NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
denise@northeastsitesolutions.com

November 22, 2021

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Exempt Modification Application
60 South Main Street, East Granby, CT 06026
Latitude: 41.941555
Longitude: -72.738666
Site #: 876399_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 60 South Main Street, East Granby, CT 06026. Verizon Wireless currently maintains twelve (12) antennas at the 67-foot level of the existing 98-foot tower. The property is owned by Galasso Holdings LLC, and the tower is owned by Crown Castle. Verizon now intends to replace six (6) antennas and add three (3) antennas. The new antennas would be installed at the 110-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Mount modifications will be installed per the attached Maser Mount Analysis report dated September 10, 2021.

Verizon Planned Modifications:

Remove:
(1) Raycap OVP

Remove and Replace:
(3) LPA-80063-6CF Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF440D-13A
(3) Nokia B66A RRH (REMOVE) - (3) Samsung RF4439D-25A
(1) Raycap OVP (REMOVE) - (1) Raycap RVDC-6627-PF-48

Install New:
(1) Hybrid Line

Existing to Remain:
(6) ANDREW Antennas
(12) 1-5/8" Coax

The facility was approved by the East Granby Planning & Zoning Commission on November 28, 2000. Please see attached.

NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to James Hayden, First Selectman and Gary Haynes, Director of Community Development for the Town of East Granby. A copy is also being sent to the tower owner and property owner.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.

2. The proposed modifications 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 operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
E-mail: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: James Hayden, First Selectman
Town of East Granby
9 Center St, P.O. Box 1858
East Granby, CT 06026

Gary Haynes, Director of Community Development
Town of East Granby
9 Center St, P.O. Box 1858
East Granby, CT 06026

Galasso Holdings LLC
PO Box 1776
East Granby, CT 06026

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

TOWN OF EAST GRANBY
PLANNING & ZONING COMMISSION
9 CENTER STREET
P.O. BOX 1858
EAST GRANBY, CT 06026
653-3444

November 29, 2000

Sprint Spectrum L.P. dba Sprint PCS
9 Barnes Industrial Road
Wallingford, CT 06492

CERTIFIED MAIL

Dear Sirs,

At its meeting on November 28, 2000, the East Granby Planning & Zoning Commission voted to approve your Application #00-20 for a communication tower on the Galasso Holdings property subject to the following conditions:

1. A letter of approval be provided from the FAA that the proposed tower meets their requirements (ref. section IX, G3d of the Zoning Regulations).
2. A $50,000 bond shall be posted prior to construction to be used to remove the tower if abandoned per section IX, G7 of the Zoning Regulations.

Sincerely,

Frederick O'Brien (RHHC)

Frederick O'Brien
Chairman

Cc: Town Clerk
Building Official
Town Engineer
Assessor
Attorney Thomas Regan

Sprint PCS℠
Sprint Personal Communication Services℠

Site Development Northeast
Crossroads Corporate Center
1 International Boulevard, Suite 800
Mahwah, New Jersey 07495
Mailstop: NJMAHA0101
Telephone: 201-684-4000

Wayne Medlin, Property Specialist
Office: (201) 684-4063
Cell: (516) 850-5897
Fax: (201) 684-4070

December 26, 2000

VIA FEDEX
Rosalie McKenney
Town of East Granby
9 Center Street
P.O. Box 1858
East Granby, Connecticut 06026

Re: Tower removal bond for property located at 60 South Main Street, East Granby, CT 06026

Dear Rosalie:

Enclosed please a Tower removal bond, in the amount of ($50,000) fifty thousand dollars, prepared and executed in accordance with the conditions of zoning approved for Sprint's proposed site located at the above referenced location. Should you have any questions, or require something further, please do not hesitate to contact me.

Very truly yours,

Wayne Medlin
Property Specialist

Enclosures

Planimetrics

MEMORANDUM

To: East Granby Planning & Zoning Commission

From: Glenn Chalder, AICP

Date: October 8, 1997

Subject: **Adopted Zoning Regulation Changes**
Personal Communication Service (PCS) Towers

I am enclosing a copy of the PCS regulation as adopted by the Planning and Zoning Commission at their meeting on October 7, 1997.

It has been a pleasure working with the Commission on this. If we can be of additional service, please let us know.

The East Granby Planning & Zoning Commission approved the attached Zoning Regulation changes on 10/7/97 to be effective 10/17/97.

Frederick O'Brien

Frederick O'Brien, Chairman

10/22/97

Date

Planimetrics, LLP, Riverdale Farms, 136 Simsbury Road, Avon, CT 06001 Fax: 860-674-2693 Voice: 860-677-5267

ZONING REGULATION AMENDMENT

Personal Communication Service (PCS) Towers

(add the following)

II. INTERPRETATION

C. DEFINITIONS

Antenna - A device used to transmit or receive telecommunications or radio signals.

Concealed Antenna - A communication facility and associated antenna(s) that are designed to blend into the surrounding environment by being mounted and screened on buildings or being similarly disguised in the natural environment.

Communications Tower - A structure (including monopoles, guyed towers, or lattice structures) that is used to support one or more antenna as part of a communication facility.

Communication Facility - towers or antennas and accessory structures used in connection with the provision of telecommunication services such as cellular telephone service, personal communication services, paging services, radio or television broadcasting services, and similar broadcast services.

(modify the following)

III. GENERAL REGULATIONS

B. GENERAL PROVISIONS

4. Height Exceptions

The provisions of these Regulations limiting the maximum height of buildings shall not restrict the height of a spire, flagpole, (~~antenna~~), chimney, water tank, elevator bulkhead, solar panel or similar uses provided such uses shall not interfere with an airport approach surface.

(add the following)

III. GENERAL REGULATIONS

B. GENERAL PROVISIONS

6. Antennas

The provisions of these Regulations limiting the maximum height of buildings shall not restrict the height of an antenna that is erected solely for municipal purposes or that is clearly accessory to a permitted principal use in a residential zone, provided such antennae shall not interfere with an airport approach surface. The Commission may allow other proposed antennae in accordance with the requirements of Section IX. G. of these Regulations.

(add the following)

IX. SPECIAL REGULATIONS
G. ANTENNAE

1. Purpose

This section is intended to provide for telecommunications facilities within East Granby while protecting the public health, safety, and welfare and minimizing adverse visual and environmental impacts.

2. Application Process

a) An application for a new tower or a new antenna shall be processed as follows:

Zone Type	Communication Tower Type	Tower/Antenna Type	Application Type
Residential, Agricultural, and Quarry zones	No tower proposed	Concealed antenna on a non-residential building	Special Permit
		On an existing non-residential building or structure (such as a water tower or utility pole)	Special Permit
	Existing tower	New Antenna	Special Permit
	Concealed tower	Concealed Antenna	Special Permit
	New tower	Monopole (lower than or equal to 100 feet)	Special Permit
		Monopole (more than 100 feet)	Special Permit
		Lattice or Guyed	Special Permit
All other zones B Business P Professional I Industrial	No tower proposed	Concealed antenna	Site Plan
		On an existing non-residential building or structure (such as a water tower or utility pole)	Site Plan
	Existing tower	New Antenna	Site Plan
	Concealed tower	Concealed Antenna	Site Plan
	New tower	Monopole (lower than or equal to 100 feet)	Site Plan
		Monopole (more than 100 feet)	Special Permit
		Lattice or Guyed	Special Permit

b) The proposed height of an antenna shall be measured from the prevailing ground elevation at the base of the tower, antenna, or any other supporting structure (including existing buildings) to the top of any antenna or other appurtenances attached to the tower or antenna.

c) The Commission may retain its own experts, at the applicant's expense, to verify any information submitted in conjunction with any application.

d) The application fee for a tower or antenna proposed under this section as part of a communications facility shall be $250 plus the cost of any outside experts retained by the Commission. To cover these potential costs, the applicant shall submit a certified check for $250 plus $100 per foot of proposed tower/antenna height with the application. Any fees not utilized by the Commission shall be returned to the applicant following disposition of the application.

3. **Required Information**

a) The applicant shall submit documentation to demonstrate that it is a licensed provider authorized by the Federal Communications Commission to operate the proposed type of facility.

b) Any application under this section shall include the following site selection information:
- a map showing:
  - the extent of planned coverage in East Granby and in adjacent communities,
  - the location and service area of the proposed antenna and/or tower.
- a written statement describing:
  - the need for the proposed facility (coverage, signal strength, other),
  - the siting and design criteria used for the proposed facility,
  - the location of the site search area and sites identified (alternatives),
  - the process by which other possible sites in the search area were considered and/or eliminated for legal, technological, economic, or other reasons,
  - technological alternatives to the proposed facility and the economic or other implications associated with those alternatives, and
  - reasons for the selection of the proposed site and design (tower, antenna).

c) Any application under this section shall include the following design information:
- a description of the proposed tower, antennae and any associated equipment (transformer, generator),
- a site plan clearly locating the proposed facilities, proposed access, and any other activities on the proposed site,
- plan and elevation drawings showing the proposed tower, antenna, mounting locations (proposed and future), associated equipment, and other structures on the site,
- topographic profiles (running up/down slope and cross slope, at a minimum) showing the location of the proposed facilities in relation to surrounding areas and structures,
- architectural or photographic rendering of the proposed facility from a location designated by the Zoning Enforcement Officer, and
- a colored plan or plans clearly indicating the proposed color of any existing features or proposed facilities or equipment.

d) Any application under this section shall include the following additional information:
- a copy of any proposed lease(s) or agreements for the proposed facilities and required appurtenances,
- a written statement describing how the proposed facility complies with the concept of multiple use and/or concealment,
- written statements by competent professional describing the impact on public health and safety associated with the proposed activity with particular emphasis on radio emissions (signal frequency, intensity, and power density) and structural integrity, and
- a written statement describing any requirements of other government agencies regarding illumination, colors, airport approach surfaces, or other requirements.

6. Site & Building Design

a) Any facility shall be surrounded by a fence of appropriate design at least eight feet in height. Landscaping around the facility may be required by the Commission depending on site location and characteristics.

b) All utilities shall be located underground unless otherwise approved by the Commission.

c) Unless waived by the Commission, any accessory equipment building shall:
- shall not exceed 750 square feet of gross floor area,
- shall not exceed 12 feet in height, and
- shall have a gable roof and be architecturally finished to look like a residential or agricultural structure.

d) If located on the roof of a building, equipment building shall be screened or concealed.

7. Maintenance and Abandonment

a) The improvements associated with any facility shall be regularly inspected and maintained. Any facility that is not being maintained will be considered abandoned.

b) The facility owner shall submit an annual report (by the anniversary date of the approval of the application) to the Commission or its designee indicating:
- whether the facility is in use,
- that the facility has been inspected on a regular basis and the inspection dates of the facility during the past year,
- whether the facility is in compliance with governmental standards for radio frequency emissions at the designated frequencies and power levels,
- whether the facility is in compliance with the conditions of any approval, and
- that contact was made with the Building Department at Town Hall to identify any issues with regard to the tower, who was contacted, what the issues are, and detailing the proposed responses to any issues.

c) In the event that the Building Official shall determine that any component of a facility is unsafe, the applicant shall, within 30 days, repair or replace or remove the facility or the unsafe condition.

d) Any facility not in use for twelve months shall be considered abandoned. Any facility that fails to file an annual report shall be considered abandoned. An abandoned facility shall be removed within ninety days and the site restored.

e) A bond shall be required prior to the construction of any facility to ensure that any required repair, replacement, or removal shall be accomplished. Prior to using the bond to remove or repair the facility, the Commission shall notify the applicant that the bond will be utilized. Such bond or any remaining bond amount shall be returned to the applicant upon removal of the facility and restoration of the site.

Adopted: October 7, 1997
Effective Date: October 17, 1997

e) Any application for a new tower shall also include the following information:
- a description of the proposed tower and any associated equipment (including height, construction type, purpose, design features, means of power supply),
- a written statement describing the extent to which the proposed tower has been designed to be extended and/or accommodate additional service providers in the future,
- a plan showing the number and type of antennas that can be accommodated (proposed and future) as well as the proposed location of all mounting positions for co-located antennas and the minimum separating distances for antennas,
- a written statement that indicates how additional service providers will be accommodated on the proposed tower in the future, and
- a written statement indicating that local municipal and public safety departments were offered the opportunity to locate their facilities on the proposed tower.

4. Tower Location & Design

a) To maintain the natural state surrounding the public trail system and to avoid a negative visual impact on a large area of the town, no tower shall, unless modified by the Commission, be located within:
- 500 feet of the Metacomet Ridge if it extends above the existing tree line,
- one mile of the Metacomet Ridge if it extends above the top of the ridge,
- three miles of another tower.

b) In reviewing an application, the Commission may require the applicant to:
- simulate the tower height by balloon or other method that will evaluate scenic impact,
- investigate alternative locations and report back to the Commission on their feasibility.

c) Any proposed tower shall be located on a conforming lot. A tower shall be set back from property lines 125 percent of the height of the tower and all appendages unless the applicant has submitted, and the Commission has accepted, engineering data to show that the tower is collapsible and will fall within the property lines of the lot on which it is located.

d) Unless waived by the Commission, each tower shall be designed and built to accommodate the equipment of at least two other service providers:
- when initially built, or
- by vertically extension in the future.

e) No illumination of any tower shall be permitted unless specifically requested by the applicant and specifically approved by the Commission. Limitations on illumination shall be made a condition of any approval.

5. Antenna Limitations

a) Unless waived by the Commission:
- no more than two dish antennas shall be placed on any tower,
- all dish antenna be mesh design,
- no dish antenna shall be more than:
  - two feet in diameter in residential zones, or
  - six feet in diameter in non-residential zones.

Exhibit B

Property Card

60 SOUTH MAIN STREET

Location	60 SOUTH MAIN STREET	**Mblu**	11/ 11/ / /
Acct#	100819	**Owner**	GALASSO HOLDINGS LLC
Assessment	$1,365,600	**Appraisal**	$1,950,700
PID	341	**Building Count**	3

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$1,410,600	$540,100	$1,950,700
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$987,500	$378,100	$1,365,600

Owner of Record

Owner	GALASSO HOLDINGS LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	PO BOX 1776 EAST GRANBY, CT 06026	**Book & Page**	0112/0814
		Sale Date	03/06/1997

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
GALASSO HOLDINGS LLC	$0		0112/0814	03/06/1997

Building Information

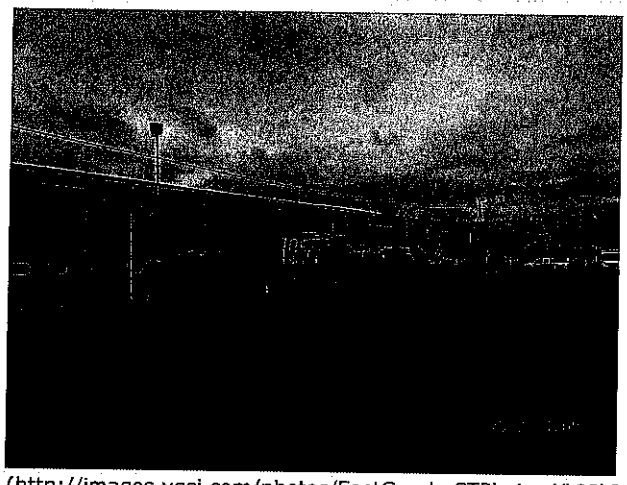
Building 1 : Section 1

Year Built:	1969
Living Area:	43,230
Replacement Cost:	$1,509,592
Building Percent Good:	61
Replacement Cost Less Depreciation:	$920,900

Building Attributes	
Field	**Description**

STYLE	Garage
MODEL	Industrial
Grade	Average
Stories:	1
Occupancy	1
Exterior Wall A	Concr/Cinder
Exterior Wall B	
Roof Structure	Gable/Hip
Roof Cover	Tar & Gravel
Interior Wall A	Unfin/Minimum
Interior Wall B	
Interior Floor A	Concr-Finished
Interior Floor B	
Heating Fuel	Oil
Heating Type	Steam
AC Type	None
Bldg Use	Industrial C
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3-1C
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	16
% Comn Wall	0

Building Photo



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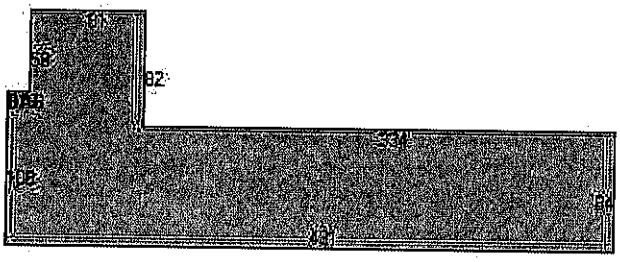
Building Layout



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Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	43,230	43,230
		43,230	43,230

Building 2 : Section 1

Year Built: 1969
Living Area: 5,720
Replacement Cost: $273,597
Building Percent Good: 61
Replacement Cost Less Depreciation: $166,900

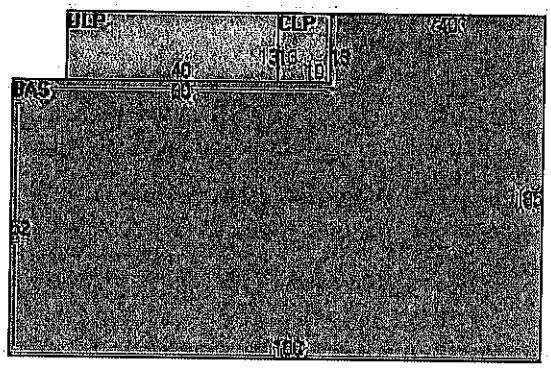
Building Attributes : Bldg 2 of 3	
Field	Description
STYLE	Service Shop
MODEL	Industrial
Grade	Below Average

Stories:	1
Occupancy	1
Exterior Wall A	Concr/Cinder
Exterior Wall B	
Roof Structure	Gable/Hip
Roof Cover	Asphalt
Interior Wall A	Unfin/Minimum
Interior Wall B	
Interior Floor A	Concr-Finished
Interior Floor B	Minimum/Plywd
Heating Fuel	Oil
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	Industrial C
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3-1
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	-DESCRIPTION-
Rooms/Prtns	AVERAGE
Wall Height	10
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/EastGranbyCTPhotos//\00\01\17

Building Layout



(http://images.vgsi.com/photos/EastGranbyCTPhotos//Sketches/

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	5,720	5,720
CLP	Loading Platform, Finished	130	0
ULP	Loading Platform, Unfinished	520	0
		6,370	5,720

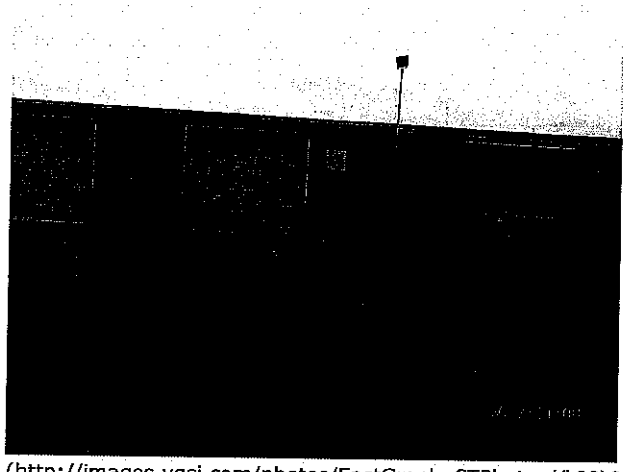
Building 3 : Section 1

Year Built: 1972
Living Area: 8,000
Replacement Cost: $404,000
Building Percent Good: 61
Replacement Cost Less Depreciation: $246,400

Building Attributes : Bldg 3 of 3	
Field	Description
STYLE	Light Indust

MODEL	Industrial
Grade	Average
Stories:	1
Occupancy	1
Exterior Wall A	Concr/Cinder
Exterior Wall B	
Roof Structure	Flat
Roof Cover	Rolled Compos
Interior Wall A	Unfin/Minimum
Interior Wall B	
Interior Floor A	Concr-Finished
Interior Floor B	
Heating Fuel	Oil
Heating Type	Steam
AC Type	None
Bldg Use	Industrial C
Total Rooms	0
Total Bedrms	0
Total Baths	0
1st Floor Use:	
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	16
% Comn Wall	0

Building Photo



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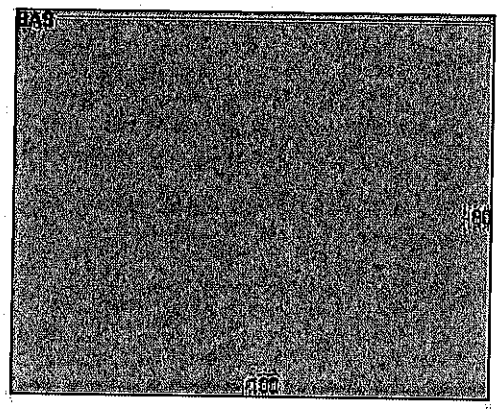
Building Layout



(http://images.vgsi.com/photos/EastGranbyCTPhotos//Sketches/

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	8,000	8,000
		8,000	8,000

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
MEZ	Mezzanine	960 S.F.	$8,800	3

Land

Land Use

Use Code	3-1
Description	Industrial C
Zone	I

Land Line Valuation

Size (Acres)	89.97
Frontage	0
Depth	0

Neighborhood		**Assessed Value**	$378,100
Alt Land Appr	No	**Appraised Value**	$540,100
Category			

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
SHED	Shed	A	Average	180 S.F.	$1,300	1
SHED	Shed	A	Average	640 S.F.	$3,500	2
LNT	Lean-To			350 S.F.	$1,400	1
SHED	Shed	A	Average	100 S.F.	$500	2
SHED	Shed	A	Average	200 S.F.	$2,200	3
LNT	Lean-To			240 S.F.	$1,000	2
SHED	Shed	A	Average	1250 S.F.	$11,300	1
GAR1	Garage	A	Average	1280 S.F.	$19,200	2
LNT	Lean-To			1472 S.F.	$8,800	1
SHED	Shed	A	Average	160 S.F.	$1,700	1
SHED	Shed	A	Average	252 S.F.	$1,400	2
SHED	Shed	A	Average	140 S.F.	$1,000	2
SHED	Shed	G	Good	360 S.F.	$5,200	1
SHED	Shed	A	Average	360 S.F.	$4,500	1
FNC	Chain Link Fence	06	6 Ft. Height	600 L.F.	$4,600	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$1,293,500	$536,600	$1,830,100
2012	$1,409,400	$359,400	$1,768,800
2007	$818,700	$429,800	$1,248,500

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$905,600	$375,600	$1,281,200
2012	$986,700	$251,600	$1,238,300
2007	$573,100	$300,900	$874,000

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Google Maps 60 S Main St

Map data ©2021 Google 200 ft

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 469130
VERIZON SITE NAME: EAST GRANBY 3 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 98'-0"
BUSINESS UNIT #: 876399
SITE ADDRESS: 60 SOUTH MAIN ST. EAST GRANBY, CT 06026
COUNTY: HARTFORD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD 16272246

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	(F) E. GRANBY 4Q2000 / GALASSO
SITE ADDRESS:	60 SOUTH MAIN ST. EAST GRANBY, CT 06026
COUNTY:	HARTFORD
MAP/PARCEL #:	11/ 11 / / /
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.941553
LONGITUDE:	-72.738681
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	263'
CURRENT ZONING:	I - INDUSTRIAL
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	GALASSO HOLDINGS LLC PO BOX 1776 EAST GRANBY, CT 06026
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 1515 E. WOODFIELD ROAD SCHAUMBURG, IL 60173
ELECTRIC PROVIDER:	N/A
TELCO PROVIDER:	N/A

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 MARVIN PHILLIPS (918) 587-4630
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 N/A - PROJECT MANAGER N/A - CONSTRUCTION MANAGER
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

DRAWING INDEX

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ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10101463
VzW LOCATION CODE (PSLC)	469130

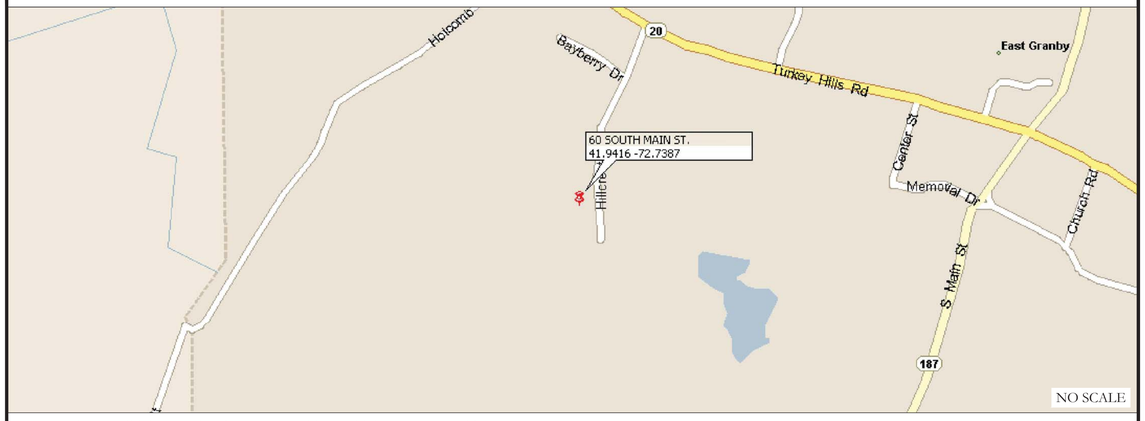
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

LOCATION MAP



DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:
HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT CONTINUE STRAIGHT CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON TAKE THE CT-20 W EXIT TOWARD E GRANBY/GRANBY CONTINUE ONTO CT-20 W TURN LEFT ONTO HILLCREST RD

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	10/11/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	9/10/21
RFDS REVISION:	1
DATED:	8/27/21
ORDER ID:	589573
REVISION:	0

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PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (6) ANTENNAS
- REMOVE (6) RADIOS
- REMOVE (2) JUNCTION BOXs
- REMOVE (2) 6X12 HYBRIFLEX NON-LI CABLES
- INSTALL (3) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (1) 12X24 HYBRIFLEX LI CABLE
- INSTALL (1) OVP-12 PENDANT

GROUND SCOPE OF WORK:
- NONE

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
469130

BU #: **876399**
(F) E. GRANBY 4Q2000 / GALASSO

60 SOUTH MAIN ST.
EAST GRANBY, CT 06026

EXISTING 98'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
11/10/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: T-1

REVISION: 0

127643.009.01_(F)E.GRANDBY 402000.dwg — Sheet:T-1 — User: jrichardson — Nov 10, 2021 — 9:17am

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: VERIZON
   TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER....................40 ksi
   #5 BARS AND LARGER....................60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH....................3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER....................2"
   #5 BARS AND SMALLER....................1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS....................3/4"
   BEAMS AND COLUMNS....................1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW	GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
ORANGE	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
BLUE	POTABLE WATER
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
GREEN	SEWERS AND DRAIN LINES

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

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VERIZON SITE NUMBER:
469130

BU #: **876399**
(F) E. GRANBY 4Q2000 / GALASSO

60 SOUTH MAIN ST.
EAST GRANBY, CT 06026

EXISTING 98'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR

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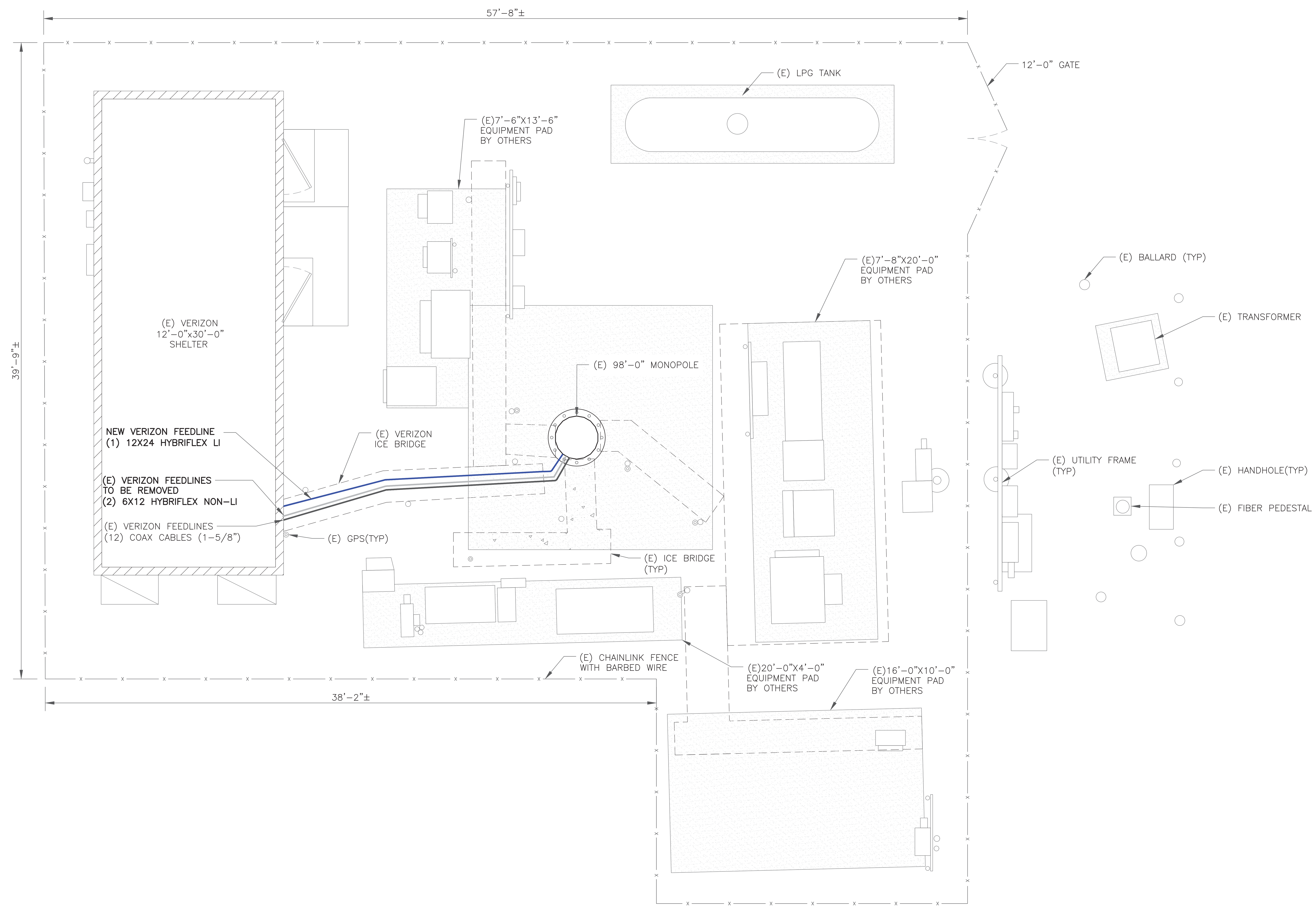
SHEET NUMBER: T-2
REVISION: 0



1 SITE PLAN

SCALE: 4' 3' 2' 1' 0 4' — 1/4"=1'-0" (FULL SIZE) 1/8"=1'-0" (11x17)

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SHEET NUMBER: C-1
REVISION: 0

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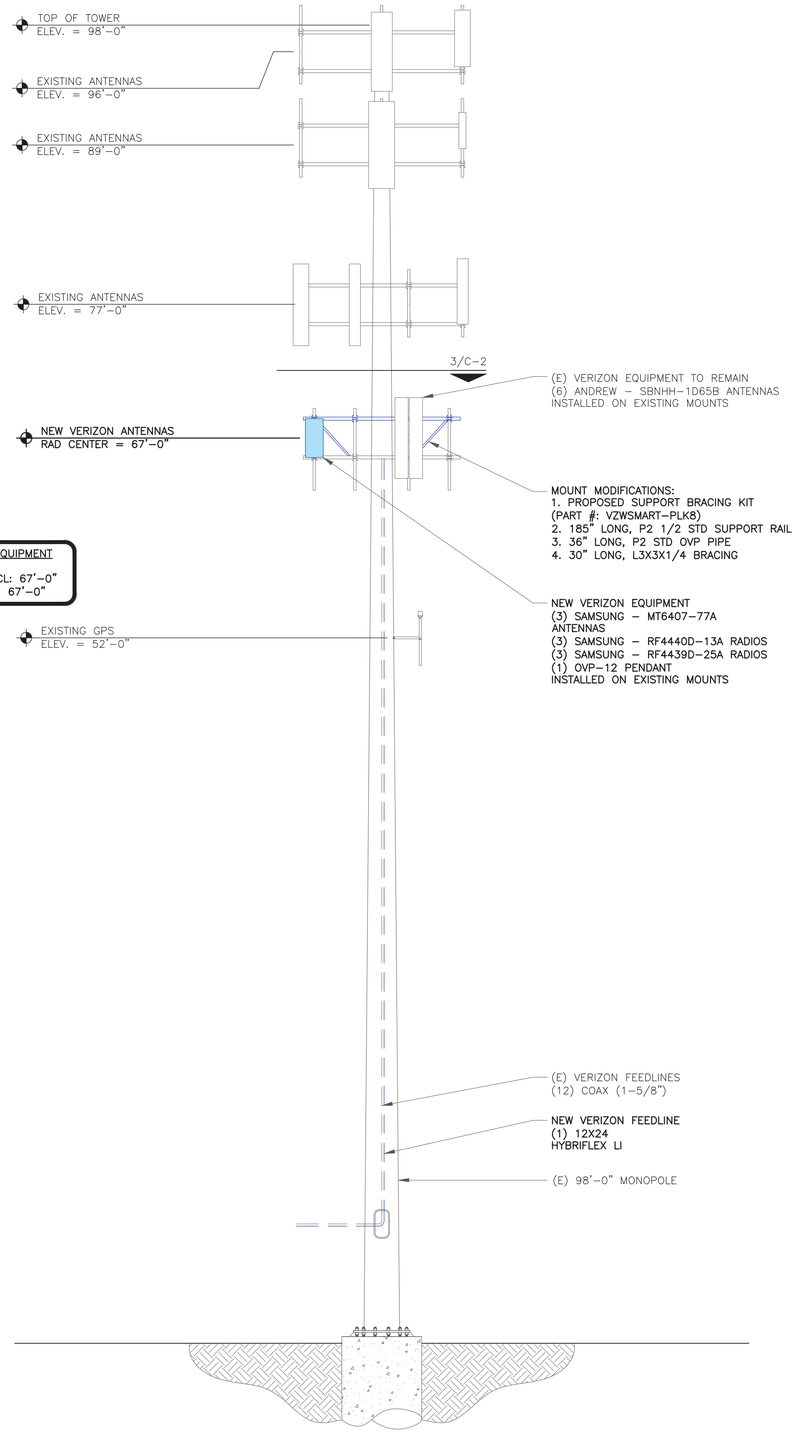
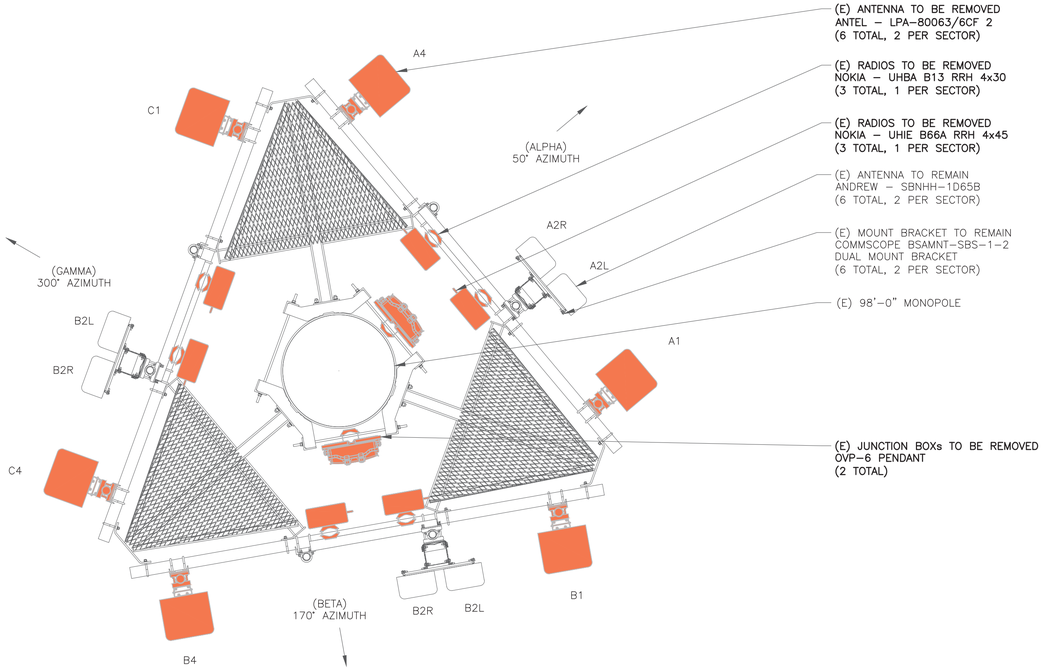
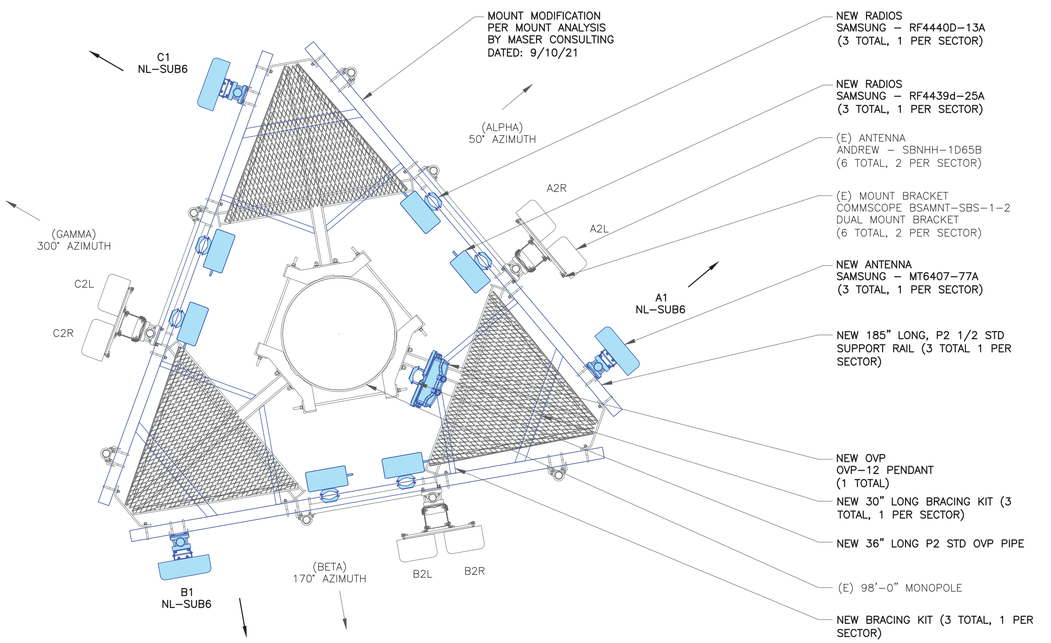


1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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SHEET NUMBER: C-2

