B	X	4.112	4.112	0
20	M65B	Z	-7.123	-7.123	0
21	M65C	X	5.39	5.39	0
22	M65C	Z	-9.336	-9.336	0
23	M66A	X	0	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft.F.ksf	End Magnitude/lb/ft.F.ksf	Start Locationft.	End Locationft.
24	M66A	Z	0	0	0	%100
25	M65D	X	5.39	5.39	0	%100
26	M65D	Z	-9.336	-9.336	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	3.414	3.414	0	%100
30	MP2A	Z	-5.913	-5.913	0	%100
31	MP3A	X	3.414	3.414	0	%100
32	MP3A	Z	-5.913	-5.913	0	%100
33	MP5A	X	3.414	3.414	0	%100
34	MP5A	Z	-5.913	-5.913	0	%100
35	M33	X	2.56	2.56	0	%100
36	M33	Z	-4.435	-4.435	0	%100
37	MP1C	X	3.414	3.414	0	%100
38	MP1C	Z	-5.913	-5.913	0	%100
39	MP2C	X	3.414	3.414	0	%100
40	MP2C	Z	-5.913	-5.913	0	%100
41	MP5C	X	3.414	3.414	0	%100
42	MP5C	Z	-5.913	-5.913	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	3.414	3.414	0	%100
46	MP1B	Z	-5.913	-5.913	0	%100
47	MP2B	X	3.414	3.414	0	%100
48	MP2B	Z	-5.913	-5.913	0	%100
49	MP5B	X	3.414	3.414	0	%100
50	MP5B	Z	-5.913	-5.913	0	%100
51	M58	X	1.497	1.497	0	%100
52	M58	Z	-2.593	-2.593	0	%100
53	M59	X	5.989	5.989	0	%100
54	M59	Z	-10.373	-10.373	0	%100
55	M60	X	1.497	1.497	0	%100
56	M60	Z	-2.593	-2.593	0	%100
57	M68	X	.014	.014	0	%100
58	M68	Z	-.024	-.024	0	%100
59	M70	X	1.018	1.018	0	%100
60	M70	Z	-1.763	-1.763	0	%100
61	M71A	X	4.299	4.299	0	%100
62	M71A	Z	-7.446	-7.446	0	%100
63	M73	X	2.861	2.861	0	%100
64	M73	Z	-4.956	-4.956	0	%100
65	M74	X	5.401	5.401	0	%100
66	M74	Z	-9.355	-9.355	0	%100
67	M75	X	1.018	1.018	0	%100
68	M75	Z	-1.763	-1.763	0	%100
69	M76	X	4.299	4.299	0	%100
70	M76	Z	-7.446	-7.446	0	%100
71	M80	X	4.072	4.072	0	%100
72	M80	Z	-7.054	-7.054	0	%100
73	M81	X	4.299	4.299	0	%100
74	M81	Z	-7.446	-7.446	0	%100
75	M85	X	5.908	5.908	0	%100
76	M85	Z	-10.233	-10.233	0	%100
77	M86	X	5.989	5.989	0	%100
78	M86	Z	-10.373	-10.373	0	%100
79	M87	X	5.908	5.908	0	%100
80	M87	Z	-10.233	-10.233	0	%100
81	MP3C	X	3.414	3.414	0	%100
82	MP3C	Z	-5.913	-5.913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
83	MP3B	X	3.414	3.414	0	%100
84	MP3B	Z	-5.913	-5.913	0	%100
85	MP4A	X	3.414	3.414	0	%100
86	MP4A	Z	-5.913	-5.913	0	%100
87	MP4C	X	3.414	3.414	0	%100
88	MP4C	Z	-5.913	-5.913	0	%100
89	MP4B	X	3.414	3.414	0	%100
90	MP4B	Z	-5.913	-5.913	0	%100
91	M89A	X	2.949	2.949	0	%100
92	M89A	Z	-5.108	-5.108	0	%100
93	M90	X	5.371	5.371	0	%100
94	M90	Z	-9.303	-9.303	0	%100
95	M91A	X	2.921	2.921	0	%100
96	M91A	Z	-5.059	-5.059	0	%100
97	M94A	X	3.365	3.365	0	%100
98	M94A	Z	-5.828	-5.828	0	%100
99	M95A	X	.392	.392	0	%100
100	M95A	Z	-.679	-.679	0	%100
101	M96	X	.378	.378	0	%100
102	M96	Z	-.655	-.655	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	3.112	3.112	0	%100
2	M1	Z	-1.797	-1.797	0	%100
3	M7	X	3.112	3.112	0	%100
4	M7	Z	-1.797	-1.797	0	%100
5	M12	X	6.905	6.905	0	%100
6	M12	Z	-3.986	-3.986	0	%100
7	M13	X	5.342	5.342	0	%100
8	M13	Z	-3.084	-3.084	0	%100
9	M26	X	1.478	1.478	0	%100
10	M26	Z	-.853	-.853	0	%100
11	MP1A	X	5.913	5.913	0	%100
12	MP1A	Z	-3.414	-3.414	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	6.905	6.905	0	%100
18	M64B	Z	-3.986	-3.986	0	%100
19	M65B	X	5.342	5.342	0	%100
20	M65B	Z	-3.084	-3.084	0	%100
21	M65C	X	12.448	12.448	0	%100
22	M65C	Z	-7.187	-7.187	0	%100
23	M66A	X	3.112	3.112	0	%100
24	M66A	Z	-1.797	-1.797	0	%100
25	M65D	X	12.448	12.448	0	%100
26	M65D	Z	-7.187	-7.187	0	%100
27	M66B	X	3.112	3.112	0	%100
28	M66B	Z	-1.797	-1.797	0	%100
29	MP2A	X	5.913	5.913	0	%100
30	MP2A	Z	-3.414	-3.414	0	%100
31	MP3A	X	5.913	5.913	0	%100
32	MP3A	Z	-3.414	-3.414	0	%100
33	MP5A	X	5.913	5.913	0	%100
34	MP5A	Z	-3.414	-3.414	0	%100
35	M33	X	5.913	5.913	0	%100