REVISION: 0

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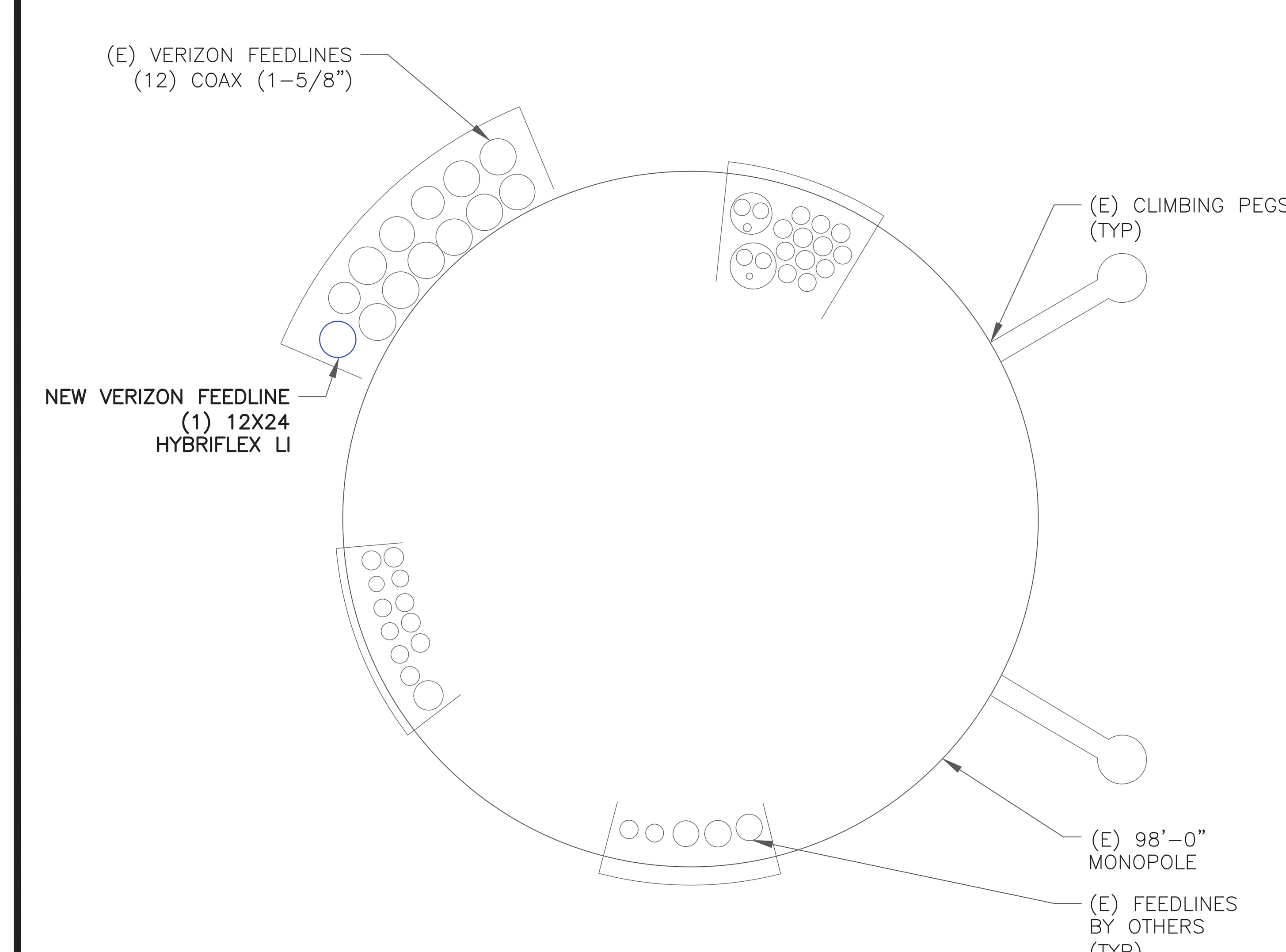
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407–77A	67'–0"	50°	0°	6°	RAYCAP	(1) RVZDC–6627–PF–48
–	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
A2L	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	50°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4440D–13A
A2R	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	50°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4439D–25A
–	–		EMPTY MOUNT PIPE	–	–	–	–	–	–
B1	NEW	SAMSUNG	MT6407–77A	67'–0"	170°	0°	6°	–	–
B2L	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	170°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4440D–13A
B2R	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	170°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4439D–25A
–	–		EMPTY MOUNT PIPE	–	–	–	–	–	–
–	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
C1	NEW	SAMSUNG	MT6407–77A	67'–0"	300°	0°	6°	–	–
C2L	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	300°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4440D–13A
C2R	EXISTING	ANDREW	SBNHH–1D65B	67'–0"	300°	0°	1°/1°/1°/0°/0°	SAMSUNG	(1) RF4439D–25A
–	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
–	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1–5/8"	117'–0"±	12
NEW	HYBRID	12X24	117'–0"±	1
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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BU #: **876399**
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EXISTING 98'-0" MONOPOLE

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SHEET NUMBER: C-3
REVISION: 0

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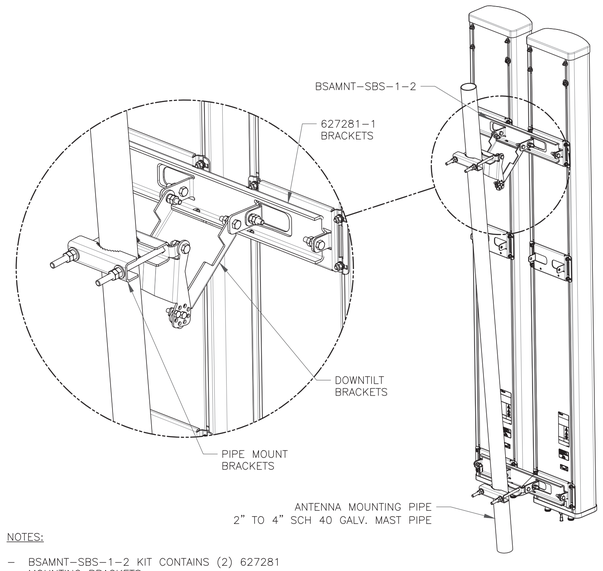
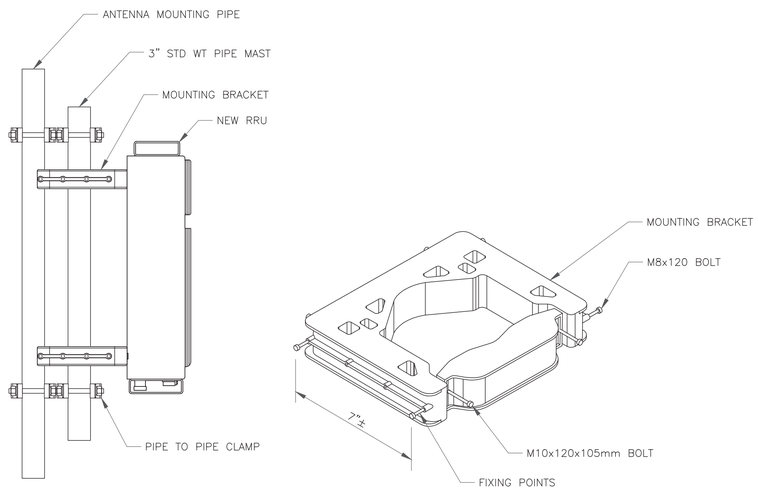


NOTES:

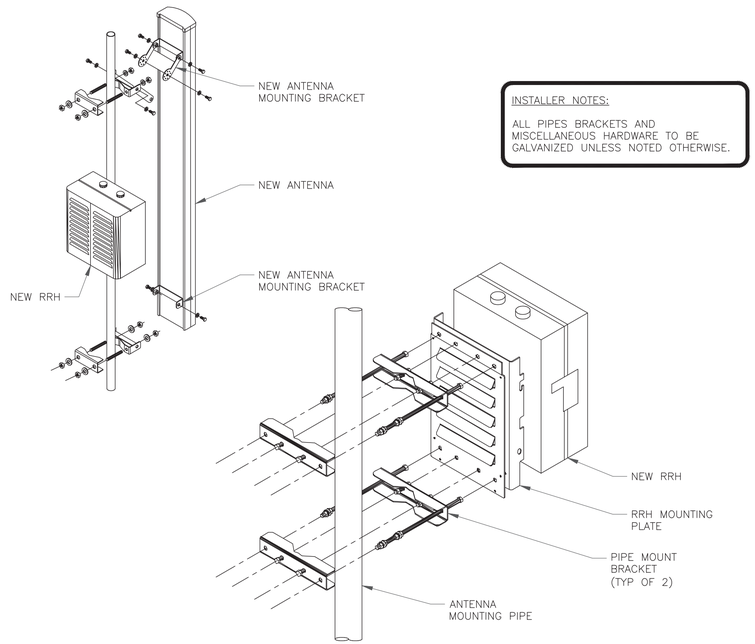
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

1 COMMSCOPE – BSAMNT-SBS-1-2
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



3 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

ALL PIPES BRACKETS AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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SHEET NUMBER: C-4
REVISION: 0

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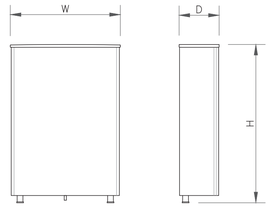
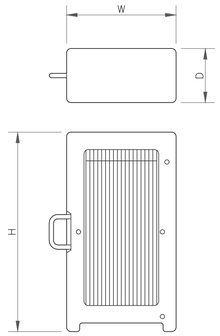


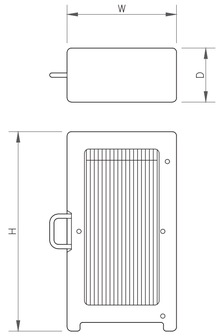
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



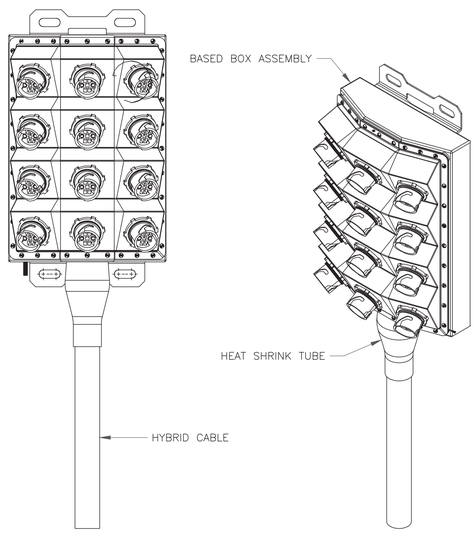
RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

2 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.00"
HEIGHT	14.96"
WEIGHT	44.00 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



COMMSCOPE - RAYCAP-RVZDC-6627-PF-48
WEIGHT (WITHOUT MOUNTING HARDWARE): 32.00 LBS.
SIZE (HxWxD): 28.93x15.73x10.31 IN.

4 RAYCAP- RVZDC-6627
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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SHEET NUMBER: C-5

REVISION: 0

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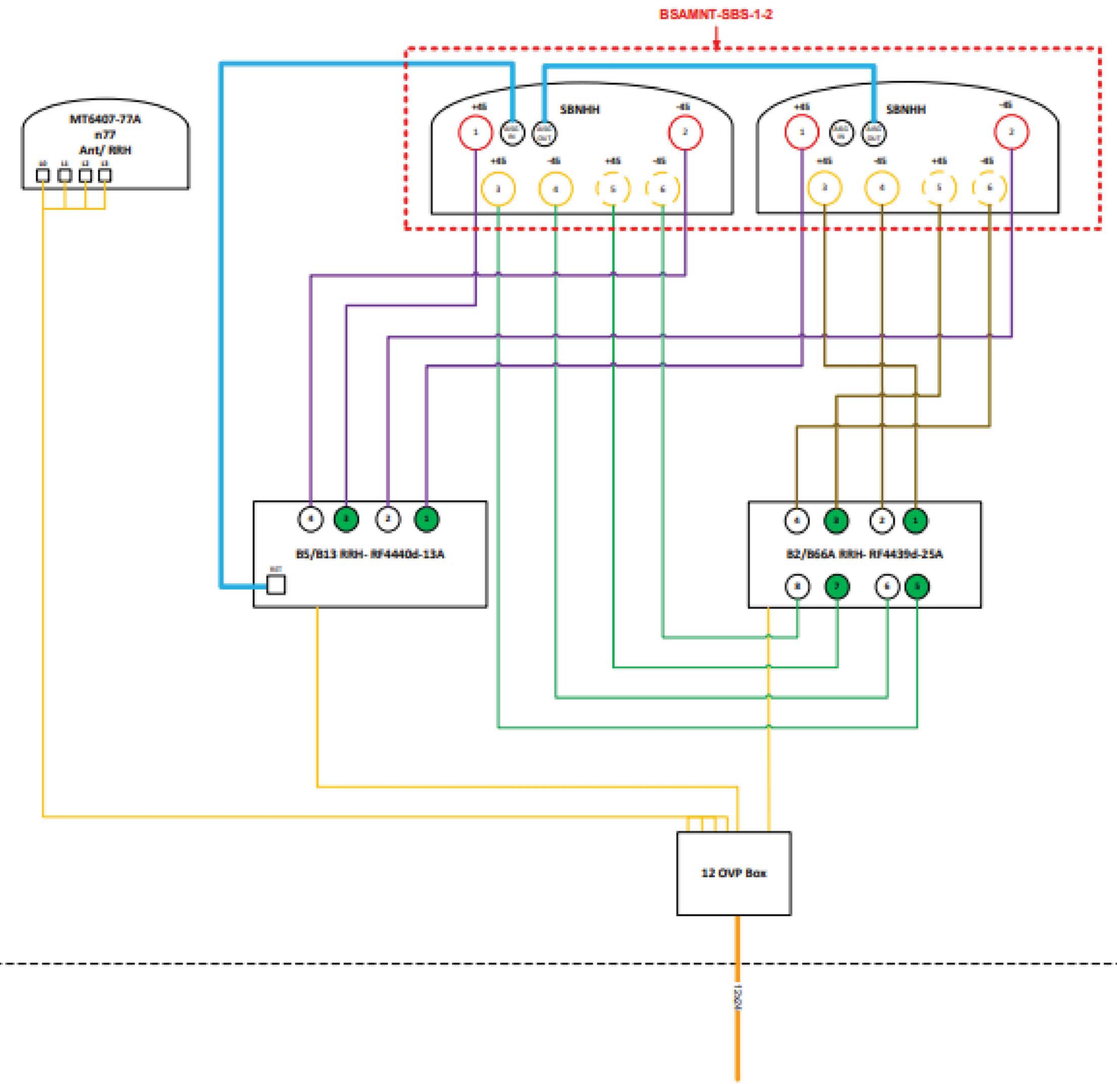
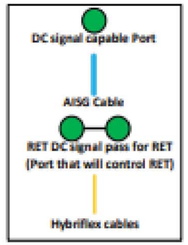


- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.

RET DC signal pass for RET
(Port that will control RET)



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

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)

1 PLUMBING DIAGRAM
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BU #: **876399**
(F) E. GRANBY 4Q2000 / GALASSO

60 SOUTH MAIN ST.
EAST GRANBY, CT 06026

EXISTING 98'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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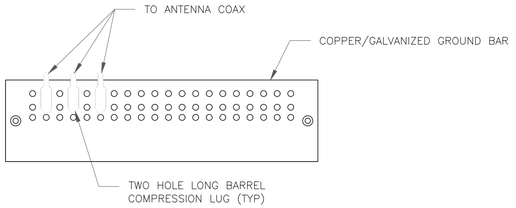
SHEET NUMBER: C-6

REVISION: 0

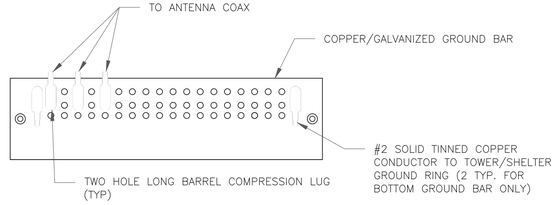
127643.009.01_(FJE.GRANDBY 402000.dwg — Sheet:C-6 — User: jrichardson — Nov 10, 2021 — 9:17am



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

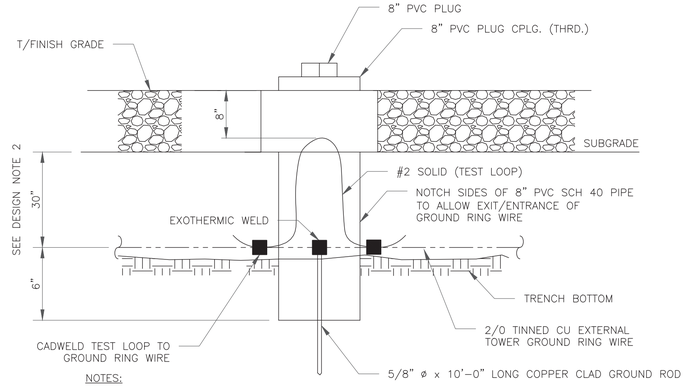
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

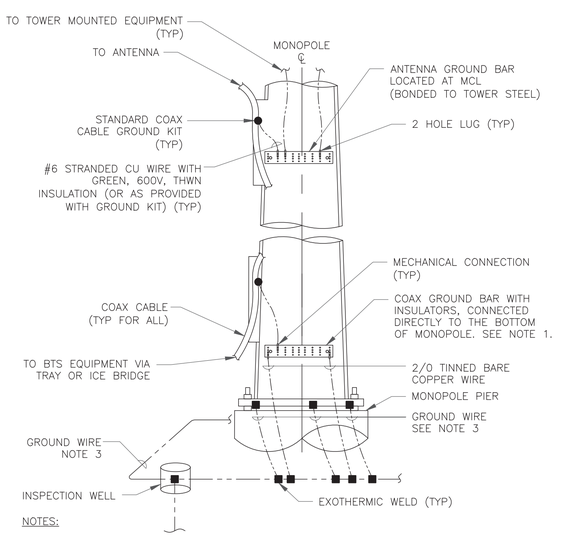
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

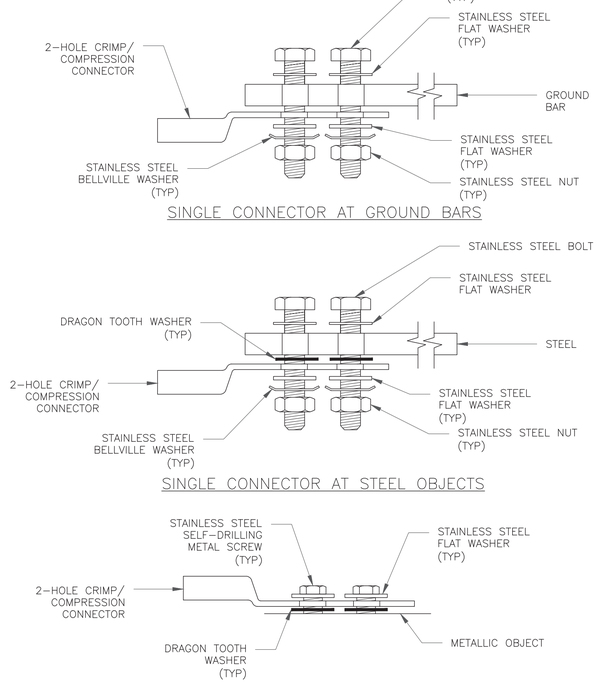
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



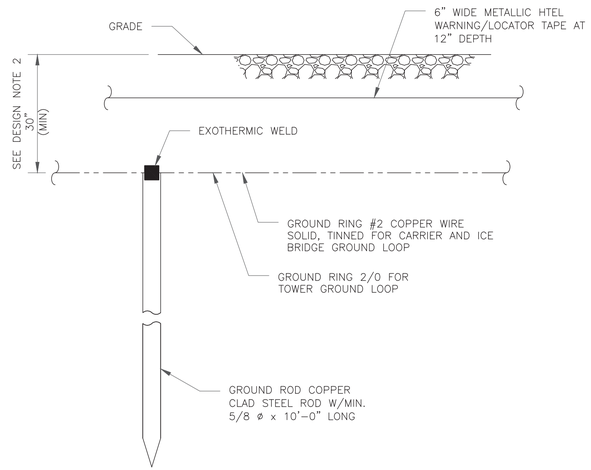
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
469130

BU #: **876399**
(F) E. GRANBY 4Q2000 / GALASSO

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EXISTING 98'-0" MONOPOLE

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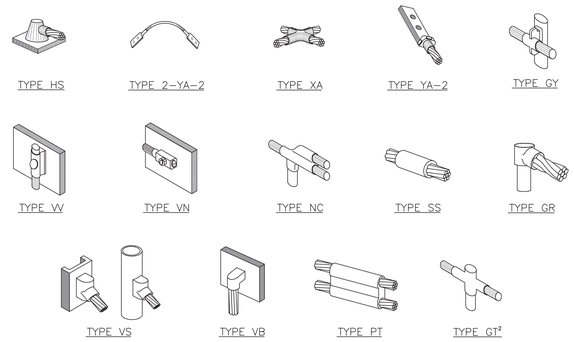
REVISION: 0

127643.009.01_(F)E.GRANDBY 402000.dwg — Sheet:G-1 — User: jrichardson — Nov 10, 2021 — 9:17am

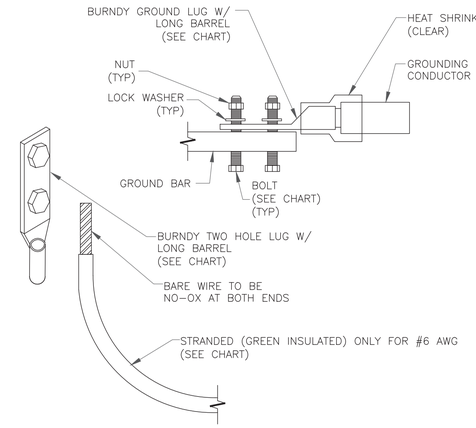


NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

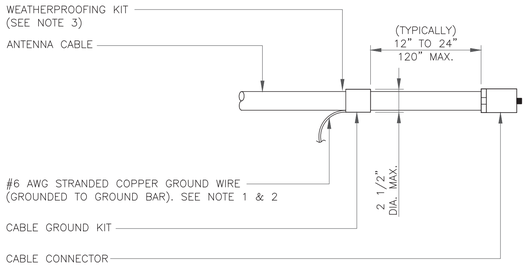
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER,GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

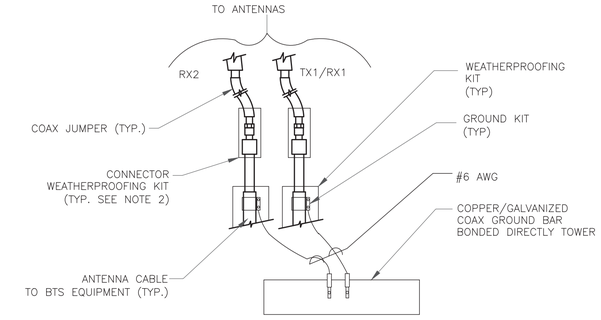
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

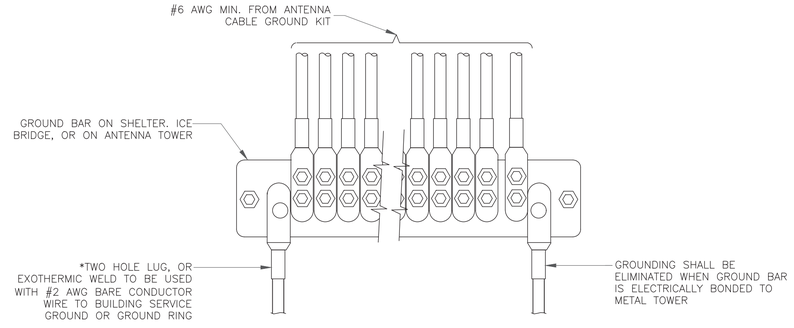
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



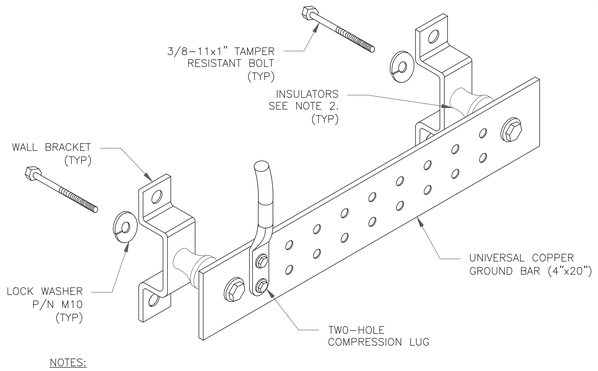
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



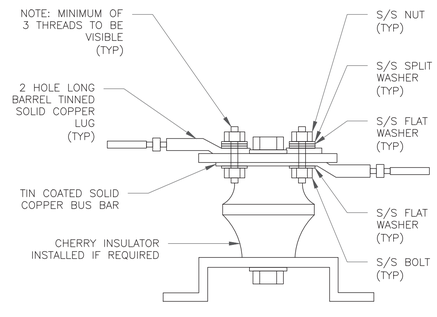
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



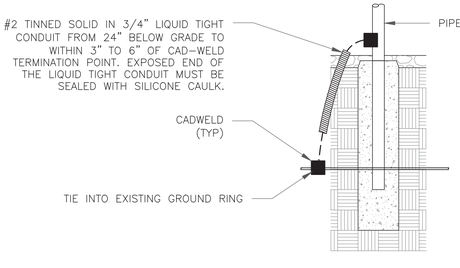
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
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SHEET NUMBER: G-2
REVISION: 0

127643.009.01_(FJE.GRANDBY 402000.dwg - Sheet:G-2 - User: jrichardson - Nov 10, 2021 - 9:17am

Exhibit D

Structural Analysis Report

Date: **October 11, 2021**

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	469130
	Site Name:	East Granby 3 CT
Crown Castle Designation:	**BU Number:**	876399
	Site Name:	(F) E. Granby 4Q2000 / Galasso
	JDE Job Number:	689162
	Work Order Number:	2028625
	Order Number:	589573 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	127643.008.01
Site Data:	**60 South Main St., East Granby, Hartford County, CT** **Latitude *41° 56' 29.59"*, Longitude *-72° 44' 19.248"*** **98 Foot - Monopole**	

B+T Group is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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

LC7: Proposed Equipment Configuration **Sufficient Capacity - 98.0%**

This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Massood Sattari, EIT

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564; Expires: 02/10/2022

Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 98 ft Monopole designed by Engineered Endeavors, Inc.
The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	115 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
67.0	67.0	6	Commscope	SBNHH-1D65B	13	1-5/8
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Telecom	MT6407-77A		
		3	Samsung Telecom	RF4439D-25A		
		3	Samsung Telecom	RF4440D-13A		
		1	--	Platform Mount [LP 303-1_KCKR]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
96.0	98.0	3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz	3 1	1-1/4 7/8
		6	Alcatel Lucent	RRH2X50-800		
		3	Commscope	NNVV-65B-R4		
		3	Nokia	FZHN		
		3	RFS Celwave	APXVTM14-ALU-I20		
	96.0	1	--	Miscellaneous [NA 510-1]		
		1	--	Platform Mount [LP 714-1]		
89.0	90.0	3	Ericsson	RADIO 4449 B12/B71	1 11	1-3/8 7/8
		3	RFS Celwave	APXV18-209014-C		
		3	RFS Celwave	APXVAARR24_43-U-NA20		
		3	RFS Celwave	ATMPP1412D-1CWA		
	89.0	1	--	Miscellaneous [NA 510-1]		
		1	--	Platform Mount [LP 305-1]		
77.0	77.0	1	Andrew	SBNH-1D6565C	12 4 2	7/8 3/4 3/8
		3	CCI Antennas	TPA-65R-LCUUUU-H8		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Kaelus	DBC0061F1V51-2		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	Powerwave Tech	7770.00		
		2	Powerwave Tech	P65-17-XLH-RR		
		3	Powerwave Tech	TT19-08BP111-001		
		2	Raycap	DC6-48-60-18-8F		
		1	--	Platform Mount [LP 303-1_KCKR-HR-1]		
52.0	54.0	1	Lucent	KS24019-L112A	1	7/8
	52.0	1	--	Side Arm Mount [SO 701-1]		
48.0	48.0	3	Fujitsu	TA08025-B604	1	1-3/8
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	--	Commscope MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawings	1613691	CCI Sites
Tower Modification Drawing	2529017	CCI Sites
Post Modification Inspection	2682749	CCI Sites
Tower Modification Drawing	3713021	CCI Sites
Post Modification Inspection	3713020	CCI Sites
Tower Modification Drawing	5803194	CCI Sites
Post Modification Inspection	6139057	CCI Sites
Tower Modification Drawing	8420875	CCI Sites
Post Modification Inspection	9024342	CCI Sites
Foundation Drawings	2066334	CCI Sites
Geotech Report	1531971	CCI Sites
Antenna Configuration	Date: 09/30/2021	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

1) The tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. B+T Group should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	98 - 93	Pole	TP13.078x12x0.188	1	-3.397	471.228	12.2	Pass
L2	93 - 88	Pole	TP14.156x13.078x0.188	2	-6.116	510.643	26.5	Pass
L3	88 - 85.21	Pole	TP15.28x14.156x0.188	3	-6.255	532.661	35.2	Pass
L4	85.21 - 80.21	Pole	TP15.445x14.384x0.25	4	-6.653	740.636	38.0	Pass
L5	80.21 - 75.21	Pole	TP16.507x15.445x0.25	5	-10.262	792.382	48.3	Pass
L6	75.21 - 70.21	Pole	TP17.569x16.507x0.25	6	-10.739	844.128	59.0	Pass
L7	70.21 - 65.21	Pole	TP18.63x17.569x0.25	7	-14.510	895.874	69.3	Pass
L8	65.21 - 60.21	Pole	TP19.692x18.63x0.25	8	-15.156	947.619	79.5	Pass
L9	60.21 - 59.17	Pole	TP19.912x19.692x0.25	9	-15.293	958.351	81.3	Pass
L10	59.17 - 58.9	Pole + Reinf.	TP19.97x19.912x0.513	10	-15.358	1944.117	73.2	Pass
L11	58.9 - 58.75	Pole + Reinf.	TP20.001x19.97x0.513	11	-15.385	1947.298	73.5	Pass
L12	58.75 - 54	Pole + Reinf.	TP21.01x20.001x0.5	12	-16.185	1999.347	82.1	Pass
L13	54 - 53.75	Pole + Reinf.	TP21.063x21.01x0.513	13	-16.246	2053.380	73.7	Pass
L14	53.75 - 52.91	Pole + Reinf.	TP21.241x21.063x0.5	14	-16.407	2021.901	74.9	Pass
L15	52.91 - 52.66	Pole + Reinf.	TP21.294x21.241x0.675	15	-16.468	2713.525	72.3	Pass
L16	52.66 - 52.17	Pole + Reinf.	TP21.399x21.294x0.675	16	-16.571	2727.217	73.1	Pass
L17	52.17 - 51.92	Pole + Reinf.	TP21.452x21.399x0.525	17	-16.703	2141.958	78.2	Pass
L18	51.92 - 48.7	Pole + Reinf.	TP22.86x21.452x0.513	18	-17.347	2160.438	82.9	Pass
L19	48.7 - 44.29	Pole + Reinf.	TP22.575x21.634x0.563	19	-21.890	2413.981	81.4	Pass
L20	44.29 - 39.29	Pole + Reinf.	TP23.639x22.575x0.55	20	-23.055	2475.784	87.8	Pass
L21	39.29 - 34.29	Pole + Reinf.	TP24.703x23.639x0.538	21	-24.253	2532.348	93.5	Pass
L22	34.29 - 33.5	Pole + Reinf.	TP24.87x24.703x0.525	22	-24.449	2491.881	94.3	Pass
L23	33.5 - 33.25	Pole + Reinf.	TP24.923x24.87x0.838	23	-24.537	3932.796	63.9	Pass
L24	33.25 - 33	Pole + Reinf.	TP24.977x24.923x0.838	24	-24.614	3941.490	64.1	Pass
L25	33 - 32.75	Pole + Reinf.	TP25.03x24.977x0.813	25	-24.684	3836.217	69.5	Pass
L26	32.75 - 32	Pole + Reinf.	TP25.19x25.03x0.8	26	-24.892	3804.045	70.1	Pass
L27	32 - 31.75	Pole + Reinf.	TP25.243x25.19x0.588	27	-24.956	2824.027	84.8	Pass
L28	31.75 - 28.5	Pole + Reinf.	TP25.934x25.243x0.575	28	-25.720	2842.885	87.6	Pass
L29	28.5 - 28.25	Pole + Reinf.	TP25.988x25.934x0.863	29	-25.810	4224.927	61.0	Pass
L30	28.25 - 27.5	Pole + Reinf.	TP26.147x25.988x0.85	30	-26.035	4192.219	61.5	Pass
L31	27.5 - 27.25	Pole + Reinf.	TP26.2x26.147x0.575	31	-26.100	2872.705	88.6	Pass
L32	27.25 - 22.25	Pole + Reinf.	TP27.265x26.2x0.563	32	-27.312	2928.334	92.4	Pass
L33	22.25 - 18	Pole + Reinf.	TP28.169x27.265x0.55	33	-28.375	2961.588	95.2	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L34	18 - 17.75	Pole + Reinf.	TP28.222x28.169x0.563	34	-28.458	3033.355	87.4	Pass
L35	17.75 - 15.45	Pole + Reinf.	TP28.712x28.222x0.425	35	-29.046	2343.820	88.4	Pass
L36	15.45 - 15.2	Pole + Reinf.	TP28.765x28.712x0.688	36	-29.141	3763.431	86.9	Pass
L37	15.2 - 13.41	Pole + Reinf.	TP29.146x28.765x0.675	37	-29.660	3746.778	87.9	Pass
L38	13.41 - 13.16	Pole + Reinf.	TP29.199x29.146x0.563	38	-29.749	3140.487	91.7	Pass
L39	13.16 - 8.16	Pole + Reinf.	TP30.263x29.199x0.55	39	-31.160	3186.151	94.3	Pass
L40	8.16 - 6.5	Pole + Reinf.	TP30.617x30.263x0.55	40	-31.630	3224.035	95.1	Pass
L41	6.5 - 6.25	Pole + Reinf.	TP30.67x30.617x0.663	41	-31.729	3875.833	91.5	Pass
L42	6.25 - 4.45	Pole + Reinf.	TP31.053x30.67x0.65	42	-32.267	3852.838	92.4	Pass
L43	4.45 - 4.2	Pole + Reinf.	TP31.106x31.053x0.513	43	-32.354	3056.865	93.7	Pass
L44	4.2 - 0	Pole + Reinf.	TP32x31.106x0.5	44	-33.481	3070.662	95.5	Pass
							Summary	
						Pole (L9)	88.4	Pass
						Reinforcement	95.5	Pass
						Rating =	95.5	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rod Brackets	Base	60.6	Pass
1,2	Anchor Rods	Base	60.3	Pass
1,2	Base Plate	Base	98.0	Pass
1,2	Base Foundation (Structure)	Base	60.1	Pass
1,2	Base Foundation (Soil Interaction)	Base	79.6	Pass

Structure Rating (max from all components) =	**98.0%**

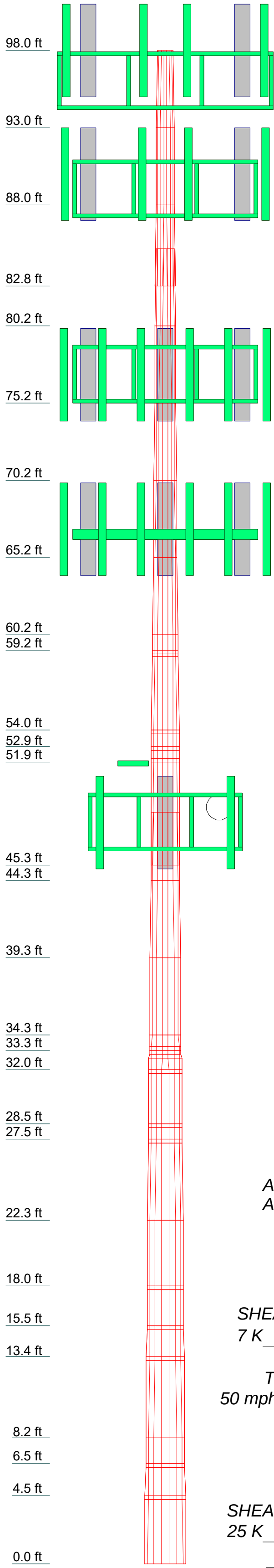
Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) Rating per TIA-222-H Section 15.5.

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT



Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.000	18	0.188		12.000	13.078		0.1
2	5.000	18	0.188		13.078	14.156		0.1
3	5.210	18	0.188	2.417	14.156	15.280		0.2
4	5.000	18	0.250		14.384	15.445		0.2
5	5.000	18	0.250		15.445	16.507		0.2
6	5.000	18	0.250		16.507	17.569		0.2
7	5.000	18	0.250		17.569	18.630		0.2
8	5.000	18	0.250		18.630	19.692		0.3
9–11	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
12	4.750	18	0.500		20.001	21.010		0.5
13–17	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
18	6.633	18	0.512	3.417	21.452	22.860	A572-65	0.8
19	4.417	18	0.563		21.634	22.575		0.6
20	5.000	18	0.550		22.575	23.639		0.7
21	5.000	18	0.537		23.639	24.703		0.7
22–27	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
28	3.250	18	[illegible]		[illegible]	[illegible]		0.5
29–31	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
32	5.000	18	0.563		26.200	27.265		0.7
33	4.250	18	0.550		27.265	28.169		0.6
34–38	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
39	5.000	18	0.550		29.199	30.263		0.9
40–43	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
44	4.200	18	0.500		31.106	32.000		0.7
								11.1

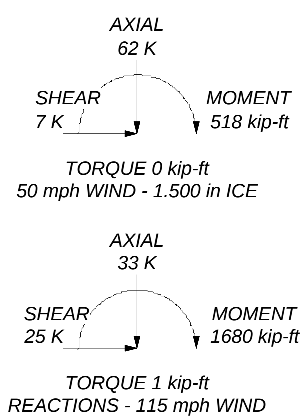
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 95.5%

ALL REACTIONS ARE FACTORED



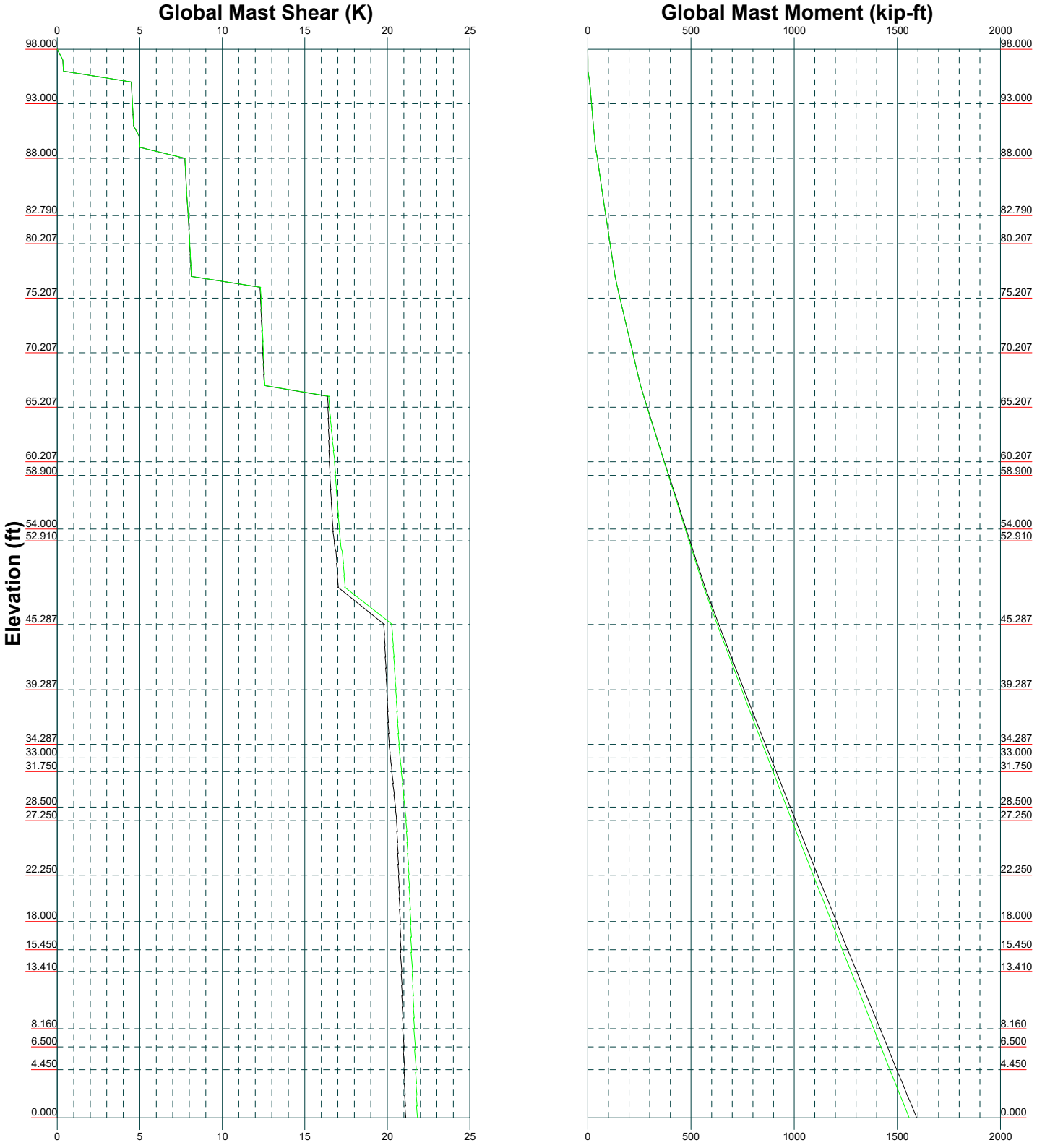
B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 127643.008.01 - (F) E. GRANBY 4Q2000 / GALASSO, CT (BU# 87639		
Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 10/06/21	Scale: NTS
Path:		Dwg No. E-1

TIA-222-H - 115 mph/50 mph 1.500 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



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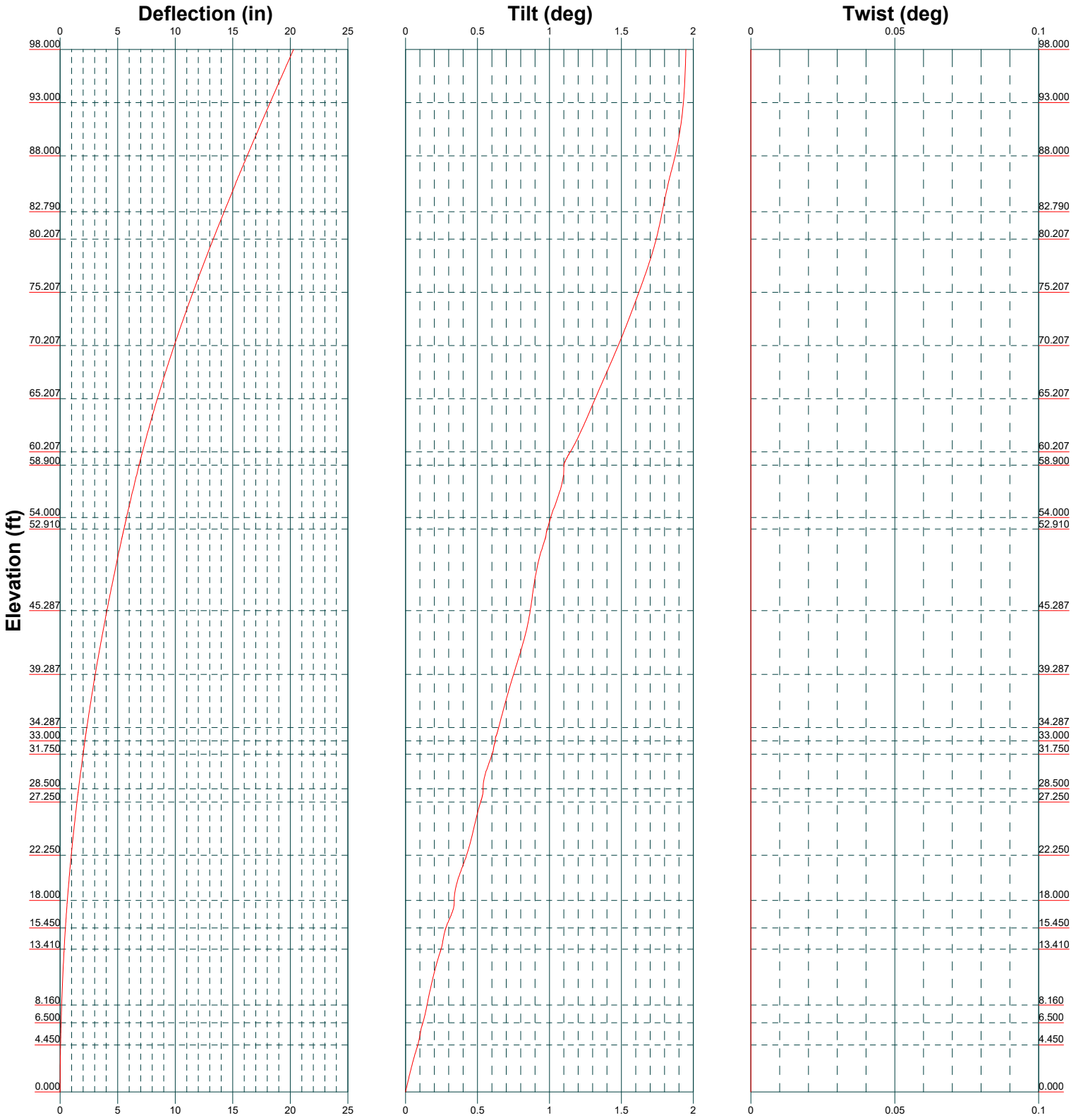
Job: 127643.008.01 - (F) E. GRANBY 4Q2000 / GALASSO, CT (BU# 87639			
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 10/06/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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Phone: (918) 587-4630
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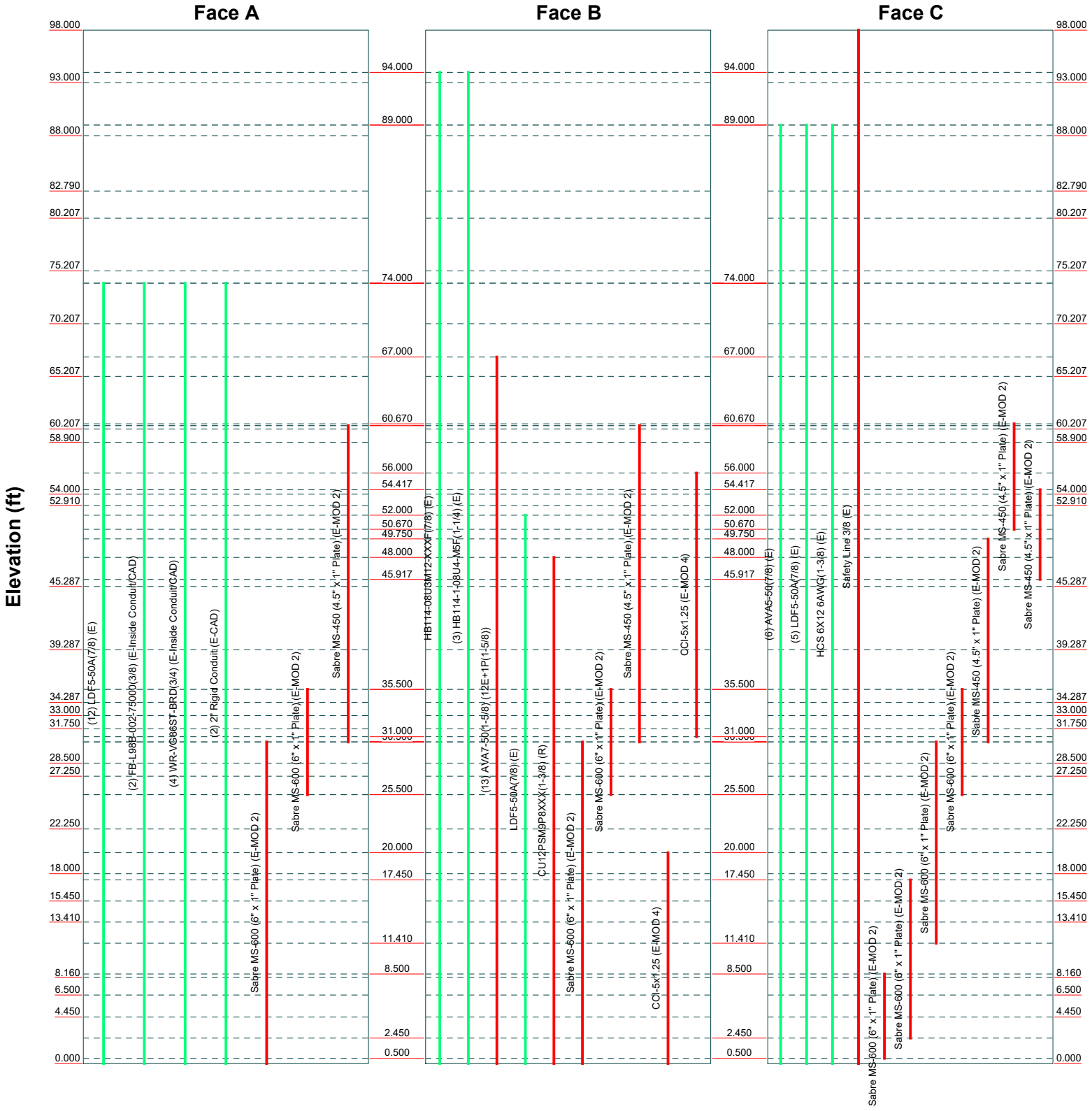
Job: ***127643.008.01 - (F) E. GRANBY 4Q2000 / GALASSO, CT (BU# 87639***			
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 10/06/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 98'

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



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1717 S. Boulder, Suite 300
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Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 127643.008.01 - (F) E. GRANBY 4Q2000 / GALASSO, CT (BU# 87639			
Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 10/06/21	Scale: NTS	
Path:		Dwg No. E-7	

Tower Input Data

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

Tower is located in Hartford County, Connecticut.
Tower base elevation above sea level: 256.000 ft.
Basic wind speed of 115 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
TOWER RATING: 95.5%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

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	98.000-93.000	5.000	0.000	18	12.000	13.078	0.188	0.750	A572-65 (65 ksi)
L2	93.000-88.000	5.000	0.000	18	13.078	14.156	0.188	0.750	A572-65 (65 ksi)
L3	88.000-82.790	5.210	2.417	18	14.156	15.280	0.188	0.750	A572-65 (65 ksi)
L4	82.790-80.207	5.000	0.000	18	14.384	15.445	0.250	1.000	A572-65 (65 ksi)
L5	80.207-75.207	5.000	0.000	18	15.445	16.507	0.250	1.000	A572-65 (65 ksi)
L6	75.207-70.207	5.000	0.000	18	16.507	17.569	0.250	1.000	A572-65 (65 ksi)
L7	70.207-65.207	5.000	0.000	18	17.569	18.630	0.250	1.000	A572-65 (65 ksi)
L8	65.207-60.207	5.000	0.000	18	18.630	19.692	0.250	1.000	A572-65 (65 ksi)
L9	60.207-59.170	1.037	0.000	18	19.692	19.912	0.250	1.000	A572-65 (65 ksi)
L10	59.170-58.900	0.270	0.000	18	19.912	19.970	0.512	2.050	A572-65 (65 ksi)
L11	58.900-58.750	0.150	0.000	18	19.970	20.001	0.512	2.050	A572-65 (65 ksi)
L12	58.750-54.000	4.750	0.000	18	20.001	21.010	0.500	2.000	A572-65 (65 ksi)
L13	54.000-53.750	0.250	0.000	18	21.010	21.063	0.512	2.050	A572-65 (65 ksi)
L14	53.750-52.910	0.840	0.000	18	21.063	21.241	0.500	2.000	A572-65 (65 ksi)
L15	52.910-52.660	0.250	0.000	18	21.241	21.294	0.675	2.700	A572-65 (65 ksi)
L16	52.660-52.170	0.490	0.000	18	21.294	21.399	0.675	2.700	A572-65 (65 ksi)
L17	52.170-51.920	0.250	0.000	18	21.399	21.452	0.525	2.100	A572-65 (65 ksi)
L18	51.920-45.287	6.633	3.417	18	21.452	22.860	0.512	2.050	A572-65 (65 ksi)
L19	45.287-44.287	4.417	0.000	18	21.634	22.575	0.563	2.250	A572-65 (65 ksi)
L20	44.287-39.287	5.000	0.000	18	22.575	23.639	0.550	2.200	A572-65 (65 ksi)
L21	39.287-34.287	5.000	0.000	18	23.639	24.703	0.537	2.150	A572-65 (65 ksi)
L22	34.287-33.500	0.787	0.000	18	24.703	24.870	0.525	2.100	A572-65 (65 ksi)
L23	33.500-33.250	0.250	0.000	18	24.870	24.923	0.838	3.350	A572-65 (65 ksi)
L24	33.250-33.000	0.250	0.000	18	24.923	24.977	0.838	3.350	A572-65 (65 ksi)
L25	33.000-32.750	0.250	0.000	18	24.977	25.030	0.813	3.250	A572-65 (65 ksi)
L26	32.750-32.000	0.750	0.000	18	25.030	25.190	0.800	3.200	A572-65 (65 ksi)
L27	32.000-31.750	0.250	0.000	18	25.190	25.243	0.588	2.350	A572-65 (65 ksi)
L28	31.750-28.500	3.250	0.000	18	25.243	25.934	0.575	2.300	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	28.500-28.250	0.250	0.000	18	25.934	25.988	0.863	3.450	A572-65 (65 ksi)
L30	28.250-27.500	0.750	0.000	18	25.988	26.147	0.850	3.400	A572-65 (65 ksi)
L31	27.500-27.250	0.250	0.000	18	26.147	26.200	0.575	2.300	A572-65 (65 ksi)
L32	27.250-22.250	5.000	0.000	18	26.200	27.265	0.563	2.250	A572-65 (65 ksi)
L33	22.250-18.000	4.250	0.000	18	27.265	28.169	0.550	2.200	A572-65 (65 ksi)
L34	18.000-17.750	0.250	0.000	18	28.169	28.222	0.563	2.250	A572-65 (65 ksi)
L35	17.750-15.450	2.300	0.000	18	28.222	28.712	0.425	1.700	A572-65 (65 ksi)
L36	15.450-15.200	0.250	0.000	18	28.712	28.765	0.688	2.750	A572-65 (65 ksi)
L37	15.200-13.410	1.790	0.000	18	28.765	29.146	0.675	2.700	A572-65 (65 ksi)
L38	13.410-13.160	0.250	0.000	18	29.146	29.199	0.563	2.250	A572-65 (65 ksi)
L39	13.160-8.160	5.000	0.000	18	29.199	30.263	0.550	2.200	A572-65 (65 ksi)
L40	8.160-6.500	1.660	0.000	18	30.263	30.617	0.550	2.200	A572-65 (65 ksi)
L41	6.500-6.250	0.250	0.000	18	30.617	30.670	0.662	2.650	A572-65 (65 ksi)
L42	6.250-4.450	1.800	0.000	18	30.670	31.053	0.650	2.600	A572-65 (65 ksi)
L43	4.450-4.200	0.250	0.000	18	31.053	31.106	0.512	2.050	A572-65 (65 ksi)
L44	4.200-0.000	4.200		18	31.106	32.000	0.500	2.000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	12.156	7.030	123.928	4.193	6.096	20.329	248.020	3.516	1.782	9.504
	13.251	7.672	161.057	4.576	6.644	24.242	322.325	3.837	1.972	10.516
L2	13.251	7.672	161.057	4.576	6.644	24.242	322.325	3.837	1.972	10.516
	14.346	8.313	204.946	4.959	7.191	28.498	410.162	4.157	2.162	11.528
L3	14.346	8.313	204.946	4.959	7.191	28.498	410.162	4.157	2.162	11.528
	15.487	8.982	258.481	5.358	7.762	33.300	517.303	4.492	2.359	12.583
L4	15.088	11.215	283.048	5.017	7.307	38.737	566.467	5.609	2.092	8.366
	15.645	12.058	351.741	5.394	7.846	44.829	703.946	6.030	2.278	9.114
L5	15.645	12.058	351.741	5.394	7.846	44.829	703.946	6.030	2.278	9.114
	16.723	12.900	430.737	5.771	8.386	51.366	862.041	6.451	2.465	9.861
L6	16.723	12.900	430.737	5.771	8.386	51.366	862.041	6.451	2.465	9.861
	17.801	13.742	520.754	6.148	8.925	58.348	1042.193	6.873	2.652	10.608
L7	17.801	13.742	520.754	6.148	8.925	58.348	1042.193	6.873	2.652	10.608
	18.879	14.585	622.512	6.525	9.464	65.775	1245.844	7.294	2.839	11.356
L8	18.879	14.585	622.512	6.525	9.464	65.775	1245.844	7.294	2.839	11.356
	19.957	15.427	736.732	6.902	10.004	73.647	1474.433	7.715	3.026	12.103
L9	19.957	15.427	736.732	6.902	10.004	73.647	1474.433	7.715	3.026	12.103
	20.181	15.602	762.048	6.980	10.115	75.335	1525.098	7.802	3.065	12.258
L10	20.140	31.557	1500.461	6.887	10.115	148.334	3002.896	15.782	2.603	5.078

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	20.199	31.650	1513.802	6.907	10.145	149.223	3029.597	15.828	2.613	5.098
L11	20.199	31.650	1513.802	6.907	10.145	149.223	3029.597	15.828	2.613	5.098
	20.231	31.702	1521.248	6.919	10.161	149.719	3044.499	15.854	2.618	5.109
L12	20.233	30.949	1487.002	6.923	10.161	146.348	2975.962	15.477	2.640	5.28
	21.257	32.549	1729.853	7.281	10.673	162.077	3461.983	16.278	2.818	5.636
L13	21.255	33.343	1769.860	7.277	10.673	165.825	3542.048	16.675	2.796	5.455
	21.309	33.429	1783.646	7.295	10.700	166.695	3569.638	16.718	2.805	5.473
L14	21.311	32.634	1743.319	7.300	10.700	162.927	3488.933	16.320	2.827	5.654
	21.492	32.917	1789.077	7.363	10.791	165.799	3580.508	16.461	2.858	5.717
L15	21.465	44.062	2354.634	7.301	10.791	218.211	4712.367	22.035	2.550	3.779
	21.519	44.176	2372.913	7.320	10.818	219.357	4748.949	22.092	2.560	3.792
L16	21.519	44.176	2372.913	7.320	10.818	219.357	4748.949	22.092	2.560	3.792
	21.625	44.399	2409.015	7.357	10.870	221.611	4821.199	22.204	2.578	3.819
L17	21.648	34.783	1914.659	7.410	10.870	176.134	3831.838	17.395	2.842	5.414
	21.702	34.871	1929.304	7.429	10.897	177.042	3861.146	17.439	2.851	5.431
L18	21.703	34.061	1886.745	7.433	10.897	173.137	3775.972	17.034	2.873	5.607
	23.134	36.352	2293.639	7.933	11.613	197.508	4590.296	18.180	3.121	6.09
L19	22.620	37.621	2110.485	7.481	10.990	192.031	4223.746	18.814	2.818	5.009
	22.836	39.300	2405.730	7.814	11.468	209.780	4814.626	19.654	2.983	5.303
L20	22.838	38.448	2356.279	7.819	11.468	205.468	4715.659	19.228	3.005	5.464
	23.918	40.306	2714.584	8.196	12.008	226.056	5432.740	20.157	3.192	5.804
L21	23.920	39.411	2657.200	8.201	12.008	221.278	5317.897	19.709	3.214	5.98
	25.001	41.227	3041.580	8.579	12.549	242.376	6087.162	20.617	3.402	6.329
L22	25.003	40.289	2975.458	8.583	12.549	237.107	5954.831	20.148	3.424	6.521
	25.173	40.568	3037.726	8.643	12.634	240.439	6079.449	20.288	3.453	6.577
L23	25.125	63.885	4661.673	8.532	12.634	368.975	9329.481	31.948	2.903	3.466
	25.179	64.026	4692.704	8.551	12.661	370.638	9391.582	32.019	2.913	3.478
L24	25.179	64.026	4692.704	8.551	12.661	370.638	9391.582	32.019	2.913	3.478
	25.233	64.167	4723.871	8.569	12.688	372.305	9453.959	32.090	2.922	3.489
L25	25.237	62.316	4597.114	8.578	12.688	362.315	9200.277	31.164	2.966	3.65
	25.291	62.454	4627.548	8.597	12.715	363.938	9261.185	31.233	2.975	3.662
L26	25.293	61.525	4563.414	8.602	12.715	358.895	9132.832	30.768	2.997	3.747
	25.455	61.930	4654.197	8.658	12.796	363.715	9314.518	30.971	3.025	3.782
L27	25.487	45.876	3508.045	8.734	12.796	274.146	7020.706	22.942	3.399	5.786
	25.542	45.975	3530.855	8.753	12.823	275.347	7066.356	22.992	3.409	5.802
L28	25.543	45.020	3460.989	8.757	12.823	269.898	6926.532	22.514	3.431	5.966
	26.246	46.282	3760.370	9.003	13.175	285.424	7525.687	23.146	3.552	6.178
L29	26.201	68.636	5450.880	8.901	13.175	413.739	10908.932	34.325	3.046	3.532
	26.255	68.782	5485.657	8.919	13.202	415.526	10978.532	34.398	3.056	3.543
L30	26.257	67.819	5414.227	8.924	13.202	410.115	10835.579	33.916	3.078	3.621
	26.419	68.249	5518.022	8.981	13.283	415.426	11043.305	34.131	3.106	3.654
L31	26.462	46.671	3855.842	9.078	13.283	290.288	7716.758	23.340	3.590	6.243
	26.516	46.768	3879.960	9.097	13.310	291.511	7765.026	23.388	3.599	6.26
L32	26.518	45.773	3801.170	9.101	13.310	285.591	7607.343	22.891	3.621	6.438
	27.598	47.673	4294.405	9.479	13.850	310.056	8594.460	23.841	3.809	6.771
L33	27.600	46.636	4204.873	9.484	13.850	303.592	8415.280	23.322	3.831	6.965
	28.519	48.215	4646.610	9.805	14.310	324.713	9299.333	24.112	3.990	7.254
L34	28.517	49.288	4745.765	9.800	14.310	331.642	9497.774	24.649	3.968	7.054
	28.571	49.383	4773.258	9.819	14.337	332.934	9552.796	24.696	3.977	7.07
L35	28.592	37.497	3660.514	9.868	14.337	255.320	7325.844	18.752	4.219	9.927
	29.089	38.158	3857.321	10.042	14.586	264.461	7719.717	19.082	4.305	10.13
L36	29.049	61.153	6067.676	9.949	14.586	416.004	12143.336	30.582	3.843	5.59
	29.103	61.269	6102.302	9.968	14.613	417.604	12212.633	30.640	3.853	5.604
L37	29.105	60.181	5999.356	9.972	14.613	410.560	12006.607	30.096	3.875	5.74
	29.491	60.998	6246.774	10.107	14.806	421.904	12501.767	30.505	3.942	5.84
L38	29.509	51.032	5267.598	10.147	14.806	355.771	10542.126	25.521	4.140	7.359
	29.563	51.127	5297.068	10.166	14.833	357.109	10601.107	25.568	4.149	7.376
L39	29.565	50.013	5186.141	10.170	14.833	349.631	10379.106	25.011	4.171	7.584
	30.645	51.871	5785.769	10.548	15.374	376.340	11579.151	25.940	4.358	7.924
L40	30.645	51.871	5785.769	10.548	15.374	376.340	11579.151	25.940	4.358	7.924
	31.004	52.487	5994.612	10.674	15.553	385.425	11997.111	26.249	4.421	8.037
L41	30.987	62.987	7140.031	10.634	15.553	459.070	14289.458	31.499	4.223	6.374

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	31.041	63.099	7178.147	10.653	15.580	460.720	14365.739	31.555	4.232	6.388
L42	31.043	61.934	7051.515	10.657	15.580	452.592	14112.309	30.973	4.254	6.544
	31.432	62.724	7324.932	10.793	15.775	464.341	14659.502	31.368	4.321	6.648
L43	31.453	49.679	5854.142	10.842	15.775	371.105	11715.986	24.844	4.563	8.904
	31.507	49.766	5884.792	10.861	15.802	372.410	11777.327	24.888	4.573	8.922
L44	31.509	48.572	5748.301	10.865	15.802	363.772	11504.165	24.291	4.595	9.189
	32.417	49.990	6266.803	11.182	16.256	385.507	12541.852	25.000	4.752	9.504

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 98.000-93.000				1	1	1			
L2 93.000-88.000				1	1	1			
L3 88.000-82.790				1	1	1			
L4 82.790-80.207				1	1	1			
L5 80.207-75.207				1	1	1			
L6 75.207-70.207				1	1	1			
L7 70.207-65.207				1	1	1			
L8 65.207-60.207				1	1	1			
L9 60.207-59.170				1	1	1			
L10 59.170-58.900				1	1	0.920938			
L11 58.900-58.750				1	1	0.92023			
L12 58.750-54.000				1	1	0.920865			
L13 54.000-53.750				1	1	1.08486			
L14 53.750-52.910				1	1	1.10605			
L15 52.910-52.660				1	1	0.926962			
L16 52.660-52.170				1	1	0.924168			
L17 52.170-51.920				1	1	1.04884			
L18 51.920-45.287				1	1	1.05527			
L19 45.287-44.287				1	1	1.06443			
L20 44.287-39.287				1	1	1.06405			
L21 39.287-34.287				1	1	1.06589			
L22 34.287-33.500				1	1	1.08729			
L23 33.500-33.250				1	1	0.970893			
L24 33.250-33.000				1	1	0.969575			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L25 33.000-32.750				1	1	0.896948			
L26 32.750-32.000				1	1	0.907091			
L27 32.000-31.750				1	1	0.929377			
L28 31.750-28.500				1	1	0.938036			
L29 28.500-28.250				1	1	0.893662			
L30 28.250-27.500				1	1	0.902954			
L31 27.500-27.250				1	1	0.93394			
L32 27.250-22.250				1	1	0.938341			
L33 22.250-18.000				1	1	0.946411			
L34 18.000-17.750				1	1	1.05165			
L35 17.750-15.450				1	1	1.21652			
L36 15.450-15.200				1	1	0.954361			
L37 15.200-13.410				1	1	0.964796			
L38 13.410-13.160				1	1	1.03473			
L39 13.160-8.160				1	1	1.04025			
L40 8.160-6.500				1	1	1.0347			
L41 6.500-6.250				1	1	0.956625			
L42 6.250-4.450				1	1	0.968393			
L43 4.450-4.200				1	1	0.980473			
L44 4.200-0.000				1	1	0.993803			

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
* AVA7-50(1-5/8) (12E+1P(1-5/8)) *	B	No	Surface Ar (CaAa)	67.000 - 0.000	13	7	-0.100 0.200	2.010		0.001
CU12PSM9P8XXX(1-3/8) (R) *	B	No	Surface Ar (CaAa)	48.000 - 0.000	1	1	-0.100 -0.050	1.411		0.002

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
Safety Line 3/8 (E) *	C	No	Surface Ar (CaAa)	98.000 - 0.000	1	1	0.100 0.100	0.375		0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	A	No	Surface Af (CaAa)	30.500 - 0.000	1	1	-0.500 -0.500	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	B	No	Surface Af (CaAa)	30.500 - 0.000	1	1	-0.500 -0.500	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	C	No	Surface Af (CaAa)	8.500 - 0.500	1	1	-0.500 -0.500	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	C	No	Surface Af (CaAa)	17.450 - 2.450	1	1	-0.300 -0.300	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2) *	C	No	Surface Af (CaAa)	30.500 - 11.410	1	1	-0.500 -0.500	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	A	No	Surface Af (CaAa)	35.500 - 25.500	1	1	-0.300 -0.300	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2)	B	No	Surface Af (CaAa)	35.500 - 25.500	1	1	-0.300 -0.300	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate) (E-MOD 2) *	C	No	Surface Af (CaAa)	35.500 - 25.500	1	1	-0.300 -0.300	6.000	14.000	0.000
Sabre MS-450 (4.5" x 1" Plate) (E-MOD 2)	C	No	Surface Af (CaAa)	49.750 - 30.500	1	1	-0.500 -0.500	4.500	11.000	0.000
Sabre MS-450 (4.5" x 1" Plate) (E-MOD 2)	A	No	Surface Af (CaAa)	60.500 - 30.500	1	1	-0.500 -0.500	4.500	11.000	0.000
Sabre MS-450 (4.5" x 1" Plate) (E-MOD 2)	B	No	Surface Af (CaAa)	60.500 - 30.500	1	1	-0.500 -0.500	4.500	11.000	0.000
Sabre MS-450 (4.5" x 1" Plate) (E-MOD 2)	C	No	Surface Af (CaAa)	60.670 - 50.670	1	1	-0.500 -0.500	4.500	11.000	0.000
Sabre MS-450 (4.5" x 1" Plate) (E-MOD 2) *	C	No	Surface Af (CaAa)	54.417 - 45.917	1	1	-0.300 -0.300	4.500	11.000	0.000
CCI-5x1.25 (E-MOD 4) *	B	No	Surface Af (CaAa)	20.000 - 0.000	1	1	0.000 0.000	5.000	12.500	0.000
CCI-5x1.25 (E-MOD 4) *	B	No	Surface Af (CaAa)	56.000 - 31.000	1	1	0.000 0.000	5.000	12.500	0.000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
HB114-08U3M12-XXXF(7/8) (E)	B	No	No	Inside Pole	94.000 - 0.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB114-1-08U4-M5F(1-1/4) (E) *	B	No	No	Inside Pole	94.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
AVA5-50(7/8) (E)	C	No	No	Inside Pole	89.000 - 0.000	6	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF5-50A(7/8) (E)	C	No	No	Inside Pole	89.000 - 0.000	5	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
HCS 6X12 6AWG(1-3/8) (E) *	C	No	No	Inside Pole	89.000 - 0.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
LDF5-50A(7/8) (E)	A	No	No	Inside Pole	74.000 - 0.000	12	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
FB-L98B-002-75000 (3/8) (E-Inside Conduit/CAD)	A	No	No	Inside Pole	74.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-VG86ST-BRD(3/4) (E-Inside Conduit/CAD)	A	No	No	Inside Pole	74.000 - 0.000	4	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
2" Rigid Conduit (E-CAD) *	A	No	No	Inside Pole	74.000 - 0.000	2	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
LDF5-50A(7/8) (E) *	B	No	No	Inside Pole	52.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	98.000-93.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.004
		C	0.000	0.000	0.188	0.000	0.001
L2	93.000-88.000	A	0.000	0.000	0.000	0.000	0.000

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.000	0.000	0.020
		C	0.000	0.000	0.188	0.000	0.006
L3	88.000-82.790	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.020
		C	0.000	0.000	0.195	0.000	0.028
L4	82.790-80.207	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.010
		C	0.000	0.000	0.097	0.000	0.014
L5	80.207-75.207	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.020
		C	0.000	0.000	0.188	0.000	0.027
L6	75.207-70.207	A	0.000	0.000	0.000	0.000	0.046
		B	0.000	0.000	0.000	0.000	0.020
		C	0.000	0.000	0.188	0.000	0.027
L7	70.207-65.207	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	2.523	0.000	0.036
		C	0.000	0.000	0.188	0.000	0.027
L8	65.207-60.207	A	0.000	0.000	0.220	0.000	0.060
		B	0.000	0.000	7.255	0.000	0.065
		C	0.000	0.000	0.535	0.000	0.027
L9	60.207-59.170	A	0.000	0.000	0.778	0.000	0.012
		B	0.000	0.000	2.237	0.000	0.014
		C	0.000	0.000	0.817	0.000	0.006
L10	59.170-58.900	A	0.000	0.000	0.203	0.000	0.003
		B	0.000	0.000	0.582	0.000	0.004
		C	0.000	0.000	0.213	0.000	0.001
L11	58.900-58.750	A	0.000	0.000	0.113	0.000	0.002
		B	0.000	0.000	0.324	0.000	0.002
		C	0.000	0.000	0.118	0.000	0.001
L12	58.750-54.000	A	0.000	0.000	3.563	0.000	0.057
		B	0.000	0.000	11.912	0.000	0.062
		C	0.000	0.000	4.038	0.000	0.026
L13	54.000-53.750	A	0.000	0.000	0.188	0.000	0.003
		B	0.000	0.000	0.748	0.000	0.003
		C	0.000	0.000	0.375	0.000	0.001
L14	53.750-52.910	A	0.000	0.000	0.630	0.000	0.010
		B	0.000	0.000	2.512	0.000	0.011
		C	0.000	0.000	1.261	0.000	0.005
L15	52.910-52.660	A	0.000	0.000	0.188	0.000	0.003
		B	0.000	0.000	0.748	0.000	0.003
		C	0.000	0.000	0.375	0.000	0.001
L16	52.660-52.170	A	0.000	0.000	0.367	0.000	0.006
		B	0.000	0.000	1.465	0.000	0.006
		C	0.000	0.000	0.736	0.000	0.003
L17	52.170-51.920	A	0.000	0.000	0.188	0.000	0.003
		B	0.000	0.000	0.748	0.000	0.003
		C	0.000	0.000	0.375	0.000	0.001
L18	51.920-45.287	A	0.000	0.000	4.975	0.000	0.080
		B	0.000	0.000	20.218	0.000	0.093
		C	0.000	0.000	8.820	0.000	0.036
L19	45.287-44.287	A	0.000	0.000	0.750	0.000	0.012
		B	0.000	0.000	3.131	0.000	0.015
		C	0.000	0.000	0.787	0.000	0.005
L20	44.287-39.287	A	0.000	0.000	3.750	0.000	0.060
		B	0.000	0.000	15.657	0.000	0.075
		C	0.000	0.000	3.938	0.000	0.027
L21	39.287-34.287	A	0.000	0.000	4.856	0.000	0.060
		B	0.000	0.000	16.764	0.000	0.075
		C	0.000	0.000	5.044	0.000	0.027
L22	34.287-33.500	A	0.000	0.000	1.308	0.000	0.009
		B	0.000	0.000	3.182	0.000	0.012

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	1.338	0.000	0.004
L23	33.500-33.250	A	0.000	0.000	0.416	0.000	0.003
		B	0.000	0.000	1.011	0.000	0.004
		C	0.000	0.000	0.425	0.000	0.001
L24	33.250-33.000	A	0.000	0.000	0.416	0.000	0.003
		B	0.000	0.000	1.011	0.000	0.004
		C	0.000	0.000	0.425	0.000	0.001
L25	33.000-32.750	A	0.000	0.000	0.416	0.000	0.003
		B	0.000	0.000	1.011	0.000	0.004
		C	0.000	0.000	0.425	0.000	0.001
L26	32.750-32.000	A	0.000	0.000	1.247	0.000	0.009
		B	0.000	0.000	3.033	0.000	0.011
		C	0.000	0.000	1.275	0.000	0.004
L27	32.000-31.750	A	0.000	0.000	0.416	0.000	0.003
		B	0.000	0.000	1.011	0.000	0.004
		C	0.000	0.000	0.425	0.000	0.001
L28	31.750-28.500	A	0.000	0.000	5.902	0.000	0.039
		B	0.000	0.000	11.558	0.000	0.049
		C	0.000	0.000	6.024	0.000	0.017
L29	28.500-28.250	A	0.000	0.000	0.478	0.000	0.003
		B	0.000	0.000	0.865	0.000	0.004
		C	0.000	0.000	0.487	0.000	0.001
L30	28.250-27.500	A	0.000	0.000	1.434	0.000	0.009
		B	0.000	0.000	2.595	0.000	0.011
		C	0.000	0.000	1.462	0.000	0.004
L31	27.500-27.250	A	0.000	0.000	0.478	0.000	0.003
		B	0.000	0.000	0.865	0.000	0.004
		C	0.000	0.000	0.487	0.000	0.001
L32	27.250-22.250	A	0.000	0.000	6.596	0.000	0.060
		B	0.000	0.000	14.337	0.000	0.075
		C	0.000	0.000	6.784	0.000	0.027
L33	22.250-18.000	A	0.000	0.000	4.250	0.000	0.051
		B	0.000	0.000	12.496	0.000	0.064
		C	0.000	0.000	4.409	0.000	0.023
L34	18.000-17.750	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.845	0.000	0.004
		C	0.000	0.000	0.259	0.000	0.001
L35	17.750-15.450	A	0.000	0.000	2.300	0.000	0.028
		B	0.000	0.000	7.777	0.000	0.035
		C	0.000	0.000	4.386	0.000	0.012
L36	15.450-15.200	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.845	0.000	0.004
		C	0.000	0.000	0.509	0.000	0.001
L37	15.200-13.410	A	0.000	0.000	1.790	0.000	0.022
		B	0.000	0.000	6.053	0.000	0.027
		C	0.000	0.000	3.647	0.000	0.010
L38	13.410-13.160	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.845	0.000	0.004
		C	0.000	0.000	0.509	0.000	0.001
L39	13.160-8.160	A	0.000	0.000	5.000	0.000	0.060
		B	0.000	0.000	16.907	0.000	0.075
		C	0.000	0.000	7.225	0.000	0.027
L40	8.160-6.500	A	0.000	0.000	1.660	0.000	0.020
		B	0.000	0.000	5.613	0.000	0.025
		C	0.000	0.000	3.127	0.000	0.009
L41	6.500-6.250	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.845	0.000	0.004
		C	0.000	0.000	0.471	0.000	0.001
L42	6.250-4.450	A	0.000	0.000	1.800	0.000	0.022
		B	0.000	0.000	6.087	0.000	0.027
		C	0.000	0.000	3.391	0.000	0.010

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L43	4.450-4.200	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.845	0.000	0.004
		C	0.000	0.000	0.471	0.000	0.001
L44	4.200-0.000	A	0.000	0.000	4.200	0.000	0.050
		B	0.000	0.000	14.202	0.000	0.063
		C	0.000	0.000	5.039	0.000	0.023