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

Member Label	Direction	Start Magnitude/lb/ft.F.ksfl	End Magnitude/lb/ft.F.ksfl	Start Locationft.	End Locationft.
36	M33	Z	-3.414	-3.414	0 %100
37	MP1C	X	5.913	5.913	0 %100
38	MP1C	Z	-3.414	-3.414	0 %100
39	MP2C	X	5.913	5.913	0 %100
40	MP2C	Z	-3.414	-3.414	0 %100
41	MP5C	X	5.913	5.913	0 %100
42	MP5C	Z	-3.414	-3.414	0 %100
43	M46	X	1.478	1.478	0 %100
44	M46	Z	-.853	-.853	0 %100
45	MP1B	X	5.913	5.913	0 %100
46	MP1B	Z	-3.414	-3.414	0 %100
47	MP2B	X	5.913	5.913	0 %100
48	MP2B	Z	-3.414	-3.414	0 %100
49	MP5B	X	5.913	5.913	0 %100
50	MP5B	Z	-3.414	-3.414	0 %100
51	M58	X	0	0	0 %100
52	M58	Z	0	0	0 %100
53	M59	X	7.78	7.78	0 %100
54	M59	Z	-4.492	-4.492	0 %100
55	M60	X	7.78	7.78	0 %100
56	M60	Z	-4.492	-4.492	0 %100
57	M68	X	2.199	2.199	0 %100
58	M68	Z	-1.269	-1.269	0 %100
59	M70	X	5.29	5.29	0 %100
60	M70	Z	-3.054	-3.054	0 %100
61	M71A	X	7.446	7.446	0 %100
62	M71A	Z	-4.299	-4.299	0 %100
63	M73	X	.656	.656	0 %100
64	M73	Z	-.378	-.378	0 %100
65	M74	X	4.987	4.987	0 %100
66	M74	Z	-2.879	-2.879	0 %100
67	M75	X	0	0	0 %100
68	M75	Z	0	0	0 %100
69	M76	X	7.446	7.446	0 %100
70	M76	Z	-4.299	-4.299	0 %100
71	M80	X	5.29	5.29	0 %100
72	M80	Z	-3.054	-3.054	0 %100
73	M81	X	7.446	7.446	0 %100
74	M81	Z	-4.299	-4.299	0 %100
75	M85	X	10.186	10.186	0 %100
76	M85	Z	-5.881	-5.881	0 %100
77	M86	X	10.326	10.326	0 %100
78	M86	Z	-5.962	-5.962	0 %100
79	M87	X	10.326	10.326	0 %100
80	M87	Z	-5.962	-5.962	0 %100
81	MP3C	X	5.913	5.913	0 %100
82	MP3C	Z	-3.414	-3.414	0 %100
83	MP3B	X	5.913	5.913	0 %100
84	MP3B	Z	-3.414	-3.414	0 %100
85	MP4A	X	5.913	5.913	0 %100
86	MP4A	Z	-3.414	-3.414	0 %100
87	MP4C	X	5.913	5.913	0 %100
88	MP4C	Z	-3.414	-3.414	0 %100
89	MP4B	X	5.913	5.913	0 %100
90	MP4B	Z	-3.414	-3.414	0 %100
91	M89A	X	1.478	1.478	0 %100
92	M89A	Z	-.853	-.853	0 %100
93	M90	X	9.279	9.279	0 %100
94	M90	Z	-5.357	-5.357	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft...
95	M91A	X	9.391	9.391	0	%100
96	M91A	Z	-5.422	-5.422	0	%100
97	M94A	X	7.283	7.283	0	%100
98	M94A	Z	-4.205	-4.205	0	%100
99	M95A	X	5.002	5.002	0	%100
100	M95A	Z	-2.888	-2.888	0	%100
101	M96	X	.691	.691	0	%100
102	M96	Z	-.399	-.399	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	10.63	10.63	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	8.225	8.225	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	6.827	6.827	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	2.658	2.658	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	2.056	2.056	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	2.658	2.658	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	2.056	2.056	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	10.78	10.78	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	10.78	10.78	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	10.78	10.78	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	10.78	10.78	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	6.827	6.827	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	6.827	6.827	0	%100
32	MP3A	Z	0	0	0	%100
33	MP5A	X	6.827	6.827	0	%100
34	MP5A	Z	0	0	0	%100
35	M33	X	5.121	5.121	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	6.827	6.827	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	6.827	6.827	0	%100
40	MP2C	Z	0	0	0	%100
41	MP5C	X	6.827	6.827	0	%100
42	MP5C	Z	0	0	0	%100
43	M46	X	5.121	5.121	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	6.827	6.827	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	6.827	6.827	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
48	MP2B	Z	0	0	0	%100
49	MP5B	X	6.827	6.827	0	%100
50	MP5B	Z	0	0	0	%100
51	M58	X	2.994	2.994	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	2.994	2.994	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	11.978	11.978	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	6.73	6.73	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	8.145	8.145	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	8.597	8.597	0	%100
62	M71A	Z	0	0	0	%100
63	M73	X	.784	.784	0	%100
64	M73	Z	0	0	0	%100
65	M74	X	.756	.756	0	%100
66	M74	Z	0	0	0	%100
67	M75	X	2.036	2.036	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	8.597	8.597	0	%100
70	M76	Z	0	0	0	%100
71	M80	X	2.036	2.036	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	8.597	8.597	0	%100
74	M81	Z	0	0	0	%100
75	M85	X	11.816	11.816	0	%100
76	M85	Z	0	0	0	%100
77	M86	X	11.816	11.816	0	%100
78	M86	Z	0	0	0	%100
79	M87	X	11.978	11.978	0	%100
80	M87	Z	0	0	0	%100
81	MP3C	X	6.827	6.827	0	%100
82	MP3C	Z	0	0	0	%100
83	MP3B	X	6.827	6.827	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4A	X	6.827	6.827	0	%100
86	MP4A	Z	0	0	0	%100
87	MP4C	X	6.827	6.827	0	%100
88	MP4C	Z	0	0	0	%100
89	MP4B	X	6.827	6.827	0	%100
90	MP4B	Z	0	0	0	%100
91	M89A	X	.027	.027	0	%100
92	M89A	Z	0	0	0	%100
93	M90	X	5.723	5.723	0	%100
94	M90	Z	0	0	0	%100
95	M91A	X	10.802	10.802	0	%100
96	M91A	Z	0	0	0	%100
97	M94A	X	5.898	5.898	0	%100
98	M94A	Z	0	0	0	%100
99	M95A	X	10.742	10.742	0	%100
100	M95A	Z	0	0	0	%100
101	M96	X	5.842	5.842	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
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Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	3.112	3.112	0 %100
2	M1	Z	1.797	1.797	0 %100
3	M7	X	3.112	3.112	0 %100
4	M7	Z	1.797	1.797	0 %100
5	M12	X	6.905	6.905	0 %100
6	M12	Z	3.986	3.986	0 %100
7	M13	X	5.342	5.342	0 %100
8	M13	Z	3.084	3.084	0 %100
9	M26	X	1.478	1.478	0 %100
10	M26	Z	.853	.853	0 %100
11	MP1A	X	5.913	5.913	0 %100
12	MP1A	Z	3.414	3.414	0 %100
13	M58A	X	6.905	6.905	0 %100
14	M58A	Z	3.986	3.986	0 %100
15	M59A	X	5.342	5.342	0 %100
16	M59A	Z	3.084	3.084	0 %100
17	M64B	X	0	0	0 %100
18	M64B	Z	0	0	0 %100
19	M65B	X	0	0	0 %100
20	M65B	Z	0	0	0 %100
21	M65C	X	3.112	3.112	0 %100
22	M65C	Z	1.797	1.797	0 %100
23	M66A	X	12.448	12.448	0 %100
24	M66A	Z	7.187	7.187	0 %100
25	M65D	X	3.112	3.112	0 %100
26	M65D	Z	1.797	1.797	0 %100
27	M66B	X	12.448	12.448	0 %100
28	M66B	Z	7.187	7.187	0 %100
29	MP2A	X	5.913	5.913	0 %100
30	MP2A	Z	3.414	3.414	0 %100
31	MP3A	X	5.913	5.913	0 %100
32	MP3A	Z	3.414	3.414	0 %100
33	MP5A	X	5.913	5.913	0 %100
34	MP5A	Z	3.414	3.414	0 %100
35	M33	X	1.478	1.478	0 %100
36	M33	Z	.853	.853	0 %100
37	MP1C	X	5.913	5.913	0 %100
38	MP1C	Z	3.414	3.414	0 %100
39	MP2C	X	5.913	5.913	0 %100
40	MP2C	Z	3.414	3.414	0 %100
41	MP5C	X	5.913	5.913	0 %100
42	MP5C	Z	3.414	3.414	0 %100
43	M46	X	5.913	5.913	0 %100
44	M46	Z	3.414	3.414	0 %100
45	MP1B	X	5.913	5.913	0 %100
46	MP1B	Z	3.414	3.414	0 %100
47	MP2B	X	5.913	5.913	0 %100
48	MP2B	Z	3.414	3.414	0 %100
49	MP5B	X	5.913	5.913	0 %100
50	MP5B	Z	3.414	3.414	0 %100
51	M58	X	7.78	7.78	0 %100
52	M58	Z	4.492	4.492	0 %100
53	M59	X	0	0	0 %100
54	M59	Z	0	0	0 %100
55	M60	X	7.78	7.78	0 %100
56	M60	Z	4.492	4.492	0 %100
57	M68	X	7.283	7.283	0 %100
58	M68	Z	4.205	4.205	0 %100
59	M70	X	5.29	5.29	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
60	M70	Z	3.054	3.054	0	%100
61	M71A	X	7.446	7.446	0	%100
62	M71A	Z	4.299	4.299	0	%100
63	M73	X	5.002	5.002	0	%100
64	M73	Z	2.888	2.888	0	%100
65	M74	X	.691	.691	0	%100
66	M74	Z	.399	.399	0	%100
67	M75	X	5.29	5.29	0	%100
68	M75	Z	3.054	3.054	0	%100
69	M76	X	7.446	7.446	0	%100
70	M76	Z	4.299	4.299	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	7.446	7.446	0	%100
74	M81	Z	4.299	4.299	0	%100
75	M85	X	10.326	10.326	0	%100
76	M85	Z	5.962	5.962	0	%100
77	M86	X	10.186	10.186	0	%100
78	M86	Z	5.881	5.881	0	%100
79	M87	X	10.326	10.326	0	%100
80	M87	Z	5.962	5.962	0	%100
81	MP3C	X	5.913	5.913	0	%100
82	MP3C	Z	3.414	3.414	0	%100
83	MP3B	X	5.913	5.913	0	%100
84	MP3B	Z	3.414	3.414	0	%100
85	MP4A	X	5.913	5.913	0	%100
86	MP4A	Z	3.414	3.414	0	%100
87	MP4C	X	5.913	5.913	0	%100
88	MP4C	Z	3.414	3.414	0	%100
89	MP4B	X	5.913	5.913	0	%100
90	MP4B	Z	3.414	3.414	0	%100
91	M89A	X	2.199	2.199	0	%100
92	M89A	Z	1.269	1.269	0	%100
93	M90	X	.656	.656	0	%100
94	M90	Z	.378	.378	0	%100
95	M91A	X	4.987	4.987	0	%100
96	M91A	Z	2.879	2.879	0	%100
97	M94A	X	1.478	1.478	0	%100
98	M94A	Z	.853	.853	0	%100
99	M95A	X	9.279	9.279	0	%100
100	M95A	Z	5.357	5.357	0	%100
101	M96	X	9.391	9.391	0	%100
102	M96	Z	5.422	5.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	X	5.39	5.39	0	%100
2	M1	Z	9.336	9.336	0	%100
3	M7	X	5.39	5.39	0	%100
4	M7	Z	9.336	9.336	0	%100
5	M12	X	1.329	1.329	0	%100
6	M12	Z	2.302	2.302	0	%100
7	M13	X	1.028	1.028	0	%100
8	M13	Z	1.781	1.781	0	%100
9	M26	X	2.56	2.56	0	%100
10	M26	Z	4.435	4.435	0	%100
11	MP1A	X	3.414	3.414	0	%100
12	MP1A	Z	5.913	5.913	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
13	M58A	X	5.315	5.315	0	%100
14	M58A	Z	9.206	9.206	0	%100
15	M59A	X	4.112	4.112	0	%100
16	M59A	Z	7.123	7.123	0	%100
17	M64B	X	1.329	1.329	0	%100
18	M64B	Z	2.302	2.302	0	%100
19	M65B	X	1.028	1.028	0	%100
20	M65B	Z	1.781	1.781	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	5.39	5.39	0	%100
24	M66A	Z	9.336	9.336	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	5.39	5.39	0	%100
28	M66B	Z	9.336	9.336	0	%100
29	MP2A	X	3.414	3.414	0	%100
30	MP2A	Z	5.913	5.913	0	%100
31	MP3A	X	3.414	3.414	0	%100
32	MP3A	Z	5.913	5.913	0	%100
33	MP5A	X	3.414	3.414	0	%100
34	MP5A	Z	5.913	5.913	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	3.414	3.414	0	%100
38	MP1C	Z	5.913	5.913	0	%100
39	MP2C	X	3.414	3.414	0	%100
40	MP2C	Z	5.913	5.913	0	%100
41	MP5C	X	3.414	3.414	0	%100
42	MP5C	Z	5.913	5.913	0	%100
43	M46	X	2.56	2.56	0	%100
44	M46	Z	4.435	4.435	0	%100
45	MP1B	X	3.414	3.414	0	%100
46	MP1B	Z	5.913	5.913	0	%100
47	MP2B	X	3.414	3.414	0	%100
48	MP2B	Z	5.913	5.913	0	%100
49	MP5B	X	3.414	3.414	0	%100
50	MP5B	Z	5.913	5.913	0	%100
51	M58	X	5.989	5.989	0	%100
52	M58	Z	10.373	10.373	0	%100
53	M59	X	1.497	1.497	0	%100
54	M59	Z	2.593	2.593	0	%100
55	M60	X	1.497	1.497	0	%100
56	M60	Z	2.593	2.593	0	%100
57	M68	X	2.949	2.949	0	%100
58	M68	Z	5.108	5.108	0	%100
59	M70	X	1.018	1.018	0	%100
60	M70	Z	1.763	1.763	0	%100
61	M71A	X	4.299	4.299	0	%100
62	M71A	Z	7.446	7.446	0	%100
63	M73	X	5.371	5.371	0	%100
64	M73	Z	9.303	9.303	0	%100
65	M74	X	2.921	2.921	0	%100
66	M74	Z	5.059	5.059	0	%100
67	M75	X	4.072	4.072	0	%100
68	M75	Z	7.054	7.054	0	%100
69	M76	X	4.299	4.299	0	%100
70	M76	Z	7.446	7.446	0	%100
71	M80	X	1.018	1.018	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft]	End Location[ft]
72	M80	Z	1.763	1.763	0	%100
73	M81	X	4.299	4.299	0	%100
74	M81	Z	7.446	7.446	0	%100
75	M85	X	5.989	5.989	0	%100
76	M85	Z	10.373	10.373	0	%100
77	M86	X	5.908	5.908	0	%100
78	M86	Z	10.233	10.233	0	%100
79	M87	X	5.908	5.908	0	%100
80	M87	Z	10.233	10.233	0	%100
81	MP3C	X	3.414	3.414	0	%100
82	MP3C	Z	5.913	5.913	0	%100
83	MP3B	X	3.414	3.414	0	%100
84	MP3B	Z	5.913	5.913	0	%100
85	MP4A	X	3.414	3.414	0	%100
86	MP4A	Z	5.913	5.913	0	%100
87	MP4C	X	3.414	3.414	0	%100
88	MP4C	Z	5.913	5.913	0	%100
89	MP4B	X	3.414	3.414	0	%100
90	MP4B	Z	5.913	5.913	0	%100
91	M89A	X	3.365	3.365	0	%100
92	M89A	Z	5.828	5.828	0	%100
93	M90	X	.392	.392	0	%100
94	M90	Z	.679	.679	0	%100
95	M91A	X	.378	.378	0	%100
96	M91A	Z	.655	.655	0	%100
97	M94A	X	.014	.014	0	%100
98	M94A	Z	.024	.024	0	%100
99	M95A	X	2.861	2.861	0	%100
100	M95A	Z	4.956	4.956	0	%100
101	M96	X	5.401	5.401	0	%100
102	M96	Z	9.355	9.355	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft]	End Location[ft]
1	M1	X	0	0	0	%100
2	M1	Z	14.373	14.373	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	14.373	14.373	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	6.827	6.827	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	6.827	6.827	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	7.973	7.973	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	6.169	6.169	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	7.973	7.973	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	6.169	6.169	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	3.593	3.593	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	3.593	3.593	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