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	98.000-93.000	A	1.418	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.004
		C		0.000	0.000	1.605	0.000	0.017
L2	93.000-88.000	A	1.410	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.020
		C		0.000	0.000	1.598	0.000	0.022
L3	88.000-82.790	A	1.402	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.020
		C		0.000	0.000	1.656	0.000	0.044
L4	82.790-80.207	A	1.396	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.010
		C		0.000	0.000	0.821	0.000	0.022
L5	80.207-75.207	A	1.389	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.020
		C		0.000	0.000	1.576	0.000	0.042
L6	75.207-70.207	A	1.380	0.000	0.000	0.000	0.000	0.046
		B		0.000	0.000	0.000	0.000	0.020
		C		0.000	0.000	1.567	0.000	0.042
L7	70.207-65.207	A	1.370	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	3.768	0.000	0.079
		C		0.000	0.000	1.557	0.000	0.041
L8	65.207-60.207	A	1.359	0.000	0.000	0.299	0.000	0.063
		B		0.000	0.000	10.793	0.000	0.188
		C		0.000	0.000	1.966	0.000	0.045
L9	60.207-59.170	A	1.353	0.000	0.000	1.058	0.000	0.021
		B		0.000	0.000	3.233	0.000	0.047
		C		0.000	0.000	1.257	0.000	0.017
L10	59.170-58.900	A	1.351	0.000	0.000	0.275	0.000	0.006
		B		0.000	0.000	0.842	0.000	0.012
		C		0.000	0.000	0.327	0.000	0.005
L11	58.900-58.750	A	1.351	0.000	0.000	0.153	0.000	0.003
		B		0.000	0.000	0.467	0.000	0.007
		C		0.000	0.000	0.182	0.000	0.003
L12	58.750-54.000	A	1.345	0.000	0.000	4.840	0.000	0.097
		B		0.000	0.000	16.996	0.000	0.233
		C		0.000	0.000	6.104	0.000	0.082
L13	54.000-53.750	A	1.339	0.000	0.000	0.254	0.000	0.005
		B		0.000	0.000	1.053	0.000	0.014
		C		0.000	0.000	0.516	0.000	0.006
L14	53.750-52.910	A	1.338	0.000	0.000	0.855	0.000	0.017
		B		0.000	0.000	3.538	0.000	0.046
		C		0.000	0.000	1.733	0.000	0.021
L15	52.910-52.660	A	1.336	0.000	0.000	0.254	0.000	0.005
		B		0.000	0.000	1.053	0.000	0.014
		C		0.000	0.000	0.516	0.000	0.006
L16	52.660-52.170	A	1.335	0.000	0.000	0.498	0.000	0.010

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	2.063	0.000	0.027
		C		0.000	0.000	1.010	0.000	0.012
L17	52.170-51.920	A	1.334	0.000	0.000	0.254	0.000	0.005
		B		0.000	0.000	1.052	0.000	0.014
		C		0.000	0.000	0.515	0.000	0.006
L18	51.920-45.287	A	1.325	0.000	0.000	6.733	0.000	0.134
		B		0.000	0.000	28.984	0.000	0.376
		C		0.000	0.000	12.790	0.000	0.151
L19	45.287-44.287	A	1.315	0.000	0.000	1.015	0.000	0.020
		B		0.000	0.000	4.610	0.000	0.060
		C		0.000	0.000	1.318	0.000	0.016
L20	44.287-39.287	A	1.305	0.000	0.000	5.055	0.000	0.101
		B		0.000	0.000	22.964	0.000	0.297
		C		0.000	0.000	6.548	0.000	0.081
L21	39.287-34.287	A	1.289	0.000	0.000	6.312	0.000	0.111
		B		0.000	0.000	24.166	0.000	0.306
		C		0.000	0.000	7.788	0.000	0.091
L22	34.287-33.500	A	1.278	0.000	0.000	1.616	0.000	0.023
		B		0.000	0.000	4.421	0.000	0.053
		C		0.000	0.000	1.847	0.000	0.020
L23	33.500-33.250	A	1.276	0.000	0.000	0.513	0.000	0.007
		B		0.000	0.000	1.404	0.000	0.017
		C		0.000	0.000	0.587	0.000	0.006
L24	33.250-33.000	A	1.275	0.000	0.000	0.513	0.000	0.007
		B		0.000	0.000	1.404	0.000	0.017
		C		0.000	0.000	0.586	0.000	0.006
L25	33.000-32.750	A	1.275	0.000	0.000	0.513	0.000	0.007
		B		0.000	0.000	1.404	0.000	0.017
		C		0.000	0.000	0.586	0.000	0.006
L26	32.750-32.000	A	1.273	0.000	0.000	1.539	0.000	0.022
		B		0.000	0.000	4.209	0.000	0.051
		C		0.000	0.000	1.758	0.000	0.019
L27	32.000-31.750	A	1.271	0.000	0.000	0.513	0.000	0.007
		B		0.000	0.000	1.403	0.000	0.017
		C		0.000	0.000	0.586	0.000	0.006
L28	31.750-28.500	A	1.263	0.000	0.000	7.161	0.000	0.097
		B		0.000	0.000	15.997	0.000	0.200
		C		0.000	0.000	8.104	0.000	0.084
L29	28.500-28.250	A	1.256	0.000	0.000	0.574	0.000	0.008
		B		0.000	0.000	1.191	0.000	0.015
		C		0.000	0.000	0.646	0.000	0.007
L30	28.250-27.500	A	1.254	0.000	0.000	1.722	0.000	0.023
		B		0.000	0.000	3.570	0.000	0.045
		C		0.000	0.000	1.939	0.000	0.020
L31	27.500-27.250	A	1.251	0.000	0.000	0.574	0.000	0.008
		B		0.000	0.000	1.190	0.000	0.015
		C		0.000	0.000	0.646	0.000	0.007
L32	27.250-22.250	A	1.239	0.000	0.000	8.066	0.000	0.121
		B		0.000	0.000	20.353	0.000	0.266
		C		0.000	0.000	9.492	0.000	0.100
L33	22.250-18.000	A	1.213	0.000	0.000	5.281	0.000	0.088
		B		0.000	0.000	17.828	0.000	0.226
		C		0.000	0.000	6.472	0.000	0.070
L34	18.000-17.750	A	1.199	0.000	0.000	0.310	0.000	0.005
		B		0.000	0.000	1.188	0.000	0.014
		C		0.000	0.000	0.379	0.000	0.004
L35	17.750-15.450	A	1.190	0.000	0.000	2.848	0.000	0.047
		B		0.000	0.000	10.913	0.000	0.130
		C		0.000	0.000	5.883	0.000	0.054
L36	15.450-15.200	A	1.181	0.000	0.000	0.309	0.000	0.005
		B		0.000	0.000	1.184	0.000	0.014

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	0.677	0.000	0.006
L37	15.200-13.410	A	1.173	0.000	0.000	2.210	0.000	0.037
		B		0.000	0.000	8.467	0.000	0.100
		C		0.000	0.000	4.843	0.000	0.044
L38	13.410-13.160	A	1.164	0.000	0.000	0.308	0.000	0.005
		B		0.000	0.000	1.181	0.000	0.014
		C		0.000	0.000	0.675	0.000	0.006
L39	13.160-8.160	A	1.139	0.000	0.000	6.139	0.000	0.101
		B		0.000	0.000	23.505	0.000	0.273
		C		0.000	0.000	9.782	0.000	0.095
L40	8.160-6.500	A	1.097	0.000	0.000	2.024	0.000	0.033
		B		0.000	0.000	7.745	0.000	0.088
		C		0.000	0.000	4.005	0.000	0.038
L41	6.500-6.250	A	1.082	0.000	0.000	0.304	0.000	0.005
		B		0.000	0.000	1.163	0.000	0.013
		C		0.000	0.000	0.602	0.000	0.006
L42	6.250-4.450	A	1.063	0.000	0.000	2.183	0.000	0.035
		B		0.000	0.000	8.346	0.000	0.093
		C		0.000	0.000	4.318	0.000	0.040
L43	4.450-4.200	A	1.041	0.000	0.000	0.302	0.000	0.005
		B		0.000	0.000	1.154	0.000	0.013
		C		0.000	0.000	0.598	0.000	0.005
L44	4.200-0.000	A	0.968	0.000	0.000	5.013	0.000	0.078
		B		0.000	0.000	19.134	0.000	0.203
		C		0.000	0.000	6.551	0.000	0.065

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	98.000-93.000	-0.062	0.292	-0.230	1.082
L2	93.000-88.000	-0.062	0.293	-0.235	1.104
L3	88.000-82.790	-0.062	0.293	-0.239	1.123
L4	82.790-80.207	-0.062	0.293	-0.241	1.133
L5	80.207-75.207	-0.062	0.293	-0.242	1.140
L6	75.207-70.207	-0.062	0.294	-0.245	1.153
L7	70.207-65.207	3.079	-1.186	2.106	-0.185
L8	65.207-60.207	4.282	-1.795	4.048	-1.296
L9	60.207-59.170	2.892	-1.224	2.501	-0.819
L10	59.170-58.900	2.907	-1.230	2.512	-0.822
L11	58.900-58.750	2.911	-1.232	2.516	-0.823
L12	58.750-54.000	3.460	-1.444	2.999	-1.031
L13	54.000-53.750	4.709	-1.122	4.098	-0.851
L14	53.750-52.910	4.729	-1.127	4.114	-0.854
L15	52.910-52.660	4.414	-1.051	4.128	-0.856
L16	52.660-52.170	4.424	-1.053	4.139	-0.858
L17	52.170-51.920	4.776	-1.137	4.151	-0.861
L18	51.920-45.287	4.702	-1.247	4.217	-1.025
L19	45.287-44.287	4.218	-2.071	3.938	-1.734
L20	44.287-39.287	4.305	-2.115	4.012	-1.768
L21	39.287-34.287	4.009	-1.970	3.844	-1.695
L22	34.287-33.500	3.125	-1.535	3.212	-1.417
L23	33.500-33.250	2.952	-1.450	3.217	-1.419
L24	33.250-33.000	2.957	-1.453	3.222	-1.422
L25	33.000-32.750	2.962	-1.455	3.228	-1.424
L26	32.750-32.000	2.971	-1.460	3.238	-1.429

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L27	32.000-31.750	3.167	-1.556	3.251	-1.435
L28	31.750-28.500	2.302	-1.066	2.630	-1.060
L29	28.500-28.250	2.065	-0.930	2.415	-0.935
L30	28.250-27.500	2.071	-0.933	2.422	-0.938
L31	27.500-27.250	2.083	-0.939	2.436	-0.943
L32	27.250-22.250	2.838	-1.278	2.929	-1.135
L33	22.250-18.000	3.896	-1.847	3.770	-1.578
L34	18.000-17.750	4.467	-2.196	4.261	-1.888
L35	17.750-15.450	5.669	-1.248	5.253	-1.147
L36	15.450-15.200	5.867	-1.130	5.421	-1.053
L37	15.200-13.410	5.901	-1.136	5.449	-1.059
L38	13.410-13.160	5.935	-1.143	5.478	-1.064
L39	13.160-8.160	4.902	-0.851	4.591	-0.818
L40	8.160-6.500	5.856	-1.102	5.319	-1.008
L41	6.500-6.250	5.887	-1.108	5.346	-1.013
L42	6.250-4.450	5.919	-1.113	5.374	-1.018
L43	4.450-4.200	5.950	-1.119	5.402	-1.024
L44	4.200-0.000	4.946	-1.741	4.570	-1.526

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	21	Safety Line 3/8	93.00 - 98.00	1.0000	1.0000
L2	21	Safety Line 3/8	88.00 - 93.00	1.0000	1.0000
L3	21	Safety Line 3/8	82.79 - 88.00	1.0000	1.0000
L4	21	Safety Line 3/8	80.21 - 82.79	1.0000	1.0000
L5	21	Safety Line 3/8	75.21 - 80.21	1.0000	1.0000
L6	21	Safety Line 3/8	70.21 - 75.21	1.0000	1.0000
L7	14	AVA7-50(1-5/8)	65.21 - 67.00	1.0000	1.0000
L7	21	Safety Line 3/8	65.21 - 70.21	1.0000	1.0000
L8	14	AVA7-50(1-5/8)	60.21 - 65.21	1.0000	1.0000
L8	21	Safety Line 3/8	60.21 - 65.21	1.0000	1.0000
L8	34	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.50	1.0000	1.0000
L8	35	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.50	1.0000	1.0000
L8	36	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.67	1.0000	1.0000
L9	14	AVA7-50(1-5/8)	59.17 - 60.21	1.0000	1.0000
L9	21	Safety Line 3/8	59.17 - 60.21	1.0000	1.0000
L9	34	Sabre MS-450 (4.5" x 1" Plate)	59.17 - 60.21	1.0000	1.0000
L9	35	Sabre MS-450 (4.5" x 1" Plate)	59.17 - 60.21	1.0000	1.0000
L9	36	Sabre MS-450 (4.5" x 1" Plate)	59.17 - 60.21	1.0000	1.0000
L10	14	AVA7-50(1-5/8)	58.90 - 59.17	1.0000	1.0000
L10	21	Safety Line 3/8	58.90 - 59.17	1.0000	1.0000
L10	34	Sabre MS-450 (4.5" x 1" Plate)	58.90 - 59.17	1.0000	1.0000
L10	35	Sabre MS-450 (4.5" x 1"	58.90 - 59.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		Plate)			
L10	36	Sabre MS-450 (4.5" x 1" Plate)	58.90 - 59.17	1.0000	1.0000
L11	14	AVA7-50(1-5/8)	58.75 - 58.90	1.0000	1.0000
L11	21	Safety Line 3/8	58.75 - 58.90	1.0000	1.0000
L11	34	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	1.0000	1.0000
L11	35	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	1.0000	1.0000
L11	36	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	1.0000	1.0000
L12	14	AVA7-50(1-5/8)	54.00 - 58.75	1.0000	1.0000
L12	21	Safety Line 3/8	54.00 - 58.75	1.0000	1.0000
L12	34	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	1.0000	1.0000
L12	35	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	1.0000	1.0000
L12	36	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	1.0000	1.0000
L12	37	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 54.42	1.0000	1.0000
L12	41	CCI-5x1.25	54.00 - 56.00	1.0000	1.0000
L13	14	AVA7-50(1-5/8)	53.75 - 54.00	1.0000	1.0000
L13	21	Safety Line 3/8	53.75 - 54.00	1.0000	1.0000
L13	34	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	1.0000	1.0000
L13	35	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	1.0000	1.0000
L13	36	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	1.0000	1.0000
L13	37	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	1.0000	1.0000
L13	41	CCI-5x1.25	53.75 - 54.00	1.0000	1.0000
L14	14	AVA7-50(1-5/8)	52.91 - 53.75	1.0000	1.0000
L14	21	Safety Line 3/8	52.91 - 53.75	1.0000	1.0000
L14	34	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	1.0000	1.0000
L14	35	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	1.0000	1.0000
L14	36	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	1.0000	1.0000
L14	37	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	1.0000	1.0000
L14	41	CCI-5x1.25	52.91 - 53.75	1.0000	1.0000
L15	14	AVA7-50(1-5/8)	52.66 - 52.91	1.0000	1.0000
L15	21	Safety Line 3/8	52.66 - 52.91	1.0000	1.0000
L15	34	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	1.0000	1.0000
L15	35	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	1.0000	1.0000
L15	36	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	1.0000	1.0000
L15	37	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	1.0000	1.0000
L15	41	CCI-5x1.25	52.66 - 52.91	1.0000	1.0000
L16	14	AVA7-50(1-5/8)	52.17 - 52.66	1.0000	1.0000
L16	21	Safety Line 3/8	52.17 - 52.66	1.0000	1.0000
L16	34	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	1.0000	1.0000
L16	35	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	1.0000	1.0000
L16	36	Sabre MS-450 (4.5" x 1"	52.17 - 52.66	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		Plate)			
L16	37	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	1.0000	1.0000
L16	41	CCI-5x1.25	52.17 - 52.66	1.0000	1.0000
L17	14	AVA7-50(1-5/8)	51.92 - 52.17	1.0000	1.0000
L17	21	Safety Line 3/8	51.92 - 52.17	1.0000	1.0000
L17	34	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	1.0000	1.0000
L17	35	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	1.0000	1.0000
L17	36	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	1.0000	1.0000
L17	37	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	1.0000	1.0000
L17	41	CCI-5x1.25	51.92 - 52.17	1.0000	1.0000
L18	14	AVA7-50(1-5/8)	45.29 - 51.92	1.0000	1.0000
L18	19	CU12PSM9P8XXX(1-3/8)	45.29 - 48.00	1.0000	1.0000
L18	21	Safety Line 3/8	45.29 - 51.92	1.0000	1.0000
L18	33	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 49.75	1.0000	1.0000
L18	34	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 51.92	1.0000	1.0000
L18	35	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 51.92	1.0000	1.0000
L18	36	Sabre MS-450 (4.5" x 1" Plate)	50.67 - 51.92	1.0000	1.0000
L18	37	Sabre MS-450 (4.5" x 1" Plate)	45.92 - 51.92	1.0000	1.0000
L18	41	CCI-5x1.25	45.29 - 51.92	1.0000	1.0000
L19	14	AVA7-50(1-5/8)	44.29 - 45.29	1.0000	1.0000
L19	19	CU12PSM9P8XXX(1-3/8)	44.29 - 45.29	1.0000	1.0000
L19	21	Safety Line 3/8	44.29 - 45.29	1.0000	1.0000
L19	33	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	1.0000	1.0000
L19	34	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	1.0000	1.0000
L19	35	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	1.0000	1.0000
L19	41	CCI-5x1.25	44.29 - 45.29	1.0000	1.0000
L20	14	AVA7-50(1-5/8)	39.29 - 44.29	1.0000	1.0000
L20	19	CU12PSM9P8XXX(1-3/8)	39.29 - 44.29	1.0000	1.0000
L20	21	Safety Line 3/8	39.29 - 44.29	1.0000	1.0000
L20	33	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	1.0000	1.0000
L20	34	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	1.0000	1.0000
L20	35	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	1.0000	1.0000
L20	41	CCI-5x1.25	39.29 - 44.29	1.0000	1.0000
L21	14	AVA7-50(1-5/8)	34.29 - 39.29	1.0000	1.0000
L21	19	CU12PSM9P8XXX(1-3/8)	34.29 - 39.29	1.0000	1.0000
L21	21	Safety Line 3/8	34.29 - 39.29	1.0000	1.0000
L21	29	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	1.0000	1.0000
L21	30	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	1.0000	1.0000
L21	31	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	1.0000	1.0000
L21	33	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	1.0000	1.0000
L21	34	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	1.0000	1.0000
L21	35	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	1.0000	1.0000
L21	41	CCI-5x1.25	34.29 - 39.29	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	14	AVA7-50(1-5/8)	33.50 - 34.29	1.0000	1.0000
L22	19	CU12PSM9P8XXX(1-3/8)	33.50 - 34.29	1.0000	1.0000
L22	21	Safety Line 3/8	33.50 - 34.29	1.0000	1.0000
L22	29	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	30	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	31	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	33	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	34	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	35	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	1.0000	1.0000
L22	41	CCI-5x1.25	33.50 - 34.29	1.0000	1.0000
L23	14	AVA7-50(1-5/8)	33.25 - 33.50	1.0000	1.0000
L23	19	CU12PSM9P8XXX(1-3/8)	33.25 - 33.50	1.0000	1.0000
L23	21	Safety Line 3/8	33.25 - 33.50	1.0000	1.0000
L23	29	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	30	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	31	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	33	Sabre MS-450 (4.5" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	34	Sabre MS-450 (4.5" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	35	Sabre MS-450 (4.5" x 1" Plate)	33.25 - 33.50	1.0000	1.0000
L23	41	CCI-5x1.25	33.25 - 33.50	1.0000	1.0000
L24	14	AVA7-50(1-5/8)	33.00 - 33.25	1.0000	1.0000
L24	19	CU12PSM9P8XXX(1-3/8)	33.00 - 33.25	1.0000	1.0000
L24	21	Safety Line 3/8	33.00 - 33.25	1.0000	1.0000
L24	29	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	30	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	31	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	33	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	34	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	35	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	1.0000	1.0000
L24	41	CCI-5x1.25	33.00 - 33.25	1.0000	1.0000
L25	14	AVA7-50(1-5/8)	32.75 - 33.00	1.0000	1.0000
L25	19	CU12PSM9P8XXX(1-3/8)	32.75 - 33.00	1.0000	1.0000
L25	21	Safety Line 3/8	32.75 - 33.00	1.0000	1.0000
L25	29	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	30	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	31	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	33	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	34	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	35	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	1.0000	1.0000
L25	41	CCI-5x1.25	32.75 - 33.00	1.0000	1.0000
L26	14	AVA7-50(1-5/8)	32.00 - 32.75	1.0000	1.0000
L26	19	CU12PSM9P8XXX(1-3/8)	32.00 - 32.75	1.0000	1.0000
L26	21	Safety Line 3/8	32.00 - 32.75	1.0000	1.0000
L26	29	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	1.0000	1.0000
L26	30	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	1.0000	1.0000
L26	31	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	1.0000	1.0000
L26	33	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	1.0000	1.0000
L26	34	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L26	35	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	1.0000	1.0000
L26	41	CCI-5x1.25	32.00 - 32.75	1.0000	1.0000
L27	14	AVA7-50(1-5/8)	31.75 - 32.00	1.0000	1.0000
L27	19	CU12PSM9P8XXX(1-3/8)	31.75 - 32.00	1.0000	1.0000
L27	21	Safety Line 3/8	31.75 - 32.00	1.0000	1.0000
L27	29	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	30	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	31	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	33	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	34	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	35	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	1.0000	1.0000
L27	41	CCI-5x1.25	31.75 - 32.00	1.0000	1.0000
L28	14	AVA7-50(1-5/8)	28.50 - 31.75	1.0000	1.0000
L28	19	CU12PSM9P8XXX(1-3/8)	28.50 - 31.75	1.0000	1.0000
L28	21	Safety Line 3/8	28.50 - 31.75	1.0000	1.0000
L28	23	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	1.0000	1.0000
L28	24	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	1.0000	1.0000
L28	27	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	1.0000	1.0000
L28	29	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	1.0000	1.0000
L28	30	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	1.0000	1.0000
L28	31	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	1.0000	1.0000
L28	33	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	1.0000	1.0000
L28	34	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	1.0000	1.0000
L28	35	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	1.0000	1.0000
L28	41	CCI-5x1.25	31.00 - 31.75	1.0000	1.0000
L29	14	AVA7-50(1-5/8)	28.25 - 28.50	1.0000	1.0000
L29	19	CU12PSM9P8XXX(1-3/8)	28.25 - 28.50	1.0000	1.0000
L29	21	Safety Line 3/8	28.25 - 28.50	1.0000	1.0000
L29	23	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L29	24	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L29	27	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L29	29	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L29	30	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L29	31	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	1.0000	1.0000
L30	14	AVA7-50(1-5/8)	27.50 - 28.25	1.0000	1.0000
L30	19	CU12PSM9P8XXX(1-3/8)	27.50 - 28.25	1.0000	1.0000
L30	21	Safety Line 3/8	27.50 - 28.25	1.0000	1.0000
L30	23	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L30	24	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L30	27	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L30	29	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L30	30	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L30	31	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	1.0000	1.0000
L31	14	AVA7-50(1-5/8)	27.25 - 27.50	1.0000	1.0000
L31	19	CU12PSM9P8XXX(1-3/8)	27.25 - 27.50	1.0000	1.0000
L31	21	Safety Line 3/8	27.25 - 27.50	1.0000	1.0000
L31	23	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L31	24	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L31	27	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L31	29	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L31	30	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L31	31	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	1.0000	1.0000
L32	14	AVA7-50(1-5/8)	22.25 - 27.25	1.0000	1.0000
L32	19	CU12PSM9P8XXX(1-3/8)	22.25 - 27.25	1.0000	1.0000
L32	21	Safety Line 3/8	22.25 - 27.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L32	23	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	1.0000	1.0000
L32	24	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	1.0000	1.0000
L32	27	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	1.0000	1.0000
L32	29	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	1.0000	1.0000
L32	30	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	1.0000	1.0000
L32	31	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	1.0000	1.0000
L33	14	AVA7-50(1-5/8)	18.00 - 22.25	1.0000	1.0000
L33	19	CU12PSM9P8XXX(1-3/8)	18.00 - 22.25	1.0000	1.0000
L33	21	Safety Line 3/8	18.00 - 22.25	1.0000	1.0000
L33	23	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	1.0000	1.0000
L33	24	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	1.0000	1.0000
L33	27	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	1.0000	1.0000
L33	39	CCI-5x1.25	18.00 - 20.00	1.0000	1.0000
L34	14	AVA7-50(1-5/8)	17.75 - 18.00	1.0000	1.0000
L34	19	CU12PSM9P8XXX(1-3/8)	17.75 - 18.00	1.0000	1.0000
L34	21	Safety Line 3/8	17.75 - 18.00	1.0000	1.0000
L34	23	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	1.0000	1.0000
L34	24	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	1.0000	1.0000
L34	27	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	1.0000	1.0000
L34	39	CCI-5x1.25	17.75 - 18.00	1.0000	1.0000
L35	14	AVA7-50(1-5/8)	15.45 - 17.75	1.0000	1.0000
L35	19	CU12PSM9P8XXX(1-3/8)	15.45 - 17.75	1.0000	1.0000
L35	21	Safety Line 3/8	15.45 - 17.75	1.0000	1.0000
L35	23	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	1.0000	1.0000
L35	24	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	1.0000	1.0000
L35	26	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.45	1.0000	1.0000
L35	27	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	1.0000	1.0000
L35	39	CCI-5x1.25	15.45 - 17.75	1.0000	1.0000
L36	14	AVA7-50(1-5/8)	15.20 - 15.45	1.0000	1.0000
L36	19	CU12PSM9P8XXX(1-3/8)	15.20 - 15.45	1.0000	1.0000
L36	21	Safety Line 3/8	15.20 - 15.45	1.0000	1.0000
L36	23	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	1.0000	1.0000
L36	24	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	1.0000	1.0000
L36	26	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	1.0000	1.0000
L36	27	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	1.0000	1.0000
L36	39	CCI-5x1.25	15.20 - 15.45	1.0000	1.0000
L37	14	AVA7-50(1-5/8)	13.41 - 15.20	1.0000	1.0000
L37	19	CU12PSM9P8XXX(1-3/8)	13.41 - 15.20	1.0000	1.0000
L37	21	Safety Line 3/8	13.41 - 15.20	1.0000	1.0000
L37	23	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	1.0000	1.0000
L37	24	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	1.0000	1.0000
L37	26	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	1.0000	1.0000
L37	27	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	1.0000	1.0000
L37	39	CCI-5x1.25	13.41 - 15.20	1.0000	1.0000
L38	14	AVA7-50(1-5/8)	13.16 - 13.41	1.0000	1.0000
L38	19	CU12PSM9P8XXX(1-3/8)	13.16 - 13.41	1.0000	1.0000
L38	21	Safety Line 3/8	13.16 - 13.41	1.0000	1.0000
L38	23	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	1.0000	1.0000
L38	24	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	1.0000	1.0000
L38	26	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	1.0000	1.0000
L38	27	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	1.0000	1.0000
L38	39	CCI-5x1.25	13.16 - 13.41	1.0000	1.0000
L39	14	AVA7-50(1-5/8)	8.16 - 13.16	1.0000	1.0000
L39	19	CU12PSM9P8XXX(1-3/8)	8.16 - 13.16	1.0000	1.0000
L39	21	Safety Line 3/8	8.16 - 13.16	1.0000	1.0000
L39	23	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	1.0000	1.0000
L39	24	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	1.0000	1.0000
L39	25	Sabre MS-600 (6" x 1" Plate)	8.16 - 8.50	1.0000	1.0000
L39	26	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	1.0000	1.0000
L39	27	Sabre MS-600 (6" x 1" Plate)	11.41 - 13.16	1.0000	1.0000
L39	39	CCI-5x1.25	8.16 - 13.16	1.0000	1.0000
L40	14	AVA7-50(1-5/8)	6.50 - 8.16	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L40	19	CU12PSM9P8XXX(1-3/8)	6.50 - 8.16	1.0000	1.0000
L40	21	Safety Line 3/8	6.50 - 8.16	1.0000	1.0000
L40	23	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	1.0000	1.0000
L40	24	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	1.0000	1.0000
L40	25	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	1.0000	1.0000
L40	26	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	1.0000	1.0000
L40	39	CCI-5x1.25	6.50 - 8.16	1.0000	1.0000
L41	14	AVA7-50(1-5/8)	6.25 - 6.50	1.0000	1.0000
L41	19	CU12PSM9P8XXX(1-3/8)	6.25 - 6.50	1.0000	1.0000
L41	21	Safety Line 3/8	6.25 - 6.50	1.0000	1.0000
L41	23	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	1.0000	1.0000
L41	24	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	1.0000	1.0000
L41	25	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	1.0000	1.0000
L41	26	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	1.0000	1.0000
L41	39	CCI-5x1.25	6.25 - 6.50	1.0000	1.0000
L42	14	AVA7-50(1-5/8)	4.45 - 6.25	1.0000	1.0000
L42	19	CU12PSM9P8XXX(1-3/8)	4.45 - 6.25	1.0000	1.0000
L42	21	Safety Line 3/8	4.45 - 6.25	1.0000	1.0000
L42	23	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	1.0000	1.0000
L42	24	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	1.0000	1.0000
L42	25	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	1.0000	1.0000
L42	26	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	1.0000	1.0000
L42	39	CCI-5x1.25	4.45 - 6.25	1.0000	1.0000
L43	14	AVA7-50(1-5/8)	4.20 - 4.45	1.0000	1.0000
L43	19	CU12PSM9P8XXX(1-3/8)	4.20 - 4.45	1.0000	1.0000
L43	21	Safety Line 3/8	4.20 - 4.45	1.0000	1.0000
L43	23	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	1.0000	1.0000
L43	24	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	1.0000	1.0000
L43	25	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	1.0000	1.0000
L43	26	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	1.0000	1.0000
L43	39	CCI-5x1.25	4.20 - 4.45	1.0000	1.0000
L44	14	AVA7-50(1-5/8)	0.00 - 4.20	1.0000	1.0000
L44	19	CU12PSM9P8XXX(1-3/8)	0.00 - 4.20	1.0000	1.0000
L44	21	Safety Line 3/8	0.00 - 4.20	1.0000	1.0000
L44	23	Sabre MS-600 (6" x 1" Plate)	0.00 - 4.20	1.0000	1.0000
L44	24	Sabre MS-600 (6" x 1" Plate)	0.00 - 4.20	1.0000	1.0000
L44	25	Sabre MS-600 (6" x 1" Plate)	0.50 - 4.20	1.0000	1.0000
L44	26	Sabre MS-600 (6" x 1" Plate)	2.45 - 4.20	1.0000	1.0000
L44	39	CCI-5x1.25	0.00 - 4.20	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L8	34	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.50	Auto	0.3288
L8	35	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.50	Auto	0.3288
L8	36	Sabre MS-450 (4.5" x 1" Plate)	60.21 - 60.67	Auto	0.3295
L9	34	Sabre MS-450 (4.5" x 1" Plate)	59.17 - 60.21	Auto	0.3233
L9	35	Sabre MS-450 (4.5" x 1"	59.17 - 60.21	Auto	0.3233

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
		Plate)			
L9	36	Sabre MS-450 (4.5" x 1" Plate)	59.17 - 60.21	Auto	0.3233
L10	34	Sabre MS-450 (4.5" x 1" Plate)	58.90 - 59.17	Auto	0.4205
L10	35	Sabre MS-450 (4.5" x 1" Plate)	58.90 - 59.17	Auto	0.4205
L10	36	Sabre MS-450 (4.5" x 1" Plate)	58.90 - 59.17	Auto	0.4205
L11	34	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	Auto	0.4188
L11	35	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	Auto	0.4188
L11	36	Sabre MS-450 (4.5" x 1" Plate)	58.75 - 58.90	Auto	0.4188
L12	34	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	Auto	0.3936
L12	35	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	Auto	0.3936
L12	36	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 58.75	Auto	0.3936
L12	37	Sabre MS-450 (4.5" x 1" Plate)	54.00 - 54.42	Auto	0.3756
L12	41	CCI-5x1.25	54.00 - 56.00	Auto	0.4439
L13	34	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	Auto	0.3777
L13	35	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	Auto	0.3777
L13	36	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	Auto	0.3777
L13	37	Sabre MS-450 (4.5" x 1" Plate)	53.75 - 54.00	Auto	0.3777
L13	41	CCI-5x1.25	53.75 - 54.00	Auto	0.4399
L14	34	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	Auto	0.3683
L14	35	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	Auto	0.3683
L14	36	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	Auto	0.3683
L14	37	Sabre MS-450 (4.5" x 1" Plate)	52.91 - 53.75	Auto	0.3683
L14	41	CCI-5x1.25	52.91 - 53.75	Auto	0.4314
L15	34	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	Auto	0.4322
L15	35	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	Auto	0.4322
L15	36	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	Auto	0.4322
L15	37	Sabre MS-450 (4.5" x 1" Plate)	52.66 - 52.91	Auto	0.4322
L15	41	CCI-5x1.25	52.66 - 52.91	Auto	0.4890
L16	34	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	Auto	0.4291
L16	35	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	Auto	0.4291
L16	36	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	Auto	0.4291
L16	37	Sabre MS-450 (4.5" x 1" Plate)	52.17 - 52.66	Auto	0.4291
L16	41	CCI-5x1.25	52.17 - 52.66	Auto	0.4862
L17	34	Sabre MS-450 (4.5" x 1"	51.92 - 52.17	Auto	0.3674

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
		Plate)			
L17	35	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	Auto	0.3674
L17	36	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	Auto	0.3674
L17	37	Sabre MS-450 (4.5" x 1" Plate)	51.92 - 52.17	Auto	0.3674
L17	41	CCI-5x1.25	51.92 - 52.17	Auto	0.4306
L18	33	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 49.75	Auto	0.3249
L18	34	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 51.92	Auto	0.3339
L18	35	Sabre MS-450 (4.5" x 1" Plate)	45.29 - 51.92	Auto	0.3339
L18	36	Sabre MS-450 (4.5" x 1" Plate)	50.67 - 51.92	Auto	0.3563
L18	37	Sabre MS-450 (4.5" x 1" Plate)	45.92 - 51.92	Auto	0.3365
L18	41	CCI-5x1.25	45.29 - 51.92	Auto	0.4005
L19	33	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	Auto	0.3412
L19	34	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	Auto	0.3412
L19	35	Sabre MS-450 (4.5" x 1" Plate)	44.29 - 45.29	Auto	0.3412
L19	41	CCI-5x1.25	44.29 - 45.29	Auto	0.4071
L20	33	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	Auto	0.3114
L20	34	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	Auto	0.3114
L20	35	Sabre MS-450 (4.5" x 1" Plate)	39.29 - 44.29	Auto	0.3114
L20	41	CCI-5x1.25	39.29 - 44.29	Auto	0.3802
L21	29	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	Auto	0.4368
L21	30	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	Auto	0.4368
L21	31	Sabre MS-600 (6" x 1" Plate)	34.29 - 35.50	Auto	0.4368
L21	33	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	Auto	0.2649
L21	34	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	Auto	0.2649
L21	35	Sabre MS-450 (4.5" x 1" Plate)	34.29 - 39.29	Auto	0.2649
L21	41	CCI-5x1.25	34.29 - 39.29	Auto	0.3384
L22	29	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	Auto	0.4269
L22	30	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	Auto	0.4269
L22	31	Sabre MS-600 (6" x 1" Plate)	33.50 - 34.29	Auto	0.4269
L22	33	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	Auto	0.2359
L22	34	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	Auto	0.2359
L22	35	Sabre MS-450 (4.5" x 1" Plate)	33.50 - 34.29	Auto	0.2359
L22	41	CCI-5x1.25	33.50 - 34.29	Auto	0.3123
L23	29	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	Auto	0.5154
L23	30	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	Auto	0.5154
L23	31	Sabre MS-600 (6" x 1" Plate)	33.25 - 33.50	Auto	0.5154
L23	33	Sabre MS-450 (4.5" x 1" Plate)	33.25 - 33.50	Auto	0.3538
L23	34	Sabre MS-450 (4.5" x 1" Plate)	33.25 - 33.50	Auto	0.3538
L23	35	Sabre MS-450 (4.5" x 1"	33.25 - 33.50	Auto	0.3538

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
		Plate)			
L23	41	CCI-5x1.25	33.25 - 33.50	Auto	0.4184
L24	29	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	Auto	0.5138
L24	30	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	Auto	0.5138
L24	31	Sabre MS-600 (6" x 1" Plate)	33.00 - 33.25	Auto	0.5138
L24	33	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	Auto	0.3517
L24	34	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	Auto	0.3517
L24	35	Sabre MS-450 (4.5" x 1" Plate)	33.00 - 33.25	Auto	0.3517
L24	41	CCI-5x1.25	33.00 - 33.25	Auto	0.4166
L25	29	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	Auto	0.5049
L25	30	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	Auto	0.5049
L25	31	Sabre MS-600 (6" x 1" Plate)	32.75 - 33.00	Auto	0.5049
L25	33	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	Auto	0.3399
L25	34	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	Auto	0.3399
L25	35	Sabre MS-450 (4.5" x 1" Plate)	32.75 - 33.00	Auto	0.3399
L25	41	CCI-5x1.25	32.75 - 33.00	Auto	0.4059
L26	29	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	Auto	0.4981
L26	30	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	Auto	0.4981
L26	31	Sabre MS-600 (6" x 1" Plate)	32.00 - 32.75	Auto	0.4981
L26	33	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	Auto	0.3308
L26	34	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	Auto	0.3308
L26	35	Sabre MS-450 (4.5" x 1" Plate)	32.00 - 32.75	Auto	0.3308
L26	41	CCI-5x1.25	32.00 - 32.75	Auto	0.3977
L27	29	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	Auto	0.4327
L27	30	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	Auto	0.4327
L27	31	Sabre MS-600 (6" x 1" Plate)	31.75 - 32.00	Auto	0.4327
L27	33	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	Auto	0.2435
L27	34	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	Auto	0.2435
L27	35	Sabre MS-450 (4.5" x 1" Plate)	31.75 - 32.00	Auto	0.2435
L27	41	CCI-5x1.25	31.75 - 32.00	Auto	0.3192
L28	23	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	Auto	0.4142
L28	24	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	Auto	0.4142
L28	27	Sabre MS-600 (6" x 1" Plate)	28.50 - 30.50	Auto	0.4142
L28	29	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	Auto	0.4181
L28	30	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	Auto	0.4181
L28	31	Sabre MS-600 (6" x 1" Plate)	28.50 - 31.75	Auto	0.4181
L28	33	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	Auto	0.2324
L28	34	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	Auto	0.2324
L28	35	Sabre MS-450 (4.5" x 1" Plate)	30.50 - 31.75	Auto	0.2324
L28	41	CCI-5x1.25	31.00 - 31.75	Auto	0.3110
L29	23	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915
L29	24	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915
L29	27	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915
L29	29	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915
L29	30	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915
L29	31	Sabre MS-600 (6" x 1" Plate)	28.25 - 28.50	Auto	0.4915

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L30	23	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L30	24	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L30	27	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L30	29	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L30	30	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L30	31	Sabre MS-600 (6" x 1" Plate)	27.50 - 28.25	Auto	0.4847
L31	23	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L31	24	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L31	27	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L31	29	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L31	30	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L31	31	Sabre MS-600 (6" x 1" Plate)	27.25 - 27.50	Auto	0.4009
L32	23	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	Auto	0.3808
L32	24	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	Auto	0.3808
L32	27	Sabre MS-600 (6" x 1" Plate)	22.25 - 27.25	Auto	0.3808
L32	29	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	Auto	0.3910
L32	30	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	Auto	0.3910
L32	31	Sabre MS-600 (6" x 1" Plate)	25.50 - 27.25	Auto	0.3910
L33	23	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	Auto	0.3483
L33	24	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	Auto	0.3483
L33	27	Sabre MS-600 (6" x 1" Plate)	18.00 - 22.25	Auto	0.3483
L33	39	CCI-5x1.25	18.00 - 20.00	Auto	0.2095
L34	23	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	Auto	0.3379
L34	24	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	Auto	0.3379
L34	27	Sabre MS-600 (6" x 1" Plate)	17.75 - 18.00	Auto	0.3379
L34	39	CCI-5x1.25	17.75 - 18.00	Auto	0.2055
L35	23	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	Auto	0.2896
L35	24	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	Auto	0.2896
L35	26	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.45	Auto	0.2887
L35	27	Sabre MS-600 (6" x 1" Plate)	15.45 - 17.75	Auto	0.2896
L35	39	CCI-5x1.25	15.45 - 17.75	Auto	0.1476
L36	23	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	Auto	0.3587
L36	24	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	Auto	0.3587
L36	26	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	Auto	0.3587
L36	27	Sabre MS-600 (6" x 1" Plate)	15.20 - 15.45	Auto	0.3587
L36	39	CCI-5x1.25	15.20 - 15.45	Auto	0.2304
L37	23	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	Auto	0.3486
L37	24	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	Auto	0.3486
L37	26	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	Auto	0.3486
L37	27	Sabre MS-600 (6" x 1" Plate)	13.41 - 15.20	Auto	0.3486
L37	39	CCI-5x1.25	13.41 - 15.20	Auto	0.2184
L38	23	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	Auto	0.3093
L38	24	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	Auto	0.3093
L38	26	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	Auto	0.3093
L38	27	Sabre MS-600 (6" x 1" Plate)	13.16 - 13.41	Auto	0.3093
L38	39	CCI-5x1.25	13.16 - 13.41	Auto	0.1711
L39	23	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	Auto	0.2892
L39	24	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	Auto	0.2892
L39	25	Sabre MS-600 (6" x 1" Plate)	8.16 - 8.50	Auto	0.2747
L39	26	Sabre MS-600 (6" x 1" Plate)	8.16 - 13.16	Auto	0.2892
L39	27	Sabre MS-600 (6" x 1" Plate)	11.41 - 13.16	Auto	0.2994
L39	39	CCI-5x1.25	8.16 - 13.16	Auto	0.1471
L40	23	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	Auto	0.2684
L40	24	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	Auto	0.2684
L40	25	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	Auto	0.2684
L40	26	Sabre MS-600 (6" x 1" Plate)	6.50 - 8.16	Auto	0.2684
L40	39	CCI-5x1.25	6.50 - 8.16	Auto	0.1221
L41	23	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	Auto	0.2955
L41	24	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	Auto	0.2955
L41	25	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	Auto	0.2955
L41	26	Sabre MS-600 (6" x 1" Plate)	6.25 - 6.50	Auto	0.2955

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L41	39	CCI-5x1.25	6.25 - 6.50	Auto	0.1546
L42	23	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	Auto	0.2854
L42	24	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	Auto	0.2854
L42	25	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	Auto	0.2854
L42	26	Sabre MS-600 (6" x 1" Plate)	4.45 - 6.25	Auto	0.2854
L42	39	CCI-5x1.25	4.45 - 6.25	Auto	0.1425
L43	23	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	Auto	0.2387
L43	24	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	Auto	0.2387
L43	25	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	Auto	0.2387
L43	26	Sabre MS-600 (6" x 1" Plate)	4.20 - 4.45	Auto	0.2387
L43	39	CCI-5x1.25	4.20 - 4.45	Auto	0.0864
L44	23	Sabre MS-600 (6" x 1" Plate)	0.00 - 4.20	Auto	0.2211
L44	24	Sabre MS-600 (6" x 1" Plate)	0.00 - 4.20	Auto	0.2211
L44	25	Sabre MS-600 (6" x 1" Plate)	0.50 - 4.20	Auto	0.2227
L44	26	Sabre MS-600 (6" x 1" Plate)	2.45 - 4.20	Auto	0.2288
L44	39	CCI-5x1.25	0.00 - 4.20	Auto	0.0653

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVTM14-ALU-I20 w/ Mount Pipe (E)	A	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
APXVTM14-ALU-I20 w/ Mount Pipe (E)	B	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
APXVTM14-ALU-I20 w/ Mount Pipe (E)	C	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
NNVV-65B-R4 w/ Mount Pipe (E)	A	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529
NNVV-65B-R4 w/ Mount Pipe (E)	B	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529
NNVV-65B-R4 w/ Mount Pipe (E)	C	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529
(2) RRH2X50-800 (E)	A	From Leg	4.000 0.000 2.000	0.000	96.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.701 1.864 2.035 2.398	1.282 1.428 1.580 1.908	0.053 0.070 0.090 0.138

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) RRH2X50-800	B	From Leg	4.000	0.000	96.000	No Ice	1.701	1.282	0.053
(E)			0.000			1/2" Ice	1.864	1.428	0.070
			2.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
(2) RRH2X50-800	C	From Leg	4.000	0.000	96.000	No Ice	1.701	1.282	0.053
(E)			0.000			1/2" Ice	1.864	1.428	0.070
			2.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
PCS 1900MHz	A	From Leg	4.000	0.000	96.000	No Ice	2.322	2.238	0.060
4x45W-65MHz			0.000			1/2" Ice	2.527	2.441	0.083
(E)			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHz	B	From Leg	4.000	0.000	96.000	No Ice	2.322	2.238	0.060
4x45W-65MHz			0.000			1/2" Ice	2.527	2.441	0.083
(E)			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHz	C	From Leg	4.000	0.000	96.000	No Ice	2.322	2.238	0.060
4x45W-65MHz			0.000			1/2" Ice	2.527	2.441	0.083
(E)			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
FZHN	A	From Leg	4.000	0.000	96.000	No Ice	2.020	0.607	0.044
(E)			0.000			1/2" Ice	2.197	0.715	0.058
			2.000			1" Ice	2.381	0.829	0.075
						2" Ice	2.772	1.089	0.116
FZHN	B	From Leg	4.000	0.000	96.000	No Ice	2.020	0.607	0.044
(E)			0.000			1/2" Ice	2.197	0.715	0.058
			2.000			1" Ice	2.381	0.829	0.075
						2" Ice	2.772	1.089	0.116
FZHN	C	From Leg	4.000	0.000	96.000	No Ice	2.020	0.607	0.044
(E)			0.000			1/2" Ice	2.197	0.715	0.058
			2.000			1" Ice	2.381	0.829	0.075
						2" Ice	2.772	1.089	0.116
8' x 2" Mount Pipe	A	From Leg	4.000	0.000	96.000	No Ice	1.900	1.900	0.029
(E-per Photo)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	96.000	No Ice	1.900	1.900	0.029
(E-per Photo)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	96.000	No Ice	1.900	1.900	0.029
(E-per Photo)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
4' x 2" Horizontal Mount Pipe	A	From Leg	2.000	0.000	96.000	No Ice	0.866	0.866	0.015
(E-Handrail Support)			0.000			1/2" Ice	1.111	1.111	0.022
			2.000			1" Ice	1.365	1.365	0.032
						2" Ice	1.901	1.901	0.062
4' x 2" Horizontal Mount Pipe	B	From Leg	2.000	0.000	96.000	No Ice	0.866	0.866	0.015
(E-Handrail Support)			0.000			1/2" Ice	1.111	1.111	0.022
			2.000			1" Ice	1.365	1.365	0.032
						2" Ice	1.901	1.901	0.062
4' x 2" Horizontal Mount Pipe	C	From Leg	2.000	0.000	96.000	No Ice	0.866	0.866	0.015
(E-Handrail Support)			0.000			1/2" Ice	1.111	1.111	0.022
			2.000			1" Ice	1.365	1.365	0.032
						2" Ice	1.901	1.901	0.062
Miscellaneous [NA 510-1]	C	None		0.000	98.000	No Ice	6.360	6.360	0.256

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E-HR KIT)						1/2" Ice	8.520	8.520	0.344
						1" Ice	10.620	10.620	0.459
						2" Ice	14.640	14.640	0.769
Platform Mount [LP 714-1]	C	None		0.000	96.000	No Ice	37.510	37.510	1.600
(E-14' MSA)						1/2" Ice	41.700	41.700	2.496
						1" Ice	45.890	45.890	3.458
						2" Ice	54.290	54.290	5.583
*									
APXV18-209014-C w/	A	From Leg	4.000	0.000	89.000	No Ice	2.550	2.140	0.051
Mount Pipe			0.000			1/2" Ice	2.950	2.540	0.080
(E)			1.000			1" Ice	3.370	2.950	0.117
						2" Ice	4.240	3.810	0.217
APXV18-209014-C w/	B	From Leg	4.000	0.000	89.000	No Ice	2.550	2.140	0.051
Mount Pipe			0.000			1/2" Ice	2.950	2.540	0.080
(E)			1.000			1" Ice	3.370	2.950	0.117
						2" Ice	4.240	3.810	0.217
APXV18-209014-C w/	C	From Leg	4.000	0.000	89.000	No Ice	2.550	2.140	0.051
Mount Pipe			0.000			1/2" Ice	2.950	2.540	0.080
(E)			1.000			1" Ice	3.370	2.950	0.117
						2" Ice	4.240	3.810	0.217
APXVAARR24_43-U-NA20	A	From Leg	4.000	0.000	89.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(E)			1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20	B	From Leg	4.000	0.000	89.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(E)			1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20	C	From Leg	4.000	0.000	89.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(E)			1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
ATMPP1412D-1CWA	A	From Leg	4.000	0.000	89.000	No Ice	1.000	0.382	0.013
(E)			0.000			1/2" Ice	1.129	0.477	0.020
			1.000			1" Ice	1.265	0.578	0.028
						2" Ice	1.560	0.802	0.052
ATMPP1412D-1CWA	B	From Leg	4.000	0.000	89.000	No Ice	1.000	0.382	0.013
(E)			0.000			1/2" Ice	1.129	0.477	0.020
			1.000			1" Ice	1.265	0.578	0.028
						2" Ice	1.560	0.802	0.052
ATMPP1412D-1CWA	C	From Leg	4.000	0.000	89.000	No Ice	1.000	0.382	0.013
(E)			0.000			1/2" Ice	1.129	0.477	0.020
			1.000			1" Ice	1.265	0.578	0.028
						2" Ice	1.560	0.802	0.052
RADIO 4449 B12/B71	A	From Leg	4.000	0.000	89.000	No Ice	1.650	1.163	0.074
(E)			0.000			1/2" Ice	1.810	1.301	0.090
			1.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	B	From Leg	4.000	0.000	89.000	No Ice	1.650	1.163	0.074
(E)			0.000			1/2" Ice	1.810	1.301	0.090
			1.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	C	From Leg	4.000	0.000	89.000	No Ice	1.650	1.163	0.074
(E)			0.000			1/2" Ice	1.810	1.301	0.090
			1.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	89.000	No Ice	1.425	1.425	0.022

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E-Photo)			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	89.000	No Ice	1.425	1.425	0.022
(E-Photo)			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	89.000	No Ice	1.425	1.425	0.022
(E-Photo)			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
Miscellaneous [NA 510-1]	C	None		0.000	91.000	No Ice	6.360	6.360	0.256
(E-Photo)						1/2" Ice	8.520	8.520	0.344
						1" Ice	10.620	10.620	0.459
						2" Ice	14.640	14.640	0.769
Platform Mount [LP 305-1]	C	None		0.000	89.000	No Ice	18.040	18.040	1.121
(E)						1/2" Ice	22.040	22.040	1.470
						1" Ice	26.060	26.060	1.882
						2" Ice	34.160	34.160	2.896
*									
7770.00 w/ Mount Pipe	A	From Leg	4.000	0.000	77.000	No Ice	5.746	4.254	0.055
(E)			0.000			1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
7770.00 w/ Mount Pipe	B	From Leg	4.000	0.000	77.000	No Ice	5.746	4.254	0.055
(E)			0.000			1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
7770.00 w/ Mount Pipe	C	From Leg	4.000	0.000	77.000	No Ice	5.746	4.254	0.055
(E)			0.000			1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
P65-17-XLH-RR w/ Mount	A	From Leg	4.000	0.000	77.000	No Ice	7.480	5.290	0.095
Pipe			0.000			1/2" Ice	8.170	5.960	0.173
(E)			0.000			1" Ice	8.880	6.640	0.264
						2" Ice	10.330	8.050	0.489
SBNH-1D6565C w/ Mount	B	From Leg	4.000	0.000	77.000	No Ice	5.560	4.470	0.085
Pipe			0.000			1/2" Ice	6.070	4.970	0.167
(E)			0.000			1" Ice	6.590	5.470	0.262
						2" Ice	7.650	6.520	0.495
P65-17-XLH-RR w/ Mount	C	From Leg	4.000	0.000	77.000	No Ice	7.480	5.290	0.095
Pipe			0.000			1/2" Ice	8.170	5.960	0.173
(E)			0.000			1" Ice	8.880	6.640	0.264
						2" Ice	10.330	8.050	0.489
TPA-65R-LCUUUU-H8 w/	A	From Leg	4.000	0.000	77.000	No Ice	11.850	8.990	0.115
Mount Pipe			0.000			1/2" Ice	12.770	9.880	0.210
(E)			0.000			1" Ice	13.710	10.790	0.319
						2" Ice	15.640	12.660	0.580
TPA-65R-LCUUUU-H8 w/	B	From Leg	4.000	0.000	77.000	No Ice	11.850	8.990	0.115
Mount Pipe			0.000			1/2" Ice	12.770	9.880	0.210
(E)			0.000			1" Ice	13.710	10.790	0.319
						2" Ice	15.640	12.660	0.580
TPA-65R-LCUUUU-H8 w/	C	From Leg	4.000	0.000	77.000	No Ice	11.850	8.990	0.115
Mount Pipe			0.000			1/2" Ice	12.770	9.880	0.210
(E)			0.000			1" Ice	13.710	10.790	0.319
						2" Ice	15.640	12.660	0.580
RRUS 32 B2	A	From Leg	4.000	0.000	77.000	No Ice	2.731	1.668	0.053

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	B	From Leg	4.000	0.000	77.000	No Ice	2.731	1.668	0.053
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	C	From Leg	4.000	0.000	77.000	No Ice	2.731	1.668	0.053
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B30	A	From Leg	4.000	0.000	77.000	No Ice	2.692	1.573	0.060
(E)			0.000			1/2" Ice	2.912	1.756	0.080
			0.000			1" Ice	3.138	1.945	0.104
						2" Ice	3.614	2.346	0.161
RRUS 32 B30	B	From Leg	4.000	0.000	77.000	No Ice	2.692	1.573	0.060
(E)			0.000			1/2" Ice	2.912	1.756	0.080
			0.000			1" Ice	3.138	1.945	0.104
						2" Ice	3.614	2.346	0.161
RRUS 32 B30	C	From Leg	4.000	0.000	77.000	No Ice	2.692	1.573	0.060
(E)			0.000			1/2" Ice	2.912	1.756	0.080
			0.000			1" Ice	3.138	1.945	0.104
						2" Ice	3.614	2.346	0.161
DBC0061F1V51-2	A	From Leg	4.000	0.000	77.000	No Ice	0.433	0.413	0.025
(E)			0.000			1/2" Ice	0.518	0.496	0.031
			0.000			1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
DBC0061F1V51-2	B	From Leg	4.000	0.000	77.000	No Ice	0.433	0.413	0.025
(E)			0.000			1/2" Ice	0.518	0.496	0.031
			0.000			1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
DBC0061F1V51-2	C	From Leg	4.000	0.000	77.000	No Ice	0.433	0.413	0.025
(E)			0.000			1/2" Ice	0.518	0.496	0.031
			0.000			1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
TT19-08BP111-001	A	From Leg	4.000	0.000	77.000	No Ice	0.545	0.442	0.016
(E)			0.000			1/2" Ice	0.641	0.530	0.022
			0.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
TT19-08BP111-001	B	From Leg	4.000	0.000	77.000	No Ice	0.545	0.442	0.016
(E)			0.000			1/2" Ice	0.641	0.530	0.022
			0.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
TT19-08BP111-001	C	From Leg	4.000	0.000	77.000	No Ice	0.545	0.442	0.016
(E)			0.000			1/2" Ice	0.641	0.530	0.022
			0.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
DC6-48-60-18-8F	A	From Leg	1.000	0.000	77.000	No Ice	1.212	1.212	0.033
(E)			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
DC6-48-60-18-8F	B	From Leg	1.000	0.000	77.000	No Ice	1.212	1.212	0.033
(E)			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.000	77.000	No Ice	28.310	28.310	1.770
						1/2" Ice	35.690	35.690	2.297

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E)						1" Ice	43.110	43.110	2.943
						2" Ice	58.210	58.210	4.603
*									
(2) SBNHH-1D65B w/ Mount Pipe (Existing)	A	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe (Existing)	B	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe (Existing)	C	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
MT6407-77A w/ Mount Pipe (P)	A	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe (P)	B	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe (P)	C	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
RF4440D-13A (P)	A	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A (P)	B	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A (P)	C	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4439D-25A (P)	A	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RF4439D-25A (P)	B	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RF4439D-25A (P)	C	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RVZDC-6627-PF-48 (P)	A	From Leg	4.000 0.000 0.000	0.000	67.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.792 4.044 4.303 4.844	2.514 2.727 2.947 3.417	0.032 0.063 0.099 0.181
Platform Mount [LP 303-1_KCKR]	C	None		0.000	67.000	No Ice 1/2" Ice	25.910 32.230	25.910 32.230	1.525 1.986

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E-Photo)						1" Ice	38.730	38.730	2.540
						2" Ice	52.330	52.330	3.937
Mount Reinforcement Specifications (P-WO Comments)	C	None		0.000	67.000	No Ice	28.630	28.630	0.280
						1/2" Ice	37.310	37.310	0.670
						1" Ice	45.800	45.800	0.940
						2" Ice	62.380	62.380	1.630
*									
KS24019-L112A (E)	C	From Leg	3.000 0.000 2.000	0.000	52.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.141 0.198 0.262 0.415	0.141 0.198 0.262 0.415	0.005 0.007 0.009 0.018
Side Arm Mount [SO 701-1] (E)	C	From Leg	1.500 0.000 0.000	0.000	52.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.850 1.140 1.430 2.010	1.670 2.340 3.010 4.350	0.065 0.079 0.093 0.121
*									
MX08FRO665-21 w/ Mount Pipe (R)	A	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
MX08FRO665-21 w/ Mount Pipe (R)	B	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
MX08FRO665-21 w/ Mount Pipe (R)	C	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
TA08025-B604 (R)	A	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B604 (R)	B	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B604 (R)	C	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B605 (R)	A	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
TA08025-B605 (R)	B	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
TA08025-B605 (R)	C	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
RDIDC-9181-PF-48 (R)	A	From Leg	4.000 0.000 0.000	0.000	48.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.012 2.189 2.373 2.763	1.168 1.311 1.461 1.784	0.022 0.040 0.060 0.110
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	48.000	No Ice	1.900	1.900	0.029

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(R)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	48.000	No Ice	1.900	1.900	0.029
(R)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	48.000	No Ice	1.900	1.900	0.029
(R)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Commscope MC-PK8-DSH	C	None		0.000	48.000	No Ice	34.240	34.240	1.749
(R)						1/2" Ice	62.950	62.950	2.099
						1" Ice	91.660	91.660	2.450
						2" Ice	149.080	149.080	3.151
*									

Load Combinations

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

Comb. No.	Description
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	98 - 93	Pole	Max Tension	2	0.000	-0.000	-0.000
			Max. Compression	26	-9.528	-0.005	-0.003
			Max. Mx	20	-3.411	17.919	0.001
			Max. My	2	-3.405	-0.001	17.932
			Max. Vy	20	-4.556	17.919	0.001
			Max. Vx	2	-4.561	-0.001	17.932
			Max. Torque	24			0.001
L2	93 - 88	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-16.181	-0.015	-0.001
			Max. Mx	20	-6.141	46.248	0.003
			Max. My	2	-6.131	-0.002	46.288
			Max. Vy	20	-7.734	46.248	0.003
			Max. Vx	2	-7.742	-0.002	46.288
			Max. Torque	24			0.001
L3	88 - 82.79	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-16.395	-0.022	0.002
			Max. Mx	20	-6.280	67.970	0.004
			Max. My	2	-6.270	-0.004	68.033
			Max. Vy	20	-7.830	67.970	0.004
			Max. Vx	2	-7.839	-0.004	68.033
			Max. Torque	24			0.001
L4	82.79 - 80.207	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-17.001	-0.037	0.009
			Max. Mx	20	-6.679	107.614	0.007
			Max. My	2	-6.668	-0.006	107.719
			Max. Vy	20	-8.028	107.614	0.007
			Max. Vx	2	-8.037	-0.006	107.719
			Max. Torque	24			0.001
L5	80.207 - 75.207	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-25.808	-0.207	0.112
			Max. Mx	20	-10.300	155.545	0.035
			Max. My	2	-10.282	-0.050	155.803

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-12.326	155.545	0.035
			Max. Vx	2	-12.357	-0.050	155.803
			Max. Torque	19			-0.106
L6	75.207 - 70.207	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-26.362	-0.227	0.127
			Max. Mx	20	-10.778	217.488	-0.037
			Max. My	2	-10.760	-0.130	217.902
			Max. Vy	20	-12.470	217.488	-0.037
			Max. Vx	2	-12.502	-0.130	217.902
			Max. Torque	19			-0.106
L7	70.207 - 65.207	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.062	-0.300	0.818
			Max. Mx	8	-14.566	-286.968	0.437
			Max. My	2	-14.537	-0.226	287.815
			Max. Vy	20	-16.424	286.959	0.049
			Max. Vx	2	-16.500	-0.226	287.815
			Max. Torque	21			-0.462
L8	65.207 - 60.207	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.866	-0.471	0.917
			Max. Mx	8	-15.230	-369.261	0.549
			Max. My	2	-15.184	-0.346	371.069
			Max. Vy	20	-16.513	369.173	0.003
			Max. Vx	2	-16.827	-0.346	371.069
			Max. Torque	21			-0.462
L9	60.207 - 59.17	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.061	-0.506	0.938
			Max. Mx	8	-15.371	-386.380	0.572
			Max. My	2	-15.325	-0.373	388.519
			Max. Vy	20	-16.530	386.276	-0.007
			Max. Vx	2	-16.858	-0.373	388.519
			Max. Torque	21			-0.461
L10	59.17 - 58.9	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.126	-0.517	0.944
			Max. Mx	8	-15.436	-390.841	0.578
			Max. My	2	-15.390	-0.379	393.069
			Max. Vy	20	-16.523	390.733	-0.009
			Max. Vx	2	-16.856	-0.379	393.069
			Max. Torque	21			-0.461
L11	58.9 - 58.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.163	-0.523	0.948
			Max. Mx	8	-15.464	-393.321	0.582
			Max. My	2	-15.418	-0.383	395.598
			Max. Vy	20	-16.528	393.210	-0.011
			Max. Vx	2	-16.866	-0.383	395.598
			Max. Torque	21			-0.461
L12	58.75 - 54	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.344	-0.704	1.046
			Max. Mx	8	-16.280	-472.264	0.688
			Max. My	2	-16.232	-0.505	476.259
			Max. Vy	20	-16.713	472.074	-0.054
			Max. Vx	2	-17.107	-0.505	476.259
			Max. Torque	21			-0.461
L13	54 - 53.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.416	-0.717	1.052
			Max. Mx	8	-16.342	-476.442	0.694
			Max. My	2	-16.294	-0.511	480.536
			Max. Vy	20	-16.720	476.249	-0.057
			Max. Vx	2	-17.111	-0.511	480.536

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	21			-0.461
L14	53.75 - 52.91	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.661	-0.756	1.065
			Max. Mx	8	-16.506	-490.497	0.713
			Max. My	2	-16.458	-0.533	494.927
			Max. Vy	20	-16.785	490.308	-0.064
			Max. Vx	2	-17.158	-0.533	494.927
			Max. Torque	21			-0.461
L15	52.91 - 52.66	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.738	-0.769	1.070
			Max. Mx	8	-16.568	-494.685	0.718
			Max. My	2	-16.519	-0.540	499.218
			Max. Vy	20	-16.797	494.502	-0.067
			Max. Vx	2	-17.171	-0.540	499.218
			Max. Torque	21			-0.461
L16	52.66 - 52.17	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.890	-0.791	1.078
			Max. Mx	8	-16.672	-502.903	0.729
			Max. My	2	-16.623	-0.552	507.641
			Max. Vy	20	-16.837	502.735	-0.071
			Max. Vx	2	-17.209	-0.552	507.641
			Max. Torque	21			-0.461
L17	52.17 - 51.92	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.091	-0.520	0.919
			Max. Mx	20	-16.798	507.139	-0.172
			Max. My	2	-16.756	-0.385	511.856
			Max. Vy	20	-16.902	507.139	-0.172
			Max. Vx	2	-17.285	-0.385	511.856
			Max. Torque	21			-0.460
L18	51.92 - 45.287	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.035	-0.679	0.982
			Max. Mx	20	-17.452	561.643	-0.157
			Max. My	2	-17.409	-0.430	567.698
			Max. Vy	20	-17.031	561.643	-0.157
			Max. Vx	2	-17.448	-0.430	567.698
			Max. Torque	19			-0.424
L19	45.287 - 44.287	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.681	-0.900	1.478
			Max. Mx	20	-22.016	646.880	-0.016
			Max. My	2	-21.968	-0.493	655.198
			Max. Vy	20	-19.837	646.880	-0.016
			Max. Vx	2	-20.331	-0.493	655.198
			Max. Torque	19			-0.568
L20	44.287 - 39.287	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.244	-1.156	1.622
			Max. Mx	20	-23.187	746.302	0.011
			Max. My	2	-23.141	-0.570	757.313
			Max. Vy	20	-19.987	746.302	0.011
			Max. Vx	2	-20.532	-0.570	757.313
			Max. Torque	19			-0.568
L21	39.287 - 34.287	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.865	-1.418	1.766
			Max. Mx	20	-24.385	846.437	0.038
			Max. My	2	-24.343	-0.650	860.402
			Max. Vy	20	-20.125	846.437	0.038
			Max. Vx	2	-20.722	-0.650	860.402
			Max. Torque	12			0.581
L22	34.287 - 33.5	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-50.140	-1.459	1.789
			Max. Mx	20	-24.579	862.270	0.042
			Max. My	2	-24.539	-0.662	876.714
			Max. Vy	20	-20.169	862.270	0.042
			Max. Vx	2	-20.750	-0.662	876.714
			Max. Torque	12			0.590
L23	33.5 - 33.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.246	-1.474	1.798
			Max. Mx	20	-24.665	867.308	0.044
			Max. My	2	-24.625	-0.666	881.903
			Max. Vy	20	-20.177	867.308	0.044
			Max. Vx	2	-20.760	-0.666	881.903
			Max. Torque	12			0.592
L24	33.25 - 33	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.351	-1.487	1.806
			Max. Mx	20	-24.742	872.351	0.045
			Max. My	2	-24.702	-0.670	887.096
			Max. Vy	20	-20.196	872.351	0.045
			Max. Vx	2	-20.778	-0.670	887.096
			Max. Torque	12			0.595
L25	33 - 32.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.451	-1.500	1.813
			Max. Mx	20	-24.812	877.398	0.047
			Max. My	2	-24.773	-0.674	892.293
			Max. Vy	20	-20.215	877.398	0.047
			Max. Vx	2	-20.796	-0.674	892.293
			Max. Torque	12			0.598
L26	32.75 - 32	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.750	-1.539	1.833
			Max. Mx	20	-25.020	892.568	0.051
			Max. My	2	-24.981	-0.687	907.912
			Max. Vy	20	-20.276	892.568	0.051
			Max. Vx	2	-20.854	-0.687	907.912
			Max. Torque	12			0.607
L27	32 - 31.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.836	-1.553	1.841
			Max. Mx	20	-25.082	897.633	0.052
			Max. My	2	-25.044	-0.691	913.127
			Max. Vy	20	-20.287	897.633	0.052
			Max. Vx	2	-20.862	-0.691	913.127
			Max. Torque	12			0.610
L28	31.75 - 28.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.942	-1.693	1.912
			Max. Mx	20	-25.840	963.825	0.071
			Max. My	2	-25.805	-0.744	981.248
			Max. Vy	20	-20.496	963.825	0.071
			Max. Vx	2	-21.069	-0.744	981.248
			Max. Torque	12			0.635
L29	28.5 - 28.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.046	-1.705	1.919
			Max. Mx	20	-25.928	968.944	0.072
			Max. My	2	-25.894	-0.748	986.515
			Max. Vy	20	-20.500	968.944	0.072
			Max. Vx	2	-21.074	-0.748	986.515
			Max. Torque	12			0.637
L30	28.25 - 27.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.358	-1.736	1.934
			Max. Mx	20	-26.152	984.326	0.077
			Max. My	2	-26.118	-0.761	1002.343
			Max. Vy	20	-20.560	984.326	0.077
			Max. Vx	2	-21.133	-0.761	1002.343

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	12			0.641
L31	27.5 - 27.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.443	-1.747	1.940
			Max. Mx	20	-26.216	989.463	0.078
			Max. My	2	-26.182	-0.765	1007.628
			Max. Vy	20	-20.571	989.463	0.078
			Max. Vx	2	-21.145	-0.765	1007.628
			Max. Torque	12			0.643
L32	27.25 - 22.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.072	-1.960	2.047
			Max. Mx	20	-27.419	1092.525	0.108
			Max. My	2	-27.389	-0.850	1113.767
			Max. Vy	20	-20.704	1092.525	0.108
			Max. Vx	2	-21.319	-0.850	1113.767
			Max. Torque	12			0.686
L33	22.25 - 18	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.447	-2.162	2.150
			Max. Mx	20	-28.469	1180.571	0.134
			Max. My	2	-28.444	-0.923	1204.572
			Max. Vy	20	-20.795	1180.571	0.134
			Max. Vx	2	-21.434	-0.923	1204.572
			Max. Torque	12			0.741
L34	18 - 17.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.536	-2.175	2.158
			Max. Mx	20	-28.548	1185.762	0.135
			Max. My	2	-28.525	-0.928	1209.929
			Max. Vy	20	-20.786	1185.762	0.135
			Max. Vx	2	-21.427	-0.928	1209.929
			Max. Torque	12			0.745
L35	17.75 - 15.45	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.315	-2.308	2.199
			Max. Mx	20	-29.128	1233.550	0.150
			Max. My	2	-29.107	-0.968	1259.254
			Max. Vy	20	-20.829	1233.550	0.150
			Max. Vx	2	-21.480	-0.968	1259.254
			Max. Torque	12			0.782
L36	15.45 - 15.2	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.413	-2.323	2.204
			Max. Mx	20	-29.219	1238.747	0.151
			Max. My	2	-29.199	-0.972	1264.620
			Max. Vy	20	-20.812	1238.747	0.151
			Max. Vx	2	-21.466	-0.972	1264.620
			Max. Torque	12			0.787
L37	15.2 - 13.41	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.110	-2.427	2.233
			Max. Mx	20	-29.735	1276.009	0.163
			Max. My	2	-29.717	-1.004	1303.098
			Max. Vy	20	-20.881	1276.009	0.163
			Max. Vx	2	-21.542	-1.004	1303.098
			Max. Torque	12			0.816
L38	13.41 - 13.16	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.201	-2.443	2.238
			Max. Mx	20	-29.821	1281.220	0.164
			Max. My	2	-29.803	-1.009	1308.480
			Max. Vy	20	-20.864	1281.220	0.164
			Max. Vx	2	-21.526	-1.009	1308.480
			Max. Torque	12			0.820
L39	13.16 - 8.16	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.001	-2.707	2.353
			Max. Mx	20	-31.211	1385.667	0.197
			Max. My	2	-31.199	-1.099	1416.403

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-20.969	1385.667	0.197
			Max. Vx	2	-21.651	-1.099	1416.403
			Max. Torque	12			0.891
L40	8.16 - 6.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.607	-2.804	2.382
			Max. Mx	20	-31.673	1420.444	0.208
			Max. My	2	-31.663	-1.129	1452.357
			Max. Vy	20	-21.012	1420.444	0.208
			Max. Vx	2	-21.700	-1.129	1452.357
			Max. Torque	12			0.918
L41	6.5 - 6.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.705	-2.819	2.387
			Max. Mx	20	-31.767	1425.686	0.209
			Max. My	2	-31.758	-1.134	1457.777
			Max. Vy	20	-20.991	1425.686	0.209
			Max. Vx	2	-21.680	-1.134	1457.777
			Max. Torque	12			0.922
L42	6.25 - 4.45	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.404	-2.922	2.417
			Max. Mx	20	-32.301	1463.474	0.221
			Max. My	2	-32.293	-1.167	1496.855
			Max. Vy	20	-21.060	1463.474	0.221
			Max. Vx	2	-21.755	-1.167	1496.855
			Max. Torque	12			0.953
L43	4.45 - 4.2	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.488	-2.937	2.422
			Max. Mx	20	-32.382	1468.728	0.223
			Max. My	2	-32.376	-1.171	1502.289
			Max. Vy	20	-21.040	1468.728	0.223
			Max. Vx	2	-21.736	-1.171	1502.289
			Max. Torque	12			0.957
L44	4.2 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.866	-3.151	2.521
			Max. Mx	20	-33.485	1557.133	0.252
			Max. My	2	-33.484	-1.250	1593.747
			Max. Vy	20	-21.117	1557.133	0.252
			Max. Vx	2	-21.825	-1.250	1593.747
			Max. Torque	12			1.023

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	38	61.866	3.522	6.117
	Max. H_x	21	25.124	21.095	-0.002
	Max. H_z	2	33.499	-0.002	21.803
	Max. M_x	2	1593.747	-0.002	21.803
	Max. M_z	8	1548.312	-20.822	0.002
	Max. Torsion	12	1.023	-12.352	-21.480
	Min. Vert	7	25.124	-18.034	10.461
	Min. H_x	9	25.124	-20.822	0.002
	Min. H_z	14	33.499	0.002	-21.717
	Min. M_x	14	-1589.223	0.002	-21.717
	Min. M_z	20	-1557.133	21.095	-0.002
	Min. Torsion	24	-1.021	12.351	21.479

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	27.916	0.000	0.000	-0.620	-0.576	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	33.499	0.002	-21.803	-1593.747	-1.250	-0.116
0.9 Dead+1.0 Wind 0 deg - No Ice	25.124	0.002	-21.803	-1570.538	-1.054	-0.117
1.2 Dead+1.0 Wind 30 deg - No Ice	33.499	10.443	-18.169	-1348.364	-775.936	-0.434
0.9 Dead+1.0 Wind 30 deg - No Ice	25.124	10.443	-18.169	-1328.531	-764.449	-0.435
1.2 Dead+1.0 Wind 60 deg - No Ice	33.499	18.034	-10.461	-778.155	-1341.237	-0.563
0.9 Dead+1.0 Wind 60 deg - No Ice	25.124	18.034	-10.461	-766.618	-1321.498	-0.564
1.2 Dead+1.0 Wind 90 deg - No Ice	33.499	20.822	-0.002	-1.316	-1548.312	-0.542
0.9 Dead+1.0 Wind 90 deg - No Ice	25.124	20.822	-0.002	-1.100	-1525.554	-0.542
1.2 Dead+1.0 Wind 120 deg - No Ice	33.499	18.559	10.762	786.762	-1359.922	-0.376
0.9 Dead+1.0 Wind 120 deg - No Ice	25.124	18.559	10.762	775.567	-1340.045	-0.375
1.2 Dead+1.0 Wind 150 deg - No Ice	33.499	12.352	21.480	1455.769	-838.231	-1.023
0.9 Dead+1.0 Wind 150 deg - No Ice	25.124	12.352	21.480	1435.489	-826.264	-1.023
1.2 Dead+1.0 Wind 180 deg - No Ice	33.499	-0.002	21.717	1589.223	-0.186	0.115
0.9 Dead+1.0 Wind 180 deg - No Ice	25.124	-0.002	21.717	1566.447	-0.012	0.116
1.2 Dead+1.0 Wind 210 deg - No Ice	33.499	-10.460	18.199	1348.013	775.201	0.436
0.9 Dead+1.0 Wind 210 deg - No Ice	25.124	-10.460	18.199	1328.582	764.079	0.437
1.2 Dead+1.0 Wind 240 deg - No Ice	33.499	-18.273	10.599	781.757	1348.752	0.566
0.9 Dead+1.0 Wind 240 deg - No Ice	25.124	-18.273	10.599	770.592	1329.318	0.566
1.2 Dead+1.0 Wind 270 deg - No Ice	33.499	-21.095	0.002	-0.251	1557.133	0.543
0.9 Dead+1.0 Wind 270 deg - No Ice	25.124	-21.095	0.002	-0.057	1534.668	0.543
1.2 Dead+1.0 Wind 300 deg - No Ice	33.499	-18.541	-10.752	-788.654	1359.049	0.375
0.9 Dead+1.0 Wind 300 deg - No Ice	25.124	-18.541	-10.752	-777.040	1339.525	0.374
1.2 Dead+1.0 Wind 330 deg - No Ice	33.499	-12.351	-21.479	-1457.305	836.788	1.021
0.9 Dead+1.0 Wind 330 deg - No Ice	25.124	-12.351	-21.479	-1436.614	825.187	1.020
1.2 Dead+1.0 Ice+1.0 Temp	61.866	0.000	-0.000	-2.521	-3.151	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	61.866	-0.003	-6.532	-503.020	-3.167	-0.054
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	61.866	3.240	-5.634	-434.478	-251.782	-0.122
1.2 Dead+1.0 Wind 60 deg+1.0	61.866	5.614	-3.251	-251.902	-433.788	-0.144

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
Ice+1.0 Temp 1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	61.866	6.484	0.003	-2.529	-500.428	-0.127
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	61.866	5.617	3.256	246.842	-433.862	-0.077
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	61.866	3.522	6.118	446.052	-261.507	-0.261
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	61.866	0.003	6.532	497.840	-3.274	0.054
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	61.866	-3.240	5.634	429.324	245.347	0.122
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	61.866	-5.616	3.253	246.785	427.428	0.144
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	61.866	-6.486	-0.003	-2.636	494.063	0.128
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	61.866	-5.617	-3.256	-252.014	427.434	0.077
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	61.866	-3.522	-6.117	-451.210	255.064	0.261
Dead+Wind 0 deg - Service	27.916	0.001	-5.596	-406.418	-0.729	-0.028
Dead+Wind 30 deg - Service	27.916	2.680	-4.664	-343.888	-198.045	-0.112
Dead+Wind 60 deg - Service	27.916	4.629	-2.685	-198.651	-342.028	-0.146
Dead+Wind 90 deg - Service	27.916	5.345	-0.001	-0.788	-394.770	-0.142
Dead+Wind 120 deg - Service	27.916	4.763	2.762	199.947	-346.804	-0.099
Dead+Wind 150 deg - Service	27.916	3.170	5.513	370.434	-213.969	-0.266
Dead+Wind 180 deg - Service	27.916	-0.001	5.574	404.358	-0.459	0.028
Dead+Wind 210 deg - Service	27.916	-2.685	4.671	342.894	197.038	0.112
Dead+Wind 240 deg - Service	27.916	-4.690	2.721	198.666	343.128	0.146
Dead+Wind 270 deg - Service	27.916	-5.415	0.001	-0.518	396.203	0.142
Dead+Wind 300 deg - Service	27.916	-4.759	-2.760	-201.335	345.758	0.099
Dead+Wind 330 deg - Service	27.916	-3.170	-5.512	-371.731	212.777	0.266