25	M65D	X	0	0	%100
26	M65D	Z	3.593	3.593	0
27	M66B	X	0	0	%100
28	M66B	Z	3.593	3.593	0
29	MP2A	X	0	0	%100
30	MP2A	Z	6.827	6.827	0
31	MP3A	X	0	0	%100
32	MP3A	Z	6.827	6.827	0
33	MP5A	X	0	0	%100
34	MP5A	Z	6.827	6.827	0
35	M33	X	0	0	%100
36	M33	Z	1.707	1.707	0
37	MP1C	X	0	0	%100
38	MP1C	Z	6.827	6.827	0
39	MP2C	X	0	0	%100
40	MP2C	Z	6.827	6.827	0
41	MP5C	X	0	0	%100
42	MP5C	Z	6.827	6.827	0
43	M46	X	0	0	%100
44	M46	Z	1.707	1.707	0
45	MP1B	X	0	0	%100
46	MP1B	Z	6.827	6.827	0
47	MP2B	X	0	0	%100
48	MP2B	Z	6.827	6.827	0
49	MP5B	X	0	0	%100
50	MP5B	Z	6.827	6.827	0
51	M58	X	0	0	%100
52	M58	Z	8.983	8.983	0
53	M59	X	0	0	%100
54	M59	Z	8.983	8.983	0
55	M60	X	0	0	%100
56	M60	Z	0	0	%100
57	M68	X	0	0	%100
58	M68	Z	1.707	1.707	0
59	M70	X	0	0	%100
60	M70	Z	0	0	%100
61	M71A	X	0	0	%100
62	M71A	Z	8.597	8.597	0
63	M73	X	0	0	%100
64	M73	Z	10.715	10.715	0
65	M74	X	0	0	%100
66	M74	Z	10.843	10.843	0
67	M75	X	0	0	%100
68	M75	Z	6.109	6.109	0
69	M76	X	0	0	%100
70	M76	Z	8.597	8.597	0
71	M80	X	0	0	%100
72	M80	Z	6.109	6.109	0
73	M81	X	0	0	%100
74	M81	Z	8.597	8.597	0
75	M85	X	0	0	%100
76	M85	Z	11.924	11.924	0
77	M86	X	0	0	%100
78	M86	Z	11.924	11.924	0
79	M87	X	0	0	%100
80	M87	Z	11.762	11.762	0
81	MP3C	X	0	0	%100
82	MP3C	Z	6.827	6.827	0
83	MP3B	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
84	MP3B	Z	6.827	6.827	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	6.827	6.827	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	6.827	6.827	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	6.827	6.827	0	%100
91	M89A	X	0	0	0	%100
92	M89A	Z	8.41	8.41	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	5.776	5.776	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.798	.798	0	%100
97	M94A	X	0	0	0	%100
98	M94A	Z	2.539	2.539	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	.757	.757	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	5.758	5.758	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	-5.39	-5.39	0	%100
2	M1	Z	9.336	9.336	0	%100
3	M7	X	-5.39	-5.39	0	%100
4	M7	Z	9.336	9.336	0	%100
5	M12	X	-1.329	-1.329	0	%100
6	M12	Z	2.302	2.302	0	%100
7	M13	X	-1.028	-1.028	0	%100
8	M13	Z	1.781	1.781	0	%100
9	M26	X	-2.56	-2.56	0	%100
10	M26	Z	4.435	4.435	0	%100
11	MP1A	X	-3.414	-3.414	0	%100
12	MP1A	Z	5.913	5.913	0	%100
13	M58A	X	-1.329	-1.329	0	%100
14	M58A	Z	2.302	2.302	0	%100
15	M59A	X	-1.028	-1.028	0	%100
16	M59A	Z	1.781	1.781	0	%100
17	M64B	X	-5.315	-5.315	0	%100
18	M64B	Z	9.206	9.206	0	%100
19	M65B	X	-4.112	-4.112	0	%100
20	M65B	Z	7.123	7.123	0	%100
21	M65C	X	-5.39	-5.39	0	%100
22	M65C	Z	9.336	9.336	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-5.39	-5.39	0	%100
26	M65D	Z	9.336	9.336	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-3.414	-3.414	0	%100
30	MP2A	Z	5.913	5.913	0	%100
31	MP3A	X	-3.414	-3.414	0	%100
32	MP3A	Z	5.913	5.913	0	%100
33	MP5A	X	-3.414	-3.414	0	%100
34	MP5A	Z	5.913	5.913	0	%100
35	M33	X	-2.56	-2.56	0	%100
36	M33	Z	4.435	4.435	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
 11:39 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...
37	MP1C	X	-3.414	-3.414	0 %100
38	MP1C	Z	5.913	5.913	0 %100
39	MP2C	X	-3.414	-3.414	0 %100
40	MP2C	Z	5.913	5.913	0 %100
41	MP5C	X	-3.414	-3.414	0 %100
42	MP5C	Z	5.913	5.913	0 %100
43	M46	X	0	0	0 %100
44	M46	Z	0	0	0 %100
45	MP1B	X	-3.414	-3.414	0 %100
46	MP1B	Z	5.913	5.913	0 %100
47	MP2B	X	-3.414	-3.414	0 %100
48	MP2B	Z	5.913	5.913	0 %100
49	MP5B	X	-3.414	-3.414	0 %100
50	MP5B	Z	5.913	5.913	0 %100
51	M58	X	-1.497	-1.497	0 %100
52	M58	Z	2.593	2.593	0 %100
53	M59	X	-5.989	-5.989	0 %100
54	M59	Z	10.373	10.373	0 %100
55	M60	X	-1.497	-1.497	0 %100
56	M60	Z	2.593	2.593	0 %100
57	M68	X	-.014	-.014	0 %100
58	M68	Z	.024	.024	0 %100
59	M70	X	-1.018	-1.018	0 %100
60	M70	Z	1.763	1.763	0 %100
61	M71A	X	-4.299	-4.299	0 %100
62	M71A	Z	7.446	7.446	0 %100
63	M73	X	-2.861	-2.861	0 %100
64	M73	Z	4.956	4.956	0 %100
65	M74	X	-5.401	-5.401	0 %100
66	M74	Z	9.355	9.355	0 %100
67	M75	X	-1.018	-1.018	0 %100
68	M75	Z	1.763	1.763	0 %100
69	M76	X	-4.299	-4.299	0 %100
70	M76	Z	7.446	7.446	0 %100
71	M80	X	-4.072	-4.072	0 %100
72	M80	Z	7.054	7.054	0 %100
73	M81	X	-4.299	-4.299	0 %100
74	M81	Z	7.446	7.446	0 %100
75	M85	X	-5.908	-5.908	0 %100
76	M85	Z	10.233	10.233	0 %100
77	M86	X	-5.989	-5.989	0 %100
78	M86	Z	10.373	10.373	0 %100
79	M87	X	-5.908	-5.908	0 %100
80	M87	Z	10.233	10.233	0 %100
81	MP3C	X	-3.414	-3.414	0 %100
82	MP3C	Z	5.913	5.913	0 %100
83	MP3B	X	-3.414	-3.414	0 %100
84	MP3B	Z	5.913	5.913	0 %100
85	MP4A	X	-3.414	-3.414	0 %100
86	MP4A	Z	5.913	5.913	0 %100
87	MP4C	X	-3.414	-3.414	0 %100
88	MP4C	Z	5.913	5.913	0 %100
89	MP4B	X	-3.414	-3.414	0 %100
90	MP4B	Z	5.913	5.913	0 %100
91	M89A	X	-2.949	-2.949	0 %100
92	M89A	Z	5.108	5.108	0 %100
93	M90	X	-5.371	-5.371	0 %100
94	M90	Z	9.303	9.303	0 %100
95	M91A	X	-2.921	-2.921	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
96	M91A	Z	5.059	5.059	0	%100
97	M94A	X	-3.365	-3.365	0	%100
98	M94A	Z	5.828	5.828	0	%100
99	M95A	X	-.392	-.392	0	%100
100	M95A	Z	.679	.679	0	%100
101	M96	X	-.378	-.378	0	%100
102	M96	Z	.655	.655	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	-3.112	-3.112	0	%100
2	M1	Z	1.797	1.797	0	%100
3	M7	X	-3.112	-3.112	0	%100
4	M7	Z	1.797	1.797	0	%100
5	M12	X	-6.905	-6.905	0	%100
6	M12	Z	3.986	3.986	0	%100
7	M13	X	-5.342	-5.342	0	%100
8	M13	Z	3.084	3.084	0	%100
9	M26	X	-1.478	-1.478	0	%100
10	M26	Z	.853	.853	0	%100
11	MP1A	X	-5.913	-5.913	0	%100
12	MP1A	Z	3.414	3.414	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-6.905	-6.905	0	%100
18	M64B	Z	3.986	3.986	0	%100
19	M65B	X	-5.342	-5.342	0	%100
20	M65B	Z	3.084	3.084	0	%100
21	M65C	X	-12.448	-12.448	0	%100
22	M65C	Z	7.187	7.187	0	%100
23	M66A	X	-3.112	-3.112	0	%100
24	M66A	Z	1.797	1.797	0	%100
25	M65D	X	-12.448	-12.448	0	%100
26	M65D	Z	7.187	7.187	0	%100
27	M66B	X	-3.112	-3.112	0	%100
28	M66B	Z	1.797	1.797	0	%100
29	MP2A	X	-5.913	-5.913	0	%100
30	MP2A	Z	3.414	3.414	0	%100
31	MP3A	X	-5.913	-5.913	0	%100
32	MP3A	Z	3.414	3.414	0	%100
33	MP5A	X	-5.913	-5.913	0	%100
34	MP5A	Z	3.414	3.414	0	%100
35	M33	X	-5.913	-5.913	0	%100
36	M33	Z	3.414	3.414	0	%100
37	MP1C	X	-5.913	-5.913	0	%100
38	MP1C	Z	3.414	3.414	0	%100
39	MP2C	X	-5.913	-5.913	0	%100
40	MP2C	Z	3.414	3.414	0	%100
41	MP5C	X	-5.913	-5.913	0	%100
42	MP5C	Z	3.414	3.414	0	%100
43	M46	X	-1.478	-1.478	0	%100
44	M46	Z	.853	.853	0	%100
45	MP1B	X	-5.913	-5.913	0	%100
46	MP1B	Z	3.414	3.414	0	%100
47	MP2B	X	-5.913	-5.913	0	%100
48	MP2B	Z	3.414	3.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
49	MP5B	X	-5.913	-5.913	0	%100
50	MP5B	Z	3.414	3.414	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-7.78	-7.78	0	%100
54	M59	Z	4.492	4.492	0	%100
55	M60	X	-7.78	-7.78	0	%100
56	M60	Z	4.492	4.492	0	%100
57	M68	X	-2.199	-2.199	0	%100
58	M68	Z	1.269	1.269	0	%100
59	M70	X	-5.29	-5.29	0	%100
60	M70	Z	3.054	3.054	0	%100
61	M71A	X	-7.446	-7.446	0	%100
62	M71A	Z	4.299	4.299	0	%100
63	M73	X	-.656	-.656	0	%100
64	M73	Z	.378	.378	0	%100
65	M74	X	-4.987	-4.987	0	%100
66	M74	Z	2.879	2.879	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	-7.446	-7.446	0	%100
70	M76	Z	4.299	4.299	0	%100
71	M80	X	-5.29	-5.29	0	%100
72	M80	Z	3.054	3.054	0	%100
73	M81	X	-7.446	-7.446	0	%100
74	M81	Z	4.299	4.299	0	%100
75	M85	X	-10.186	-10.186	0	%100
76	M85	Z	5.881	5.881	0	%100
77	M86	X	-10.326	-10.326	0	%100
78	M86	Z	5.962	5.962	0	%100
79	M87	X	-10.326	-10.326	0	%100
80	M87	Z	5.962	5.962	0	%100
81	MP3C	X	-5.913	-5.913	0	%100
82	MP3C	Z	3.414	3.414	0	%100
83	MP3B	X	-5.913	-5.913	0	%100
84	MP3B	Z	3.414	3.414	0	%100
85	MP4A	X	-5.913	-5.913	0	%100
86	MP4A	Z	3.414	3.414	0	%100
87	MP4C	X	-5.913	-5.913	0	%100
88	MP4C	Z	3.414	3.414	0	%100
89	MP4B	X	-5.913	-5.913	0	%100
90	MP4B	Z	3.414	3.414	0	%100
91	M89A	X	-1.478	-1.478	0	%100
92	M89A	Z	.853	.853	0	%100
93	M90	X	-9.279	-9.279	0	%100
94	M90	Z	5.357	5.357	0	%100
95	M91A	X	-9.391	-9.391	0	%100
96	M91A	Z	5.422	5.422	0	%100
97	M94A	X	-7.283	-7.283	0	%100
98	M94A	Z	4.205	4.205	0	%100
99	M95A	X	-5.002	-5.002	0	%100
100	M95A	Z	2.888	2.888	0	%100
101	M96	X	-.691	-.691	0	%100
102	M96	Z	.399	.399	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft.F.kslf	End Magnitude lb/ft.F.kslf	Start Locationft.	End Locationft.
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-10.63	-10.63	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-8.225	-8.225	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-6.827	-6.827	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-2.658	-2.658	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-2.056	-2.056	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-2.658	-2.658	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-2.056	-2.056	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-10.78	-10.78	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-10.78	-10.78	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-10.78	-10.78	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-10.78	-10.78	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-6.827	-6.827	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-6.827	-6.827	0	%100
32	MP3A	Z	0	0	0	%100
33	MP5A	X	-6.827	-6.827	0	%100
34	MP5A	Z	0	0	0	%100
35	M33	X	-5.121	-5.121	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-6.827	-6.827	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-6.827	-6.827	0	%100
40	MP2C	Z	0	0	0	%100
41	MP5C	X	-6.827	-6.827	0	%100
42	MP5C	Z	0	0	0	%100
43	M46	X	-5.121	-5.121	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-6.827	-6.827	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-6.827	-6.827	0	%100
48	MP2B	Z	0	0	0	%100
49	MP5B	X	-6.827	-6.827	0	%100
50	MP5B	Z	0	0	0	%100
51	M58	X	-2.994	-2.994	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-2.994	-2.994	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-11.978	-11.978	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	-6.73	-6.73	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	-8.145	-8.145	0	%100
60	M70	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
61	M71A	X	-8.597	-8.597	0	%100
62	M71A	Z	0	0	0	%100
63	M73	X	-.784	-.784	0	%100
64	M73	Z	0	0	0	%100
65	M74	X	-.756	-.756	0	%100
66	M74	Z	0	0	0	%100
67	M75	X	-2.036	-2.036	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	-8.597	-8.597	0	%100
70	M76	Z	0	0	0	%100
71	M80	X	-2.036	-2.036	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	-8.597	-8.597	0	%100
74	M81	Z	0	0	0	%100
75	M85	X	-11.816	-11.816	0	%100
76	M85	Z	0	0	0	%100
77	M86	X	-11.816	-11.816	0	%100
78	M86	Z	0	0	0	%100
79	M87	X	-11.978	-11.978	0	%100
80	M87	Z	0	0	0	%100
81	MP3C	X	-6.827	-6.827	0	%100
82	MP3C	Z	0	0	0	%100
83	MP3B	X	-6.827	-6.827	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4A	X	-6.827	-6.827	0	%100
86	MP4A	Z	0	0	0	%100
87	MP4C	X	-6.827	-6.827	0	%100
88	MP4C	Z	0	0	0	%100
89	MP4B	X	-6.827	-6.827	0	%100
90	MP4B	Z	0	0	0	%100
91	M89A	X	-.027	-.027	0	%100
92	M89A	Z	0	0	0	%100
93	M90	X	-5.723	-5.723	0	%100
94	M90	Z	0	0	0	%100
95	M91A	X	-10.802	-10.802	0	%100
96	M91A	Z	0	0	0	%100
97	M94A	X	-5.898	-5.898	0	%100
98	M94A	Z	0	0	0	%100
99	M95A	X	-10.742	-10.742	0	%100
100	M95A	Z	0	0	0	%100
101	M96	X	-5.842	-5.842	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
1	M1	X	-3.112	-3.112	0	%100
2	M1	Z	-1.797	-1.797	0	%100
3	M7	X	-3.112	-3.112	0	%100
4	M7	Z	-1.797	-1.797	0	%100
5	M12	X	-6.905	-6.905	0	%100
6	M12	Z	-3.986	-3.986	0	%100
7	M13	X	-5.342	-5.342	0	%100
8	M13	Z	-3.084	-3.084	0	%100
9	M26	X	-1.478	-1.478	0	%100
10	M26	Z	-.853	-.853	0	%100
11	MP1A	X	-5.913	-5.913	0	%100
12	MP1A	Z	-3.414	-3.414	0	%100
13	M58A	X	-6.905	-6.905	0	%100