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-27.916	0.000	0.000	27.916	0.000	0.000%
2	0.002	-33.499	-21.803	-0.002	33.499	21.803	0.000%
3	0.002	-25.124	-21.803	-0.002	25.124	21.803	0.000%
4	10.443	-33.499	-18.169	-10.443	33.499	18.169	0.000%
5	10.443	-25.124	-18.169	-10.443	25.124	18.169	0.000%
6	18.034	-33.499	-10.461	-18.034	33.499	10.461	0.000%
7	18.034	-25.124	-10.461	-18.034	25.124	10.461	0.000%
8	20.822	-33.499	-0.002	-20.822	33.499	0.002	0.000%
9	20.822	-25.124	-0.002	-20.822	25.124	0.002	0.000%
10	18.559	-33.499	10.762	-18.559	33.499	-10.762	0.000%
11	18.559	-25.124	10.762	-18.559	25.124	-10.762	0.000%
12	12.352	-33.499	21.480	-12.352	33.499	-21.480	0.000%
13	12.352	-25.124	21.480	-12.352	25.124	-21.480	0.000%
14	-0.002	-33.499	21.717	0.002	33.499	-21.717	0.000%
15	-0.002	-25.124	21.717	0.002	25.124	-21.717	0.000%
16	-10.460	-33.499	18.199	10.460	33.499	-18.199	0.000%
17	-10.460	-25.124	18.199	10.460	25.124	-18.199	0.000%
18	-18.273	-33.499	10.599	18.273	33.499	-10.599	0.000%
19	-18.273	-25.124	10.599	18.273	25.124	-10.599	0.000%
20	-21.095	-33.499	0.002	21.095	33.499	-0.002	0.000%
21	-21.095	-25.124	0.002	21.095	25.124	-0.002	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
22	-18.541	-33.499	-10.752	18.541	33.499	10.752	0.000%
23	-18.541	-25.124	-10.752	18.541	25.124	10.752	0.000%
24	-12.351	-33.499	-21.479	12.351	33.499	21.479	0.000%
25	-12.351	-25.124	-21.479	12.351	25.124	21.479	0.000%
26	0.000	-61.866	0.000	-0.000	61.866	0.000	0.000%
27	-0.003	-61.866	-6.532	0.003	61.866	6.532	0.000%
28	3.240	-61.866	-5.634	-3.240	61.866	5.634	0.000%
29	5.614	-61.866	-3.251	-5.614	61.866	3.251	0.000%
30	6.484	-61.866	0.003	-6.484	61.866	-0.003	0.000%
31	5.617	-61.866	3.256	-5.617	61.866	-3.256	0.000%
32	3.522	-61.866	6.118	-3.522	61.866	-6.118	0.000%
33	0.003	-61.866	6.532	-0.003	61.866	-6.532	0.000%
34	-3.240	-61.866	5.634	3.240	61.866	-5.634	0.000%
35	-5.616	-61.866	3.252	5.616	61.866	-3.253	0.000%
36	-6.486	-61.866	-0.003	6.486	61.866	0.003	0.000%
37	-5.617	-61.866	-3.256	5.617	61.866	3.256	0.000%
38	-3.522	-61.866	-6.117	3.522	61.866	6.117	0.000%
39	0.001	-27.916	-5.596	-0.001	27.916	5.596	0.000%
40	2.680	-27.916	-4.664	-2.680	27.916	4.664	0.000%
41	4.629	-27.916	-2.685	-4.629	27.916	2.685	0.000%
42	5.345	-27.916	-0.001	-5.345	27.916	0.001	0.000%
43	4.763	-27.916	2.762	-4.763	27.916	-2.762	0.000%
44	3.170	-27.916	5.513	-3.170	27.916	-5.513	0.000%
45	-0.001	-27.916	5.574	0.001	27.916	-5.574	0.000%
46	-2.685	-27.916	4.671	2.685	27.916	-4.671	0.000%
47	-4.690	-27.916	2.721	4.690	27.916	-2.721	0.000%
48	-5.415	-27.916	0.001	5.415	27.916	-0.001	0.000%
49	-4.759	-27.916	-2.760	4.759	27.916	2.760	0.000%
50	-3.170	-27.916	-5.512	3.170	27.916	5.512	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00041594
3	Yes	5	0.00000001	0.00015429
4	Yes	7	0.00000001	0.00017691
5	Yes	6	0.00000001	0.00082756
6	Yes	7	0.00000001	0.00018257
7	Yes	6	0.00000001	0.00085560
8	Yes	6	0.00000001	0.00008728
9	Yes	5	0.00000001	0.00056157
10	Yes	7	0.00000001	0.00017830
11	Yes	6	0.00000001	0.00083310
12	Yes	7	0.00000001	0.00019310
13	Yes	6	0.00000001	0.00089327
14	Yes	5	0.00000001	0.00044510
15	Yes	5	0.00000001	0.00017232
16	Yes	7	0.00000001	0.00018149
17	Yes	6	0.00000001	0.00085036
18	Yes	7	0.00000001	0.00017637
19	Yes	6	0.00000001	0.00082502
20	Yes	6	0.00000001	0.00008185
21	Yes	5	0.00000001	0.00052546
22	Yes	7	0.00000001	0.00018321

23	Yes	6	0.00000001	0.00085655
24	Yes	7	0.00000001	0.00018630
25	Yes	6	0.00000001	0.00086055
26	Yes	4	0.00000001	0.00086525
27	Yes	7	0.00000001	0.00054623
28	Yes	7	0.00000001	0.00075071
29	Yes	7	0.00000001	0.00075529
30	Yes	7	0.00000001	0.00054368
31	Yes	7	0.00000001	0.00073964
32	Yes	7	0.00000001	0.00076803
33	Yes	7	0.00000001	0.00054010
34	Yes	7	0.00000001	0.00073627
35	Yes	7	0.00000001	0.00073105
36	Yes	7	0.00000001	0.00053851
37	Yes	7	0.00000001	0.00074558
38	Yes	7	0.00000001	0.00076230
39	Yes	5	0.00000001	0.00009166
40	Yes	5	0.00000001	0.00072193
41	Yes	5	0.00000001	0.00077989
42	Yes	5	0.00000001	0.00011735
43	Yes	5	0.00000001	0.00072745
44	Yes	5	0.00000001	0.00086249
45	Yes	5	0.00000001	0.00009143
46	Yes	5	0.00000001	0.00076441
47	Yes	5	0.00000001	0.00071099
48	Yes	5	0.00000001	0.00011656
49	Yes	5	0.00000001	0.00077954
50	Yes	5	0.00000001	0.00079004

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	98 - 93	20.280	50	1.948	0.002
L2	93 - 88	18.246	50	1.931	0.002
L3	88 - 82.79	16.251	50	1.872	0.002
L4	85.207 - 80.207	15.171	50	1.819	0.002
L5	80.207 - 75.207	13.301	50	1.740	0.002
L6	75.207 - 70.207	11.540	50	1.620	0.002
L7	70.207 - 65.207	9.916	50	1.479	0.001
L8	65.207 - 60.207	8.449	50	1.320	0.001
L9	60.207 - 59.17	7.157	50	1.145	0.001
L10	59.17 - 58.9	6.913	50	1.108	0.001
L11	58.9 - 58.75	6.850	50	1.102	0.001
L12	58.75 - 54	6.816	50	1.100	0.001
L13	54 - 53.75	5.768	50	1.006	0.001
L14	53.75 - 52.91	5.715	50	1.002	0.001
L15	52.91 - 52.66	5.541	50	0.985	0.001
L16	52.66 - 52.17	5.489	50	0.981	0.001
L17	52.17 - 51.92	5.389	50	0.974	0.001
L18	51.92 - 45.287	5.338	50	0.969	0.001
L19	48.704 - 44.287	4.707	50	0.905	0.001
L20	44.287 - 39.287	3.890	50	0.852	0.001
L21	39.287 - 34.287	3.052	50	0.750	0.001
L22	34.287 - 33.5	2.321	50	0.645	0.001
L23	33.5 - 33.25	2.216	50	0.629	0.001
L24	33.25 - 33	2.184	50	0.625	0.001
L25	33 - 32.75	2.151	50	0.622	0.001
L26	32.75 - 32	2.118	50	0.618	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L27	32 - 31.75	2.022	50	0.608	0.000
L28	31.75 - 28.5	1.991	50	0.603	0.000
L29	28.5 - 28.25	1.602	50	0.540	0.000
L30	28.25 - 27.5	1.574	50	0.536	0.000
L31	27.5 - 27.25	1.490	50	0.526	0.000
L32	27.25 - 22.25	1.463	50	0.521	0.000
L33	22.25 - 18	0.968	50	0.424	0.000
L34	18 - 17.75	0.628	50	0.341	0.000
L35	17.75 - 15.45	0.610	50	0.336	0.000
L36	15.45 - 15.2	0.462	50	0.279	0.000
L37	15.2 - 13.41	0.447	50	0.275	0.000
L38	13.41 - 13.16	0.349	50	0.248	0.000
L39	13.16 - 8.16	0.337	50	0.243	0.000
L40	8.16 - 6.5	0.132	50	0.149	0.000
L41	6.5 - 6.25	0.085	50	0.119	0.000
L42	6.25 - 4.45	0.079	50	0.115	0.000
L43	4.45 - 4.2	0.041	50	0.087	0.000
L44	4.2 - 0	0.036	50	0.083	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
98.000	Miscellaneous [NA 510-1]	50	20.280	1.948	0.002	7443
96.000	APXVTM14-ALU-I20 w/ Mount Pipe	50	19.464	1.944	0.002	7443
91.000	Miscellaneous [NA 510-1]	50	17.440	1.914	0.002	5080
89.000	APXV18-209014-C w/ Mount Pipe	50	16.645	1.888	0.002	4092
77.000	7770.00 w/ Mount Pipe	50	12.157	1.668	0.002	2341
67.000	(2) SBNHH-1D65B w/ Mount Pipe	50	8.956	1.378	0.001	1780
52.000	KS24019-L112A	50	5.354	0.971	0.001	3149
48.000	MX08FRO665-21 w/ Mount Pipe	50	4.573	0.895	0.001	3828

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	98 - 93	79.527	24	7.663	0.006
L2	93 - 88	71.561	24	7.599	0.006
L3	88 - 82.79	63.752	24	7.365	0.006
L4	85.207 - 80.207	59.521	24	7.157	0.006
L5	80.207 - 75.207	52.192	24	6.844	0.006
L6	75.207 - 70.207	45.291	24	6.374	0.006
L7	70.207 - 65.207	38.922	24	5.815	0.006
L8	65.207 - 60.207	33.170	24	5.191	0.005
L9	60.207 - 59.17	28.100	24	4.501	0.004
L10	59.17 - 58.9	27.140	24	4.354	0.003
L11	58.9 - 58.75	26.895	24	4.334	0.003
L12	58.75 - 54	26.759	24	4.323	0.003
L13	54 - 53.75	22.646	24	3.956	0.003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L14	53.75 - 52.91	22.440	24	3.937	0.003
L15	52.91 - 52.66	21.754	24	3.872	0.003
L16	52.66 - 52.17	21.552	24	3.857	0.003
L17	52.17 - 51.92	21.158	24	3.828	0.003
L18	51.92 - 45.287	20.958	24	3.809	0.003
L19	48.704 - 44.287	18.480	24	3.558	0.003
L20	44.287 - 39.287	15.275	24	3.347	0.003
L21	39.287 - 34.287	11.982	24	2.946	0.002
L22	34.287 - 33.5	9.114	24	2.535	0.002
L23	33.5 - 33.25	8.702	24	2.470	0.002
L24	33.25 - 33	8.573	24	2.456	0.002
L25	33 - 32.75	8.445	24	2.443	0.002
L26	32.75 - 32	8.317	24	2.429	0.002
L27	32 - 31.75	7.939	24	2.387	0.002
L28	31.75 - 28.5	7.815	24	2.368	0.002
L29	28.5 - 28.25	6.288	24	2.120	0.002
L30	28.25 - 27.5	6.178	24	2.107	0.002
L31	27.5 - 27.25	5.850	24	2.067	0.002
L32	27.25 - 22.25	5.742	24	2.048	0.002
L33	22.25 - 18	3.799	24	1.665	0.001
L34	18 - 17.75	2.464	24	1.337	0.001
L35	17.75 - 15.45	2.395	24	1.319	0.001
L36	15.45 - 15.2	1.813	24	1.096	0.001
L37	15.2 - 13.41	1.756	24	1.080	0.001
L38	13.41 - 13.16	1.371	24	0.972	0.001
L39	13.16 - 8.16	1.321	24	0.953	0.001
L40	8.16 - 6.5	0.516	24	0.585	0.000
L41	6.5 - 6.25	0.334	24	0.467	0.000
L42	6.25 - 4.45	0.309	24	0.451	0.000
L43	4.45 - 4.2	0.160	24	0.343	0.000
L44	4.2 - 0	0.142	24	0.324	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
98.000	Miscellaneous [NA 510-1]	24	79.527	7.663	0.006	1954
96.000	APXVTM14-ALU-I20 w/ Mount Pipe	24	76.333	7.648	0.006	1954
91.000	Miscellaneous [NA 510-1]	24	68.408	7.531	0.006	1332
89.000	APXV18-209014-C w/ Mount Pipe	24	65.292	7.430	0.006	1072
77.000	7770.00 w/ Mount Pipe	24	47.709	6.560	0.006	609
67.000	(2) SBNHH-1D65B w/ Mount Pipe	24	35.158	5.418	0.005	459
52.000	KS24019-L112A	24	21.022	3.815	0.003	808
48.000	MX08FRO665-21 w/ Mount Pipe	24	17.954	3.518	0.003	981

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	98 - 93 (1)	TP13.078x12x0.188	5.000	0.000	0.0	7.672	-3.397	448.789	0.008
L2	93 - 88 (2)	TP14.156x13.078x0.188	5.000	0.000	0.0	8.313	-6.116	486.327	0.013
L3	88 - 82.79 (3)	TP15.28x14.156x0.188	5.210	0.000	0.0	8.672	-6.255	507.296	0.012
L4	82.79 - 80.207 (4)	TP15.445x14.384x0.25	5.000	0.000	0.0	12.058	-6.653	705.368	0.009
L5	80.207 - 75.207 (5)	TP16.507x15.445x0.25	5.000	0.000	0.0	12.900	-10.262	754.650	0.014
L6	75.207 - 70.207 (6)	TP17.569x16.507x0.25	5.000	0.000	0.0	13.742	-10.739	803.931	0.013
L7	70.207 - 65.207 (7)	TP18.63x17.569x0.25	5.000	0.000	0.0	14.585	-14.510	853.213	0.017
L8	65.207 - 60.207 (8)	TP19.692x18.63x0.25	5.000	0.000	0.0	15.427	-15.156	902.494	0.017
L9	60.207 - 59.17 (9)	TP19.912x19.692x0.25	1.037	0.000	0.0	15.602	-15.293	912.715	0.017
L10	59.17 - 58.9 (10)	TP19.97x19.912x0.513	0.270	0.000	0.0	31.650	-15.358	1851.540	0.008
L11	58.9 - 58.75 (11)	TP20.001x19.97x0.513	0.150	0.000	0.0	31.702	-15.385	1854.570	0.008
L12	58.75 - 54 (12)	TP21.01x20.001x0.5	4.750	0.000	0.0	32.549	-16.185	1904.140	0.008
L13	54 - 53.75 (13)	TP21.063x21.01x0.513	0.250	0.000	0.0	33.429	-16.246	1955.600	0.008
L14	53.75 - 52.91 (14)	TP21.241x21.063x0.5	0.840	0.000	0.0	32.917	-16.407	1925.620	0.009
L15	52.91 - 52.66 (15)	TP21.294x21.241x0.675	0.250	0.000	0.0	44.176	-16.468	2584.310	0.006
L16	52.66 - 52.17 (16)	TP21.399x21.294x0.675	0.490	0.000	0.0	44.399	-16.571	2597.350	0.006
L17	52.17 - 51.92 (17)	TP21.452x21.399x0.525	0.250	0.000	0.0	34.871	-16.703	2039.960	0.008
L18	51.92 - 45.287 (18)	TP22.86x21.452x0.513	6.633	0.000	0.0	35.172	-17.347	2057.560	0.008
L19	45.287 - 44.287 (19)	TP22.575x21.634x0.563	4.417	0.000	0.0	39.300	-21.890	2299.030	0.010
L20	44.287 - 39.287 (20)	TP23.639x22.575x0.55	5.000	0.000	0.0	40.306	-23.055	2357.890	0.010
L21	39.287 - 34.287 (21)	TP24.703x23.639x0.538	5.000	0.000	0.0	41.227	-24.253	2411.760	0.010
L22	34.287 - 33.5 (22)	TP24.87x24.703x0.525	0.787	0.000	0.0	40.568	-24.449	2373.220	0.010
L23	33.5 - 33.25 (23)	TP24.923x24.87x0.838	0.250	0.000	0.0	64.026	-24.537	3745.520	0.007
L24	33.25 - 33 (24)	TP24.977x24.923x0.838	0.250	0.000	0.0	64.167	-24.614	3753.800	0.007
L25	33 - 32.75 (25)	TP25.03x24.977x0.813	0.250	0.000	0.0	62.454	-24.684	3653.540	0.007
L26	32.75 - 32 (26)	TP25.19x25.03x0.8	0.750	0.000	0.0	61.930	-24.892	3622.900	0.007
L27	32 - 31.75 (27)	TP25.243x25.19x0.588	0.250	0.000	0.0	45.975	-24.956	2689.550	0.009
L28	31.75 - 28.5 (28)	TP25.934x25.243x0.575	3.250	0.000	0.0	46.282	-25.720	2707.510	0.009
L29	28.5 - 28.25 (29)	TP25.988x25.934x0.863	0.250	0.000	0.0	68.782	-25.810	4023.740	0.006
L30	28.25 - 27.5 (30)	TP26.147x25.988x0.85	0.750	0.000	0.0	68.249	-26.035	3992.590	0.007
L31	27.5 - 27.25 (31)	TP26.2x26.147x0.575	0.250	0.000	0.0	46.768	-26.100	2735.910	0.010
L32	27.25 - 22.25 (32)	TP27.265x26.2x0.563	5.000	0.000	0.0	47.673	-27.312	2788.890	0.010
L33	22.25 - 18 (33)	TP28.169x27.265x0.55	4.250	0.000	0.0	48.215	-28.375	2820.560	0.010
L34	18 - 17.75 (34)	TP28.222x28.169x0.563	0.250	0.000	0.0	49.383	-28.458	2888.910	0.010
L35	17.75 - 15.45 (35)	TP28.712x28.222x0.425	2.300	0.000	0.0	38.158	-29.046	2232.210	0.013

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L36	15.45 - 15.2 (36)	TP28.765x28.712x0.688	0.250	0.000	0.0	61.269	-29.141	3584.220	0.008
L37	15.2 - 13.41 (37)	TP29.146x28.765x0.675	1.790	0.000	0.0	60.998	-29.660	3568.360	0.008
L38	13.41 - 13.16 (38)	TP29.199x29.146x0.563	0.250	0.000	0.0	51.127	-29.749	2990.940	0.010
L39	13.16 - 8.16 (39)	TP30.263x29.199x0.55	5.000	0.000	0.0	51.871	-31.160	3034.430	0.010
L40	8.16 - 6.5 (40)	TP30.617x30.263x0.55	1.660	0.000	0.0	52.487	-31.630	3070.510	0.010
L41	6.5 - 6.25 (41)	TP30.67x30.617x0.663	0.250	0.000	0.0	63.099	-31.729	3691.270	0.009
L42	6.25 - 4.45 (42)	TP31.053x30.67x0.65	1.800	0.000	0.0	62.724	-32.267	3669.370	0.009
L43	4.45 - 4.2 (43)	TP31.106x31.053x0.513	0.250	0.000	0.0	49.766	-32.354	2911.300	0.011
L44	4.2 - 0 (44)	TP32x31.106x0.5	4.200	0.000	0.0	49.991	-33.481	2924.440	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	98 - 93 (1)	TP13.078x12x0.188	17.952	150.088	0.120	0.000	150.088	0.000
L2	93 - 88 (2)	TP14.156x13.078x0.188	46.346	176.441	0.263	0.000	176.441	0.000
L3	88 - 82.79 (3)	TP15.28x14.156x0.188	68.123	192.089	0.355	0.000	192.089	0.000
L4	82.79 - 80.207 (4)	TP15.445x14.384x0.25	107.869	277.548	0.389	0.000	277.548	0.000
L5	80.207 - 75.207 (5)	TP16.507x15.445x0.25	155.982	318.022	0.490	0.000	318.022	0.000
L6	75.207 - 70.207 (6)	TP17.569x16.507x0.25	218.090	361.249	0.604	0.000	361.249	0.000
L7	70.207 - 65.207 (7)	TP18.63x17.569x0.25	287.975	407.231	0.707	0.000	407.231	0.000
L8	65.207 - 60.207 (8)	TP19.692x18.63x0.25	371.209	455.967	0.814	0.000	455.967	0.000
L9	60.207 - 59.17 (9)	TP19.912x19.692x0.25	388.679	466.420	0.833	0.000	466.420	0.000
L10	59.17 - 58.9 (10)	TP19.97x19.912x0.513	393.241	923.883	0.426	0.000	923.883	0.000
L11	58.9 - 58.75 (11)	TP20.001x19.97x0.513	395.778	926.950	0.427	0.000	926.950	0.000
L12	58.75 - 54 (12)	TP21.01x20.001x0.5	477.200	1003.458	0.476	0.000	1003.458	0.000
L13	54 - 53.75 (13)	TP21.063x21.01x0.513	481.543	1032.050	0.467	0.000	1032.050	0.000
L14	53.75 - 52.91 (14)	TP21.241x21.063x0.5	496.184	1026.500	0.483	0.000	1026.500	0.000
L15	52.91 - 52.66 (15)	TP21.294x21.241x0.675	500.555	1358.092	0.369	0.000	1358.092	0.000
L16	52.66 - 52.17 (16)	TP21.399x21.294x0.675	509.141	1372.050	0.371	0.000	1372.050	0.000
L17	52.17 - 51.92 (17)	TP21.452x21.399x0.525	513.547	1096.117	0.469	0.000	1096.117	0.000
L18	51.92 - 45.287 (18)	TP22.86x21.452x0.513	570.801	1143.850	0.499	0.000	1143.850	0.000
L19	45.287 - 44.287 (19)	TP22.575x21.634x0.563	661.094	1298.800	0.509	0.000	1298.800	0.000
L20	44.287 - 39.287 (20)	TP23.639x22.575x0.55	767.668	1399.575	0.549	0.000	1399.575	0.000
L21	39.287 - 34.287 (21)	TP24.703x23.639x0.538	876.583	1500.608	0.584	0.000	1500.608	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L22	34.287 - 33.5 (22)	TP24.87x24.703x0.525	893.942	1488.617	0.601	0.000	1488.617	0.000
L23	33.5 - 33.25 (23)	TP24.923x24.87x0.838	899.458	2294.717	0.392	0.000	2294.717	0.000
L24	33.25 - 33 (24)	TP24.977x24.923x0.838	904.992	2305.033	0.393	0.000	2305.033	0.000
L25	33 - 32.75 (25)	TP25.03x24.977x0.813	910.533	2253.233	0.404	0.000	2253.233	0.000
L26	32.75 - 32 (26)	TP25.19x25.03x0.8	927.183	2251.850	0.412	0.000	2251.850	0.000
L27	32 - 31.75 (27)	TP25.243x25.19x0.588	932.750	1704.742	0.547	0.000	1704.742	0.000
L28	31.75 - 28.5 (28)	TP25.934x25.243x0.575	1005.558	1767.133	0.569	0.000	1767.133	0.000
L29	28.5 - 28.25 (29)	TP25.988x25.934x0.863	1011.200	2572.625	0.393	0.000	2572.625	0.000
L30	28.25 - 27.5 (30)	TP26.147x25.988x0.85	1028.150	2572.008	0.400	0.000	2572.008	0.000
L31	27.5 - 27.25 (31)	TP26.2x26.147x0.575	1033.817	1804.817	0.573	0.000	1804.817	0.000
L32	27.25 - 22.25 (32)	TP27.265x26.2x0.563	1148.142	1919.633	0.598	0.000	1919.633	0.000
L33	22.25 - 18 (33)	TP28.169x27.265x0.55	1246.892	2010.375	0.620	0.000	2010.375	0.000
L34	18 - 17.75 (34)	TP28.222x28.169x0.563	1252.750	2061.283	0.608	0.000	2061.283	0.000
L35	17.75 - 15.45 (35)	TP28.712x28.222x0.425	1306.800	1637.342	0.798	0.000	1637.342	0.000
L36	15.45 - 15.2 (36)	TP28.765x28.712x0.688	1312.692	2585.492	0.508	0.000	2585.492	0.000
L37	15.2 - 13.41 (37)	TP29.146x28.765x0.675	1355.067	2612.108	0.519	0.000	2612.108	0.000
L38	13.41 - 13.16 (38)	TP29.199x29.146x0.563	1361.008	2210.950	0.616	0.000	2210.950	0.000
L39	13.16 - 8.16 (39)	TP30.263x29.199x0.55	1480.800	2330.017	0.636	0.000	2330.017	0.000
L40	8.16 - 6.5 (40)	TP30.617x30.263x0.55	1520.992	2386.267	0.637	0.000	2386.267	0.000
L41	6.5 - 6.25 (41)	TP30.67x30.617x0.663	1527.067	2852.433	0.535	0.000	2852.433	0.000
L42	6.25 - 4.45 (42)	TP31.053x30.67x0.65	1570.933	2874.850	0.546	0.000	2874.850	0.000
L43	4.45 - 4.2 (43)	TP31.106x31.053x0.513	1577.050	2305.683	0.684	0.000	2305.683	0.000
L44	4.2 - 0 (44)	TP32x31.106x0.5	1680.458	2386.767	0.704	0.000	2386.767	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	98 - 93 (1)	TP13.078x12x0.188	4.567	134.637	0.034	0.000	151.992	0.000
L2	93 - 88 (2)	TP14.156x13.078x0.188	7.753	145.898	0.053	0.001	178.482	0.000
L3	88 - 82.79 (3)	TP15.28x14.156x0.188	7.850	152.189	0.052	0.001	194.205	0.000
L4	82.79 - 80.207 (4)	TP15.445x14.384x0.25	8.049	211.610	0.038	0.001	281.598	0.000
L5	80.207 - 75.207 (5)	TP16.507x15.445x0.25	12.358	226.395	0.055	0.002	322.322	0.000
L6	75.207 - 70.207 (6)	TP17.569x16.507x0.25	12.504	241.179	0.052	0.002	365.794	0.000
L7	70.207 - 65.207 (7)	TP18.63x17.569x0.25	16.499	255.964	0.064	0.186	412.015	0.000
L8	65.207 - 60.207 (8)	TP19.692x18.63x0.25	16.830	270.748	0.062	0.268	460.986	0.001
L9	60.207 - 59.17 (9)	TP19.912x19.692x0.25	16.903	273.815	0.062	0.277	471.487	0.001

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L10	59.17 - 58.9 (10)	TP19.97x19.912x0.513	16.911	555.463	0.030	0.279	946.483	0.000
L11	58.9 - 58.75 (11)	TP20.001x19.97x0.513	16.925	556.372	0.030	0.281	949.583	0.000
L12	58.75 - 54 (12)	TP21.01x20.001x0.5	17.377	571.241	0.030	0.333	1026.042	0.000
L13	54 - 53.75 (13)	TP21.063x21.01x0.513	17.392	586.680	0.030	0.337	1055.858	0.000
L14	53.75 - 52.91 (14)	TP21.241x21.063x0.5	17.480	577.687	0.030	0.349	1049.325	0.000
L15	52.91 - 52.66 (15)	TP21.294x21.241x0.675	17.500	775.293	0.023	0.353	1399.983	0.000
L16	52.66 - 52.17 (16)	TP21.399x21.294x0.675	17.552	779.205	0.023	0.360	1414.150	0.000
L17	52.17 - 51.92 (17)	TP21.452x21.399x0.525	17.648	611.987	0.029	0.360	1121.558	0.000
L18	51.92 - 45.287 (18)	TP22.86x21.452x0.513	17.975	617.267	0.029	0.252	1168.825	0.000
L19	45.287 - 44.287 (19)	TP22.575x21.634x0.563	21.093	689.710	0.031	0.408	1329.558	0.000
L20	44.287 - 39.287 (20)	TP23.639x22.575x0.55	21.570	707.368	0.030	0.498	1430.292	0.000
L21	39.287 - 34.287 (21)	TP24.703x23.639x0.538	22.032	723.527	0.030	0.578	1531.183	0.000
L22	34.287 - 33.5 (22)	TP24.87x24.703x0.525	22.100	711.965	0.031	0.587	1517.933	0.000
L23	33.5 - 33.25 (23)	TP24.923x24.87x0.838	22.115	1123.660	0.020	0.590	2370.167	0.000
L24	33.25 - 33 (24)	TP24.977x24.923x0.838	22.142	1126.140	0.020	0.593	2380.650	0.000
L25	33 - 32.75 (25)	TP25.03x24.977x0.813	22.167	1096.060	0.020	0.596	2324.575	0.000
L26	32.75 - 32 (26)	TP25.19x25.03x0.8	22.250	1086.870	0.020	0.604	2321.458	0.000
L27	32 - 31.75 (27)	TP25.243x25.19x0.588	22.268	806.865	0.028	0.607	1742.167	0.000
L28	31.75 - 28.5 (28)	TP25.934x25.243x0.575	22.564	812.253	0.028	0.632	1803.892	0.000
L29	28.5 - 28.25 (29)	TP25.988x25.934x0.863	22.573	1207.120	0.019	0.634	2656.075	0.000
L30	28.25 - 27.5 (30)	TP26.147x25.988x0.85	22.651	1197.780	0.019	0.639	2653.567	0.000
L31	27.5 - 27.25 (31)	TP26.2x26.147x0.575	22.668	820.774	0.028	0.641	1841.942	0.000
L32	27.25 - 22.25 (32)	TP27.265x26.2x0.563	23.087	836.666	0.028	0.683	1956.492	0.000
L33	22.25 - 18 (33)	TP28.169x27.265x0.55	23.424	846.168	0.028	0.738	2046.658	0.000
L34	18 - 17.75 (34)	TP28.222x28.169x0.563	23.429	866.674	0.027	0.742	2099.350	0.000
L35	17.75 - 15.45 (35)	TP28.712x28.222x0.425	23.606	669.664	0.035	0.780	1658.900	0.000
L36	15.45 - 15.2 (36)	TP28.765x28.712x0.688	23.603	1075.270	0.022	0.784	2643.958	0.000
L37	15.2 - 13.41 (37)	TP29.146x28.765x0.675	23.777	1070.510	0.022	0.814	2669.150	0.000
L38	13.41 - 13.16 (38)	TP29.199x29.146x0.563	23.772	897.283	0.026	0.818	2250.258	0.000
L39	13.16 - 8.16 (39)	TP30.263x29.199x0.55	24.169	910.328	0.027	0.888	2368.808	0.000
L40	8.16 - 6.5 (40)	TP30.617x30.263x0.55	24.310	921.152	0.026	0.916	2425.475	0.000
L41	6.5 - 6.25 (41)	TP30.67x30.617x0.663	24.303	1107.380	0.022	0.920	2910.075	0.000
L42	6.25 - 4.45 (42)	TP31.053x30.67x0.65	24.480	1100.810	0.022	0.950	2930.950	0.000
L43	4.45 - 4.2 (43)	TP31.106x31.053x0.513	24.473	873.391	0.028	0.954	2340.025	0.000
L44	4.2 - 0 (44)	TP32x31.106x0.5	24.801	877.333	0.028	1.021	2420.225	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	98 - 93 (1)	0.008	0.120	0.000	0.034	0.000	0.128 ✔	1.050	4.8.2 ✔
L2	93 - 88 (2)	0.013	0.263	0.000	0.053	0.000	0.278 ✔	1.050	4.8.2 ✔
L3	88 - 82.79 (3)	0.012	0.355	0.000	0.052	0.000	0.370 ✔	1.050	4.8.2 ✔
L4	82.79 - 80.207 (4)	0.009	0.389	0.000	0.038	0.000	0.400 ✔	1.050	4.8.2 ✔
L5	80.207 - 75.207 (5)	0.014	0.490	0.000	0.055	0.000	0.507 ✔	1.050	4.8.2 ✔
L6	75.207 - 70.207 (6)	0.013	0.604	0.000	0.052	0.000	0.620 ✔	1.050	4.8.2 ✔
L7	70.207 - 65.207 (7)	0.017	0.707	0.000	0.064	0.000	0.728 ✔	1.050	4.8.2 ✔
L8	65.207 - 60.207 (8)	0.017	0.814	0.000	0.062	0.001	0.835 ✔	1.050	4.8.2 ✔
L9	60.207 - 59.17 (9)	0.017	0.833	0.000	0.062	0.001	0.854 ✔	1.050	4.8.2 ✔
L10	59.17 - 58.9 (10)	0.008	0.426	0.000	0.030	0.000	0.435 ✔	1.050	4.8.2 ✔
L11	58.9 - 58.75 (11)	0.008	0.427	0.000	0.030	0.000	0.436 ✔	1.050	4.8.2 ✔
L12	58.75 - 54 (12)	0.008	0.476	0.000	0.030	0.000	0.485 ✔	1.050	4.8.2 ✔
L13	54 - 53.75 (13)	0.008	0.467	0.000	0.030	0.000	0.476 ✔	1.050	4.8.2 ✔
L14	53.75 - 52.91 (14)	0.009	0.483	0.000	0.030	0.000	0.493 ✔	1.050	4.8.2 ✔
L15	52.91 - 52.66 (15)	0.006	0.369	0.000	0.023	0.000	0.375 ✔	1.050	4.8.2 ✔
L16	52.66 - 52.17 (16)	0.006	0.371	0.000	0.023	0.000	0.378 ✔	1.050	4.8.2 ✔
L17	52.17 - 51.92 (17)	0.008	0.469	0.000	0.029	0.000	0.478 ✔	1.050	4.8.2 ✔
L18	51.92 - 45.287 (18)	0.008	0.499	0.000	0.029	0.000	0.508 ✔	1.050	4.8.2 ✔
L19	45.287 - 44.287 (19)	0.010	0.509	0.000	0.031	0.000	0.519 ✔	1.050	4.8.2 ✔
L20	44.287 - 39.287 (20)	0.010	0.549	0.000	0.030	0.000	0.559 ✔	1.050	4.8.2 ✔
L21	39.287 - 34.287 (21)	0.010	0.584	0.000	0.030	0.000	0.595 ✔	1.050	4.8.2 ✔
L22	34.287 - 33.5 (22)	0.010	0.601	0.000	0.031	0.000	0.612 ✔	1.050	4.8.2 ✔
L23	33.5 - 33.25 (23)	0.007	0.392	0.000	0.020	0.000	0.399 ✔	1.050	4.8.2 ✔
L24	33.25 - 33 (24)	0.007	0.393	0.000	0.020	0.000	0.400	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L25	33 - 32.75 (25)	0.007	0.404	0.000	0.020	0.000	0.411	1.050	4.8.2
L26	32.75 - 32 (26)	0.007	0.412	0.000	0.020	0.000	0.419	1.050	4.8.2
L27	32 - 31.75 (27)	0.009	0.547	0.000	0.028	0.000	0.557	1.050	4.8.2
L28	31.75 - 28.5 (28)	0.009	0.569	0.000	0.028	0.000	0.579	1.050	4.8.2
L29	28.5 - 28.25 (29)	0.006	0.393	0.000	0.019	0.000	0.400	1.050	4.8.2
L30	28.25 - 27.5 (30)	0.007	0.400	0.000	0.019	0.000	0.407	1.050	4.8.2
L31	27.5 - 27.25 (31)	0.010	0.573	0.000	0.028	0.000	0.583	1.050	4.8.2
L32	27.25 - 22.25 (32)	0.010	0.598	0.000	0.028	0.000	0.609	1.050	4.8.2
L33	22.25 - 18 (33)	0.010	0.620	0.000	0.028	0.000	0.631	1.050	4.8.2
L34	18 - 17.75 (34)	0.010	0.608	0.000	0.027	0.000	0.618	1.050	4.8.2
L35	17.75 - 15.45 (35)	0.013	0.798	0.000	0.035	0.000	0.812	1.050	4.8.2
L36	15.45 - 15.2 (36)	0.008	0.508	0.000	0.022	0.000	0.516	1.050	4.8.2
L37	15.2 - 13.41 (37)	0.008	0.519	0.000	0.022	0.000	0.528	1.050	4.8.2
L38	13.41 - 13.16 (38)	0.010	0.616	0.000	0.026	0.000	0.626	1.050	4.8.2
L39	13.16 - 8.16 (39)	0.010	0.636	0.000	0.027	0.000	0.647	1.050	4.8.2
L40	8.16 - 6.5 (40)	0.010	0.637	0.000	0.026	0.000	0.648	1.050	4.8.2
L41	6.5 - 6.25 (41)	0.009	0.535	0.000	0.022	0.000	0.544	1.050	4.8.2
L42	6.25 - 4.45 (42)	0.009	0.546	0.000	0.022	0.000	0.556	1.050	4.8.2
L43	4.45 - 4.2 (43)	0.011	0.684	0.000	0.028	0.000	0.696	1.050	4.8.2
L44	4.2 - 0 (44)	0.011	0.704	0.000	0.028	0.000	0.716	1.050	4.8.2

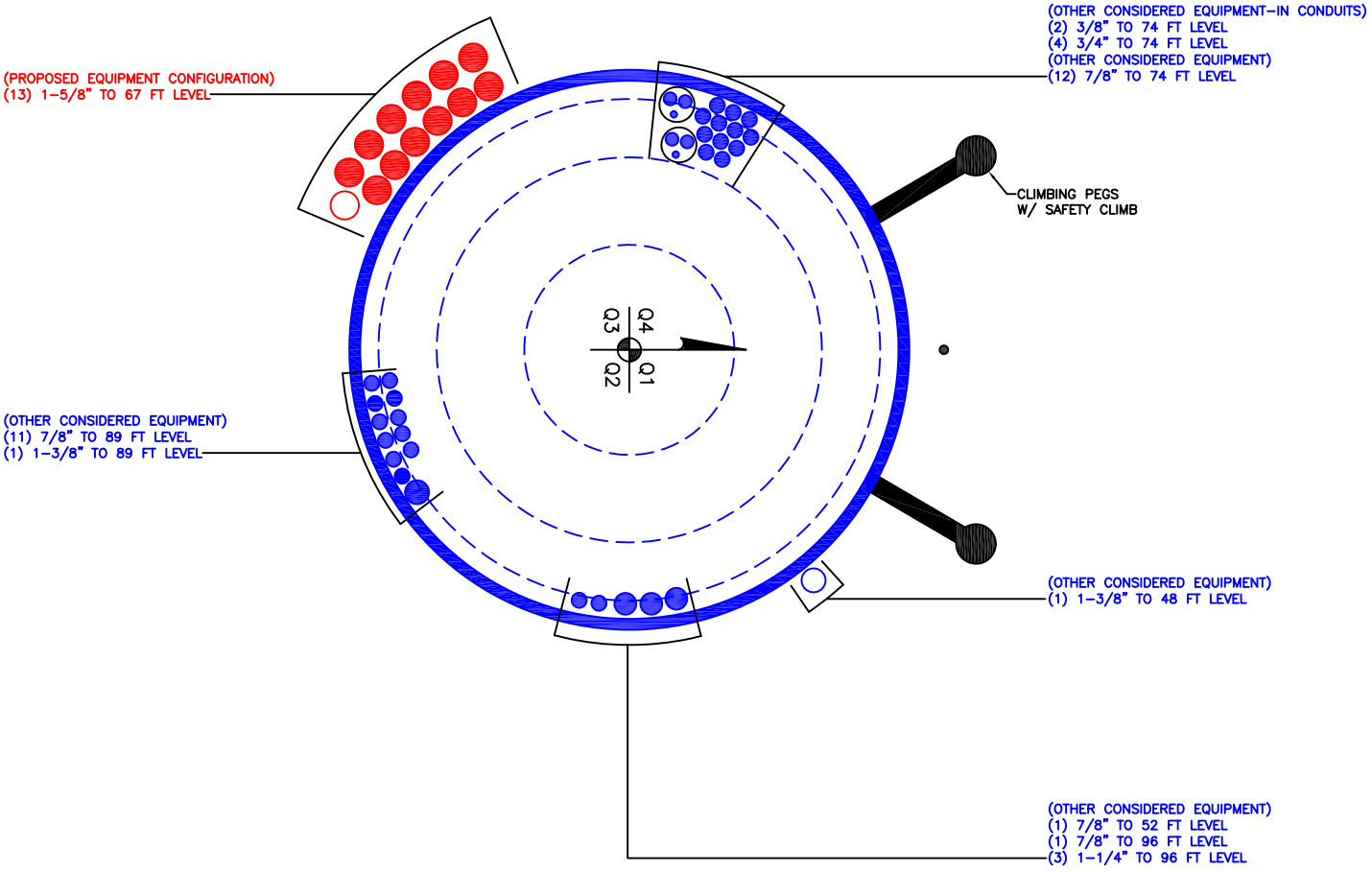
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	98 - 93	Pole	TP13.078x12x0.188	1	-3.397	471.228	**	**
L2	93 - 88	Pole	TP14.156x13.078x0.188	2	-6.116	510.643	**	**
L3	88 - 82.79	Pole	TP15.28x14.156x0.188	3	-6.255	532.661	**	**
L4	82.79 - 80.207	Pole	TP15.445x14.384x0.25	4	-6.653	740.636	**	**
L5	80.207 - 75.207	Pole	TP16.507x15.445x0.25	5	-10.262	792.382	**	**
L6	75.207 - 70.207	Pole	TP17.569x16.507x0.25	6	-10.739	844.128	**	**
L7	70.207 - 65.207	Pole	TP18.63x17.569x0.25	7	-14.510	895.874	**	**
L8	65.207 - 60.207	Pole	TP19.692x18.63x0.25	8	-15.156	947.619	**	**
L9	60.207 - 59.17	Pole	TP19.912x19.692x0.25	9	-15.293	958.351	**	**
L10	59.17 - 58.9	Pole	TP19.97x19.912x0.513	10	-15.358	1944.117	**	**
L11	58.9 - 58.75	Pole	TP20.001x19.97x0.513	11	-15.385	1947.298	**	**
L12	58.75 - 54	Pole	TP21.01x20.001x0.5	12	-16.185	1999.347	**	**
L13	54 - 53.75	Pole	TP21.063x21.01x0.513	13	-16.246	2053.380	**	**
L14	53.75 - 52.91	Pole	TP21.241x21.063x0.5	14	-16.407	2021.901	**	**
L15	52.91 - 52.66	Pole	TP21.294x21.241x0.675	15	-16.468	2713.525	**	**
L16	52.66 - 52.17	Pole	TP21.399x21.294x0.675	16	-16.571	2727.217	**	**
L17	52.17 - 51.92	Pole	TP21.452x21.399x0.525	17	-16.703	2141.958	**	**
L18	51.92 - 45.287	Pole	TP22.86x21.452x0.513	18	-17.347	2160.438	**	**
L19	45.287 - 44.287	Pole	TP22.575x21.634x0.563	19	-21.890	2413.981	**	**
L20	44.287 - 39.287	Pole	TP23.639x22.575x0.55	20	-23.055	2475.784	**	**
L21	39.287 - 34.287	Pole	TP24.703x23.639x0.538	21	-24.253	2532.348	**	**
L22	34.287 - 33.5	Pole	TP24.87x24.703x0.525	22	-24.449	2491.881	**	**
L23	33.5 - 33.25	Pole	TP24.923x24.87x0.838	23	-24.537	3932.796	**	**
L24	33.25 - 33	Pole	TP24.977x24.923x0.838	24	-24.614	3941.490	**	**
L25	33 - 32.75	Pole	TP25.03x24.977x0.813	25	-24.684	3836.217	**	**
L26	32.75 - 32	Pole	TP25.19x25.03x0.8	26	-24.892	3804.045	**	**
L27	32 - 31.75	Pole	TP25.243x25.19x0.588	27	-24.956	2824.027	**	**
L28	31.75 - 28.5	Pole	TP25.934x25.243x0.575	28	-25.720	2842.885	**	**
L29	28.5 - 28.25	Pole	TP25.988x25.934x0.863	29	-25.810	4224.927	**	**
L30	28.25 - 27.5	Pole	TP26.147x25.988x0.85	30	-26.035	4192.219	**	**
L31	27.5 - 27.25	Pole	TP26.2x26.147x0.575	31	-26.100	2872.705	**	**
L32	27.25 - 22.25	Pole	TP27.265x26.2x0.563	32	-27.312	2928.334	**	**
L33	22.25 - 18	Pole	TP28.169x27.265x0.55	33	-28.375	2961.588	**	**
L34	18 - 17.75	Pole	TP28.222x28.169x0.563	34	-28.458	3033.355	**	**
L35	17.75 - 15.45	Pole	TP28.712x28.222x0.425	35	-29.046	2343.820	**	**
L36	15.45 - 15.2	Pole	TP28.765x28.712x0.688	36	-29.141	3763.431	**	**
L37	15.2 - 13.41	Pole	TP29.146x28.765x0.675	37	-29.660	3746.778	**	**
L38	13.41 - 13.16	Pole	TP29.199x29.146x0.563	38	-29.749	3140.487	**	**
L39	13.16 - 8.16	Pole	TP30.263x29.199x0.55	39	-31.160	3186.151	**	**
L40	8.16 - 6.5	Pole	TP30.617x30.263x0.55	40	-31.630	3224.035	**	**
L41	6.5 - 6.25	Pole	TP30.67x30.617x0.663	41	-31.729	3875.833	**	**
L42	6.25 - 4.45	Pole	TP31.053x30.67x0.65	42	-32.267	3852.838	**	**
L43	4.45 - 4.2	Pole	TP31.106x31.053x0.513	43	-32.354	3056.865	**	**
L44	4.2 - 0	Pole	TP32x31.106x0.5	44	-33.481	3070.662	**	**
							Summary	
						Pole (L9)	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876399

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876399

Work Order: 2028625

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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	98	15.21	2.417	18	12	15.28	0.1875	Auto	A572-65
2	85.207	39.92	3.417	18	14.38	22.86	0.25	Auto	A572-65
3	48.704	48.704	0	18	21.63	32	0.3125	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	6.5	plate	MS-600 W(1.1875")	1												E2						
2	0	28.5	plate	MS-600 W(1.1875")	1																		E2
3	0	28.5	plate	MS-600 (1.1875")	1						E2												
4	4.45	15.45	plate	MS-600 (1.1875")	1											E2							
5	13.41	28.5	plate	MS-600 (1.1875")	1												E2						
6	27.5	33.5	plate	MS-600 (1.1875")	3					E2						E2						E2	
7	32	48.25	plate	MS-450 (1.1875")	1												E2						
8	32	59	plate	MS-450 (1.1875")	2						E2												E2
9	47.41	52.91	plate	MS-450 (1.1875")	1											E2							
10	52.17	59.17	plate	MS-450 (1.1875")	1												E2						
11	0	18	plate	CCI-WSFP-050125	1															E4			
12	33	54	plate	CCI-SFP-050125	1															E4			
13																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	6	1	6	0.5	Welded	n/a	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
2	6	1	6	0.5	Welded	n/a	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
3	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
6	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
7	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
8	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
9	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
10	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
11	5	1.25	6.25	0.625	Welded	n/a	PC 8.8 - M20 (100)	24.000	23.000	4.688	1.1875	A572-65
12	5	1.25	6.25	0.625	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	23.000	4.688	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
MS-600	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
W(1.1875")	Bottom	-	-	-	-	70	None	-	-	-	-	30	0.375	-

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	98 - 93	5		18	12.000	13.078	0.1875	A572-65	1.000
2	93 - 88	5		18	13.078	14.156	0.1875	A572-65	1.000
3	88 - 85.207	5.21	2.417	18	14.156	15.280	0.1875	A572-65	1.000
4	85.207 - 80.207	5		18	14.384	15.445	0.25	A572-65	1.000
5	80.207 - 75.207	5		18	15.445	16.507	0.25	A572-65	1.000
6	75.207 - 70.207	5		18	16.507	17.569	0.25	A572-65	1.000
7	70.207 - 65.207	5		18	17.569	18.630	0.25	A572-65	1.000
8	65.207 - 60.207	5		18	18.630	19.692	0.25	A572-65	1.000
9	60.207 - 59.17	1.037		18	19.692	19.912	0.25	A572-65	1.000
10	59.17 - 58.9	0.27		18	19.912	19.970	0.5125	A572-65	0.921
11	58.9 - 58.75	0.15		18	19.970	20.001	0.5125	A572-65	0.920
12	58.75 - 54	4.75		18	20.001	21.010	0.5	A572-65	0.921
13	54 - 53.75	0.25		18	21.010	21.063	0.5125	A572-65	1.085
14	53.75 - 52.91	0.84		18	21.063	21.241	0.5	A572-65	1.106
15	52.91 - 52.66	0.25		18	21.241	21.294	0.675	A572-65	0.927
16	52.66 - 52.17	0.49		18	21.294	21.399	0.675	A572-65	0.924
17	52.17 - 51.92	0.25		18	21.399	21.452	0.525	A572-65	1.049
18	51.92 - 48.704	6.633	3.417	18	21.452	22.860	0.5125	A572-65	1.055
19	48.704 - 44.287	4.417		18	21.634	22.575	0.5625	A572-65	1.064
20	44.287 - 39.287	5		18	22.575	23.639	0.55	A572-65	1.064
21	39.287 - 34.287	5		18	23.639	24.703	0.5375	A572-65	1.066
22	34.287 - 33.5	0.787		18	24.703	24.870	0.525	A572-65	1.087
23	33.5 - 33.25	0.25		18	24.870	24.923	0.8375	A572-65	0.971
24	33.25 - 33	0.25		18	24.923	24.977	0.8375	A572-65	0.970
25	33 - 32.75	0.25		18	24.977	25.030	0.8125	A572-65	0.897
26	32.75 - 32	0.75		18	25.030	25.190	0.8	A572-65	0.907
27	32 - 31.75	0.25		18	25.190	25.243	0.5875	A572-65	0.929
28	31.75 - 28.5	3.25		18	25.243	25.934	0.575	A572-65	0.938
29	28.5 - 28.25	0.25		18	25.934	25.988	0.8625	A572-65	0.894
30	28.25 - 27.5	0.75		18	25.988	26.147	0.85	A572-65	0.903
31	27.5 - 27.25	0.25		18	26.147	26.200	0.575	A572-65	0.934
32	27.25 - 22.25	5		18	26.200	27.265	0.5625	A572-65	0.938
33	22.25 - 18	4.25		18	27.265	28.169	0.55	A572-65	0.946
34	18 - 17.75	0.25		18	28.169	28.222	0.5625	A572-65	1.052
35	17.75 - 15.45	2.3		18	28.222	28.712	0.425	A572-65	1.217
36	15.45 - 15.2	0.25		18	28.712	28.765	0.6875	A572-65	0.954
37	15.2 - 13.41	1.79		18	28.765	29.146	0.675	A572-65	0.965
38	13.41 - 13.16	0.25		18	29.146	29.199	0.5625	A572-65	1.035
39	13.16 - 8.16	5		18	29.199	30.263	0.55	A572-65	1.040
40	8.16 - 6.5	1.66		18	30.263	30.617	0.55	A572-65	1.035
41	6.5 - 6.25	0.25		18	30.617	30.670	0.6625	A572-65	0.957
42	6.25 - 4.45	1.8		18	30.670	31.053	0.65	A572-65	0.968
43	4.45 - 4.2	0.25		18	31.053	31.106	0.5125	A572-65	0.980
44	4.2 - 0	4.2		18	31.106	32.000	0.5	A572-65	0.994

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	98 - 93	3.40	17.95	4.57
2	93 - 88	6.12	46.35	7.75
3	88 - 85.207	6.26	68.12	7.85
4	85.207 - 80.207	6.65	107.87	8.05
5	80.207 - 75.207	10.26	155.98	12.36
6	75.207 - 70.207	10.74	218.09	12.50
7	70.207 - 65.207	14.51	287.98	16.50
8	65.207 - 60.207	15.16	371.21	16.83
9	60.207 - 59.17	15.29	388.68	16.90
10	59.17 - 58.9	15.36	393.24	16.91
11	58.9 - 58.75	15.38	395.78	16.93
12	58.75 - 54	16.18	477.20	17.38
13	54 - 53.75	16.25	481.54	17.39
14	53.75 - 52.91	16.41	496.18	17.48
15	52.91 - 52.66	16.47	500.56	17.50
16	52.66 - 52.17	16.57	509.14	17.55
17	52.17 - 51.92	16.70	513.55	17.65
18	51.92 - 48.704	17.35	570.80	17.98
19	48.704 - 44.287	21.89	661.09	21.09
20	44.287 - 39.287	23.06	767.67	21.57
21	39.287 - 34.287	24.25	876.58	22.03
22	34.287 - 33.5	24.45	893.94	22.10
23	33.5 - 33.25	24.54	899.46	22.12
24	33.25 - 33	24.61	904.99	22.14
25	33 - 32.75	24.68	910.53	22.17
26	32.75 - 32	24.89	927.18	22.25
27	32 - 31.75	24.96	932.75	22.27
28	31.75 - 28.5	25.72	1005.56	22.56
29	28.5 - 28.25	25.81	1011.20	22.57
30	28.25 - 27.5	26.03	1028.15	22.65
31	27.5 - 27.25	26.10	1033.82	22.67
32	27.25 - 22.25	27.31	1148.14	23.09
33	22.25 - 18	28.38	1246.89	23.42
34	18 - 17.75	28.46	1252.75	23.43
35	17.75 - 15.45	29.05	1306.80	23.61
36	15.45 - 15.2	29.14	1312.70	23.60
37	15.2 - 13.41	29.66	1355.07	23.78
38	13.41 - 13.16	29.75	1361.01	23.77
39	13.16 - 8.16	31.16	1480.80	24.17
40	8.16 - 6.5	31.63	1520.99	24.31
41	6.5 - 6.25	31.73	1527.06	24.30
42	6.25 - 4.45	32.27	1570.94	24.48
43	4.45 - 4.2	32.35	1577.05	24.47
44	4.2 - 0	33.48	1680.46	24.80

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
98 - 93	Pole	TP13.078x12x0.1875	Pole	12.2%	Pass
93 - 88	Pole	TP14.156x13.078x0.1875	Pole	26.5%	Pass
88 - 85.21	Pole	TP15.28x14.156x0.1875	Pole	35.2%	Pass
85.21 - 80.21	Pole	TP15.445x14.384x0.25	Pole	38.0%	Pass
80.21 - 75.21	Pole	TP16.507x15.445x0.25	Pole	48.3%	Pass
75.21 - 70.21	Pole	TP17.569x16.507x0.25	Pole	59.0%	Pass
70.21 - 65.21	Pole	TP18.63x17.569x0.25	Pole	69.3%	Pass
65.21 - 60.21	Pole	TP19.692x18.63x0.25	Pole	79.5%	Pass
60.21 - 59.17	Pole	TP19.912x19.692x0.25	Pole	81.3%	Pass
59.17 - 58.9	Pole + Reinf.	TP19.97x19.912x0.5125	Reinf. 10 Compression	73.2%	Pass
58.9 - 58.75	Pole + Reinf.	TP20.001x19.97x0.5125	Reinf. 10 Compression	73.5%	Pass
58.75 - 54	Pole + Reinf.	TP21.01x20.001x0.5	Reinf. 10 Compression	82.1%	Pass
54 - 53.75	Pole + Reinf.	TP21.063x21.01x0.5125	Reinf. 10 Compression	73.7%	Pass
53.75 - 52.91	Pole + Reinf.	TP21.241x21.063x0.5	Reinf. 10 Compression	74.9%	Pass
52.91 - 52.66	Pole + Reinf.	TP21.294x21.241x0.675	Reinf. 8 Compression	72.3%	Pass
52.66 - 52.17	Pole + Reinf.	TP21.399x21.294x0.675	Reinf. 8 Compression	73.1%	Pass
52.17 - 51.92	Pole + Reinf.	TP21.452x21.399x0.525	Reinf. 9 Compression	78.2%	Pass
51.92 - 48.7	Pole + Reinf.	TP22.86x21.452x0.5125	Reinf. 9 Compression	82.9%	Pass
48.7 - 44.29	Pole + Reinf.	TP22.575x21.634x0.5625	Reinf. 7 Compression	81.4%	Pass
44.29 - 39.29	Pole + Reinf.	TP23.639x22.575x0.55	Reinf. 7 Compression	87.8%	Pass
39.29 - 34.29	Pole + Reinf.	TP24.703x23.639x0.5375	Reinf. 7 Compression	93.5%	Pass
34.29 - 33.5	Pole + Reinf.	TP24.87x24.703x0.525	Reinf. 7 Compression	94.3%	Pass
33.5 - 33.25	Pole + Reinf.	TP24.923x24.87x0.8375	Reinf. 7 Compression	63.9%	Pass
33.25 - 33	Pole + Reinf.	TP24.977x24.923x0.8375	Reinf. 7 Compression	64.1%	Pass
33 - 32.75	Pole + Reinf.	TP25.03x24.977x0.8125	Reinf. 7 Compression	69.5%	Pass
32.75 - 32	Pole + Reinf.	TP25.19x25.03x0.8	Reinf. 7 Compression	70.1%	Pass
32 - 31.75	Pole + Reinf.	TP25.243x25.19x0.5875	Reinf. 6 Tension Rupture	84.8%	Pass
31.75 - 28.5	Pole + Reinf.	TP25.934x25.243x0.575	Reinf. 6 Tension Rupture	87.6%	Pass
28.5 - 28.25	Pole + Reinf.	TP25.988x25.934x0.8625	Reinf. 6 Tension Rupture	61.0%	Pass
28.25 - 27.5	Pole + Reinf.	TP26.147x25.988x0.85	Reinf. 6 Tension Rupture	61.5%	Pass
27.5 - 27.25	Pole + Reinf.	TP26.2x26.147x0.575	Reinf. 5 Tension Rupture	88.6%	Pass
27.25 - 22.25	Pole + Reinf.	TP27.265x26.2x0.5625	Reinf. 5 Tension Rupture	92.4%	Pass
22.25 - 18	Pole + Reinf.	TP28.169x27.265x0.55	Reinf. 5 Tension Rupture	95.2%	Pass
18 - 17.75	Pole + Reinf.	TP28.222x28.169x0.5625	Reinf. 5 Tension Rupture	87.4%	Pass
17.75 - 15.45	Pole + Reinf.	TP28.712x28.222x0.425	Pole	88.4%	Pass
15.45 - 15.2	Pole + Reinf.	TP28.765x28.712x0.6875	Reinf. 3 Tension Rupture	86.9%	Pass
15.2 - 13.41	Pole + Reinf.	TP29.146x28.765x0.675	Reinf. 3 Tension Rupture	87.9%	Pass
13.41 - 13.16	Pole + Reinf.	TP29.199x29.146x0.5625	Reinf. 4 Tension Rupture	91.7%	Pass
13.16 - 8.16	Pole + Reinf.	TP30.263x29.199x0.55	Reinf. 4 Tension Rupture	94.3%	Pass
8.16 - 6.5	Pole + Reinf.	TP30.617x30.263x0.55	Reinf. 4 Tension Rupture	95.1%	Pass
6.5 - 6.25	Pole + Reinf.	TP30.67x30.617x0.6625	Reinf. 3 Tension Rupture	91.5%	Pass
6.25 - 4.45	Pole + Reinf.	TP31.053x30.67x0.65	Reinf. 3 Tension Rupture	92.4%	Pass
4.45 - 4.2	Pole + Reinf.	TP31.106x31.053x0.5125	Reinf. 1 Tension Rupture	93.7%	Pass
4.2 - 0	Pole + Reinf.	TP32x31.106x0.5	Reinf. 2 Tension Rupture	95.5%	Pass
				Summary	
			Pole	88.4%	Pass
			Reinforcement	95.5%	Pass
			Overall	95.5%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*												
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
98 - 93	161	n/a	161	7.67	n/a	7.67	12.2%												
93 - 88	205	n/a	205	8.31	n/a	8.31	26.5%												
88 - 85.21	233	n/a	233	8.67	n/a	8.67	35.2%												
85.21 - 80.21	352	n/a	352	12.06	n/a	12.06	38.0%												
80.21 - 75.21	431	n/a	431	12.90	n/a	12.90	48.3%												
75.21 - 70.21	521	n/a	521	13.74	n/a	13.74	59.0%												
70.21 - 65.21	622	n/a	622	14.58	n/a	14.58	69.3%												
65.21 - 60.21	736	n/a	736	15.43	n/a	15.43	79.5%												
60.21 - 59.17	762	n/a	762	15.60	n/a	15.60	81.3%												
59.17 - 58.9	768	754	1522	15.65	13.50	29.15	40.7%								73.2%		73.2%		
58.9 - 58.75	772	756	1528	15.67	13.50	29.17	40.9%								73.5%		73.5%		
58.75 - 54	897	829	1726	16.47	13.50	29.97	45.7%								82.1%		82.1%		
54 - 53.75	905	864	1769	16.51	19.75	36.26	46.4%								73.7%		73.7%		48.3%
53.75 - 52.91	929	877	1806	16.66	19.75	36.41	47.2%								74.9%		74.9%		49.2%
52.91 - 52.66	1003	1447	2449	16.70	24.25	40.95	41.0%								72.3%	57.9%	54.1%		49.7%
52.66 - 52.17	1018	1460	2478	16.78	24.25	41.03	41.4%								73.1%	58.5%	54.6%		50.2%
52.17 - 51.92	958	956	1914	16.82	19.75	36.57	46.9%								73.9%	78.2%			54.6%
51.92 - 48.7	1054	1013	2067	17.36	19.75	37.11	49.7%								78.4%	82.9%			58.1%
48.7 - 44.29	1387	1008	2395	22.08	19.75	41.83	51.4%							81.4%	81.4%				56.1%
44.29 - 39.29	1595	1099	2694	23.14	19.75	42.89	55.5%							87.8%	87.8%				61.0%
39.29 - 34.29	1823	1194	3017	24.19	19.75	43.94	59.0%							93.5%	93.5%				65.5%
34.29 - 33.5	1861	1209	3070	24.36	19.75	44.11	59.5%							94.3%	94.3%				66.1%
33.5 - 33.25	1872	2805	4677	24.41	37.75	62.16	39.5%						61.3%	63.9%	63.9%				49.5%
33.25 - 33	1885	2816	4701	24.46	37.75	62.21	39.6%						61.5%	64.1%	64.1%				49.7%
33 - 32.75	1892	2708	4599	24.52	31.50	56.02	39.0%						62.8%	69.5%	69.5%				
32.75 - 32	1929	2740	4669	24.67	31.50	56.17	39.3%						63.4%	70.1%	70.1%				
32 - 31.75	1941	1577	3518	24.73	18.00	42.73	52.6%						84.8%						
31.75 - 28.5	2107	1660	3767	25.41	18.00	43.41	54.3%						87.6%						
28.5 - 28.25	2120	3333	5453	25.47	36.00	61.47	37.8%		61.0%	61.0%		61.0%	61.0%						
28.25 - 27.5	2160	3372	5532	25.62	36.00	61.62	38.2%		61.5%	61.5%		61.5%	61.5%						
27.5 - 27.25	2173	1692	3866	25.68	18.00	43.68	55.0%		88.6%	88.6%		88.6%							
27.25 - 22.25	2453	1825	4278	26.73	18.00	44.73	57.4%		92.4%	92.4%		92.4%							
22.25 - 18	2708	1942	4650	27.63	18.00	45.63	59.2%		95.2%	95.2%		95.2%							
18 - 17.75	2729	2035	4765	27.68	24.25	51.93	60.6%		87.4%	85.2%		87.4%						71.3%	
17.75 - 15.45	3303	945	4247	28.17	18.25	46.42	88.4%		88.1%			88.1%						87.5%	
15.45 - 15.2	2998	3180	6178	28.22	30.25	58.47	55.0%		81.5%	86.9%	69.3%	66.1%						72.5%	
15.2 - 13.41	3118	3262	6380	28.60	30.25	58.85	55.6%		82.5%	87.9%	70.2%	67.0%						73.5%	
13.41 - 13.16	3024	2280	5304	28.65	24.25	52.90	60.3%		85.0%	88.7%	91.7%							79.9%	
13.16 - 8.16	3371	2441	5812	29.71	24.25	53.96	62.2%		87.5%	91.3%	94.3%							82.4%	
8.16 - 6.5	3492	2496	5987	30.06	24.25	54.31	62.9%		88.2%	92.1%	95.1%							83.2%	
6.5 - 6.25	3632	3601	7233	30.11	30.25	60.36	58.3%	70.2%	86.0%	91.5%	73.5%							76.9%	
6.25 - 4.45	3769	3689	7458	30.49	30.25	60.74	59.1%	71.0%	86.8%	92.4%	74.2%							77.7%	
4.45 - 4.2	3716	2201	5918	30.54	18.25	48.79	72.3%	93.7%	93.7%									93.0%	
4.2 - 0	4047	2326	6373	31.43	18.25	49.68	74.0%	95.5%	95.5%									94.6%	

Note: Section capacity checked using 5 degree increments.
Rating per TIA-222-H Section 15.5.

PROJECT	**127643.008.01 - (F) E.GRANBY 4Q2000 GALASSO, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**10/06/21**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	207.7	kips
AR Capacity	683.6	kips

Tower Type	Monopole	

Manufacturers Tower Prop.		
Pole Thickness	0.3125	in
Pole Grade	A572-65	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	A633/A871	
Fy	60	ksi
Fu	80	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	2 1/2 - 150	in
Grade	'22-150 (William	
Fy	127.7	ksi
Fu	150	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	40.4%	-
Tube Compression	60.6%	-
Gusset Shear	24.4%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	55.2%	-
Welds: Gusset to Tube	24.7%	-
Welds: Geometry	N/A	
Tower Punching	24.4%	-
Tube Punching	35.1%	-
Utilization	**60.6%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	HSS5x5x1/2		FEXX	70	ksi
Width at Tube	3.5	in	Total Length	18	in	Weld Type	CJP - Double Bevel	
Height at Pole	36	in	Length above Gusset	0	in	Fillet Size	5/8	in
Height at Tube	18	in	Length below Gusset	0	in	Bevel Depth	1/2	in
Grade	A572-65		Grade	A500 Grade B (Square)				
Fy	65	ksi	Fy	46	ksi			
Fu	80	ksi	Fu	58	ksi			

Weld - Gusset to Tower			Weld - Gusset to Base Plate		
FEXX	70	ksi	FEXX	70	ksi
Weld Type	Double Fillet		Weld Type	CJP - Double Bevel	
Fillet Size	3/8	in	Fillet Size	5/8	in
			Bevel Depth	1/2	in
			Gap	0	in
			Notch (horiz)	0.75	in
			Notch (vert)	0.75	in
			Pipe/Tube Welded to Base/Footpad?	Yes	
			Fillet Size	3/8	in

PROJECT	**127643.008.01 - (F) E.GRANBY 4Q2000 GALASSO, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**10/06/21**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

B+T GRP
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	92.91	kips
AR Capacity	227.3	kips

Tower Type	Monopole	

Manufacturers Tower Prop.		
Pole Thickness	0.3125	in
Pole Grade	A572-65	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	A633/A871	
Fy	60	ksi
Fu	80	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	1.75	in
Grade	A193 Gr B7	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	21.8%	-
Tube Compression	32.7%	-
Gusset Shear	7.3%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	15.2%	-
Welds: Gusset to Tube	22.9%	-
Welds: Geometry	N/A	
Tower Punching	10.8%	-
Tube Punching	5.2%	-
Utilization	**32.7%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	HSS4x4x1/2		FEXX	80	ksi
Width at Tube	3.95	in	Total Length	27	in	Weld Type	Double Fillet	
Height at Pole	36	in	Length above Gusset	0	in	Fillet Size	5/16	in
Height at Tube	27	in	Length below Gusset	0	in			
Grade	A572-65		Grade	A500 Grade C (Square)				
Fy	65	ksi	Fy	50	ksi			
Fu	80	ksi	Fu	62	ksi			

Weld - Gusset to Tower			Weld - Gusset to Base Plate		
FEXX	80	ksi	FEXX	80	ksi
Weld Type	Double Fillet		Weld Type	CJP - Double Bevel	
Fillet Size	5/16	in	Fillet Size	9/16	in
			Bevel Depth	9/16	in
			Gap	0	in
			Notch (horiz)	0.75	in
			Notch (vert)	1.25	in
			Pipe/Tube Welded to Base/Footpad?	Yes	
			Fillet Size	1/2	in

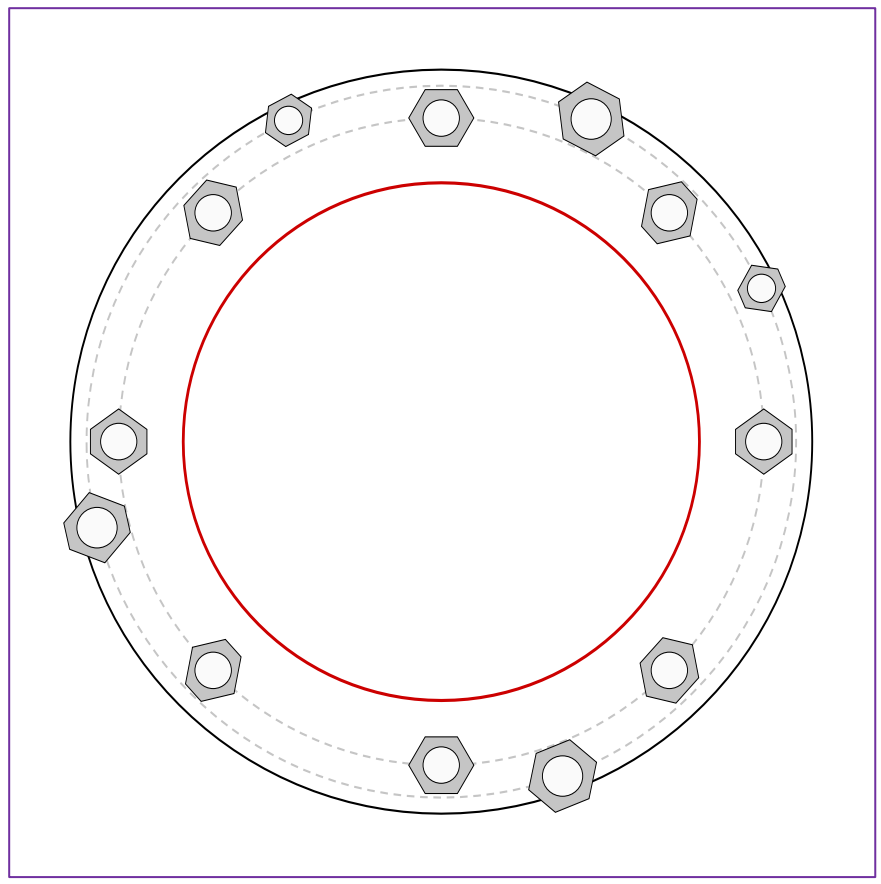
Monopole Base Plate Connection

Site Info	
BU #	876399
Site Name	GRANBY 4Q2000 / GAL
Order #	589573, Rev. 0

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

Applied Loads	
Moment (kip-ft)	1680.46
Axial Force (kips)	33.48
Shear Force (kips)	24.80

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (8) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 40" BC
GROUP 2: (3) 2-1/2" ø bolts (A722 N; Fy=127.7 ksi, Fu=125 ksi) on 44" BC
pos. (deg): 65, 194, 290

GROUP 3: (2) 1-3/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 44" BC

Base Plate Data

46" OD x 1.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

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

Analysis Results

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

GROUP 1:		
Pu_t = 154.44	ϕPn_t = 243.75	**Stress Rating**
Vu = 3.1	ϕVn = 149.1	**60.3%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 207.7	ϕPn_t = 382.5	**Stress Rating**
Vu = 0	ϕVn = 191.25	**51.7%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 3:		
Pu_t = 92.91	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**49.7%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	55.55	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**98.0%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

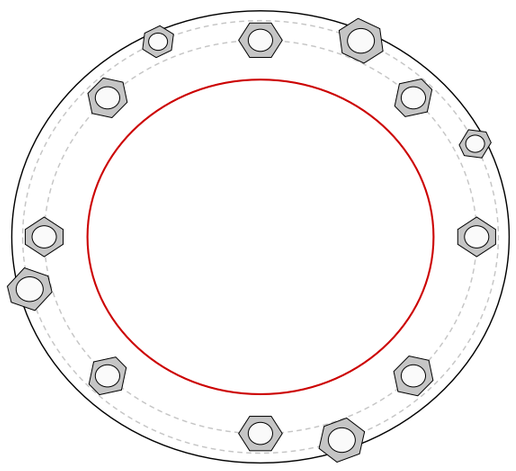
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	40	0.5	0	N-Included		No
2	1	45	2.25	A615-75	40	0.5	0	N-Included		No
3	1	90	2.25	A615-75	40	0.5	0	N-Included		No
4	1	135	2.25	A615-75	40	0.5	0	N-Included		No
5	1	180	2.25	A615-75	40	0.5	0	N-Included		No
6	1	225	2.25	A615-75	40	0.5	0	N-Included		No
7	1	270	2.25	A615-75	40	0.5	0	N-Included		No
8	1	315	2.25	A615-75	40	0.5	0	N-Included		No
9	2	65	2.5	A722	44	0.5	0	N-Included	4.08	No
10	2	194	2.5	A722	44	0.5	0	N-Included	4.08	No
11	2	290	2.5	A722	44	0.5	0	N-Included	4.08	No
12	3	25.5	1.75	A193 Gr. B7	44	0.5	0	N-Included		No
13	3	115.5	1.75	A193 Gr. B7	44	0.5	0	N-Included		No

Plot Graphic



Pile Foundation

Checks the capacity of pile foundation configurations for monopoles or self-support towers with individual foundations in Rev. F, G, and H.