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

	Member Label	Direction	Start Magnitude/lb/ft.F.ksf	End Magnitude/lb/ft.F.ksf	Start Locationft...	End Locationft...
14	M58A	Z	-3.986	-3.986	0	%100
15	M59A	X	-5.342	-5.342	0	%100
16	M59A	Z	-3.084	-3.084	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-3.112	-3.112	0	%100
22	M65C	Z	-1.797	-1.797	0	%100
23	M66A	X	-12.448	-12.448	0	%100
24	M66A	Z	-7.187	-7.187	0	%100
25	M65D	X	-3.112	-3.112	0	%100
26	M65D	Z	-1.797	-1.797	0	%100
27	M66B	X	-12.448	-12.448	0	%100
28	M66B	Z	-7.187	-7.187	0	%100
29	MP2A	X	-5.913	-5.913	0	%100
30	MP2A	Z	-3.414	-3.414	0	%100
31	MP3A	X	-5.913	-5.913	0	%100
32	MP3A	Z	-3.414	-3.414	0	%100
33	MP5A	X	-5.913	-5.913	0	%100
34	MP5A	Z	-3.414	-3.414	0	%100
35	M33	X	-1.478	-1.478	0	%100
36	M33	Z	-.853	-.853	0	%100
37	MP1C	X	-5.913	-5.913	0	%100
38	MP1C	Z	-3.414	-3.414	0	%100
39	MP2C	X	-5.913	-5.913	0	%100
40	MP2C	Z	-3.414	-3.414	0	%100
41	MP5C	X	-5.913	-5.913	0	%100
42	MP5C	Z	-3.414	-3.414	0	%100
43	M46	X	-5.913	-5.913	0	%100
44	M46	Z	-3.414	-3.414	0	%100
45	MP1B	X	-5.913	-5.913	0	%100
46	MP1B	Z	-3.414	-3.414	0	%100
47	MP2B	X	-5.913	-5.913	0	%100
48	MP2B	Z	-3.414	-3.414	0	%100
49	MP5B	X	-5.913	-5.913	0	%100
50	MP5B	Z	-3.414	-3.414	0	%100
51	M58	X	-7.78	-7.78	0	%100
52	M58	Z	-4.492	-4.492	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-7.78	-7.78	0	%100
56	M60	Z	-4.492	-4.492	0	%100
57	M68	X	-7.283	-7.283	0	%100
58	M68	Z	-4.205	-4.205	0	%100
59	M70	X	-5.29	-5.29	0	%100
60	M70	Z	-3.054	-3.054	0	%100
61	M71A	X	-7.446	-7.446	0	%100
62	M71A	Z	-4.299	-4.299	0	%100
63	M73	X	-5.002	-5.002	0	%100
64	M73	Z	-2.888	-2.888	0	%100
65	M74	X	-.691	-.691	0	%100
66	M74	Z	-.399	-.399	0	%100
67	M75	X	-5.29	-5.29	0	%100
68	M75	Z	-3.054	-3.054	0	%100
69	M76	X	-7.446	-7.446	0	%100
70	M76	Z	-4.299	-4.299	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
73	M81	X	-7.446	-7.446	0 %100
74	M81	Z	-4.299	-4.299	0 %100
75	M85	X	-10.326	-10.326	0 %100
76	M85	Z	-5.962	-5.962	0 %100
77	M86	X	-10.186	-10.186	0 %100
78	M86	Z	-5.881	-5.881	0 %100
79	M87	X	-10.326	-10.326	0 %100
80	M87	Z	-5.962	-5.962	0 %100
81	MP3C	X	-5.913	-5.913	0 %100
82	MP3C	Z	-3.414	-3.414	0 %100
83	MP3B	X	-5.913	-5.913	0 %100
84	MP3B	Z	-3.414	-3.414	0 %100
85	MP4A	X	-5.913	-5.913	0 %100
86	MP4A	Z	-3.414	-3.414	0 %100
87	MP4C	X	-5.913	-5.913	0 %100
88	MP4C	Z	-3.414	-3.414	0 %100
89	MP4B	X	-5.913	-5.913	0 %100
90	MP4B	Z	-3.414	-3.414	0 %100
91	M89A	X	-2.199	-2.199	0 %100
92	M89A	Z	-1.269	-1.269	0 %100
93	M90	X	-0.656	-0.656	0 %100
94	M90	Z	-0.378	-0.378	0 %100
95	M91A	X	-4.987	-4.987	0 %100
96	M91A	Z	-2.879	-2.879	0 %100
97	M94A	X	-1.478	-1.478	0 %100
98	M94A	Z	-0.853	-0.853	0 %100
99	M95A	X	-9.279	-9.279	0 %100
100	M95A	Z	-5.357	-5.357	0 %100
101	M96	X	-9.391	-9.391	0 %100
102	M96	Z	-5.422	-5.422	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	-5.39	-5.39	0 %100
2	M1	Z	-9.336	-9.336	0 %100
3	M7	X	-5.39	-5.39	0 %100
4	M7	Z	-9.336	-9.336	0 %100
5	M12	X	-1.329	-1.329	0 %100
6	M12	Z	-2.302	-2.302	0 %100
7	M13	X	-1.028	-1.028	0 %100
8	M13	Z	-1.781	-1.781	0 %100
9	M26	X	-2.56	-2.56	0 %100
10	M26	Z	-4.435	-4.435	0 %100
11	MP1A	X	-3.414	-3.414	0 %100
12	MP1A	Z	-5.913	-5.913	0 %100
13	M58A	X	-5.315	-5.315	0 %100
14	M58A	Z	-9.206	-9.206	0 %100
15	M59A	X	-4.112	-4.112	0 %100
16	M59A	Z	-7.123	-7.123	0 %100
17	M64B	X	-1.329	-1.329	0 %100
18	M64B	Z	-2.302	-2.302	0 %100
19	M65B	X	-1.028	-1.028	0 %100
20	M65B	Z	-1.781	-1.781	0 %100
21	M65C	X	0	0	0 %100
22	M65C	Z	0	0	0 %100
23	M66A	X	-5.39	-5.39	0 %100
24	M66A	Z	-9.336	-9.336	0 %100
25	M65D	X	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]	
26	M65D	Z	0	0	%100	
27	M66B	X	-5.39	-5.39	0	%100
28	M66B	Z	-9.336	-9.336	0	%100
29	MP2A	X	-3.414	-3.414	0	%100
30	MP2A	Z	-5.913	-5.913	0	%100
31	MP3A	X	-3.414	-3.414	0	%100
32	MP3A	Z	-5.913	-5.913	0	%100
33	MP5A	X	-3.414	-3.414	0	%100
34	MP5A	Z	-5.913	-5.913	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-3.414	-3.414	0	%100
38	MP1C	Z	-5.913	-5.913	0	%100
39	MP2C	X	-3.414	-3.414	0	%100
40	MP2C	Z	-5.913	-5.913	0	%100
41	MP5C	X	-3.414	-3.414	0	%100
42	MP5C	Z	-5.913	-5.913	0	%100
43	M46	X	-2.56	-2.56	0	%100
44	M46	Z	-4.435	-4.435	0	%100
45	MP1B	X	-3.414	-3.414	0	%100
46	MP1B	Z	-5.913	-5.913	0	%100
47	MP2B	X	-3.414	-3.414	0	%100
48	MP2B	Z	-5.913	-5.913	0	%100
49	MP5B	X	-3.414	-3.414	0	%100
50	MP5B	Z	-5.913	-5.913	0	%100
51	M58	X	-5.989	-5.989	0	%100
52	M58	Z	-10.373	-10.373	0	%100
53	M59	X	-1.497	-1.497	0	%100
54	M59	Z	-2.593	-2.593	0	%100
55	M60	X	-1.497	-1.497	0	%100
56	M60	Z	-2.593	-2.593	0	%100
57	M68	X	-2.949	-2.949	0	%100
58	M68	Z	-5.108	-5.108	0	%100
59	M70	X	-1.018	-1.018	0	%100
60	M70	Z	-1.763	-1.763	0	%100
61	M71A	X	-4.299	-4.299	0	%100
62	M71A	Z	-7.446	-7.446	0	%100
63	M73	X	-5.371	-5.371	0	%100
64	M73	Z	-9.303	-9.303	0	%100
65	M74	X	-2.921	-2.921	0	%100
66	M74	Z	-5.059	-5.059	0	%100
67	M75	X	-4.072	-4.072	0	%100
68	M75	Z	-7.054	-7.054	0	%100
69	M76	X	-4.299	-4.299	0	%100
70	M76	Z	-7.446	-7.446	0	%100
71	M80	X	-1.018	-1.018	0	%100
72	M80	Z	-1.763	-1.763	0	%100
73	M81	X	-4.299	-4.299	0	%100
74	M81	Z	-7.446	-7.446	0	%100
75	M85	X	-5.989	-5.989	0	%100
76	M85	Z	-10.373	-10.373	0	%100
77	M86	X	-5.908	-5.908	0	%100
78	M86	Z	-10.233	-10.233	0	%100
79	M87	X	-5.908	-5.908	0	%100
80	M87	Z	-10.233	-10.233	0	%100
81	MP3C	X	-3.414	-3.414	0	%100
82	MP3C	Z	-5.913	-5.913	0	%100
83	MP3B	X	-3.414	-3.414	0	%100
84	MP3B	Z	-5.913	-5.913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
85	MP4A	X	-3.414	-3.414	0	%100
86	MP4A	Z	-5.913	-5.913	0	%100
87	MP4C	X	-3.414	-3.414	0	%100
88	MP4C	Z	-5.913	-5.913	0	%100
89	MP4B	X	-3.414	-3.414	0	%100
90	MP4B	Z	-5.913	-5.913	0	%100
91	M89A	X	-3.365	-3.365	0	%100
92	M89A	Z	-5.828	-5.828	0	%100
93	M90	X	-.392	-.392	0	%100
94	M90	Z	-.679	-.679	0	%100
95	M91A	X	-.378	-.378	0	%100
96	M91A	Z	-.655	-.655	0	%100
97	M94A	X	-.014	-.014	0	%100
98	M94A	Z	-.024	-.024	0	%100
99	M95A	X	-2.861	-2.861	0	%100
100	M95A	Z	-4.956	-4.956	0	%100
101	M96	X	-5.401	-5.401	0	%100
102	M96	Z	-9.355	-9.355	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	0	0	0	%100
2	M1	Z	-3.584	-3.584	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-3.584	-3.584	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-2.274	-2.274	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-2.274	-2.274	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	-1.978	-1.978	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	-1.599	-1.599	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	-1.978	-1.978	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	-1.599	-1.599	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	-.896	-.896	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	-.896	-.896	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	-.896	-.896	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	-.896	-.896	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	-2.274	-2.274	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	-2.274	-2.274	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	-2.274	-2.274	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.568	-.568	0	%100
37	MP1C	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft,F,ksfl	End Magnitude/lb/ft,F,ksfl	Start Locationft...	End Locationft...
38	MP1C	Z	-2.274	-2.274	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-2.274	-2.274	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	-2.274	-2.274	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	-568	-568	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-2.274	-2.274	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-2.274	-2.274	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	-2.274	-2.274	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	-2.31	-2.31	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-2.31	-2.31	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-449	-449	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	-2.581	-2.581	0	%100
63	M73	X	0	0	0	%100
64	M73	Z	-2.874	-2.874	0	%100
65	M74	X	0	0	0	%100
66	M74	Z	-2.9	-2.9	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	-1.547	-1.547	0	%100
69	M76	X	0	0	0	%100
70	M76	Z	-2.581	-2.581	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	-1.547	-1.547	0	%100
73	M81	X	0	0	0	%100
74	M81	Z	-2.581	-2.581	0	%100
75	M85	X	0	0	0	%100
76	M85	Z	-3.04	-3.04	0	%100
77	M86	X	0	0	0	%100
78	M86	Z	-3.04	-3.04	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	-2.658	-2.658	0	%100
81	MP3C	X	0	0	0	%100
82	MP3C	Z	-2.274	-2.274	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-2.274	-2.274	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-2.274	-2.274	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-2.274	-2.274	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	-2.274	-2.274	0	%100
91	M89A	X	0	0	0	%100
92	M89A	Z	-2.21	-2.21	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	-1.549	-1.549	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.213	-.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
97	M94A	X	0	0	0	%100
98	M94A	Z	-.667	-.667	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.203	-.203	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-1.54	-1.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	1.344	1.344	0	%100
2	M1	Z	-2.328	-2.328	0	%100
3	M7	X	1.344	1.344	0	%100
4	M7	Z	-2.328	-2.328	0	%100
5	M12	X	.33	.33	0	%100
6	M12	Z	-.571	-.571	0	%100
7	M13	X	.267	.267	0	%100
8	M13	Z	-.462	-.462	0	%100
9	M26	X	.853	.853	0	%100
10	M26	Z	-1.477	-1.477	0	%100
11	MP1A	X	1.137	1.137	0	%100
12	MP1A	Z	-1.969	-1.969	0	%100
13	M58A	X	.33	.33	0	%100
14	M58A	Z	-.571	-.571	0	%100
15	M59A	X	.267	.267	0	%100
16	M59A	Z	-.462	-.462	0	%100
17	M64B	X	1.319	1.319	0	%100
18	M64B	Z	-2.284	-2.284	0	%100
19	M65B	X	1.066	1.066	0	%100
20	M65B	Z	-1.847	-1.847	0	%100
21	M65C	X	1.344	1.344	0	%100
22	M65C	Z	-2.328	-2.328	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	1.344	1.344	0	%100
26	M65D	Z	-2.328	-2.328	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	1.137	1.137	0	%100
30	MP2A	Z	-1.969	-1.969	0	%100
31	MP3A	X	1.137	1.137	0	%100
32	MP3A	Z	-1.969	-1.969	0	%100
33	MP5A	X	1.137	1.137	0	%100
34	MP5A	Z	-1.969	-1.969	0	%100
35	M33	X	.853	.853	0	%100
36	M33	Z	-1.477	-1.477	0	%100
37	MP1C	X	1.137	1.137	0	%100
38	MP1C	Z	-1.969	-1.969	0	%100
39	MP2C	X	1.137	1.137	0	%100
40	MP2C	Z	-1.969	-1.969	0	%100
41	MP5C	X	1.137	1.137	0	%100
42	MP5C	Z	-1.969	-1.969	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	1.137	1.137	0	%100
46	MP1B	Z	-1.969	-1.969	0	%100
47	MP2B	X	1.137	1.137	0	%100
48	MP2B	Z	-1.969	-1.969	0	%100
49	MP5B	X	1.137	1.137	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
50	MP5B	Z	-1.969	-1.969	0 %100
51	M58	X	.385	.385	0 %100
52	M58	Z	-.667	-.667	0 %100
53	M59	X	1.54	1.54	0 %100
54	M59	Z	-2.667	-2.667	0 %100
55	M60	X	.385	.385	0 %100
56	M60	Z	-.667	-.667	0 %100
57	M68	X	.004	.004	0 %100
58	M68	Z	-.006	-.006	0 %100
59	M70	X	.258	.258	0 %100
60	M70	Z	-.447	-.447	0 %100
61	M71A	X	1.29	1.29	0 %100
62	M71A	Z	-2.235	-2.235	0 %100
63	M73	X	.768	.768	0 %100
64	M73	Z	-1.329	-1.329	0 %100
65	M74	X	1.444	1.444	0 %100
66	M74	Z	-2.502	-2.502	0 %100
67	M75	X	.258	.258	0 %100
68	M75	Z	-.447	-.447	0 %100
69	M76	X	1.29	1.29	0 %100
70	M76	Z	-2.235	-2.235	0 %100
71	M80	X	1.032	1.032	0 %100
72	M80	Z	-1.787	-1.787	0 %100
73	M81	X	1.29	1.29	0 %100
74	M81	Z	-2.235	-2.235	0 %100
75	M85	X	1.393	1.393	0 %100
76	M85	Z	-2.412	-2.412	0 %100
77	M86	X	1.584	1.584	0 %100
78	M86	Z	-2.743	-2.743	0 %100
79	M87	X	1.393	1.393	0 %100
80	M87	Z	-2.412	-2.412	0 %100
81	MP3C	X	1.137	1.137	0 %100
82	MP3C	Z	-1.969	-1.969	0 %100
83	MP3B	X	1.137	1.137	0 %100
84	MP3B	Z	-1.969	-1.969	0 %100
85	MP4A	X	1.137	1.137	0 %100
86	MP4A	Z	-1.969	-1.969	0 %100
87	MP4C	X	1.137	1.137	0 %100
88	MP4C	Z	-1.969	-1.969	0 %100
89	MP4B	X	1.137	1.137	0 %100
90	MP4B	Z	-1.969	-1.969	0 %100
91	M89A	X	.775	.775	0 %100
92	M89A	Z	-1.342	-1.342	0 %100
93	M90	X	1.441	1.441	0 %100
94	M90	Z	-2.495	-2.495	0 %100
95	M91A	X	.781	.781	0 %100
96	M91A	Z	-1.353	-1.353	0 %100
97	M94A	X	.884	.884	0 %100
98	M94A	Z	-1.532	-1.532	0 %100
99	M95A	X	.105	.105	0 %100
100	M95A	Z	-.182	-.182	0 %100
101	M96	X	.101	.101	0 %100
102	M96	Z	-.175	-.175	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	.776	.776	0 %100
2	M1	Z	-.448	-.448	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
3	M7	X	.776	.776	0 %100
4	M7	Z	-.448	-.448	0 %100
5	M12	X	1.713	1.713	0 %100
6	M12	Z	-.989	-.989	0 %100
7	M13	X	1.385	1.385	0 %100
8	M13	Z	-.8	-.8	0 %100
9	M26	X	.492	.492	0 %100
10	M26	Z	-.284	-.284	0 %100
11	MP1A	X	1.969	1.969	0 %100
12	MP1A	Z	-1.137	-1.137	0 %100
13	M58A	X	0	0	0 %100
14	M58A	Z	0	0	0 %100
15	M59A	X	0	0	0 %100
16	M59A	Z	0	0	0 %100
17	M64B	X	1.713	1.713	0 %100
18	M64B	Z	-.989	-.989	0 %100
19	M65B	X	1.385	1.385	0 %100
20	M65B	Z	-.8	-.8	0 %100
21	M65C	X	3.103	3.103	0 %100
22	M65C	Z	-1.792	-1.792	0 %100
23	M66A	X	.776	.776	0 %100
24	M66A	Z	-.448	-.448	0 %100
25	M65D	X	3.103	3.103	0 %100
26	M65D	Z	-1.792	-1.792	0 %100
27	M66B	X	.776	.776	0 %100
28	M66B	Z	-.448	-.448	0 %100
29	MP2A	X	1.969	1.969	0 %100
30	MP2A	Z	-1.137	-1.137	0 %100
31	MP3A	X	1.969	1.969	0 %100
32	MP3A	Z	-1.137	-1.137	0 %100
33	MP5A	X	1.969	1.969	0 %100
34	MP5A	Z	-1.137	-1.137	0 %100
35	M33	X	1.969	1.969	0 %100
36	M33	Z	-1.137	-1.137	0 %100
37	MP1C	X	1.969	1.969	0 %100
38	MP1C	Z	-1.137	-1.137	0 %100
39	MP2C	X	1.969	1.969	0 %100
40	MP2C	Z	-1.137	-1.137	0 %100
41	MP5C	X	1.969	1.969	0 %100
42	MP5C	Z	-1.137	-1.137	0 %100
43	M46	X	.492	.492	0 %100
44	M46	Z	-.284	-.284	0 %100
45	MP1B	X	1.969	1.969	0 %100
46	MP1B	Z	-1.137	-1.137	0 %100
47	MP2B	X	1.969	1.969	0 %100
48	MP2B	Z	-1.137	-1.137	0 %100
49	MP5B	X	1.969	1.969	0 %100
50	MP5B	Z	-1.137	-1.137	0 %100
51	M58	X	0	0	0 %100
52	M58	Z	0	0	0 %100
53	M59	X	2	2	0 %100
54	M59	Z	-1.155	-1.155	0 %100
55	M60	X	2	2	0 %100
56	M60	Z	-1.155	-1.155	0 %100
57	M68	X	.578	.578	0 %100
58	M68	Z	-.334	-.334	0 %100
59	M70	X	1.34	1.34	0 %100
60	M70	Z	-.774	-.774	0 %100
61	M71A	X	2.235	2.235	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
62	M71A	Z	-1.29	-1.29	0	%100
63	M73	X	.176	.176	0	%100
64	M73	Z	-.102	-.102	0	%100
65	M74	X	1.334	1.334	0	%100
66	M74	Z	-.77	-.77	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	2.235	2.235	0	%100
70	M76	Z	-1.29	-1.29	0	%100
71	M80	X	1.34	1.34	0	%100
72	M80	Z	-.774	-.774	0	%100
73	M81	X	2.235	2.235	0	%100
74	M81	Z	-1.29	-1.29	0	%100
75	M85	X	2.302	2.302	0	%100
76	M85	Z	-1.329	-1.329	0	%100
77	M86	X	2.633	2.633	0	%100
78	M86	Z	-1.52	-1.52	0	%100
79	M87	X	2.633	2.633	0	%100
80	M87	Z	-1.52	-1.52	0	%100
81	MP3C	X	1.969	1.969	0	%100
82	MP3C	Z	-1.137	-1.137	0	%100
83	MP3B	X	1.969	1.969	0	%100
84	MP3B	Z	-1.137	-1.137	0	%100
85	MP4A	X	1.969	1.969	0	%100
86	MP4A	Z	-1.137	-1.137	0	%100
87	MP4C	X	1.969	1.969	0	%100
88	MP4C	Z	-1.137	-1.137	0	%100
89	MP4B	X	1.969	1.969	0	%100
90	MP4B	Z	-1.137	-1.137	0	%100
91	M89A	X	.388	.388	0	%100
92	M89A	Z	-.224	-.224	0	%100
93	M90	X	2.489	2.489	0	%100
94	M90	Z	-1.437	-1.437	0	%100
95	M91A	X	2.511	2.511	0	%100
96	M91A	Z	-1.45	-1.45	0	%100
97	M94A	X	1.914	1.914	0	%100
98	M94A	Z	-1.105	-1.105	0	%100
99	M95A	X	1.342	1.342	0	%100
100	M95A	Z	-.775	-.775	0	%100
101	M96	X	.185	.185	0	%100
102	M96	Z	-.107	-.107	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	2.638	2.638	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	2.132	2.132	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	2.274	2.274	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	.659	.659	0	%100
14	M58A	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
15	M59A	X	.533	.533	0 %100
16	M59A	Z	0	0	0 %100
17	M64B	X	.659	.659	0 %100
18	M64B	Z	0	0	0 %100
19	M65B	X	.533	.533	0 %100
20	M65B	Z	0	0	0 %100
21	M65C	X	2.688	2.688	0 %100
22	M65C	Z	0	0	0 %100
23	M66A	X	2.688	2.688	0 %100
24	M66A	Z	0	0	0 %100
25	M65D	X	2.688	2.688	0 %100
26	M65D	Z	0	0	0 %100
27	M66B	X	2.688	2.688	0 %100
28	M66B	Z	0	0	0 %100
29	MP2A	X	2.274	2.274	0 %100
30	MP2A	Z	0	0	0 %100
31	MP3A	X	2.274	2.274	0 %100
32	MP3A	Z	0	0	0 %100
33	MP5A	X	2.274	2.274	0 %100
34	MP5A	Z	0	0	0 %100
35	M33	X	1.705	1.705	0 %100
36	M33	Z	0	0	0 %100
37	MP1C	X	2.274	2.274	0 %100
38	MP1C	Z	0	0	0 %100
39	MP2C	X	2.274	2.274	0 %100
40	MP2C	Z	0	0	0 %100
41	MP5C	X	2.274	2.274	0 %100
42	MP5C	Z	0	0	0 %100
43	M46	X	1.705	1.705	0 %100
44	M46	Z	0	0	0 %100
45	MP1B	X	2.274	2.274	0 %100
46	MP1B	Z	0	0	0 %100
47	MP2B	X	2.274	2.274	0 %100
48	MP2B	Z	0	0	0 %100
49	MP5B	X	2.274	2.274	0 %100
50	MP5B	Z	0	0	0 %100
51	M58	X	.77	.77	0 %100
52	M58	Z	0	0	0 %100
53	M59	X	.77	.77	0 %100
54	M59	Z	0	0	0 %100
55	M60	X	3.08	3.08	0 %100
56	M60	Z	0	0	0 %100
57	M68	X	1.768	1.768	0 %100
58	M68	Z	0	0	0 %100
59	M70	X	2.063	2.063	0 %100
60	M70	Z	0	0	0 %100
61	M71A	X	2.581	2.581	0 %100
62	M71A	Z	0	0	0 %100
63	M73	X	.21	.21	0 %100
64	M73	Z	0	0	0 %100
65	M74	X	.202	.202	0 %100
66	M74	Z	0	0	0 %100
67	M75	X	.516	.516	0 %100
68	M75	Z	0	0	0 %100
69	M76	X	2.581	2.581	0 %100
70	M76	Z	0	0	0 %100
71	M80	X	.516	.516	0 %100
72	M80	Z	0	0	0 %100
73	M81	X	2.581	2.581	0 %100



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

	Member Label	Direction	Start Magnitude[ib/ft.F,ksf]	End Magnitude[ib/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
74	M81	Z	0	0	0	%100
75	M85	X	2.785	2.785	0	%100
76	M85	Z	0	0	0	%100
77	M86	X	2.785	2.785	0	%100
78	M86	Z	0	0	0	%100
79	M87	X	3.168	3.168	0	%100
80	M87	Z	0	0	0	%100
81	MP3C	X	2.274	2.274	0	%100
82	MP3C	Z	0	0	0	%100
83	MP3B	X	2.274	2.274	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4A	X	2.274	2.274	0	%100
86	MP4A	Z	0	0	0	%100
87	MP4C	X	2.274	2.274	0	%100
88	MP4C	Z	0	0	0	%100
89	MP4B	X	2.274	2.274	0	%100
90	MP4B	Z	0	0	0	%100
91	M89A	X	.007	.007	0	%100
92	M89A	Z	0	0	0	%100
93	M90	X	1.535	1.535	0	%100
94	M90	Z	0	0	0	%100
95	M91A	X	2.889	2.889	0	%100
96	M91A	Z	0	0	0	%100
97	M94A	X	1.55	1.55	0	%100
98	M94A	Z	0	0	0	%100
99	M95A	X	2.881	2.881	0	%100
100	M95A	Z	0	0	0	%100
101	M96	X	1.562	1.562	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[ib/ft.F,ksf]	End Magnitude[ib/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	.776	.776	0	%100
2	M1	Z	.448	.448	0	%100
3	M7	X	.776	.776	0	%100
4	M7	Z	.448	.448	0	%100
5	M12	X	1.713	1.713	0	%100
6	M12	Z	.989	.989	0	%100
7	M13	X	1.385	1.385	0	%100
8	M13	Z	.8	.8	0	%100
9	M26	X	.492	.492	0	%100
10	M26	Z	.284	.284	0	%100
11	MP1A	X	1.969	1.969	0	%100
12	MP1A	Z	1.137	1.137	0	%100
13	M58A	X	1.713	1.713	0	%100
14	M58A	Z	.989	.989	0	%100
15	M59A	X	1.385	1.385	0	%100
16	M59A	Z	.8	.8	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.776	.776	0	%100
22	M65C	Z	.448	.448	0	%100
23	M66A	X	3.103	3.103	0	%100
24	M66A	Z	1.792	1.792	0	%100
25	M65D	X	.776	.776	0	%100
26	M65D	Z	.448	.448	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
27	M66B	X	3.103	3.103	0 %100
28	M66B	Z	1.792	1.792	0 %100
29	MP2A	X	1.969	1.969	0 %100
30	MP2A	Z	1.137	1.137	0 %100
31	MP3A	X	1.969	1.969	0 %100
32	MP3A	Z	1.137	1.137	0 %100
33	MP5A	X	1.969	1.969	0 %100
34	MP5A	Z	1.137	1.137	0 %100
35	M33	X	.492	.492	0 %100
36	M33	Z	.284	.284	0 %100
37	MP1C	X	1.969	1.969	0 %100
38	MP1C	Z	1.137	1.137	0 %100
39	MP2C	X	1.969	1.969	0 %100
40	MP2C	Z	1.137	1.137	0 %100
41	MP5C	X	1.969	1.969	0 %100
42	MP5C	Z	1.137	1.137	0 %100
43	M46	X	1.969	1.969	0 %100
44	M46	Z	1.137	1.137	0 %100
45	MP1B	X	1.969	1.969	0 %100
46	MP1B	Z	1.137	1.137	0 %100
47	MP2B	X	1.969	1.969	0 %100
48	MP2B	Z	1.137	1.137	0 %100
49	MP5B	X	1.969	1.969	0 %100
50	MP5B	Z	1.137	1.137	0 %100
51	M58	X	2	2	0 %100
52	M58	Z	1.155	1.155	0 %100
53	M59	X	0	0	0 %100
54	M59	Z	0	0	0 %100
55	M60	X	2	2	0 %100
56	M60	Z	1.155	1.155	0 %100
57	M68	X	1.914	1.914	0 %100
58	M68	Z	1.105	1.105	0 %100
59	M70	X	1.34	1.34	0 %100
60	M70	Z	.774	.774	0 %100
61	M71A	X	2.235	2.235	0 %100
62	M71A	Z	1.29	1.29	0 %100
63	M73	X	1.342	1.342	0 %100
64	M73	Z	.775	.775	0 %100
65	M74	X	.185	.185	0 %100
66	M74	Z	.107	.107	0 %100
67	M75	X	1.34	1.34	0 %100
68	M75	Z	.774	.774	0 %100
69	M76	X	2.235	2.235	0 %100
70	M76	Z	1.29	1.29	0 %100
71	M80	X	0	0	0 %100
72	M80	Z	0	0	0 %100
73	M81	X	2.235	2.235	0 %100
74	M81	Z	1.29	1.29	0 %100
75	M85	X	2.633	2.633	0 %100
76	M85	Z	1.52	1.52	0 %100
77	M86	X	2.302	2.302	0 %100
78	M86	Z	1.329	1.329	0 %100
79	M87	X	2.633	2.633	0 %100
80	M87	Z	1.52	1.52	0 %100
81	MP3C	X	1.969	1.969	0 %100
82	MP3C	Z	1.137	1.137	0 %100
83	MP3B	X	1.969	1.969	0 %100
84	MP3B	Z	1.137	1.137	0 %100
85	MP4A	X	1.969	1.969	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
86	MP4A	Z	1.137	1.137	0	%100
87	MP4C	X	1.969	1.969	0	%100
88	MP4C	Z	1.137	1.137	0	%100
89	MP4B	X	1.969	1.969	0	%100
90	MP4B	Z	1.137	1.137	0	%100
91	M89A	X	.578	.578	0	%100
92	M89A	Z	.334	.334	0	%100
93	M90	X	.176	.176	0	%100
94	M90	Z	.102	.102	0	%100
95	M91A	X	1.334	1.334	0	%100
96	M91A	Z	.77	.77	0	%100
97	M94A	X	.388	.388	0	%100
98	M94A	Z	.224	.224	0	%100
99	M95A	X	2.489	2.489	0	%100
100	M95A	Z	1.437	1.437	0	%100
101	M96	X	2.511	2.511	0	%100
102	M96	Z	1.45	1.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	1.344	1.344	0	%100
2	M1	Z	2.328	2.328	0	%100
3	M7	X	1.344	1.344	0	%100
4	M7	Z	2.328	2.328	0	%100
5	M12	X	.33	.33	0	%100
6	M12	Z	.571	.571	0	%100
7	M13	X	.267	.267	0	%100
8	M13	Z	.462	.462	0	%100
9	M26	X	.853	.853	0	%100
10	M26	Z	1.477	1.477	0	%100
11	MP1A	X	1.137	1.137	0	%100
12	MP1A	Z	1.969	1.969	0	%100
13	M58A	X	1.319	1.319	0	%100
14	M58A	Z	2.284	2.284	0	%100
15	M59A	X	1.066	1.066	0	%100
16	M59A	Z	1.847	1.847	0	%100
17	M64B	X	.33	.33	0	%100
18	M64B	Z	.571	.571	0	%100
19	M65B	X	.267	.267	0	%100
20	M65B	Z	.462	.462	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	1.344	1.344	0	%100
24	M66A	Z	2.328	2.328	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	1.344	1.344	0	%100
28	M66B	Z	2.328	2.328	0	%100
29	MP2A	X	1.137	1.137	0	%100
30	MP2A	Z	1.969	1.969	0	%100
31	MP3A	X	1.137	1.137	0	%100
32	MP3A	Z	1.969	1.969	0	%100
33	MP5A	X	1.137	1.137	0	%100
34	MP5A	Z	1.969	1.969	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	1.137	1.137	0	%100
38	MP1C	Z	1.969	1.969	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
39	MP2C	X	1.137	1.137	0	%100
40	MP2C	Z	1.969	1.969	0	%100
41	MP5C	X	1.137	1.137	0	%100
42	MP5C	Z	1.969	1.969	0	%100
43	M46	X	.853	.853	0	%100
44	M46	Z	1.477	1.477	0	%100
45	MP1B	X	1.137	1.137	0	%100
46	MP1B	Z	1.969	1.969	0	%100
47	MP2B	X	1.137	1.137	0	%100
48	MP2B	Z	1.969	1.969	0	%100
49	MP5B	X	1.137	1.137	0	%100
50	MP5B	Z	1.969	1.969	0	%100
51	M58	X	1.54	1.54	0	%100
52	M58	Z	2.667	2.667	0	%100
53	M59	X	.385	.385	0	%100
54	M59	Z	.667	.667	0	%100
55	M60	X	.385	.385	0	%100
56	M60	Z	.667	.667	0	%100
57	M68	X	.775	.775	0	%100
58	M68	Z	1.342	1.342	0	%100
59	M70	X	.258	.258	0	%100
60	M70	Z	.447	.447	0	%100
61	M71A	X	1.29	1.29	0	%100
62	M71A	Z	2.235	2.235	0	%100
63	M73	X	1.441	1.441	0	%100
64	M73	Z	2.495	2.495	0	%100
65	M74	X	.781	.781	0	%100
66	M74	Z	1.353	1.353	0	%100
67	M75	X	1.032	1.032	0	%100
68	M75	Z	1.787	1.787	0	%100
69	M76	X	1.29	1.29	0	%100
70	M76	Z	2.235	2.235	0	%100
71	M80	X	.258	.258	0	%100
72	M80	Z	.447	.447	0	%100
73	M81	X	1.29	1.29	0	%100
74	M81	Z	2.235	2.235	0	%100
75	M85	X	1.584	1.584	0	%100
76	M85	Z	2.743	2.743	0	%100
77	M86	X	1.393	1.393	0	%100
78	M86	Z	2.412	2.412	0	%100
79	M87	X	1.393	1.393	0	%100
80	M87	Z	2.412	2.412	0	%100
81	MP3C	X	1.137	1.137	0	%100
82	MP3C	Z	1.969	1.969	0	%100
83	MP3B	X	1.137	1.137	0	%100
84	MP3B	Z	1.969	1.969	0	%100
85	MP4A	X	1.137	1.137	0	%100
86	MP4A	Z	1.969	1.969	0	%100
87	MP4C	X	1.137	1.137	0	%100
88	MP4C	Z	1.969	1.969	0	%100
89	MP4B	X	1.137	1.137	0	%100
90	MP4B	Z	1.969	1.969	0	%100
91	M89A	X	.884	.884	0	%100
92	M89A	Z	1.532	1.532	0	%100
93	M90	X	.105	.105	0	%100
94	M90	Z	.182	.182	0	%100
95	M91A	X	.101	.101	0	%100
96	M91A	Z	.175	.175	0	%100
97	M94A	X	.004	.004	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Locationft...	End Locationft...
98	M94A	Z	.006	.006	0	%100
99	M95A	X	.768	.768	0	%100
100	M95A	Z	1.329	1.329	0	%100
101	M96	X	1.444	1.444	0	%100
102	M96	Z	2.502	2.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Locationft...	End Locationft...
1	M1	X	0	0	0	%100
2	M1	Z	3.584	3.584	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	3.584	3.584	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	2.274	2.274	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	2.274	2.274	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	1.978	1.978	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	1.599	1.599	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	1.978	1.978	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	1.599	1.599	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	.896	.896	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	.896	.896	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	.896	.896	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	.896	.896	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	2.274	2.274	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	2.274	2.274	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	2.274	2.274	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.568	.568	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	2.274	2.274	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	2.274	2.274	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	2.274	2.274	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	.568	.568	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	2.274	2.274	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	2.274	2.274	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	2.274	2.274	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
51	M58	X	0	0	%100
52	M58	Z	2.31	2.31	%100
53	M59	X	0	0	%100
54	M59	Z	2.31	2.31	%100
55	M60	X	0	0	%100
56	M60	Z	0	0	%100
57	M68	X	0	0	%100
58	M68	Z	.449	.449	%100
59	M70	X	0	0	%100
60	M70	Z	0	0	%100
61	M71A	X	0	0	%100
62	M71A	Z	2.581	2.581	%100
63	M73	X	0	0	%100
64	M73	Z	2.874	2.874	%100
65	M74	X	0	0	%100
66	M74	Z	2.9	2.9	%100
67	M75	X	0	0	%100
68	M75	Z	1.547	1.547	%100
69	M76	X	0	0	%100
70	M76	Z	2.581	2.581	%100
71	M80	X	0	0	%100
72	M80	Z	1.547	1.547	%100
73	M81	X	0	0	%100
74	M81	Z	2.581	2.581	%100
75	M85	X	0	0	%100
76	M85	Z	3.04	3.04	%100
77	M86	X	0	0	%100
78	M86	Z	3.04	3.04	%100
79	M87	X	0	0	%100
80	M87	Z	2.658	2.658	%100
81	MP3C	X	0	0	%100
82	MP3C	Z	2.274	2.274	%100
83	MP3B	X	0	0	%100
84	MP3B	Z	2.274	2.274	%100
85	MP4A	X	0	0	%100
86	MP4A	Z	2.274	2.274	%100
87	MP4C	X	0	0	%100
88	MP4C	Z	2.274	2.274	%100
89	MP4B	X	0	0	%100
90	MP4B	Z	2.274	2.274	%100
91	M89A	X	0	0	%100
92	M89A	Z	2.21	2.21	%100
93	M90	X	0	0	%100
94	M90	Z	1.549	1.549	%100
95	M91A	X	0	0	%100
96	M91A	Z	.213	.213	%100
97	M94A	X	0	0	%100
98	M94A	Z	.667	.667	%100
99	M95A	X	0	0	%100
100	M95A	Z	.203	.203	%100
101	M96	X	0	0	%100
102	M96	Z	1.54	1.54	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	-1.344	0	%100
2	M1	Z	2.328	0	%100
3	M7	X	-1.344	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
4	M7	Z	2.328	2.328	0 %100
5	M12	X	-.33	-.33	0 %100
6	M12	Z	.571	.571	0 %100
7	M13	X	-.267	-.267	0 %100
8	M13	Z	.462	.462	0 %100
9	M26	X	-.853	-.853	0 %100
10	M26	Z	1.477	1.477	0 %100
11	MP1A	X	-1.137	-1.137	0 %100
12	MP1A	Z	1.969	1.969	0 %100
13	M58A	X	-.33	-.33	0 %100
14	M58A	Z	.571	.571	0 %100
15	M59A	X	-.267	-.267	0 %100
16	M59A	Z	.462	.462	0 %100
17	M64B	X	-1.319	-1.319	0 %100
18	M64B	Z	2.284	2.284	0 %100
19	M65B	X	-1.066	-1.066	0 %100
20	M65B	Z	1.847	1.847	0 %100
21	M65C	X	-1.344	-1.344	0 %100
22	M65C	Z	2.328	2.328	0 %100
23	M66A	X	0	0	0 %100
24	M66A	Z	0	0	0 %100
25	M65D	X	-1.344	-1.344	0 %100
26	M65D	Z	2.328	2.328	0 %100
27	M66B	X	0	0	0 %100
28	M66B	Z	0	0	0 %100
29	MP2A	X	-1.137	-1.137	0 %100
30	MP2A	Z	1.969	1.969	0 %100
31	MP3A	X	-1.137	-1.137	0 %100
32	MP3A	Z	1.969	1.969	0 %100
33	MP5A	X	-1.137	-1.137	0 %100
34	MP5A	Z	1.969	1.969	0 %100
35	M33	X	-.853	-.853	0 %100
36	M33	Z	1.477	1.477	0 %100
37	MP1C	X	-1.137	-1.137	0 %100
38	MP1C	Z	1.969	1.969	0 %100
39	MP2C	X	-1.137	-1.137	0 %100
40	MP2C	Z	1.969	1.969	0 %100
41	MP5C	X	-1.137	-1.137	0 %100
42	MP5C	Z	1.969	1.969	0 %100
43	M46	X	0	0	0 %100
44	M46	Z	0	0	0 %100
45	MP1B	X	-1.137	-1.137	0 %100
46	MP1B	Z	1.969	1.969	0 %100
47	MP2B	X	-1.137	-1.137	0 %100
48	MP2B	Z	1.969	1.969	0 %100
49	MP5B	X	-1.137	-1.137	0 %100
50	MP5B	Z	1.969	1.969	0 %100
51	M58	X	-.385	-.385	0 %100
52	M58	Z	.667	.667	0 %100
53	M59	X	-1.54	-1.54	0 %100
54	M59	Z	2.667	2.667	0 %100
55	M60	X	-.385	-.385	0 %100
56	M60	Z	.667	.667	0 %100
57	M68	X	-.004	-.004	0 %100
58	M68	Z	.006	.006	0 %100
59	M70	X	-.258	-.258	0 %100
60	M70	Z	.447	.447	0 %100
61	M71A	X	-1.29	-1.29	0 %100
62	M71A	Z	2.235	2.235	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
63	M73	X	-.768	-.768	0	%100
64	M73	Z	1.329	1.329	0	%100
65	M74	X	-1.444	-1.444	0	%100
66	M74	Z	2.502	2.502	0	%100
67	M75	X	-.258	-.258	0	%100
68	M75	Z	.447	.447	0	%100
69	M76	X	-1.29	-1.29	0	%100
70	M76	Z	2.235	2.235	0	%100
71	M80	X	-1.032	-1.032	0	%100
72	M80	Z	1.787	1.787	0	%100
73	M81	X	-1.29	-1.29	0	%100
74	M81	Z	2.235	2.235	0	%100
75	M85	X	-1.393	-1.393	0	%100
76	M85	Z	2.412	2.412	0	%100
77	M86	X	-1.584	-1.584	0	%100
78	M86	Z	2.743	2.743	0	%100
79	M87	X	-1.393	-1.393	0	%100
80	M87	Z	2.412	2.412	0	%100
81	MP3C	X	-1.137	-1.137	0	%100
82	MP3C	Z	1.969	1.969	0	%100
83	MP3B	X	-1.137	-1.137	0	%100
84	MP3B	Z	1.969	1.969	0	%100
85	MP4A	X	-1.137	-1.137	0	%100
86	MP4A	Z	1.969	1.969	0	%100
87	MP4C	X	-1.137	-1.137	0	%100
88	MP4C	Z	1.969	1.969	0	%100
89	MP4B	X	-1.137	-1.137	0	%100
90	MP4B	Z	1.969	1.969	0	%100
91	M89A	X	-.775	-.775	0	%100
92	M89A	Z	1.342	1.342	0	%100
93	M90	X	-1.441	-1.441	0	%100
94	M90	Z	2.495	2.495	0	%100
95	M91A	X	-.781	-.781	0	%100
96	M91A	Z	1.353	1.353	0	%100
97	M94A	X	-.884	-.884	0	%100
98	M94A	Z	1.532	1.532	0	%100
99	M95A	X	-.105	-.105	0	%100
100	M95A	Z	.182	.182	0	%100
101	M96	X	-.101	-.101	0	%100
102	M96	Z	.175	.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	-.776	-.776	0	%100
2	M1	Z	.448	.448	0	%100
3	M7	X	-.776	-.776	0	%100
4	M7	Z	.448	.448	0	%100
5	M12	X	-1.713	-1.713	0	%100
6	M12	Z	.989	.989	0	%100
7	M13	X	-1.385	-1.385	0	%100
8	M13	Z	.8	.8	0	%100
9	M26	X	-.492	-.492	0	%100
10	M26	Z	.284	.284	0	%100
11	MP1A	X	-1.969	-1.969	0	%100
12	MP1A	Z	1.137	1.137	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude/lb/ft.F.ksf	End Magnitude/lb/ft.F.ksf	Start Location/ft.	End Location/ft.
16	M59A	Z	0	0	%100
17	M64B	X	-1.713	-1.713	0
18	M64B	Z	.989	.989	0
19	M65B	X	-1.385	-1.385	0
20	M65B	Z	.8	.8	0
21	M65C	X	-3.103	-3.103	0
22	M65C	Z	1.792	1.792	0
23	M66A	X	-.776	-.776	0
24	M66A	Z	.448	.448	0
25	M65D	X	-3.103	-3.103	0
26	M65D	Z	1.792	1.792	0
27	M66B	X	-.776	-.776	0
28	M66B	Z	.448	.448	0
29	MP2A	X	-1.969	-1.969	0
30	MP2A	Z	1.137	1.137	0
31	MP3A	X	-1.969	-1.969	0
32	MP3A	Z	1.137	1.137	0
33	MP5A	X	-1.969	-1.969	0
34	MP5A	Z	1.137	1.137	0
35	M33	X	-1.969	-1.969	0
36	M33	Z	1.137	1.137	0
37	MP1C	X	-1.969	-1.969	0
38	MP1C	Z	1.137	1.137	0
39	MP2C	X	-1.969	-1.969	0
40	MP2C	Z	1.137	1.137	0
41	MP5C	X	-1.969	-1.969	0
42	MP5C	Z	1.137	1.137	0
43	M46	X	-.492	-.492	0
44	M46	Z	.284	.284	0
45	MP1B	X	-1.969	-1.969	0
46	MP1B	Z	1.137	1.137	0
47	MP2B	X	-1.969	-1.969	0
48	MP2B	Z	1.137	1.137	0
49	MP5B	X	-1.969	-1.969	0
50	MP5B	Z	1.137	1.137	0
51	M58	X	0	0	0
52	M58	Z	0	0	0
53	M59	X	-2	-2	0
54	M59	Z	1.155	1.155	0
55	M60	X	-2	-2	0
56	M60	Z	1.155	1.155	0
57	M68	X	-.578	-.578	0
58	M68	Z	.334	.334	0
59	M70	X	-1.34	-1.34	0
60	M70	Z	.774	.774	0
61	M71A	X	-2.235	-2.235	0
62	M71A	Z	1.29	1.29	0
63	M73	X	-.176	-.176	0
64	M73	Z	.102	.102	0
65	M74	X	-1.334	-1.334	0
66	M74	Z	.77	.77	0
67	M75	X	0	0	0
68	M75	Z	0	0	0
69	M76	X	-2.235	-2.235	0
70	M76	Z	1.29	1.29	0
71	M80	X	-1.34	-1.34	0
72	M80	Z	.774	.774	0
73	M81	X	-2.235	-2.235	0
74	M81	Z	1.29	1.29	0

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
75	M85	X	-2.302	-2.302	0	%100
76	M85	Z	1.329	1.329	0	%100
77	M86	X	-2.633	-2.633	0	%100
78	M86	Z	1.52	1.52	0	%100
79	M87	X	-2.633	-2.633	0	%100
80	M87	Z	1.52	1.52	0	%100
81	MP3C	X	-1.969	-1.969	0	%100
82	MP3C	Z	1.137	1.137	0	%100
83	MP3B	X	-1.969	-1.969	0	%100
84	MP3B	Z	1.137	1.137	0	%100
85	MP4A	X	-1.969	-1.969	0	%100
86	MP4A	Z	1.137	1.137	0	%100
87	MP4C	X	-1.969	-1.969	0	%100
88	MP4C	Z	1.137	1.137	0	%100
89	MP4B	X	-1.969	-1.969	0	%100
90	MP4B	Z	1.137	1.137	0	%100
91	M89A	X	-.388	-.388	0	%100
92	M89A	Z	.224	.224	0	%100
93	M90	X	-2.489	-2.489	0	%100
94	M90	Z	1.437	1.437	0	%100
95	M91A	X	-2.511	-2.511	0	%100
96	M91A	Z	1.45	1.45	0	%100
97	M94A	X	-1.914	-1.914	0	%100
98	M94A	Z	1.105	1.105	0	%100
99	M95A	X	-1.342	-1.342	0	%100
100	M95A	Z	.775	.775	0	%100
101	M96	X	-.185	-.185	0	%100
102	M96	Z	.107	.107	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-2.638	-2.638	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-2.132	-2.132	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-2.274	-2.274	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-.659	-.659	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-.533	-.533	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.659	-.659	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-.533	-.533	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-2.688	-2.688	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-2.688	-2.688	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-2.688	-2.688	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-2.688	-2.688	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Locationft...	End Locationft...
28	M66B	Z	0	0	0	%100
29	MP2A	X	-2.274	-2.274	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-2.274	-2.274	0	%100
32	MP3A	Z	0	0	0	%100
33	MP5A	X	-2.274	-2.274	0	%100
34	MP5A	Z	0	0	0	%100
35	M33	X	-1.705	-1.705	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-2.274	-2.274	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-2.274	-2.274	0	%100
40	MP2C	Z	0	0	0	%100
41	MP5C	X	-2.274	-2.274	0	%100
42	MP5C	Z	0	0	0	%100
43	M46	X	-1.705	-1.705	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-2.274	-2.274	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-2.274	-2.274	0	%100
48	MP2B	Z	0	0	0	%100
49	MP5B	X	-2.274	-2.274	0	%100
50	MP5B	Z	0	0	0	%100
51	M58	X	-.77	-.77	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-.77	-.77	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-3.08	-3.08	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	-1.768	-1.768	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	-2.063	-2.063	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	-2.581	-2.581	0	%100
62	M71A	Z	0	0	0	%100
63	M73	X	-.21	-.21	0	%100
64	M73	Z	0	0	0	%100
65	M74	X	-.202	-.202	0	%100
66	M74	Z	0	0	0	%100
67	M75	X	-.516	-.516	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	-2.581	-2.581	0	%100
70	M76	Z	0	0	0	%100
71	M80	X	-.516	-.516	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	-2.581	-2.581	0	%100
74	M81	Z	0	0	0	%100
75	M85	X	-2.785	-2.785	0	%100
76	M85	Z	0	0	0	%100
77	M86	X	-2.785	-2.785	0	%100
78	M86	Z	0	0	0	%100
79	M87	X	-3.168	-3.168	0	%100
80	M87	Z	0	0	0	%100
81	MP3C	X	-2.274	-2.274	0	%100
82	MP3C	Z	0	0	0	%100
83	MP3B	X	-2.274	-2.274	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4A	X	-2.274	-2.274	0	%100
86	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...
87	MP4C	X	-2.274	-2.274	0	%100
88	MP4C	Z	0	0	0	%100
89	MP4B	X	-2.274	-2.274	0	%100
90	MP4B	Z	0	0	0	%100
91	M89A	X	-0.007	-0.007	0	%100
92	M89A	Z	0	0	0	%100
93	M90	X	-1.535	-1.535	0	%100
94	M90	Z	0	0	0	%100
95	M91A	X	-2.889	-2.889	0	%100
96	M91A	Z	0	0	0	%100
97	M94A	X	-1.55	-1.55	0	%100
98	M94A	Z	0	0	0	%100
99	M95A	X	-2.881	-2.881	0	%100
100	M95A	Z	0	0	0	%100
101	M96	X	-1.562	-1.562	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...
1	M1	X	-0.776	-0.776	0	%100
2	M1	Z	-0.448	-0.448	0	%100
3	M7	X	-0.776	-0.776	0	%100
4	M7	Z	-0.448	-0.448	0	%100
5	M12	X	-1.713	-1.713	0	%100
6	M12	Z	-0.989	-0.989	0	%100
7	M13	X	-1.385	-1.385	0	%100
8	M13	Z	-0.8	-0.8	0	%100
9	M26	X	-0.492	-0.492	0	%100
10	M26	Z	-0.284	-0.284	0	%100
11	MP1A	X	-1.969	-1.969	0	%100
12	MP1A	Z	-1.137	-1.137	0	%100
13	M58A	X	-1.713	-1.713	0	%100
14	M58A	Z	-0.989	-0.989	0	%100
15	M59A	X	-1.385	-1.385	0	%100
16	M59A	Z	-0.8	-0.8	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-0.776	-0.776	0	%100
22	M65C	Z	-0.448	-0.448	0	%100
23	M66A	X	-3.103	-3.103	0	%100
24	M66A	Z	-1.792	-1.792	0	%100
25	M65D	X	-0.776	-0.776	0	%100
26	M65D	Z	-0.448	-0.448	0	%100
27	M66B	X	-3.103	-3.103	0	%100
28	M66B	Z	-1.792	-1.792	0	%100
29	MP2A	X	-1.969	-1.969	0	%100
30	MP2A	Z	-1.137	-1.137	0	%100
31	MP3A	X	-1.969	-1.969	0	%100
32	MP3A	Z	-1.137	-1.137	0	%100
33	MP5A	X	-1.969	-1.969	0	%100
34	MP5A	Z	-1.137	-1.137	0	%100
35	M33	X	-0.492	-0.492	0	%100
36	M33	Z	-0.284	-0.284	0	%100
37	MP1C	X	-1.969	-1.969	0	%100
38	MP1C	Z	-1.137	-1.137	0	%100
39	MP2C	X	-1.969	-1.969	0	%100



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

Member Label	Direction	Start Magnitude lb./ft.F.ksfl	End Magnitude lb./ft.F.ksfl	Start Locationft.	End Locationft.
40	MP2C	Z	-1.137	-1.137	0 %100
41	MP5C	X	-1.969	-1.969	0 %100
42	MP5C	Z	-1.137	-1.137	0 %100
43	M46	X	-1.969	-1.969	0 %100
44	M46	Z	-1.137	-1.137	0 %100
45	MP1B	X	-1.969	-1.969	0 %100
46	MP1B	Z	-1.137	-1.137	0 %100
47	MP2B	X	-1.969	-1.969	0 %100
48	MP2B	Z	-1.137	-1.137	0 %100
49	MP5B	X	-1.969	-1.969	0 %100
50	MP5B	Z	-1.137	-1.137	0 %100
51	M58	X	-2	-2	0 %100
52	M58	Z	-1.155	-1.155	0 %100
53	M59	X	0	0	0 %100
54	M59	Z	0	0	0 %100
55	M60	X	-2	-2	0 %100
56	M60	Z	-1.155	-1.155	0 %100
57	M68	X	-1.914	-1.914	0 %100
58	M68	Z	-1.105	-1.105	0 %100
59	M70	X	-1.34	-1.34	0 %100
60	M70	Z	-.774	-.774	0 %100
61	M71A	X	-2.235	-2.235	0 %100
62	M71A	Z	-1.29	-1.29	0 %100
63	M73	X	-1.342	-1.342	0 %100
64	M73	Z	-.775	-.775	0 %100
65	M74	X	-.185	-.185	0 %100
66	M74	Z	-.107	-.107	0 %100
67	M75	X	-1.34	-1.34	0 %100
68	M75	Z	-.774	-.774	0 %100
69	M76	X	-2.235	-2.235	0 %100
70	M76	Z	-1.29	-1.29	0 %100
71	M80	X	0	0	0 %100
72	M80	Z	0	0	0 %100
73	M81	X	-2.235	-2.235	0 %100
74	M81	Z	-1.29	-1.29	0 %100
75	M85	X	-2.633	-2.633	0 %100
76	M85	Z	-1.52	-1.52	0 %100
77	M86	X	-2.302	-2.302	0 %100
78	M86	Z	-1.329	-1.329	0 %100
79	M87	X	-2.633	-2.633	0 %100
80	M87	Z	-1.52	-1.52	0 %100
81	MP3C	X	-1.969	-1.969	0 %100
82	MP3C	Z	-1.137	-1.137	0 %100
83	MP3B	X	-1.969	-1.969	0 %100
84	MP3B	Z	-1.137	-1.137	0 %100
85	MP4A	X	-1.969	-1.969	0 %100
86	MP4A	Z	-1.137	-1.137	0 %100
87	MP4C	X	-1.969	-1.969	0 %100
88	MP4C	Z	-1.137	-1.137	0 %100
89	MP4B	X	-1.969	-1.969	0 %100
90	MP4B	Z	-1.137	-1.137	0 %100
91	M89A	X	-.578	-.578	0 %100
92	M89A	Z	-.334	-.334	0 %100
93	M90	X	-.176	-.176	0 %100
94	M90	Z	-.102	-.102	0 %100
95	M91A	X	-1.334	-1.334	0 %100
96	M91A	Z	-.77	-.77	0 %100
97	M94A	X	-.388	-.388	0 %100
98	M94A	Z	-.224	-.224	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
99	M95A	X	-2.489	-2.489	0	%100
100	M95A	Z	-1.437	-1.437	0	%100
101	M96	X	-2.511	-2.511	0	%100
102	M96	Z	-1.45	-1.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	-1.344	-1.344	0	%100
2	M1	Z	-2.328	-2.328	0	%100
3	M7	X	-1.344	-1.344	0	%100
4	M7	Z	-2.328	-2.328	0	%100
5	M12	X	-.33	-.33	0	%100
6	M12	Z	-.571	-.571	0	%100
7	M13	X	-.267	-.267	0	%100
8	M13	Z	-.462	-.462	0	%100
9	M26	X	-.853	-.853	0	%100
10	M26	Z	-1.477	-1.477	0	%100
11	MP1A	X	-1.137	-1.137	0	%100
12	MP1A	Z	-1.969	-1.969	0	%100
13	M58A	X	-1.319	-1.319	0	%100
14	M58A	Z	-2.284	-2.284	0	%100
15	M59A	X	-1.066	-1.066	0	%100
16	M59A	Z	-1.847	-1.847	0	%100
17	M64B	X	-.33	-.33	0	%100
18	M64B	Z	-.571	-.571	0	%100
19	M65B	X	-.267	-.267	0	%100
20	M65B	Z	-.462	-.462	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-1.344	-1.344	0	%100
24	M66A	Z	-2.328	-2.328	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-1.344	-1.344	0	%100
28	M66B	Z	-2.328	-2.328	0	%100
29	MP2A	X	-1.137	-1.137	0	%100
30	MP2A	Z	-1.969	-1.969	0	%100
31	MP3A	X	-1.137	-1.137	0	%100
32	MP3A	Z	-1.969	-1.969	0	%100
33	MP5A	X	-1.137	-1.137	0	%100
34	MP5A	Z	-1.969	-1.969	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-1.137	-1.137	0	%100
38	MP1C	Z	-1.969	-1.969	0	%100
39	MP2C	X	-1.137	-1.137	0	%100
40	MP2C	Z	-1.969	-1.969	0	%100
41	MP5C	X	-1.137	-1.137	0	%100
42	MP5C	Z	-1.969	-1.969	0	%100
43	M46	X	-.853	-.853	0	%100
44	M46	Z	-1.477	-1.477	0	%100
45	MP1B	X	-1.137	-1.137	0	%100
46	MP1B	Z	-1.969	-1.969	0	%100
47	MP2B	X	-1.137	-1.137	0	%100
48	MP2B	Z	-1.969	-1.969	0	%100
49	MP5B	X	-1.137	-1.137	0	%100
50	MP5B	Z	-1.969	-1.969	0	%100
51	M58	X	-1.54	-1.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
52	M58	Z	-2.667	-2.667	0	%100
53	M59	X	-.385	-.385	0	%100
54	M59	Z	-.667	-.667	0	%100
55	M60	X	-.385	-.385	0	%100
56	M60	Z	-.667	-.667	0	%100
57	M68	X	-.775	-.775	0	%100
58	M68	Z	-1.342	-1.342	0	%100
59	M70	X	-.258	-.258	0	%100
60	M70	Z	-.447	-.447	0	%100
61	M71A	X	-1.29	-1.29	0	%100
62	M71A	Z	-2.235	-2.235	0	%100
63	M73	X	-1.441	-1.441	0	%100
64	M73	Z	-2.495	-2.495	0	%100
65	M74	X	-.781	-.781	0	%100
66	M74	Z	-1.353	-1.353	0	%100
67	M75	X	-1.032	-1.032	0	%100
68	M75	Z	-1.787	-1.787	0	%100
69	M76	X	-1.29	-1.29	0	%100
70	M76	Z	-2.235	-2.235	0	%100
71	M80	X	-.258	-.258	0	%100
72	M80	Z	-.447	-.447	0	%100
73	M81	X	-1.29	-1.29	0	%100
74	M81	Z	-2.235	-2.235	0	%100
75	M85	X	-1.584	-1.584	0	%100
76	M85	Z	-2.743	-2.743	0	%100
77	M86	X	-1.393	-1.393	0	%100
78	M86	Z	-2.412	-2.412	0	%100
79	M87	X	-1.393	-1.393	0	%100
80	M87	Z	-2.412	-2.412	0	%100
81	MP3C	X	-1.137	-1.137	0	%100
82	MP3C	Z	-1.969	-1.969	0	%100
83	MP3B	X	-1.137	-1.137	0	%100
84	MP3B	Z	-1.969	-1.969	0	%100
85	MP4A	X	-1.137	-1.137	0	%100
86	MP4A	Z	-1.969	-1.969	0	%100
87	MP4C	X	-1.137	-1.137	0	%100
88	MP4C	Z	-1.969	-1.969	0	%100
89	MP4B	X	-1.137	-1.137	0	%100
90	MP4B	Z	-1.969	-1.969	0	%100
91	M89A	X	-.884	-.884	0	%100
92	M89A	Z	-1.532	-1.532	0	%100
93	M90	X	-.105	-.105	0	%100
94	M90	Z	-.182	-.182	0	%100
95	M91A	X	-.101	-.101	0	%100
96	M91A	Z	-.175	-.175	0	%100
97	M94A	X	-.004	-.004	0	%100
98	M94A	Z	-.006	-.006	0	%100
99	M95A	X	-.768	-.768	0	%100
100	M95A	Z	-1.329	-1.329	0	%100
101	M96	X	-1.444	-1.444	0	%100
102	M96	Z	-2.502	-2.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	X	0	0	0	%100
2	M1	Z	-.898	-.898	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-.898	-.898	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-.427	-.427	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.427	-.427	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	-.498	-.498	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	-.386	-.386	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	-.498	-.498	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	-.386	-.386	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	-.225	-.225	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	-.225	-.225	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	-.225	-.225	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	-.225	-.225	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	-.427	-.427	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	-.427	-.427	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	-.427	-.427	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.107	-.107	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-.427	-.427	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-.427	-.427	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	-.427	-.427	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	-.107	-.107	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.427	-.427	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-.427	-.427	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	-.427	-.427	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	-.561	-.561	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.561	-.561	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-.107	-.107	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	-.537	-.537	0	%100
63	M73	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
64	M73	Z	-67	-67	0	%100
65	M74	X	0	0	0	%100
66	M74	Z	-.678	-.678	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	-.382	-.382	0	%100
69	M76	X	0	0	0	%100
70	M76	Z	-.537	-.537	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	-.382	-.382	0	%100
73	M81	X	0	0	0	%100
74	M81	Z	-.537	-.537	0	%100
75	M85	X	0	0	0	%100
76	M85	Z	-.745	-.745	0	%100
77	M86	X	0	0	0	%100
78	M86	Z	-.745	-.745	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	-.735	-.735	0	%100
81	MP3C	X	0	0	0	%100
82	MP3C	Z	-.427	-.427	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-.427	-.427	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.427	-.427	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.427	-.427	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	-.427	-.427	0	%100
91	M89A	X	0	0	0	%100
92	M89A	Z	-.526	-.526	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	-.361	-.361	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.05	-.05	0	%100
97	M94A	X	0	0	0	%100
98	M94A	Z	-.159	-.159	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.047	-.047	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-.36	-.36	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	X	.337	.337	0	%100
2	M1	Z	-.583	-.583	0	%100
3	M7	X	.337	.337	0	%100
4	M7	Z	-.583	-.583	0	%100
5	M12	X	.083	.083	0	%100
6	M12	Z	-.144	-.144	0	%100
7	M13	X	.064	.064	0	%100
8	M13	Z	-.111	-.111	0	%100
9	M26	X	.16	.16	0	%100
10	M26	Z	-.277	-.277	0	%100
11	MP1A	X	.213	.213	0	%100
12	MP1A	Z	-.37	-.37	0	%100
13	M58A	X	.083	.083	0	%100
14	M58A	Z	-.144	-.144	0	%100
15	M59A	X	.064	.064	0	%100
16	M59A	Z	-.111	-.111	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
17	M64B	X	.332	.332	0	%100
18	M64B	Z	-.575	-.575	0	%100
19	M65B	X	.257	.257	0	%100
20	M65B	Z	-.445	-.445	0	%100
21	M65C	X	.337	.337	0	%100
22	M65C	Z	-.583	-.583	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	.337	.337	0	%100
26	M65D	Z	-.583	-.583	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	.213	.213	0	%100
30	MP2A	Z	-.37	-.37	0	%100
31	MP3A	X	.213	.213	0	%100
32	MP3A	Z	-.37	-.37	0	%100
33	MP5A	X	.213	.213	0	%100
34	MP5A	Z	-.37	-.37	0	%100
35	M33	X	.16	.16	0	%100
36	M33	Z	-.277	-.277	0	%100
37	MP1C	X	.213	.213	0	%100
38	MP1C	Z	-.37	-.37	0	%100
39	MP2C	X	.213	.213	0	%100
40	MP2C	Z	-.37	-.37	0	%100
41	MP5C	X	.213	.213	0	%100
42	MP5C	Z	-.37	-.37	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	.213	.213	0	%100
46	MP1B	Z	-.37	-.37	0	%100
47	MP2B	X	.213	.213	0	%100
48	MP2B	Z	-.37	-.37	0	%100
49	MP5B	X	.213	.213	0	%100
50	MP5B	Z	-.37	-.37	0	%100
51	M58	X	.094	.094	0	%100
52	M58	Z	-.162	-.162	0	%100
53	M59	X	.374	.374	0	%100
54	M59	Z	-.648	-.648	0	%100
55	M60	X	.094	.094	0	%100
56	M60	Z	-.162	-.162	0	%100
57	M68	X	.000857	.000857	0	%100
58	M68	Z	-.001	-.001	0	%100
59	M70	X	.064	.064	0	%100
60	M70	Z	-.11	-.11	0	%100
61	M71A	X	.269	.269	0	%100
62	M71A	Z	-.465	-.465	0	%100
63	M73	X	.179	.179	0	%100
64	M73	Z	-.31	-.31	0	%100
65	M74	X	.338	.338	0	%100
66	M74	Z	-.585	-.585	0	%100
67	M75	X	.064	.064	0	%100
68	M75	Z	-.11	-.11	0	%100
69	M76	X	.269	.269	0	%100
70	M76	Z	-.465	-.465	0	%100
71	M80	X	.255	.255	0	%100
72	M80	Z	-.441	-.441	0	%100
73	M81	X	.269	.269	0	%100
74	M81	Z	-.465	-.465	0	%100
75	M85	X	.369	.369	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
76	M85	Z	-.64	-.64	0	%100
77	M86	X	.374	.374	0	%100
78	M86	Z	-.648	-.648	0	%100
79	M87	X	.369	.369	0	%100
80	M87	Z	-.64	-.64	0	%100
81	MP3C	X	.213	.213	0	%100
82	MP3C	Z	-.37	-.37	0	%100
83	MP3B	X	.213	.213	0	%100
84	MP3B	Z	-.37	-.37	0	%100
85	MP4A	X	.213	.213	0	%100
86	MP4A	Z	-.37	-.37	0	%100
87	MP4C	X	.213	.213	0	%100
88	MP4C	Z	-.37	-.37	0	%100
89	MP4B	X	.213	.213	0	%100
90	MP4B	Z	-.37	-.37	0	%100
91	M89A	X	.184	.184	0	%100
92	M89A	Z	-.319	-.319	0	%100
93	M90	X	.336	.336	0	%100
94	M90	Z	-.581	-.581	0	%100
95	M91A	X	.183	.183	0	%100
96	M91A	Z	-.316	-.316	0	%100
97	M94A	X	.21	.21	0	%100
98	M94A	Z	-.364	-.364	0	%100
99	M95A	X	.024	.024	0	%100
100	M95A	Z	-.042	-.042	0	%100
101	M96	X	.024	.024	0	%100
102	M96	Z	-.041	-.041	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	.194	.194	0	%100
2	M1	Z	-.112	-.112	0	%100
3	M7	X	.194	.194	0	%100
4	M7	Z	-.112	-.112	0	%100
5	M12	X	.432	.432	0	%100
6	M12	Z	-.249	-.249	0	%100
7	M13	X	.334	.334	0	%100
8	M13	Z	-.193	-.193	0	%100
9	M26	X	.092	.092	0	%100
10	M26	Z	-.053	-.053	0	%100
11	MP1A	X	.37	.37	0	%100
12	MP1A	Z	-.213	-.213	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	.432	.432	0	%100
18	M64B	Z	-.249	-.249	0	%100
19	M65B	X	.334	.334	0	%100
20	M65B	Z	-.193	-.193	0	%100
21	M65C	X	.778	.778	0	%100
22	M65C	Z	-.449	-.449	0	%100
23	M66A	X	.194	.194	0	%100
24	M66A	Z	-.112	-.112	0	%100
25	M65D	X	.778	.778	0	%100
26	M65D	Z	-.449	-.449	0	%100
27	M66B	X	.194	.194	0	%100
28	M66B	Z	-.112	-.112	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
29	MP2A	X	.37	.37	0	%100
30	MP2A	Z	-.213	-.213	0	%100
31	MP3A	X	.37	.37	0	%100
32	MP3A	Z	-.213	-.213	0	%100
33	MP5A	X	.37	.37	0	%100
34	MP5A	Z	-.213	-.213	0	%100
35	M33	X	.37	.37	0	%100
36	M33	Z	-.213	-.213	0	%100
37	MP1C	X	.37	.37	0	%100
38	MP1C	Z	-.213	-.213	0	%100
39	MP2C	X	.37	.37	0	%100
40	MP2C	Z	-.213	-.213	0	%100
41	MP5C	X	.37	.37	0	%100
42	MP5C	Z	-.213	-.213	0	%100
43	M46	X	.092	.092	0	%100
44	M46	Z	-.053	-.053	0	%100
45	MP1B	X	.37	.37	0	%100
46	MP1B	Z	-.213	-.213	0	%100
47	MP2B	X	.37	.37	0	%100
48	MP2B	Z	-.213	-.213	0	%100
49	MP5B	X	.37	.37	0	%100
50	MP5B	Z	-.213	-.213	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	.486	.486	0	%100
54	M59	Z	-.281	-.281	0	%100
55	M60	X	.486	.486	0	%100
56	M60	Z	-.281	-.281	0	%100
57	M68	X	.137	.137	0	%100
58	M68	Z	-.079	-.079	0	%100
59	M70	X	.331	.331	0	%100
60	M70	Z	-.191	-.191	0	%100
61	M71A	X	.465	.465	0	%100
62	M71A	Z	-.269	-.269	0	%100
63	M73	X	.041	.041	0	%100
64	M73	Z	-.024	-.024	0	%100
65	M74	X	.312	.312	0	%100
66	M74	Z	-.18	-.18	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	.465	.465	0	%100
70	M76	Z	-.269	-.269	0	%100
71	M80	X	.331	.331	0	%100
72	M80	Z	-.191	-.191	0	%100
73	M81	X	.465	.465	0	%100
74	M81	Z	-.269	-.269	0	%100
75	M85	X	.637	.637	0	%100
76	M85	Z	-.368	-.368	0	%100
77	M86	X	.645	.645	0	%100
78	M86	Z	-.373	-.373	0	%100
79	M87	X	.645	.645	0	%100
80	M87	Z	-.373	-.373	0	%100
81	MP3C	X	.37	.37	0	%100
82	MP3C	Z	-.213	-.213	0	%100
83	MP3B	X	.37	.37	0	%100
84	MP3B	Z	-.213	-.213	0	%100
85	MP4A	X	.37	.37	0	%100
86	MP4A	Z	-.213	-.213	0	%100
87	MP4C	X	.37	.37	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
88	MP4C	Z	-.213	-.213	0	%100
89	MP4B	X	.37	.37	0	%100
90	MP4B	Z	-.213	-.213	0	%100
91	M89A	X	.092	.092	0	%100
92	M89A	Z	-.053	-.053	0	%100
93	M90	X	.58	.58	0	%100
94	M90	Z	-.335	-.335	0	%100
95	M91A	X	.587	.587	0	%100
96	M91A	Z	-.339	-.339	0	%100
97	M94A	X	.455	.455	0	%100
98	M94A	Z	-.263	-.263	0	%100
99	M95A	X	.313	.313	0	%100
100	M95A	Z	-.181	-.181	0	%100
101	M96	X	.043	.043	0	%100
102	M96	Z	-.025	-.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	.664	.664	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	.514	.514	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	.427	.427	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	.166	.166	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	.129	.129	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	.166	.166	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	.129	.129	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.674	.674	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	.674	.674	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	.674	.674	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	.674	.674	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	.427	.427	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	.427	.427	0	%100
32	MP3A	Z	0	0	0	%100
33	MP5A	X	.427	.427	0	%100
34	MP5A	Z	0	0	0	%100
35	M33	X	.32	.32	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	.427	.427	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	.427	.427	0	%100
40	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
41	MP5C	X	.427	.427	0	%100
42	MP5C	Z	0	0	0	%100
43	M46	X	.32	.32	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	.427	.427	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	.427	.427	0	%100
48	MP2B	Z	0	0	0	%100
49	MP5B	X	.427	.427	0	%100
50	MP5B	Z	0	0	0	%100
51	M58	X	.187	.187	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	.187	.187	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	.749	.749	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	.421	.421	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	.509	.509	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	.537	.537	0	%100
62	M71A	Z	0	0	0	%100
63	M73	X	.049	.049	0	%100
64	M73	Z	0	0	0	%100
65	M74	X	.047	.047	0	%100
66	M74	Z	0	0	0	%100
67	M75	X	.127	.127	0	%100
68	M75	Z	0	0	0	%100
69	M76	X	.537	.537	0	%100
70	M76	Z	0	0	0	%100
71	M80	X	.127	.127	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	.537	.537	0	%100
74	M81	Z	0	0	0	%100
75	M85	X	.738	.738	0	%100
76	M85	Z	0	0	0	%100
77	M86	X	.738	.738	0	%100
78	M86	Z	0	0	0	%100
79	M87	X	.749	.749	0	%100
80	M87	Z	0	0	0	%100
81	MP3C	X	.427	.427	0	%100
82	MP3C	Z	0	0	0	%100
83	MP3B	X	.427	.427	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4A	X	.427	.427	0	%100
86	MP4A	Z	0	0	0	%100
87	MP4C	X	.427	.427	0	%100
88	MP4C	Z	0	0	0	%100
89	MP4B	X	.427	.427	0	%100
90	MP4B	Z	0	0	0	%100
91	M89A	X	.002	.002	0	%100
92	M89A	Z	0	0	0	%100
93	M90	X	.358	.358	0	%100
94	M90	Z	0	0	0	%100
95	M91A	X	.675	.675	0	%100
96	M91A	Z	0	0	0	%100
97	M94A	X	.369	.369	0	%100
98	M94A	Z	0	0	0	%100
99	M95A	X	.671	.671	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
100	M95A	Z	0	0	0	%100
101	M96	X	.365	.365	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	.194	.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M7	X	.194	.194	0	%100
4	M7	Z	.112	.112	0	%100
5	M12	X	.432	.432	0	%100
6	M12	Z	.249	.249	0	%100
7	M13	X	.334	.334	0	%100
8	M13	Z	.193	.193	0	%100
9	M26	X	.092	.092	0	%100
10	M26	Z	.053	.053	0	%100
11	MP1A	X	.37	.37	0	%100
12	MP1A	Z	.213	.213	0	%100
13	M58A	X	.432	.432	0	%100
14	M58A	Z	.249	.249	0	%100
15	M59A	X	.334	.334	0	%100
16	M59A	Z	.193	.193	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.194	.194	0	%100
22	M65C	Z	.112	.112	0	%100
23	M66A	X	.778	.778	0	%100
24	M66A	Z	.449	.449	0	%100
25	M65D	X	.194	.194	0	%100
26	M65D	Z	.112	.112	0	%100
27	M66B	X	.778	.778	0	%100
28	M66B	Z	.449	.449	0	%100
29	MP2A	X	.37	.37	0	%100
30	MP2A	Z	.213	.213	0	%100
31	MP3A	X	.37	.37	0	%100
32	MP3A	Z	.213	.213	0	%100
33	MP5A	X	.37	.37	0	%100
34	MP5A	Z	.213	.213	0	%100
35	M33	X	.092	.092	0	%100
36	M33	Z	.053	.053	0	%100
37	MP1C	X	.37	.37	0	%100
38	MP1C	Z	.213	.213	0	%100
39	MP2C	X	.37	.37	0	%100
40	MP2C	Z	.213	.213	0	%100
41	MP5C	X	.37	.37	0	%100
42	MP5C	Z	.213	.213	0	%100
43	M46	X	.37	.37	0	%100
44	M46	Z	.213	.213	0	%100
45	MP1B	X	.37	.37	0	%100
46	MP1B	Z	.213	.213	0	%100
47	MP2B	X	.37	.37	0	%100
48	MP2B	Z	.213	.213	0	%100
49	MP5B	X	.37	.37	0	%100
50	MP5B	Z	.213	.213	0	%100
51	M58	X	.486	.486	0	%100
52	M58	Z	.281	.281	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft...
53	M59	X	0	0	%100
54	M59	Z	0	0	%100
55	M60	X	.486	.486	%100
56	M60	Z	.281	.281	%100
57	M68	X	.455	.455	%100
58	M68	Z	.263	.263	%100
59	M70	X	.331	.331	%100
60	M70	Z	.191	.191	%100
61	M71A	X	.465	.465	%100
62	M71A	Z	.269	.269	%100
63	M73	X	.313	.313	%100
64	M73	Z	.181	.181	%100
65	M74	X	.043	.043	%100
66	M74	Z	.025	.025	%100
67	M75	X	.331	.331	%100
68	M75	Z	.191	.191	%100
69	M76	X	.465	.465	%100
70	M76	Z	.269	.269	%100
71	M80	X	0	0	%100
72	M80	Z	0	0	%100
73	M81	X	.465	.465	%100
74	M81	Z	.269	.269	%100
75	M85	X	.645	.645	%100
76	M85	Z	.373	.373	%100
77	M86	X	.637	.637	%100
78	M86	Z	.368	.368	%100
79	M87	X	.645	.645	%100
80	M87	Z	.373	.373	%100
81	MP3C	X	.37	.37	%100
82	MP3C	Z	.213	.213	%100
83	MP3B	X	.37	.37	%100
84	MP3B	Z	.213	.213	%100
85	MP4A	X	.37	.37	%100
86	MP4A	Z	.213	.213	%100
87	MP4C	X	.37	.37	%100
88	MP4C	Z	.213	.213	%100
89	MP4B	X	.37	.37	%100
90	MP4B	Z	.213	.213	%100
91	M89A	X	.137	.137	%100
92	M89A	Z	.079	.079	%100
93	M90	X	.041	.041	%100
94	M90	Z	.024	.024	%100
95	M91A	X	.312	.312	%100
96	M91A	Z	.18	.18	%100
97	M94A	X	.092	.092	%100
98	M94A	Z	.053	.053	%100
99	M95A	X	.58	.58	%100
100	M95A	Z	.335	.335	%100
101	M96	X	.587	.587	%100
102	M96	Z	.339	.339	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft...
1	M1	X	.337	.337	%100
2	M1	Z	.583	.583	%100
3	M7	X	.337	.337	%100
4	M7	Z	.583	.583	%100
5	M12	X	.083	.083	%100



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

	Member Label	Direction	Start Magnitude/lb.ft.F.ksfl	End Magnitude/lb.ft.F.ksfl	Start Locationft...	End Locationft...
6	M12	Z	.144	.144	0	%100
7	M13	X	.064	.064	0	%100
8	M13	Z	.111	.111	0	%100
9	M26	X	.16	.16	0	%100
10	M26	Z	.277	.277	0	%100
11	MP1A	X	.213	.213	0	%100
12	MP1A	Z	.37	.37	0	%100
13	M58A	X	.332	.332	0	%100
14	M58A	Z	.575	.575	0	%100
15	M59A	X	.257	.257	0	%100
16	M59A	Z	.445	.445	0	%100
17	M64B	X	.083	.083	0	%100
18	M64B	Z	.144	.144	0	%100
19	M65B	X	.064	.064	0	%100
20	M65B	Z	.111	.111	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	.337	.337	0	%100
24	M66A	Z	.583	.583	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	.337	.337	0	%100
28	M66B	Z	.583	.583	0	%100
29	MP2A	X	.213	.213	0	%100
30	MP2A	Z	.37	.37	0	%100
31	MP3A	X	.213	.213	0	%100
32	MP3A	Z	.37	.37	0	%100
33	MP5A	X	.213	.213	0	%100
34	MP5A	Z	.37	.37	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	.213	.213	0	%100
38	MP1C	Z	.37	.37	0	%100
39	MP2C	X	.213	.213	0	%100
40	MP2C	Z	.37	.37	0	%100
41	MP5C	X	.213	.213	0	%100
42	MP5C	Z	.37	.37	0	%100
43	M46	X	.16	.16	0	%100
44	M46	Z	.277	.277	0	%100
45	MP1B	X	.213	.213	0	%100
46	MP1B	Z	.37	.37	0	%100
47	MP2B	X	.213	.213	0	%100
48	MP2B	Z	.37	.37	0	%100
49	MP5B	X	.213	.213	0	%100
50	MP5B	Z	.37	.37	0	%100
51	M58	X	.374	.374	0	%100
52	M58	Z	.648	.648	0	%100
53	M59	X	.094	.094	0	%100
54	M59	Z	.162	.162	0	%100
55	M60	X	.094	.094	0	%100
56	M60	Z	.162	.162	0	%100
57	M68	X	.184	.184	0	%100
58	M68	Z	.319	.319	0	%100
59	M70	X	.064	.064	0	%100
60	M70	Z	.11	.11	0	%100
61	M71A	X	.269	.269	0	%100
62	M71A	Z	.465	.465	0	%100
63	M73	X	.336	.336	0	%100
64	M73	Z	.581	.581	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
 11:39 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
65	M74	X	.183	.183	0	%100
66	M74	Z	.316	.316	0	%100
67	M75	X	.255	.255	0	%100
68	M75	Z	.441	.441	0	%100
69	M76	X	.269	.269	0	%100
70	M76	Z	.465	.465	0	%100
71	M80	X	.064	.064	0	%100
72	M80	Z	.11	.11	0	%100
73	M81	X	.269	.269	0	%100
74	M81	Z	.465	.465	0	%100
75	M85	X	.374	.374	0	%100
76	M85	Z	.648	.648	0	%100
77	M86	X	.369	.369	0	%100
78	M86	Z	.64	.64	0	%100
79	M87	X	.369	.369	0	%100
80	M87	Z	.64	.64	0	%100
81	MP3C	X	.213	.213	0	%100
82	MP3C	Z	.37	.37	0	%100
83	MP3B	X	.213	.213	0	%100
84	MP3B	Z	.37	.37	0	%100
85	MP4A	X	.213	.213	0	%100
86	MP4A	Z	.37	.37	0	%100
87	MP4C	X	.213	.213	0	%100
88	MP4C	Z	.37	.37	0	%100
89	MP4B	X	.213	.213	0	%100
90	MP4B	Z	.37	.37	0	%100
91	M89A	X	.21	.21	0	%100
92	M89A	Z	.364	.364	0	%100
93	M90	X	.024	.024	0	%100
94	M90	Z	.042	.042	0	%100
95	M91A	X	.024	.024	0	%100
96	M91A	Z	.041	.041	0	%100
97	M94A	X	.000857	.000857	0	%100
98	M94A	Z	.001	.001	0	%100
99	M95A	X	.179	.179	0	%100
100	M95A	Z	.31	.31	0	%100
101	M96	X	.338	.338	0	%100
102	M96	Z	.585	.585	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	.898	.898	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	.898	.898	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	.427	.427	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.427	.427	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	.498	.498	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	.386	.386	0	%100
17	M64B	X	0	0	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
 11:39 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
18	M64B	Z	.498	.498	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	.386	.386	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	.225	.225	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	.225	.225	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	.225	.225	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	.225	.225	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	.427	.427	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	.427	.427	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	.427	.427	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.107	.107	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	.427	.427	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	.427	.427	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	.427	.427	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	.107	.107	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.427	.427	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	.427	.427	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	.427	.427	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	.561	.561	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.561	.561	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	.107	.107	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M71A	X	0	0	0	%100
62	M71A	Z	.537	.537	0	%100
63	M73	X	0	0	0	%100
64	M73	Z	.67	.67	0	%100
65	M74	X	0	0	0	%100
66	M74	Z	.678	.678	0	%100
67	M75	X	0	0	0	%100
68	M75	Z	.382	.382	0	%100
69	M76	X	0	0	0	%100
70	M76	Z	.537	.537	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	.382	.382	0	%100
73	M81	X	0	0	0	%100
74	M81	Z	.537	.537	0	%100
75	M85	X	0	0	0	%100
76	M85	Z	.745	.745	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
 11:39 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft...
77	M86	X	0	0	0	%100
78	M86	Z	.745	.745	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	.735	.735	0	%100
81	MP3C	X	0	0	0	%100
82	MP3C	Z	.427	.427	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	.427	.427	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.427	.427	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.427	.427	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	.427	.427	0	%100
91	M89A	X	0	0	0	%100
92	M89A	Z	.526	.526	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	.361	.361	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.05	.05	0	%100
97	M94A	X	0	0	0	%100
98	M94A	Z	.159	.159	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	.047	.047	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	.36	.36	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft...
1	M1	X	-.337	-.337	0	%100
2	M1	Z	.583	.583	0	%100
3	M7	X	-.337	-.337	0	%100
4	M7	Z	.583	.583	0	%100
5	M12	X	-.083	-.083	0	%100
6	M12	Z	.144	.144	0	%100
7	M13	X	-.064	-.064	0	%100
8	M13	Z	.111	.111	0	%100
9	M26	X	-.16	-.16	0	%100
10	M26	Z	.277	.277	0	%100
11	MP1A	X	-.213	-.213	0	%100
12	MP1A	Z	.37	.37	0	%100
13	M58A	X	-.083	-.083	0	%100
14	M58A	Z	.144	.144	0	%100
15	M59A	X	-.064	-.064	0	%100
16	M59A	Z	.111	.111	0	%100
17	M64B	X	-.332	-.332	0	%100
18	M64B	Z	.575	.575	0	%100
19	M65B	X	-.257	-.257	0	%100
20	M65B	Z	.445	.445	0	%100
21	M65C	X	-.337	-.337	0	%100
22	M65C	Z	.583	.583	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-.337	-.337	0	%100
26	M65D	Z	.583	.583	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-.213	-.213	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksfl]	End Magnitude[lb/ft.F.ksfl]	Start Locationft...	End Locationft...
30	MP2A	Z	.37	.37	0	%100
31	MP3A	X	-.213	-.213	0	%100
32	MP3A	Z	.37	.37	0	%100
33	MP5A	X	-.213	-.213	0	%100
34	MP5A	Z	.37	.37	0	%100
35	M33	X	-.16	-.16	0	%100
36	M33	Z	.277	.277	0	%100
37	MP1C	X	-.213	-.213	0	%100
38	MP1C	Z	.37	.37	0	%100
39	MP2C	X	-.213	-.213	0	%100
40	MP2C	Z	.37	.37	0	%100
41	MP5C	X	-.213	-.213	0	%100
42	MP5C	Z	.37	.37	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-.213	-.213	0	%100
46	MP1B	Z	.37	.37	0	%100
47	MP2B	X	-.213	-.213	0	%100
48	MP2B	Z	.37	.37	0	%100
49	MP5B	X	-.213	-.213	0	%100
50	MP5B	Z	.37	.37	0	%100
51	M58	X	-.094	-.094	0	%100
52	M58	Z	.162	.162	0	%100
53	M59	X	-.374	-.374	0	%100
54	M59	Z	.648	.648	0	%100
55	M60	X	-.094	-.094	0	%100
56	M60	Z	.162	.162	0	%100
57	M68	X	-.000857	-.000857	0	%100
58	M68	Z	.001	.001	0	%100
59	M70	X	-.064	-.064	0	%100
60	M70	Z	.11	.11	0	%100
61	M71A	X	-.269	-.269	0	%100
62	M71A	Z	.465	.465	0	%100
63	M73	X	-.179	-.179	0	%100
64	M73	Z	.31	.31	0	%100
65	M74	X	-.338	-.338	0	%100
66	M74	Z	.585	.585	0	%100
67	M75	X	-.064	-.064	0	%100
68	M75	Z	.11	.11	0	%100
69	M76	X	-.269	-.269	0	%100
70	M76	Z	.465	.465	0	%100
71	M80	X	-.255	-.255	0	%100
72	M80	Z	.441	.441	0	%100
73	M81	X	-.269	-.269	0	%100
74	M81	Z	.465	.465	0	%100
75	M85	X	-.369	-.369	0	%100
76	M85	Z	.64	.64	0	%100
77	M86	X	-.374	-.374	0	%100
78	M86	Z	.648	.648	0	%100
79	M87	X	-.369	-.369	0	%100
80	M87	Z	.64	.64	0	%100
81	MP3C	X	-.213	-.213	0	%100
82	MP3C	Z	.37	.37	0	%100
83	MP3B	X	-.213	-.213	0	%100
84	MP3B	Z	.37	.37	0	%100
85	MP4A	X	-.213	-.213	0	%100
86	MP4A	Z	.37	.37	0	%100
87	MP4C	X	-.213	-.213	0	%100
88	MP4C	Z	.37	.37	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
89	MP4B	X	-.213	-.213	0	%100
90	MP4B	Z	.37	.37	0	%100
91	M89A	X	-.184	-.184	0	%100
92	M89A	Z	.319	.319	0	%100
93	M90	X	-.336	-.336	0	%100
94	M90	Z	.581	.581	0	%100
95	M91A	X	-.183	-.183	0	%100
96	M91A	Z	.316	.316	0	%100
97	M94A	X	-.21	-.21	0	%100
98	M94A	Z	.364	.364	0	%100
99	M95A	X	-.024	-.024	0	%100
100	M95A	Z	.042	.042	0	%100
101	M96	X	-.024	-.024	0	%100
102	M96	Z	.041	.041	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M1	X	-.194	-.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M7	X	-.194	-.194	0	%100
4	M7	Z	.112	.112	0	%100
5	M12	X	-.432	-.432	0	%100
6	M12	Z	.249	.249	0	%100
7	M13	X	-.334	-.334	0	%100
8	M13	Z	.193	.193	0	%100
9	M26	X	-.092	-.092	0	%100
10	M26	Z	.053	.053	0	%100
11	MP1A	X	-.37	-.37	0	%100
12	MP1A	Z	.213	.213	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.432	-.432	0	%100
18	M64B	Z	.249	.249	0	%100
19	M65B	X	-.334	-.334	0	%100
20	M65B	Z	.193	.193	0	%100
21	M65C	X	-.778	-.778	0	%100
22	M65C	Z	.449	.449	0	%100
23	M66A	X	-.194	-.194	0	%100
24	M66A	Z	.112	.112	0	%100
25	M65D	X	-.778	-.778	0	%100
26	M65D	Z	.449	.449	0	%100
27	M66B	X	-.194	-.194	0	%100
28	M66B	Z	.112	.112	0	%100
29	MP2A	X	-.37	-.37	0	%100
30	MP2A	Z	.213	.213	0	%100
31	MP3A	X	-.37	-.37	0	%100
32	MP3A	Z	.213	.213	0	%100
33	MP5A	X	-.37	-.37	0	%100
34	MP5A	Z	.213	.213	0	%100
35	M33	X	-.37	-.37	0	%100
36	M33	Z	.213	.213	0	%100
37	MP1C	X	-.37	-.37	0	%100
38	MP1C	Z	.213	.213	0	%100
39	MP2C	X	-.37	-.37	0	%100
40	MP2C	Z	.213	.213	0	%100
41	MP5C	X	-.37	-.37	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksfl	End Magnitude[lb/ft.F,ksfl	Start Locationft...	End Locationft...
42	MP5C	Z	.213	.213	0 %100
43	M46	X	-.092	-.092	0 %100
44	M46	Z	.053	.053	0 %100
45	MP1B	X	-.37	-.37	0 %100
46	MP1B	Z	.213	.213	0 %100
47	MP2B	X	-.37	-.37	0 %100
48	MP2B	Z	.213	.213	0 %100
49	MP5B	X	-.37	-.37	0 %100
50	MP5B	Z	.213	.213	0 %100
51	M58	X	0	0	0 %100
52	M58	Z	0	0	0 %100
53	M59	X	-.486	-.486	0 %100
54	M59	Z	.281	.281	0 %100
55	M60	X	-.486	-.486	0 %100
56	M60	Z	.281	.281	0 %100
57	M68	X	-.137	-.137	0 %100
58	M68	Z	.079	.079	0 %100
59	M70	X	-.331	-.331	0 %100
60	M70	Z	.191	.191	0 %100
61	M71A	X	-.465	-.465	0 %100
62	M71A	Z	.269	.269	0 %100
63	M73	X	-.041	-.041	0 %100
64	M73	Z	.024	.024	0 %100
65	M74	X	-.312	-.312	0 %100
66	M74	Z	.18	.18	0 %100
67	M75	X	0	0	0 %100
68	M75	Z	0	0	0 %100
69	M76	X	-.465	-.465	0 %100
70	M76	Z	.269	.269	0 %100
71	M80	X	-.331	-.331	0 %100
72	M80	Z	.191	.191	0 %100
73	M81	X	-.465	-.465	0 %100
74	M81	Z	.269	.269	0 %100
75	M85	X	-.637	-.637	0 %100
76	M85	Z	.368	.368	0 %100
77	M86	X	-.645	-.645	0 %100
78	M86	Z	.373	.373	0 %100
79	M87	X	-.645	-.645	0 %100
80	M87	Z	.373	.373	0 %100
81	MP3C	X	-.37	-.37	0 %100
82	MP3C	Z	.213	.213	0 %100
83	MP3B	X	-.37	-.37	0 %100
84	MP3B	Z	.213	.213	0 %100
85	MP4A	X	-.37	-.37	0 %100
86	MP4A	Z	.213	.213	0 %100
87	MP4C	X	-.37	-.37	0 %100
88	MP4C	Z	.213	.213	0 %100
89	MP4B	X	-.37	-.37	0 %100
90	MP4B	Z	.213	.213	0 %100
91	M89A	X	-.092	-.092	0 %100
92	M89A	Z	.053	.053	0 %100
93	M90	X	-.58	-.58	0 %100
94	M90	Z	.335	.335	0 %100
95	M91A	X	-.587	-.587	0 %100
96	M91A	Z	.339	.339	0 %100
97	M94A	X	-.455	-.455	0 %100
98	M94A	Z	.263	.263	0 %100
99	M95A	X	-.313	-.313	0 %100
100	M95A	Z	.181	.181	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
101	M96	X	-.043	-.043	0	%100
102	M96	Z	.025	.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-.664	-.664	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-.514	-.514	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-.427	-.427	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-.166	-.166	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-.129	-.129	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.166	-.166	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-.129	-.129	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-.674	-.674	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-.674	-.674	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-.674	-.674	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-.674	-.674	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-.427	-.427	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-.427	-.427	0	%100
32	MP3A	Z	0	0	0	%100
33	MP5A	X	-.427	-.427	0	%100
34	MP5A	Z	0	0	0	%100
35	M33	X	-.32	-.32	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-.427	-.427	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-.427	-.427	0	%100
40	MP2C	Z	0	0	0	%100
41	MP5C	X	-.427	-.427	0	%100
42	MP5C	Z	0	0	0	%100
43	M46	X	-.32	-.32	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-.427	-.427	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-.427	-.427	0	%100
48	MP2B	Z	0	0	0	%100
49	MP5B	X	-.427	-.427	0	%100
50	MP5B	Z	0	0	0	%100
51	M58	X	-.187	-.187	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-.187	-.187	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]	
54	M59	Z	0	0	0		%100
55	M60	X	-.749	-.749	0		%100
56	M60	Z	0	0	0		%100
57	M68	X	-.421	-.421	0		%100
58	M68	Z	0	0	0		%100
59	M70	X	-.509	-.509	0		%100
60	M70	Z	0	0	0		%100
61	M71A	X	-.537	-.537	0		%100
62	M71A	Z	0	0	0		%100
63	M73	X	-.049	-.049	0		%100
64	M73	Z	0	0	0		%100
65	M74	X	-.047	-.047	0		%100
66	M74	Z	0	0	0		%100
67	M75	X	-.127	-.127	0		%100
68	M75	Z	0	0	0		%100
69	M76	X	-.537	-.537	0		%100
70	M76	Z	0	0	0		%100
71	M80	X	-.127	-.127	0		%100
72	M80	Z	0	0	0		%100
73	M81	X	-.537	-.537	0		%100
74	M81	Z	0	0	0		%100
75	M85	X	-.738	-.738	0		%100
76	M85	Z	0	0	0		%100
77	M86	X	-.738	-.738	0		%100
78	M86	Z	0	0	0		%100
79	M87	X	-.749	-.749	0		%100
80	M87	Z	0	0	0		%100
81	MP3C	X	-.427	-.427	0		%100
82	MP3C	Z	0	0	0		%100
83	MP3B	X	-.427	-.427	0		%100
84	MP3B	Z	0	0	0		%100
85	MP4A	X	-.427	-.427	0		%100
86	MP4A	Z	0	0	0		%100
87	MP4C	X	-.427	-.427	0		%100
88	MP4C	Z	0	0	0		%100
89	MP4B	X	-.427	-.427	0		%100
90	MP4B	Z	0	0	0		%100
91	M89A	X	-.002	-.002	0		%100
92	M89A	Z	0	0	0		%100
93	M90	X	-.358	-.358	0		%100
94	M90	Z	0	0	0		%100
95	M91A	X	-.675	-.675	0		%100
96	M91A	Z	0	0	0		%100
97	M94A	X	-.369	-.369	0		%100
98	M94A	Z	0	0	0		%100
99	M95A	X	-.671	-.671	0		%100
100	M95A	Z	0	0	0		%100
101	M96	X	-.365	-.365	0		%100
102	M96	Z	0	0	0		%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.]	End Location[ft.]	
1	M1	X	-.194	-.194	0		%100
2	M1	Z	-.112	-.112	0		%100
3	M7	X	-.194	-.194	0		%100
4	M7	Z	-.112	-.112	0		%100
5	M12	X	-.432	-.432	0		%100
6	M12	Z	-.249	-.249	0		%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
7	M13	X	-.334	-.334	0	%100
8	M13	Z	-.193	-.193	0	%100
9	M26	X	-.092	-.092	0	%100
10	M26	Z	-.053	-.053	0	%100
11	MP1A	X	-.37	-.37	0	%100
12	MP1A	Z	-.213	-.213	0	%100
13	M58A	X	-.432	-.432	0	%100
14	M58A	Z	-.249	-.249	0	%100
15	M59A	X	-.334	-.334	0	%100
16	M59A	Z	-.193	-.193	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-.194	-.194	0	%100
22	M65C	Z	-.112	-.112	0	%100
23	M66A	X	-.778	-.778	0	%100
24	M66A	Z	-.449	-.449	0	%100
25	M65D	X	-.194	-.194	0	%100
26	M65D	Z	-.112	-.112	0	%100
27	M66B	X	-.778	-.778	0	%100
28	M66B	Z	-.449	-.449	0	%100
29	MP2A	X	-.37	-.37	0	%100
30	MP2A	Z	-.213	-.213	0	%100
31	MP3A	X	-.37	-.37	0	%100
32	MP3A	Z	-.213	-.213	0	%100
33	MP5A	X	-.37	-.37	0	%100
34	MP5A	Z	-.213	-.213	0	%100
35	M33	X	-.092	-.092	0	%100
36	M33	Z	-.053	-.053	0	%100
37	MP1C	X	-.37	-.37	0	%100
38	MP1C	Z	-.213	-.213	0	%100
39	MP2C	X	-.37	-.37	0	%100
40	MP2C	Z	-.213	-.213	0	%100
41	MP5C	X	-.37	-.37	0	%100
42	MP5C	Z	-.213	-.213	0	%100
43	M46	X	-.37	-.37	0	%100
44	M46	Z	-.213	-.213	0	%100
45	MP1B	X	-.37	-.37	0	%100
46	MP1B	Z	-.213	-.213	0	%100
47	MP2B	X	-.37	-.37	0	%100
48	MP2B	Z	-.213	-.213	0	%100
49	MP5B	X	-.37	-.37	0	%100
50	MP5B	Z	-.213	-.213	0	%100
51	M58	X	-.486	-.486	0	%100
52	M58	Z	-.281	-.281	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-.486	-.486	0	%100
56	M60	Z	-.281	-.281	0	%100
57	M68	X	-.455	-.455	0	%100
58	M68	Z	-.263	-.263	0	%100
59	M70	X	-.331	-.331	0	%100
60	M70	Z	-.191	-.191	0	%100
61	M71A	X	-.465	-.465	0	%100
62	M71A	Z	-.269	-.269	0	%100
63	M73	X	-.313	-.313	0	%100
64	M73	Z	-.181	-.181	0	%100
65	M74	X	-.043	-.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
66	M74	Z	-.025	-.025	0	%100
67	M75	X	-.331	-.331	0	%100
68	M75	Z	-.191	-.191	0	%100
69	M76	X	-.465	-.465	0	%100
70	M76	Z	-.269	-.269	0	%100
71	M80	X	0	0	0	%100
72	M80	Z	0	0	0	%100
73	M81	X	-.465	-.465	0	%100
74	M81	Z	-.269	-.269	0	%100
75	M85	X	-.645	-.645	0	%100
76	M85	Z	-.373	-.373	0	%100
77	M86	X	-.637	-.637	0	%100
78	M86	Z	-.368	-.368	0	%100
79	M87	X	-.645	-.645	0	%100
80	M87	Z	-.373	-.373	0	%100
81	MP3C	X	-.37	-.37	0	%100
82	MP3C	Z	-.213	-.213	0	%100
83	MP3B	X	-.37	-.37	0	%100
84	MP3B	Z	-.213	-.213	0	%100
85	MP4A	X	-.37	-.37	0	%100
86	MP4A	Z	-.213	-.213	0	%100
87	MP4C	X	-.37	-.37	0	%100
88	MP4C	Z	-.213	-.213	0	%100
89	MP4B	X	-.37	-.37	0	%100
90	MP4B	Z	-.213	-.213	0	%100
91	M89A	X	-.137	-.137	0	%100
92	M89A	Z	-.079	-.079	0	%100
93	M90	X	-.041	-.041	0	%100
94	M90	Z	-.024	-.024	0	%100
95	M91A	X	-.312	-.312	0	%100
96	M91A	Z	-.18	-.18	0	%100
97	M94A	X	-.092	-.092	0	%100
98	M94A	Z	-.053	-.053	0	%100
99	M95A	X	-.58	-.58	0	%100
100	M95A	Z	-.335	-.335	0	%100
101	M96	X	-.587	-.587	0	%100
102	M96	Z	-.339	-.339	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	X	-.337	-.337	0	%100
2	M1	Z	-.583	-.583	0	%100
3	M7	X	-.337	-.337	0	%100
4	M7	Z	-.583	-.583	0	%100
5	M12	X	-.083	-.083	0	%100
6	M12	Z	-.144	-.144	0	%100
7	M13	X	-.064	-.064	0	%100
8	M13	Z	-.111	-.111	0	%100
9	M26	X	-.16	-.16	0	%100
10	M26	Z	-.277	-.277	0	%100
11	MP1A	X	-.213	-.213	0	%100
12	MP1A	Z	-.37	-.37	0	%100
13	M58A	X	-.332	-.332	0	%100
14	M58A	Z	-.575	-.575	0	%100
15	M59A	X	-.257	-.257	0	%100
16	M59A	Z	-.445	-.445	0	%100
17	M64B	X	-.083	-.083	0	%100
18	M64B	Z	-.144	-.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
19	M65B	X	-.064	-.064	0	%100
20	M65B	Z	-.111	-.111	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-.337	-.337	0	%100
24	M66A	Z	-.583	-.583	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-.337	-.337	0	%100
28	M66B	Z	-.583	-.583	0	%100
29	MP2A	X	-.213	-.213	0	%100
30	MP2A	Z	-.37	-.37	0	%100
31	MP3A	X	-.213	-.213	0	%100
32	MP3A	Z	-.37	-.37	0	%100
33	MP5A	X	-.213	-.213	0	%100
34	MP5A	Z	-.37	-.37	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-.213	-.213	0	%100
38	MP1C	Z	-.37	-.37	0	%100
39	MP2C	X	-.213	-.213	0	%100
40	MP2C	Z	-.37	-.37	0	%100
41	MP5C	X	-.213	-.213	0	%100
42	MP5C	Z	-.37	-.37	0	%100
43	M46	X	-.16	-.16	0	%100
44	M46	Z	-.277	-.277	0	%100
45	MP1B	X	-.213	-.213	0	%100
46	MP1B	Z	-.37	-.37	0	%100
47	MP2B	X	-.213	-.213	0	%100
48	MP2B	Z	-.37	-.37	0	%100
49	MP5B	X	-.213	-.213	0	%100
50	MP5B	Z	-.37	-.37	0	%100
51	M58	X	-.374	-.374	0	%100
52	M58	Z	-.648	-.648	0	%100
53	M59	X	-.094	-.094	0	%100
54	M59	Z	-.162	-.162	0	%100
55	M60	X	-.094	-.094	0	%100
56	M60	Z	-.162	-.162	0	%100
57	M68	X	-.184	-.184	0	%100
58	M68	Z	-.319	-.319	0	%100
59	M70	X	-.064	-.064	0	%100
60	M70	Z	-.11	-.11	0	%100
61	M71A	X	-.269	-.269	0	%100
62	M71A	Z	-.465	-.465	0	%100
63	M73	X	-.336	-.336	0	%100
64	M73	Z	-.581	-.581	0	%100
65	M74	X	-.183	-.183	0	%100
66	M74	Z	-.316	-.316	0	%100
67	M75	X	-.255	-.255	0	%100
68	M75	Z	-.441	-.441	0	%100
69	M76	X	-.269	-.269	0	%100
70	M76	Z	-.465	-.465	0	%100
71	M80	X	-.064	-.064	0	%100
72	M80	Z	-.11	-.11	0	%100
73	M81	X	-.269	-.269	0	%100
74	M81	Z	-.465	-.465	0	%100
75	M85	X	-.374	-.374	0	%100
76	M85	Z	-.648	-.648	0	%100
77	M86	X	-.369	-.369	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
78	M86	Z	-.64	-.64	0	%100
79	M87	X	-.369	-.369	0	%100
80	M87	Z	-.64	-.64	0	%100
81	MP3C	X	-.213	-.213	0	%100
82	MP3C	Z	-.37	-.37	0	%100
83	MP3B	X	-.213	-.213	0	%100
84	MP3B	Z	-.37	-.37	0	%100
85	MP4A	X	-.213	-.213	0	%100
86	MP4A	Z	-.37	-.37	0	%100
87	MP4C	X	-.213	-.213	0	%100
88	MP4C	Z	-.37	-.37	0	%100
89	MP4B	X	-.213	-.213	0	%100
90	MP4B	Z	-.37	-.37	0	%100
91	M89A	X	-.21	-.21	0	%100
92	M89A	Z	-.364	-.364	0	%100
93	M90	X	-.024	-.024	0	%100
94	M90	Z	-.042	-.042	0	%100
95	M91A	X	-.024	-.024	0	%100
96	M91A	Z	-.041	-.041	0	%100
97	M94A	X	-.000857	-.000857	0	%100
98	M94A	Z	-.001	-.001	0	%100
99	M95A	X	-.179	-.179	0	%100
100	M95A	Z	-.31	-.31	0	%100
101	M96	X	-.338	-.338	0	%100
102	M96	Z	-.585	-.585	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	Y	-.096	-2.915	0	2.021
2	M1	Y	-2.915	-4.874	2.021	4.042
3	M1	Y	-4.874	-4.697	4.042	6.063
4	M1	Y	-4.697	-4.697	6.063	8.083
5	M1	Y	-4.697	-4.874	8.083	10.104
6	M1	Y	-4.874	-2.915	10.104	12.125
7	M1	Y	-2.915	-.096	12.125	14.146
8	M7	Y	-4.943	-4.943	.023	7.628
9	M58	Y	-.935	-4.802	0	1.875
10	M58	Y	-4.802	-8.669	1.875	3.75
11	M59	Y	-.935	-4.802	0	1.875
12	M59	Y	-4.802	-8.669	1.875	3.75
13	M66A	Y	-4.943	-4.943	.023	7.628
14	M66B	Y	-.096	-2.915	0	2.021
15	M66B	Y	-2.915	-4.874	2.021	4.042
16	M66B	Y	-4.874	-4.697	4.042	6.063
17	M66B	Y	-4.697	-4.697	6.063	8.083
18	M66B	Y	-4.697	-4.874	8.083	10.104
19	M66B	Y	-4.874	-2.915	10.104	12.125
20	M66B	Y	-2.915	-.096	12.125	14.146
21	M60	Y	-.935	-4.802	0	1.875
22	M60	Y	-4.802	-8.669	1.875	3.75
23	M65C	Y	-4.943	-4.943	.023	7.628
24	M65D	Y	-.096	-2.915	0	2.021
25	M65D	Y	-2.915	-4.874	2.021	4.042
26	M65D	Y	-4.874	-4.697	4.042	6.063
27	M65D	Y	-4.697	-4.697	6.063	8.083
28	M65D	Y	-4.697	-4.874	8.083	10.104
29	M65D	Y	-4.874	-2.915	10.104	12.125
30	M65D	Y	-2.915	-.096	12.125	14.146

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
1	M1	Y	-.18	-5.467	0	2.021
2	M1	Y	-5.467	-9.142	2.021	4.042
3	M1	Y	-9.142	-8.811	4.042	6.063
4	M1	Y	-8.811	-8.811	6.063	8.083
5	M1	Y	-8.811	-9.142	8.083	10.104
6	M1	Y	-9.142	-5.467	10.104	12.125
7	M1	Y	-5.467	-.18	12.125	14.146
8	M7	Y	-9.273	-9.273	.023	7.628
9	M58	Y	-1.753	-9.007	0	1.875
10	M58	Y	-9.007	-16.26	1.875	3.75
11	M59	Y	-1.753	-9.007	0	1.875
12	M59	Y	-9.007	-16.26	1.875	3.75
13	M66A	Y	-9.273	-9.273	.023	7.628
14	M66B	Y	-.18	-5.467	0	2.021
15	M66B	Y	-5.467	-9.142	2.021	4.042
16	M66B	Y	-9.142	-8.811	4.042	6.063
17	M66B	Y	-8.811	-8.811	6.063	8.083
18	M66B	Y	-8.811	-9.142	8.083	10.104
19	M66B	Y	-9.142	-5.467	10.104	12.125
20	M66B	Y	-5.467	-.18	12.125	14.146
21	M60	Y	-1.753	-9.007	0	1.875
22	M60	Y	-9.007	-16.26	1.875	3.75
23	M65C	Y	-9.273	-9.273	.023	7.628
24	M65D	Y	-.18	-5.467	0	2.021
25	M65D	Y	-5.467	-9.142	2.021	4.042
26	M65D	Y	-9.142	-8.811	4.042	6.063
27	M65D	Y	-8.811	-8.811	6.063	8.083
28	M65D	Y	-8.811	-9.142	8.083	10.104
29	M65D	Y	-9.142	-5.467	10.104	12.125
30	M65D	Y	-5.467	-.18	12.125	14.146

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

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft...
1	M1	Y	-.004	-.136	0	2.021
2	M1	Y	-.136	-.228	2.021	4.042
3	M1	Y	-.228	-.22	4.042	6.063
4	M1	Y	-.22	-.22	6.063	8.083
5	M1	Y	-.22	-.228	8.083	10.104
6	M1	Y	-.228	-.136	10.104	12.125
7	M1	Y	-.136	-.004	12.125	14.146
8	M7	Y	-.231	-.231	.023	7.628
9	M58	Y	-.044	-.224	0	1.875
10	M58	Y	-.224	-.405	1.875	3.75
11	M59	Y	-.044	-.224	0	1.875
12	M59	Y	-.224	-.405	1.875	3.75
13	M66A	Y	-.231	-.231	.023	7.628
14	M66B	Y	-.004	-.136	0	2.021
15	M66B	Y	-.136	-.228	2.021	4.042
16	M66B	Y	-.228	-.22	4.042	6.063
17	M66B	Y	-.22	-.22	6.063	8.083
18	M66B	Y	-.22	-.228	8.083	10.104
19	M66B	Y	-.228	-.136	10.104	12.125
20	M66B	Y	-.136	-.004	12.125	14.146
21	M60	Y	-.044	-.224	0	1.875
22	M60	Y	-.224	-.405	1.875	3.75
23	M65C	Y	-.231	-.231	.023	7.628
24	M65D	Y	-.004	-.136	0	2.021
25	M65D	Y	-.136	-.228	2.021	4.042



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
26	M65D	Y	-.228	-.22	4.042	6.063
27	M65D	Y	-.22	-.22	6.063	8.083
28	M65D	Y	-.22	-.228	8.083	10.104
29	M65D	Y	-.228	-.136	10.104	12.125
30	M65D	Y	-.136	-.004	12.125	14.146

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	Z	-.011	-.34	0	2.021
2	M1	Z	-.34	-.569	2.021	4.042
3	M1	Z	-.569	-.548	4.042	6.063
4	M1	Z	-.548	-.548	6.063	8.083
5	M1	Z	-.548	-.569	8.083	10.104
6	M1	Z	-.569	-.34	10.104	12.125
7	M1	Z	-.34	-.011	12.125	14.146
8	M7	Z	-.577	-.577	.023	7.628
9	M58	Z	-.109	-.561	0	1.875
10	M58	Z	-.561	-1.012	1.875	3.75
11	M59	Z	-.109	-.561	0	1.875
12	M59	Z	-.561	-1.012	1.875	3.75
13	M66A	Z	-.577	-.577	.023	7.628
14	M66B	Z	-.011	-.34	0	2.021
15	M66B	Z	-.34	-.569	2.021	4.042
16	M66B	Z	-.569	-.548	4.042	6.063
17	M66B	Z	-.548	-.548	6.063	8.083
18	M66B	Z	-.548	-.569	8.083	10.104
19	M66B	Z	-.569	-.34	10.104	12.125
20	M66B	Z	-.34	-.011	12.125	14.146
21	M60	Z	-.109	-.561	0	1.875
22	M60	Z	-.561	-1.012	1.875	3.75
23	M65C	Z	-.577	-.577	.023	7.628
24	M65D	Z	-.011	-.34	0	2.021
25	M65D	Z	-.34	-.569	2.021	4.042
26	M65D	Z	-.569	-.548	4.042	6.063
27	M65D	Z	-.548	-.548	6.063	8.083
28	M65D	Z	-.548	-.569	8.083	10.104
29	M65D	Z	-.569	-.34	10.104	12.125
30	M65D	Z	-.34	-.011	12.125	14.146

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft...	End Locationft...
1	M1	X	.011	.34	0	2.021
2	M1	X	.34	.569	2.021	4.042
3	M1	X	.569	.548	4.042	6.063
4	M1	X	.548	.548	6.063	8.083
5	M1	X	.548	.569	8.083	10.104
6	M1	X	.569	.34	10.104	12.125
7	M1	X	.34	.011	12.125	14.146
8	M7	X	.577	.577	.023	7.628
9	M58	X	.109	.561	0	1.875
10	M58	X	.561	1.012	1.875	3.75
11	M59	X	.109	.561	0	1.875
12	M59	X	.561	1.012	1.875	3.75
13	M66A	X	.577	.577	.023	7.628
14	M66B	X	.011	.34	0	2.021
15	M66B	X	.34	.569	2.021	4.042
16	M66B	X	.569	.548	4.042	6.063
17	M66B	X	.548	.548	6.063	8.083

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

Member Label	Direction	Start Magnitude/lb/ft.F,ksf	End Magnitude/lb/ft.F,ksf	Start Locationft...	End Locationft...
18	M66B	X	.548	.569	8.083 10.104
19	M66B	X	.569	.34	10.104 12.125
20	M66B	X	.34	.011	12.125 14.146
21	M60	X	.109	.561	0 1.875
22	M60	X	.561	1.012	1.875 3.75
23	M65C	X	.577	.577	.023 7.628
24	M65D	X	.011	.34	0 2.021
25	M65D	X	.34	.569	2.021 4.042
26	M65D	X	.569	.548	4.042 6.063
27	M65D	X	.548	.548	6.063 8.083
28	M65D	X	.548	.569	8.083 10.104
29	M65D	X	.569	.34	10.104 12.125
30	M65D	X	.34	.011	12.125 14.146

Member Area Loads (BLC 39 : Structure D)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude/ksf	
1	N127A	N128A	N126	N125	Y	Two Way	-.005
2	N129	N127B	N126	N128A	Y	Two Way	-.005
3	N129	N127B	N125	N127A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude/ksf	
1	N127A	N128A	N126	N125	Y	Two Way	-.01
2	N129	N127B	N126	N128A	Y	Two Way	-.01
3	N129	N127B	N125	N127A	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude/ksf	
1	N127A	N128A	N126	N125	Y	Two Way	-.000243
2	N129	N127B	N126	N128A	Y	Two Way	-.000243
3	N129	N127B	N125	N127A	Y	Two Way	-.000243

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

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude/ksf	
1	N127A	N128A	N126	N125	Z	Two Way	-.000607
2	N129	N127B	N126	N128A	Z	Two Way	-.000607
3	N129	N127B	N125	N127A	Z	Two Way	-.000607

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

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude/ksf	
1	N127A	N128A	N126	N125	X	Two Way	.000607
2	N129	N127B	N126	N128A	X	Two Way	.000607
3	N129	N127B	N125	N127A	X	Two Way	.000607

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

Member	Shape	Code C...	Loc(ft)	LC Shear	Loc(ft)	Dir	LC phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn	
1	M1	L3X3X4	.478	0	43	.110	0	z 48	3863.558	46656	1.688	2.957	2... H2-1
2	M7	L3X3X4	.240	0	45	.019	0	y 24	13208.209	46656	1.688	3.459	2... H2-1
3	M12	HSS4.5X4.5X3	.112	1.875	34	.062	1.875	y 27	119967.5...	121302	16.25	16.25	1... H1-1b
4	M13	HSS4X4X4	.161	1.083	33	.047	1.083	z 9	138834.4...	139518	16.181	16.181	1... H1-1b
5	M26	PIPE 2.0	.306	11.241	7	.050	11.849	7	4625.208	32130	1.872	1.872	2... H1-1a
6	MP1A	PIPE 2.0	.100	4.375	50	.018	1	18	20866.733	32130	1.872	1.872	2... H1-1b
7	M58A	HSS4.5X4.5X3	.097	1.875	18	.039	1.875	y 23	119967.5...	121302	16.25	16.25	1... H1-1b
8	M59A	HSS4X4X4	.147	1.083	23	.047	1.083	z 5	138834.4...	139518	16.181	16.181	1... H1-1b

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

Member	Shape	Code C...	Loc(ft)	LC	Shear	...	Loc(ft)	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
9	M64B	HSS4.5X4.5X3	.094	1.875	14	.036	1.875	y	19	119967.5...	121302	16.25	16.25	1...	H1-1b
10	M65B	HSS4X4X4	.136	1.083	19	.048	1.083	z	1	138834.4...	139518	16.181	16.181	1...	H1-1b
11	M65C	L3X3X4	.248	7.651	13	.020	7.651	y	23	13208.209	46656	1.688	3.466	2...	H2-1
12	M66A	L3X3X4	.248	7.651	45	.020	0	y	16	13208.209	46656	1.688	3.496	2...	H2-1
13	M65D	L3X3X4	.479	14.146	15	.083	14.146	y	20	3863.558	46656	1.688	2.989	2...	H2-1
14	M66B	L3X3X4	.467	14.146	24	.082	14.146	y	16	3863.558	46656	1.688	3.064	2...	H2-1
15	MP2A	PIPE 2.0	.075	4.375	50	.020	4.375		2	20866.733	32130	1.872	1.872	2...	H1-1b
16	MP3A	PIPE 2.0	.163	4.375	15	.048	4.375		8	20866.733	32130	1.872	1.872	2...	H1-1b
17	MP5A	PIPE 2.0	.182	4.375	14	.088	.938		11	20866.733	32130	1.872	1.872	2...	H1-1b
18	M33	PIPE 2.0	.283	8.507	3	.051	11.849		9	4625.208	32130	1.872	1.872	2...	H1-1a
19	MP1C	PIPE 2.0	.098	4.375	17	.019	1		14	20866.733	32130	1.872	1.872	2...	H1-1b
20	MP2C	PIPE 2.0	.077	4.375	17	.021	1		9	20866.733	32130	1.872	1.872	2...	H1-1b
21	MP5C	PIPE 2.0	.081	.938	23	.088	.938		7	20866.733	32130	1.872	1.872	3...	H1-1b
22	M46	PIPE 2.0	.277	11.241	11	.054	11.849		5	4625.208	32130	1.872	1.872	2...	H1-1a
23	MP1B	PIPE 2.0	.156	4.375	37	.023	1		22	20866.733	32130	1.872	1.872	2...	H1-1b
24	MP2B	PIPE 2.0	.095	4.375	37	.022	4.375		6	20866.733	32130	1.872	1.872	2...	H1-1b
25	MP5B	PIPE 2.0	.094	4.375	19	.089	.938		3	20866.733	32130	1.872	1.872	2...	H1-1b
26	M58	LL3x3x4x0	.319	2.617	20	.044	2.578	y	44	76533.427	93312	6.48	4.368	1...	H1-1b
27	M59	LL3x3x4x0	.314	2.578	16	.041	2.578	y	16	76533.427	93312	6.48	4.368	1...	H1-1b
28	M60	LL3x3x4x0	.329	2.617	24	.040	2.578	y	24	76533.427	93312	6.48	4.368	1...	H1-1b
29	M68	L2.5x2.5x4	.192	0	8	.018	1.513	z	3	35780.387	38556	1.114	2.537	1...	H2-1
30	M70	HSS4X4X4	.088	.583	8	.063	.583	z	9	139319.4...	139518	16.181	16.181	1...	H1-1b
31	M71A	PIPE 3.0	.165	3.75	8	.100	3.75	y	9	58443.22	67068	5.913	5.913	2...	H1-1b
32	M73	L2.5x2.5x3	.097	2.354	1	.005	4.708	y	7	14162.024	29192.4	.873	1.644	1...	H2-1
33	M74	L2.5x2.5x3	.098	2.407	1	.006	0	z	7	13705.474	29192.4	.873	1.634	1...	H2-1
34	M75	HSS4X4X4	.083	.583	4	.062	.583	z	5	139319.4...	139518	16.181	16.181	1...	H1-1b
35	M76	PIPE 3.0	.155	3.75	4	.097	3.75	y	5	58443.22	67068	5.913	5.913	2...	H1-1b
36	M80	HSS4X4X4	.085	.583	12	.064	.583	z	1	139319.4...	139518	16.181	16.181	1...	H1-1b
37	M81	PIPE 3.0	.159	3.75	12	.100	3.75	y	1	58443.22	67068	5.913	5.913	2...	H1-1b
38	M85	LL2.5x2.5x3x3	.061	6.009	21	.003	6.009	y	21	36798.796	58320	3.954	2.529	1	H1-1b*
39	M86	LL2.5x2.5x3x3	.060	6.009	17	.003	0	y	17	36798.796	58320	3.954	2.529	1	H1-1b*
40	M87	LL2.5x2.5x3x3	.061	6.009	13	.002	0	y	1	36798.796	58320	3.954	2.529	1	H1-1b*
41	MP3C	PIPE 2.0	.173	4.375	23	.048	4.375		4	20866.733	32130	1.872	1.872	2...	H1-1b
42	MP3B	PIPE 2.0	.162	4.375	19	.048	4.375		12	20866.733	32130	1.872	1.872	2...	H1-1b
43	MP4A	PIPE 2.0	.119	4.375	39	.022	1		10	20866.733	32130	1.872	1.872	2...	H1-1b
44	MP4C	PIPE 2.0	.082	1	22	.020	1		6	20866.733	32130	1.872	1.872	2...	H1-1b
45	MP4B	PIPE 2.0	.088	1	18	.020	2.938		7	20866.733	32130	1.872	1.872	2...	H1-1b
46	M89A	L2.5x2.5x4	.195	0	5	.017	1.513	z	11	35780.387	38556	1.114	2.537	1...	H2-1
47	M90	L2.5x2.5x3	.099	2.354	9	.005	0	z	16	14161.971	29192.4	.873	1.644	1...	H2-1
48	M91A	L2.5x2.5x3	.098	2.407	9	.006	4.814	z	3	13705.434	29192.4	.873	1.634	1...	H2-1
49	M94A	L2.5x2.5x4	.195	0	6	.018	1.513	z	7	35780.387	38556	1.114	2.537	2...	H2-1
50	M95A	L2.5x2.5x3	.100	2.354	5	.005	4.708	z	24	14161.985	29192.4	.873	1.644	1...	H2-1
51	M96	L2.5x2.5x3	.101	2.407	5	.006	0	z	11	13705.42	29192.4	.873	1.634	1...	H2-1

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N16	max	1168.793	9	743.93	27	427.974	1	-657	74	1.009	9	.1	3
2		min	-1228.313	3	179.854	72	-170.531	7	-2.462	30	-1.078	3	-.361	33
3	N112B	max	828.022	11	563.397	23	962.304	11	.925	23	.989	5	1.829	16
4		min	-577.717	5	186.035	68	-997.968	5	.262	5	-1.085	11	.609	74
5	N122	max	469.347	10	520.342	19	1049.081	1	1.08	13	1.032	1	-.532	65
6		min	-647.754	4	173.497	64	-1201.791	7	.347	71	-1.085	7	-1.613	21
7	N130A	max	529.953	9	134.99	19	560.946	1	.676	1	.665	9	.588	3
8		min	-459.474	3	48.168	64	-624.117	7	-.857	7	-.573	3	-.679	9
9	N139	max	660.483	10	134.424	15	409.389	2	.552	2	.645	5	.934	4
10		min	-690.68	4	48.102	72	-431.196	8	-.53	8	-.601	11	-.81	10
11	N148	max	449.912	10	133.932	23	666.043	12	.884	12	.672	1	.585	4



Company :
 Designer :
 Job Number :
 Model Name : Mount Analysis

Oct 25, 2023
 11:39 AM
 Checked By: _____

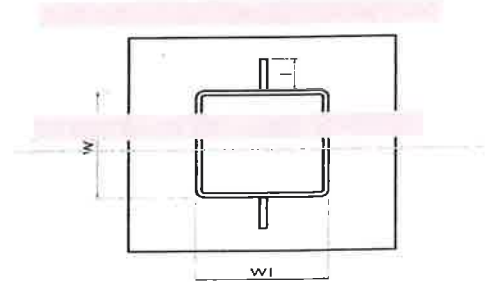
Envelope Joint Reactions (Continued)

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
12		min	-487.351	4	48.068	68	-628.255	6	-0.785	6	-0.605	7	-0.622	10
13	N148A	max	35.775	10	1725.56	13	-489.475	71	0	75	0	16	0	10
14		min	-35.778	4	572.451	70	-1461.254	13	0	1	0	10	0	16
15	N151A	max	-419.792	66	1704.737	21	728.717	24	0	6	0	48	0	48
16		min	-1250.972	20	566.817	66	240.796	68	0	48	0	6	0	6
17	N154	max	1235.349	19	1680.718	17	715.45	15	0	20	0	20	0	20
18		min	413.708	64	560.047	75	238.726	72	0	2	0	2	0	2
19	Totals:	max	3783.798	10	7076.723	14	3937.178	1						
20		min	-3783.797	4	2401.9	72	-3937.177	7						

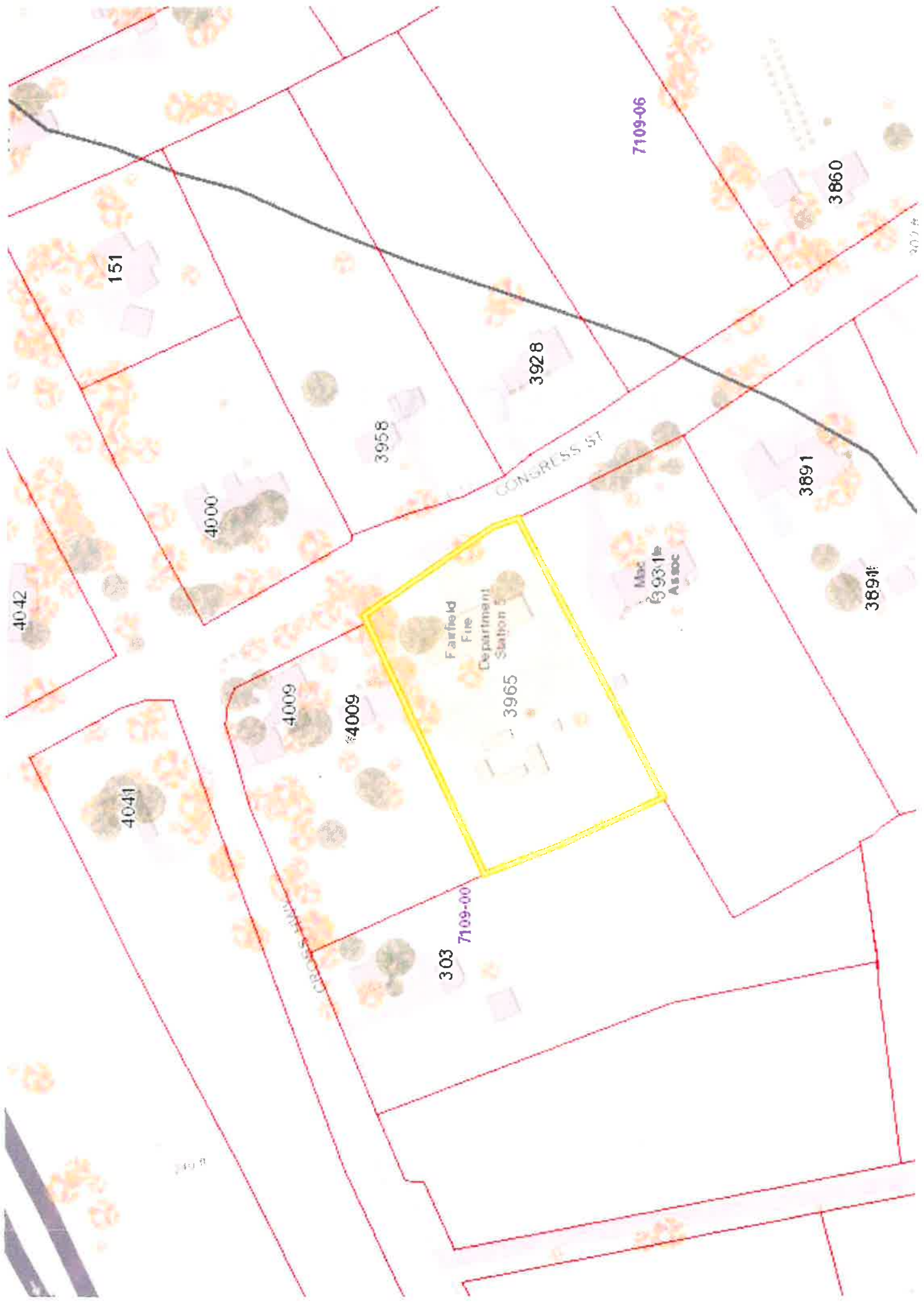
Tower Connection Weld Checks

Weld Shape:
Weld Stiffener Configuration:
Stiffener Notch Present?
Stiffener Length, l (in):
Stiffener Spacing/Width, s (in):
Weld Size (1/16 in):
W1 (in):
W2 (in):
Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in)
 c_y (in)
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

Yes
Rectangle
(1) Stiffener on top/bottom
No
3.625
4
4
4
30.50
61.62
21.33
311.97
5.625
5.625
0.58
5.57
10.5%



ATTACHMENT 5



151

7109-06

3860

3928

3958

4000

CONGRESS ST

3891

4042

Mac
Assoc

3891f

Fairfield
Fire
Department
Station 5

4009

4009f

3965

4041

CONGRESS ST

303

7109-00

300

300A



FAIRFIELD, CT



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3965 CONGRESS STREET

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Location 3965 CONGRESS STREET **Mblu** 170/41111
Acct# 05308 **Owner** FAIRFIELD TOWN OF
Assessment \$1,197,980 **Appraisal** \$1,711,400
PID 14189 **Building Count** 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$544,300	\$1,167,100	\$1,711,400
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$381,010	\$816,970	\$1,197,980

Owner of Record

Owner FAIRFIELD TOWN OF **Sale Price** \$0
Co-Owner **Certificate**
Address 725 OLD POST ROAD **Book & Page** 0395/0523
 FAIRFIELD, CT 06824 **Sale Date** 01/01/1800

ATTACHMENT 6



Certificate of Mailing — Firm

Name and Address of Sender
 Kenneth C. Baldwin, Esq.
 Robinson & Cole LLP
 280 Trumbull Street
 Hartford, CT 06103

TOTAL NO. of Pieces Listed by Sender
 2

TOTAL NO. of Pieces Received at Post Office™
 2

Affix Stamp Here
 Postmark with Date of Receipt.



Postmaster, per (name of receiving employee)
 AS

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	William Gerber, First Selectman Town of Fairfield - Sullivan Independence Hall 725 Old Post Road Fairfield, CT 06824				
2.	James Wendt, Planning Director Town of Fairfield - Sullivan Independence Hall 725 Old Post Road Fairfield, CT 06824				
3.					
4.					
5.					
6.					