BU #:	876399
Site Name:	(F) E. GRANBY 4Q2000 / GAL
Order:	589573, Rev. 0

Tower Type:	Monopole
TIA Revision:	H

Top & Bot. Pad Rein. Different?: ☐

Factored Design Reactions At Base		
Moment, M:	1680.46	ft-kips
Axial, Pu:	33.5	kips
Shear, Sc:	24.78	kips
Load Eccentricity, Ecc:	0	in
Bolt Circle / Bearing Plate Width, BC:	40	in

Pile Properties		
Pile Shape:	Round	
Pile Material:	Steel	
Length of Pile, Lpile:	32	ft
Pile Diameter:	1.8	in
Pile (Soil) Capacity Given?	Yes	
Steel Grade, Fy:	150	ksi
Rebar Quantity, Pquan:		

Pile Group		
Group Configuration:	Rectangular	
Number of Columns, Nx:	2	
Number of Rows, Ny:	2	
Column Spacing, Dx:	120	in
Row Spacing, Dy:	120	in
Orientation of Neutral Axis, θ:	0	deg
Group Efficiency Given in Geotech?	No	

Program Calculated Group Efficiency, Eg: 1.00

Pile Cap		
Cap Type:	Block	
Depth to Bottom of Block, D:	3.00	ft
Thickness of Block, T:	3.00	ft
Block Width, Wx:	14.00	ft
Block Length, Wy:	14.00	ft
Pad Rebar Size (Bot.), Spad:	8	
Pad Rebar Quantity (X-direction) (Bot.), Mpad:	15	
Pad Rebar Quantity (Y-direction) (Bot.), $Mpad_y$:	15	

Material Properties		
Rebar Grade, Fy:	60	ksi
Concrete Strength, Fc:	4	ksi
Clear Cover, cc:	3	in

Soil Properties		
Groundwater Depth, GW:	99.00	ft
Soil Unit Weight:	105	pcf
Cohesion, Co:	0	ksf
Friction Angle, ϕ:	0	deg
Neglected Depth, ND:	2	ft
Negative Friction Force (per pile), Sw:	0	kips
SPT Blow Count, N_{blows}:	10	

Design Checks				
	Capacity	*Demand*	*Rating**	*Check*
PILE CHECKS				
Soil Compression (kips per pile):	190.00	158.83	**79.6%**	**Pass**
Soil Uplift (kips per pile):	190.00	97.72	**49.0%**	**Pass**
Pile Tensile Strength (kips):	203.00	97.72	**45.8%**	**Pass**
PAD CHECKS				
One-Way Shear (kips):	502.04	192.10	**36.4%**	**Pass**
Pad Shear - Comp Two-Way (ksi):	0.164	0.004	**2.2%**	**Pass**
*Flexural Two-Way (Comp) (kip*ft):*	2062.85	0.00	**0.0%**	**Pass**
*Pad Flexure (kip*ft):*	1646.55	1039.89	**60.1%**	**Pass**

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

Structural Rating:	**60.1%**
Soil Rating:	**79.6%**

Ultimate Pile Capacities		
Ultimate Compression, Cn:	253.3333333	kips
Ultimate Tension, Tn:	253.3333333	kips

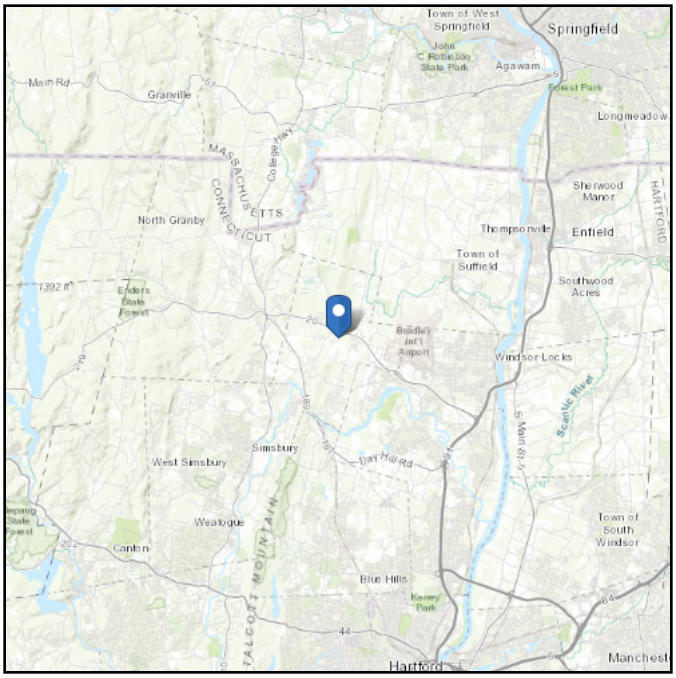
Per CCIsites Doc. # 8420875

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 255.76 ft (NAVD 88)
Latitude: 41.941553
Longitude: -72.73868



Wind

Results:

Wind Speed:	115 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	89 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Oct 05 2021

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

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

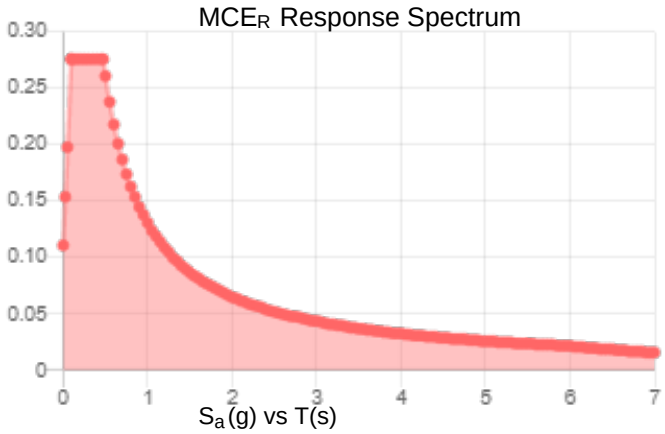
Seismic

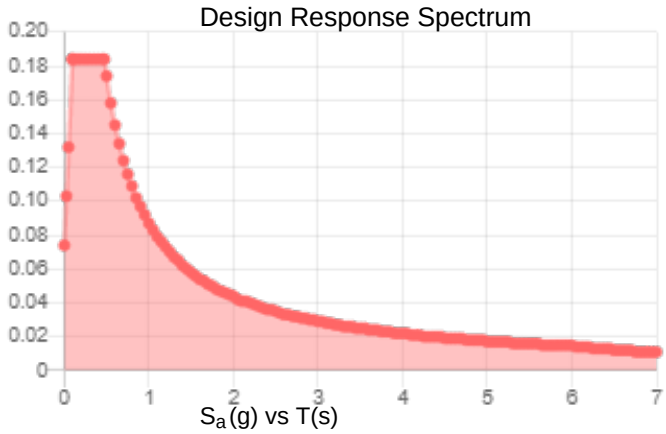
Site Soil Class: D - Default (see Section 11.4.3)

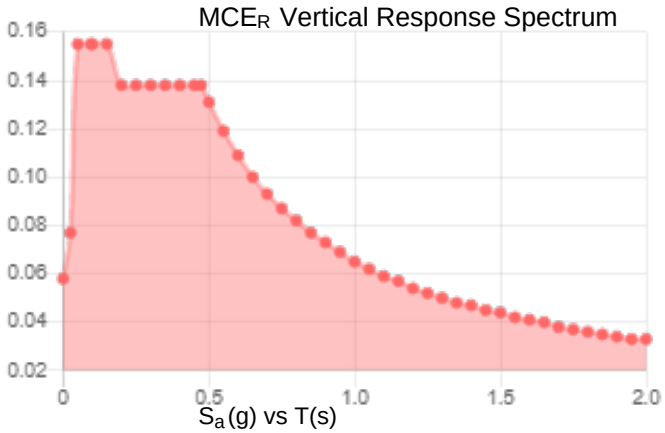
Results:

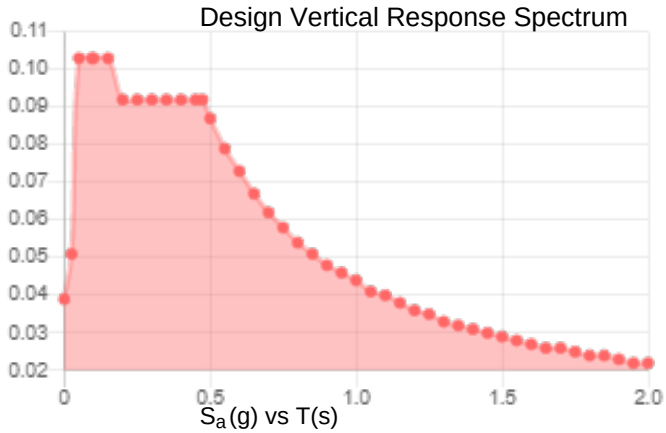
S_S :	0.173	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.091
F_v :	2.4	PGA_M :	0.145
S_{MS} :	0.276	F_{PGA} :	1.6
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.184	C_v :	0.7

Seismic Design Category B









Data Accessed: Tue Oct 05 2021

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

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue Oct 05 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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Exhibit E

Mount Analysis

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10101463
Maser Consulting Connecticut Project #: 21777115A

September 10, 2021

Site Information	*Site ID:*	*469130-VZW / EAST GRANBY 3 CT*
	Site Name:	*EAST GRANBY 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*60 S Main St* *East Granby, Connecticut 06026* *Hartford County*
	Latitude:	*41.941553°*
	Longitude:	*-72.738681°*
Structure Information	*Tower Type:*	*100-Ft Monopole*
	Mount Type:	*15.42-Ft Platform*

FUZE ID # 16272246

Analysis Results

Platform: **75.5% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Grant Walters

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 613517, dated August 27, 2021
Mount Mapping Report	Hudson Design Group, LLC., Site ID: 469130, dated March 29,2021
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 21777115A dated September 3, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777115A dated September 10, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.991
Seismic Parameters:	S_S:	0.173
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
67.00	67.00	3	Samsung	MT6407-77A	Added
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Andrew	SBNHH-1D65B	Retained

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount.

The recent 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 unless replacing an existing OVP.

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Platform Crossmember	40.2 %	Pass
Corner Plate	41.7 %	Pass
Grating Support	26.8 %	Pass
Face Horizontal	10.0 %	Pass
Standoff Horizontal	52.5 %	Pass
Mount Pipe	28.9 %	Pass
Kicker Kit	8.9 %	Pass
Corner Plate 2	75.5 %	Pass
Support Rail	23.2 %	Pass
Bracing Angle	29.3 %	Pass
Mount Connection	68.3 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**75.5%**

Recommendation:

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

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1218219

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/29/2021
Site Name:	EAST GRANBY 3 CT	**Tower Type:**	Monopole
Site Number or ID:	469130	**Tower Height (Ft.):**	100
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	65.6

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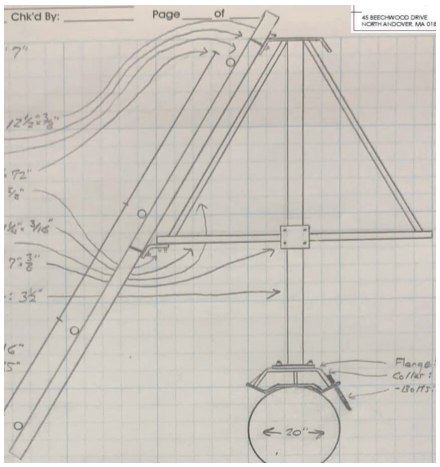
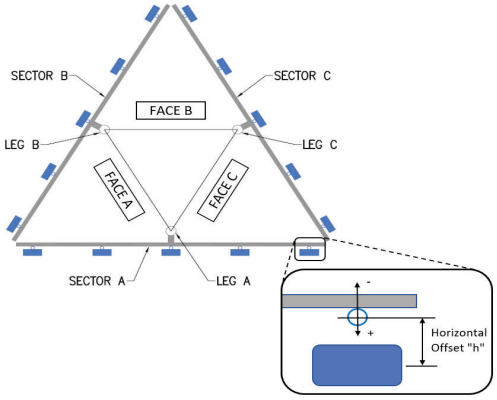
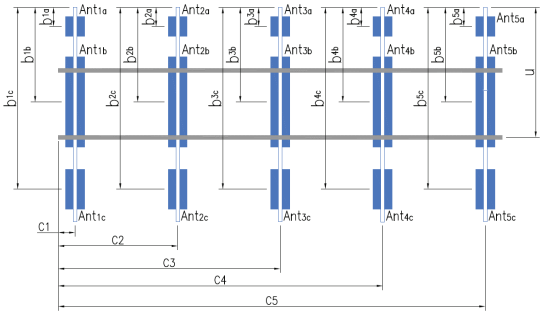






Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	35.00	16.00	C1	2" STD. PIPE X 72" LONG	35.00	16.00
A2	2" STD. PIPE X 72" LONG	35.00	71.00	C2	2" STD. PIPE X 72" LONG	35.00	71.00
A3	2" STD. PIPE X 72" LONG	35.00	129.00	C3	2" STD. PIPE X 72" LONG	35.00	129.00
A4	2" STD. PIPE X 72" LONG	35.00	169.00	C4	2" STD. PIPE X 72" LONG	35.00	169.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	35.00	16.00	D1			
B2	2" STD. PIPE X 72" LONG	35.00	71.00	D2			
B3	2" STD. PIPE X 72" LONG	35.00	129.00	D3			
B4	2" STD. PIPE X 72" LONG	35.00	169.00	D4			
B5				D5			
B6				D6			

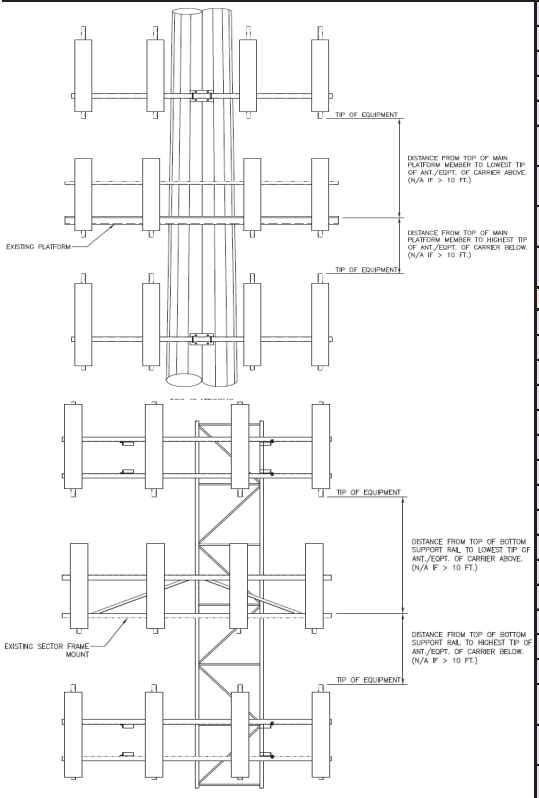
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4.16
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	20

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	300.00	47,103
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.50	20.50		66.4333	25.00	-8.00		104,136
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		65.5167	36.00	11.00	300.00	46,104
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.00	25.50		65.6833	34.00	-10.00		104,140
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	300.00	47,105
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	300.00	Deg	Leg A:		Deg
Sector B:	60.00	Deg	Leg B:		Deg
Sector C:	180.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	306.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	60.00	47,106
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.50	20.50		66.4333	25.00	-8.00		107,136
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.00	25.50		65.6833	34.00	-10.00		107,140
Ant_{3b}	(2) SBNHH-1D65B	12.00	7.00	73.00		65.5167	36.00	11.00	60.00	46,108
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	60.00	47,109
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	180.00	47,110
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.50	20.50		66.4333	25.00	-8.00		111,136
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.00	25.50		65.6833	34.00	-10.00		111,140
Ant_{3b}	(2) SBNHH-1D65B	12.00	7.00	73.00		65.5167	36.00	11.00	180.00	46,112
Ant_{3c}										
Ant_{4a}	OVP	15.00	10.00	28.00		69.0167	-6.00	-7.00		113,148
Ant_{4b}	LPA-80063-6CF	15.00	14.00	71.00		65.5167	36.00	16.00	180.00	47,113
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2	(12) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	7,8,9
3		
4		
5		
6		
7		
8		

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1218219

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/29/2021
Site Name:	EAST GRANBY 3 CT	**Tower Type:**	Monopole
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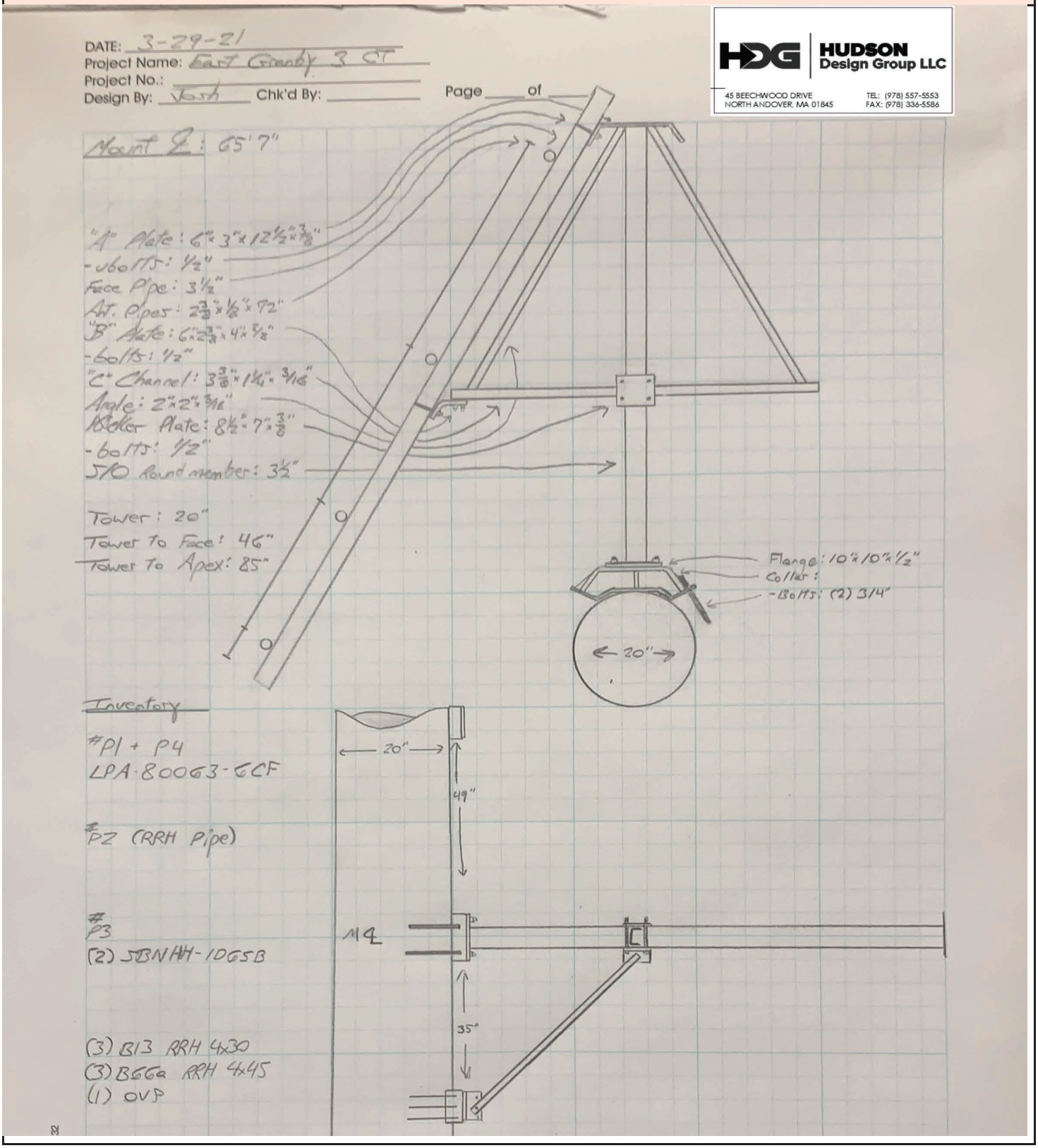
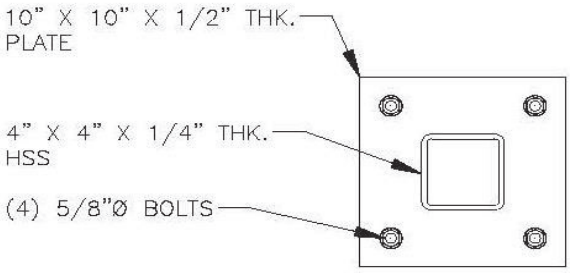
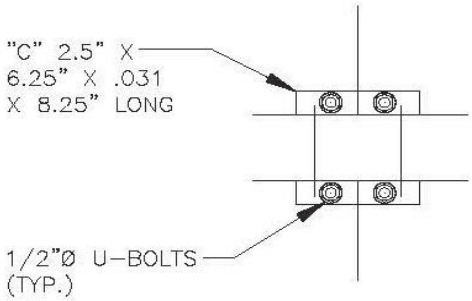
Please Insert Sketches of the Antenna Mount



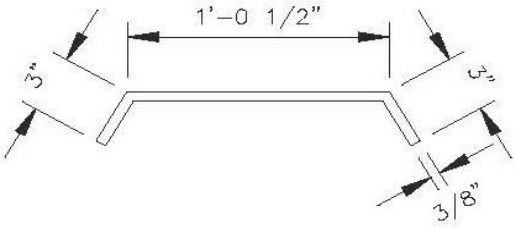
Please Insert Sketches of the Antenna Mount, cont'd



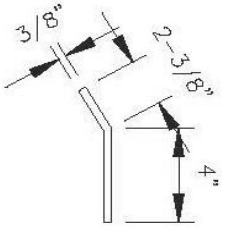
CONNECTION PLATE DETAIL



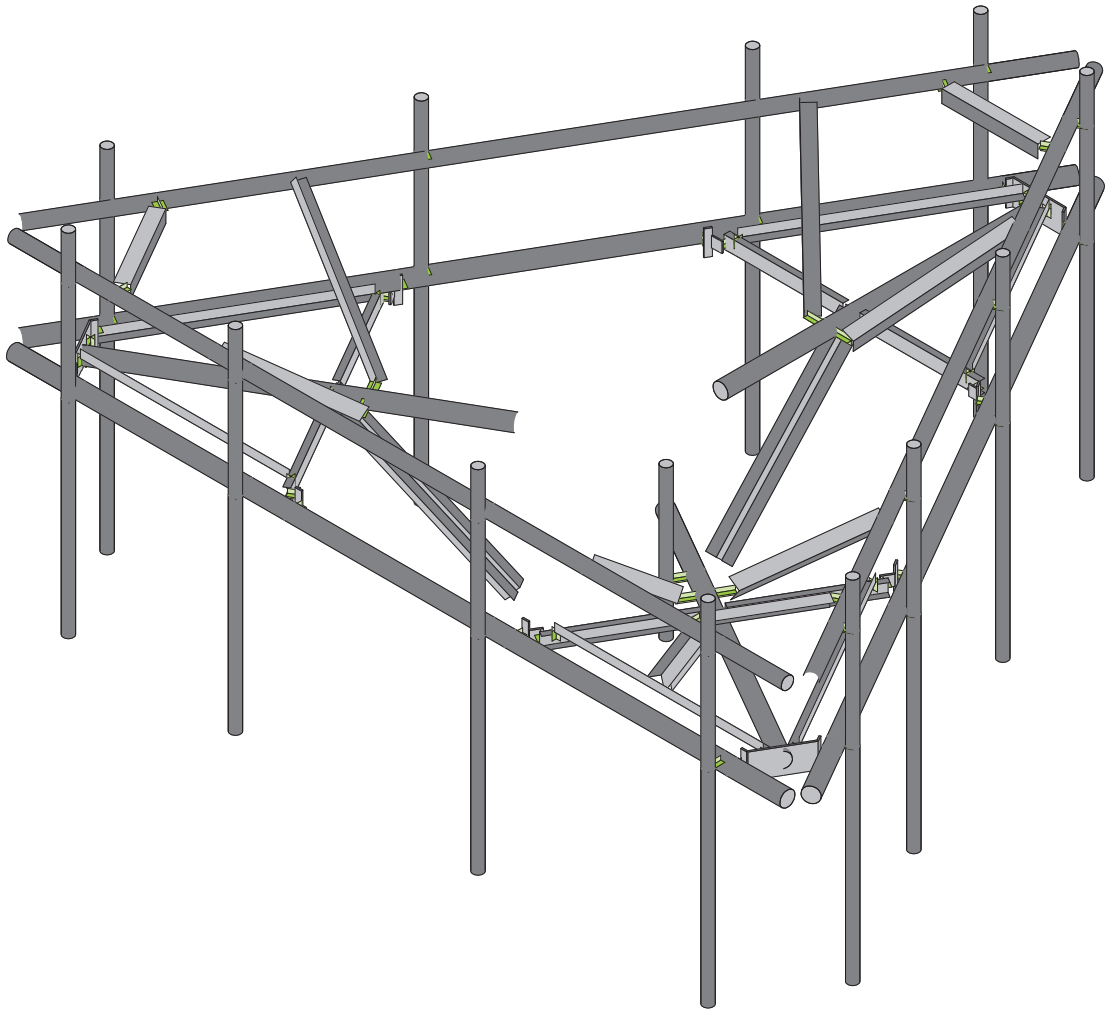
CROSSOVER PLATE
DETAIL (PLATFORM)



APEX "A" PLATE DETAIL



"B" PLATE DETAIL



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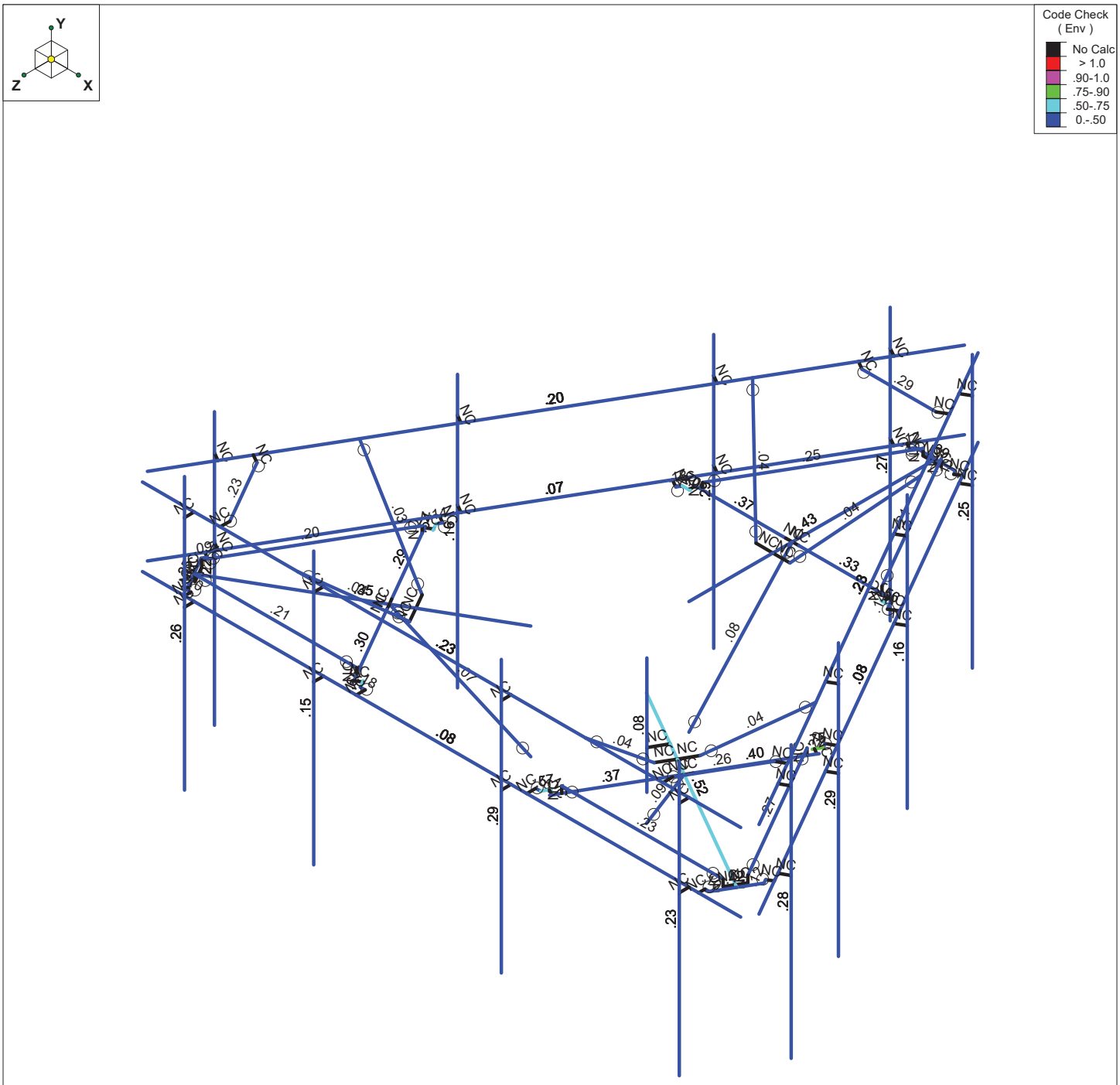
		Sept 8, 2021 at 2:37 PM
		469130-VZW_MT_LO_H.r3d



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

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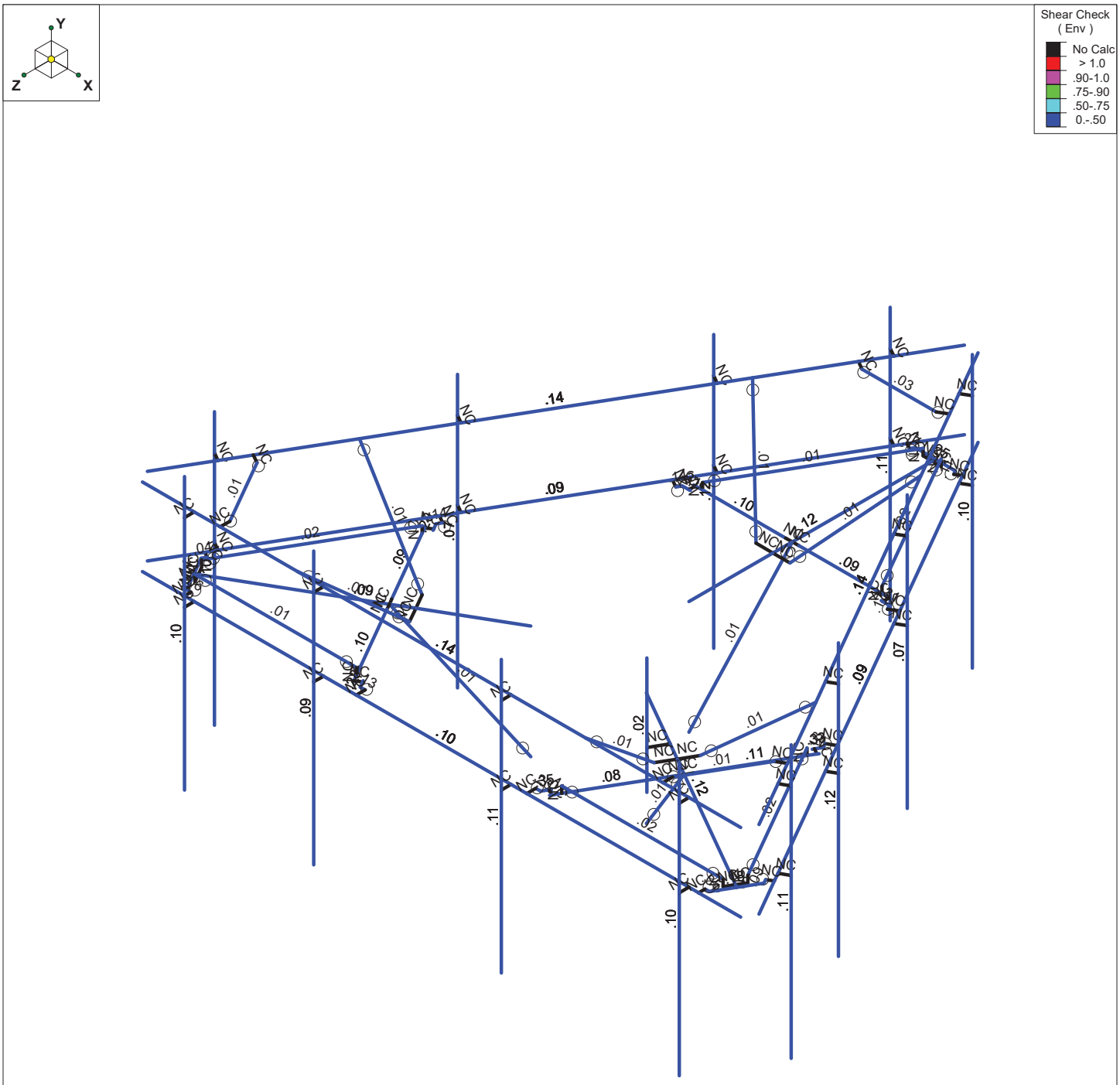


Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Maser Consulting	469130-VZW_MT_LO_H	SK - 3
		Sept 8, 2021 at 2:37 PM
		469130-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					75			
2	Antenna Di	None					75			
3	Antenna Wo (0 Deg)	None					75			
4	Antenna Wo (30 Deg)	None					75			
5	Antenna Wo (60 Deg)	None					75			
6	Antenna Wo (90 Deg)	None					75			
7	Antenna Wo (120 Deg)	None					75			
8	Antenna Wo (150 Deg)	None					75			
9	Antenna Wo (180 Deg)	None					75			
10	Antenna Wo (210 Deg)	None					75			
11	Antenna Wo (240 Deg)	None					75			
12	Antenna Wo (270 Deg)	None					75			
13	Antenna Wo (300 Deg)	None					75			
14	Antenna Wo (330 Deg)	None					75			
15	Antenna Wi (0 Deg)	None					75			
16	Antenna Wi (30 Deg)	None					75			
17	Antenna Wi (60 Deg)	None					75			
18	Antenna Wi (90 Deg)	None					75			
19	Antenna Wi (120 Deg)	None					75			
20	Antenna Wi (150 Deg)	None					75			
21	Antenna Wi (180 Deg)	None					75			
22	Antenna Wi (210 Deg)	None					75			
23	Antenna Wi (240 Deg)	None					75			
24	Antenna Wi (270 Deg)	None					75			
25	Antenna Wi (300 Deg)	None					75			
26	Antenna Wi (330 Deg)	None					75			
27	Antenna Wm (0 Deg)	None					75			
28	Antenna Wm (30 Deg)	None					75			
29	Antenna Wm (60 Deg)	None					75			
30	Antenna Wm (90 Deg)	None					75			
31	Antenna Wm (120 Deg)	None					75			
32	Antenna Wm (150 Deg)	None					75			
33	Antenna Wm (180 Deg)	None					75			
34	Antenna Wm (210 Deg)	None					75			
35	Antenna Wm (240 Deg)	None					75			
36	Antenna Wm (270 Deg)	None					75			
37	Antenna Wm (300 Deg)	None					75			
38	Antenna Wm (330 Deg)	None					75			
39	Structure D	None		-1					3	
40	Structure Di	None						67	3	
41	Structure Wo (0 Deg)	None						134		
42	Structure Wo (30 Deg)	None						134		
43	Structure Wo (60 Deg)	None						134		
44	Structure Wo (90 Deg)	None						134		
45	Structure Wo (120 D...	None						134		
46	Structure Wo (150 D...	None						134		
47	Structure Wo (180 D...	None						134		
48	Structure Wo (210 D...	None						134		
49	Structure Wo (240 D...	None						134		
50	Structure Wo (270 D...	None						134		
51	Structure Wo (300 D...	None						134		
52	Structure Wo (330 D...	None						134		
53	Structure Wi (0 Deg)	None						134		
54	Structure Wi (30 Deg)	None						134		
55	Structure Wi (60 Deg)	None						134		
56	Structure Wi (90 Deg)	None						134		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						134		
58	Structure Wi (150 De...	None						134		
59	Structure Wi (180 De...	None						134		
60	Structure Wi (210 De...	None						134		
61	Structure Wi (240 De...	None						134		
62	Structure Wi (270 De...	None						134		
63	Structure Wi (300 De...	None						134		
64	Structure Wi (330 De...	None						134		
65	Structure Wm (0 Deg)	None						134		
66	Structure Wm (30 De...	None						134		
67	Structure Wm (60 De...	None						134		
68	Structure Wm (90 De...	None						134		
69	Structure Wm (120 D...	None						134		
70	Structure Wm (150 D...	None						134		
71	Structure Wm (180 D...	None						134		
72	Structure Wm (210 D...	None						134		
73	Structure Wm (240 D...	None						134		
74	Structure Wm (270 D...	None						134		
75	Structure Wm (300 D...	None						134		
76	Structure Wm (330 D...	None						134		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Solve	PD...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

	Description	Solve	PD	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	Seismic Mass		Y		1	1	39	1																		
53	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866												
55	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ													
57	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5												
58	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866												
59	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1												
60	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866												
61	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5												
62	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ													
63	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5												
64	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866												

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N183A	-7.882095	0	4.55073	0	
2	N185	6.451238	0	4.55073	0	
3	N187	4.898394	0	-0.106775	0	
4	N188	2.470009	0.166667	4.099312	0	
5	N189	4.785113	0.166667	0.089434	0	
6	N190	3.627561	0	2.094373	0	
7	N191	6.82103	0	3.938123	0	
8	N192	2.470009	0	4.099312	0	
9	N193	4.785113	0	0.089434	0	
10	N194	2.356728	0	4.295521	0	
11	N195	3.710894	0	1.950036	0	
12	N196	3.544228	0	2.238711	0	
13	N200	6.451238	0	4.384668	0	
14	N202	7.022853	0	3.394602	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N205	7.078842	0	3.491579	0	
16	N206	6.563217	0	4.384668	0	
17	N207	7.166667	0	3.311571	0	
18	N208	6.748861	0	3.896457	0	
19	N209	6.631742	0.166667	4.099312	0	
20	N210	6.631742	0	4.099312	0	
21	N211	6.86598	0.166667	3.693601	0	
22	N212	6.86598	0	3.693601	0	
23	N213	-6.798762	0	4.55073	0	
24	N178	7.534571	0	4.55073	0	
25	N188A	7.708333	0	4.249765	0	
26	N190A	0.	0	-9.10146	0	
27	N239A	-0.347524	0	-9.10146	0	
28	N240	-7.514191	0	3.311571	0	
29	N242	-0.889191	0	-8.163266	0	
30	N243	-8.055857	0	4.249765	0	
31	N245	-2.704252	0	4.295521	0	
32	N246	-5.132637	0.166667	0.089434	0	
33	N247	-2.817533	0.166667	4.099312	0	
34	N248	-3.975085	0	2.094373	0	
35	N249	-7.168554	0	3.938123	0	
36	N250	-5.132637	0	0.089434	0	
37	N251	-2.817533	0	4.099312	0	
38	N252	-5.245918	0	-0.106775	0	
39	N253	-3.891752	0	2.238711	0	
40	N254	-4.058418	0	1.950036	0	
41	N258	-7.370377	0	3.394602	0	
42	N260	-6.798762	0	4.384668	0	
43	N262	-6.910741	0	4.384668	0	
44	N263	-7.426366	0	3.491579	0	
45	N265	-7.096385	0	3.896457	0	
46	N266	-7.213504	0.166667	3.693601	0	
47	N267	-7.213504	0	3.693601	0	
48	N268	-6.979266	0.166667	4.099312	0	
49	N269	-6.979266	0	4.099312	0	
50	N237	0.541667	0	-8.163266	0	
51	N238	-0.173762	0	-1.823045	0	
52	N239	-2.715429	0	-4.489711	0	
53	N240A	2.141342	0.166667	-4.489711	0	
54	N241A	-2.488866	0.166667	-4.489711	0	
55	N242A	-0.173762	0	-4.489711	0	
56	N243A	-0.173762	0	-8.177211	0	
57	N244A	2.141342	0	-4.489711	0	
58	N245A	-2.488866	0	-4.489711	0	
59	N246A	2.367905	0	-4.489711	0	
60	N247A	-0.340429	0	-4.489711	0	
61	N248A	-0.007095	0	-4.489711	0	
62	N252A	0.397853	0	-8.080234	0	
63	N254A	-0.745377	0	-8.080234	0	
64	N257A	-0.689387	0	-8.177211	0	
65	N258A	0.341863	0	-8.177211	0	
66	N260A	-0.173762	0	-8.093878	0	
67	N261A	0.060476	0.166667	-8.093878	0	
68	N262A	0.060476	0	-8.093878	0	
69	N263A	-0.408	0.166667	-8.093878	0	
70	N264	-0.408	0	-8.093878	0	
71	N239B	-0.173762	0	-0.100322	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N235	-1.665684	0	0.76104	0	
73	N238A	1.31816	0	0.76104	0	
74	N237A	6.201238	0	4.55073	0	
75	N238B	1.617905	0	4.55073	0	
76	N239C	-3.215429	0	4.55073	0	
77	N240B	-6.548762	0	4.55073	0	
78	N242B	6.201238	0	4.80073	0	
79	N243B	6.201238	-4.083333	4.80073	0	
80	N244	6.201238	2.916667	4.80073	0	
81	N247B	1.617905	0	4.80073	0	
82	N248B	1.617905	-4.083333	4.80073	0	
83	N249B	1.617905	2.916667	4.80073	0	
84	N249C	-3.215429	0	4.80073	0	
85	N250B	-3.215429	-4.083333	4.80073	0	
86	N251B	-3.215429	2.916667	4.80073	0	
87	N252B	-6.548762	0	4.80073	0	
88	N253B	-6.548762	-4.083333	4.80073	0	
89	N254B	-6.548762	2.916667	4.80073	0	
90	N255B	5.375	0	0.208313	0	
91	N256B	7.041667	0	3.095065	0	
92	N257B	0.883173	-4.083333	-8.071759	0	
93	N258B	0.883173	2.916667	-8.071759	0	
94	N259A	3.17484	-4.083333	-4.102476	0	
95	N260B	3.17484	2.916667	-4.102476	0	
96	N261B	5.591506	0	0.083313	0	
97	N262B	5.591506	-4.083333	0.083313	0	
98	N263B	5.591506	2.916667	0.083313	0	
99	N264A	7.258173	0	2.970065	0	
100	N265A	7.258173	-4.083333	2.970065	0	
101	N266A	7.258173	2.916667	2.970065	0	
102	N268A	-2.680857	0	-5.060008	0	
103	N269A	-1.014191	0	-7.946759	0	
104	N270	-7.605697	-4.083333	2.970065	0	
105	N271	-7.605697	2.916667	2.970065	0	
106	N272	-5.31403	-4.083333	-0.999218	0	
107	N273	-5.31403	2.916667	-0.999218	0	
108	N274	-2.897364	0	-5.185008	0	
109	N275	-2.897364	-4.083333	-5.185008	0	
110	N276	-2.897364	2.916667	-5.185008	0	
111	N277	-1.230697	0	-8.071759	0	
112	N278	-1.230697	-4.083333	-8.071759	0	
113	N279	-1.230697	2.916667	-8.071759	0	
114	N278A	-0.173762	-2.916667	-1.823045	0	
115	N135	-1.665684	-2.916667	0.76104	0	
116	N138	1.31816	-2.916667	0.76104	0	
117	N140	2.761536	0	1.594373	0	
118	N141	2.542786	0	1.973259	0	
119	N142	2.542786	2	1.973259	0	
120	N143	2.542786	-1	1.973259	0	
121	N143A	2.326238	0	-4.489711	0	
122	N144	2.326238	0	-4.323045	0	
123	N145	2.284571	0	-4.323045	0	
124	N146	2.492905	0	-4.323045	0	
125	N147	2.555405	0	-4.214791	0	
126	N149	2.754841	0	-4.329936	0	
127	N152	-2.673762	0	-4.489711	0	
128	N154	-2.673762	0	-4.323045	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N155	-2.632095	0	-4.323045	0	
130	N156	-2.840429	0	-4.323045	0	
131	N157	-2.902929	0	-4.214791	0	
132	N158	-3.102365	0	-4.329936	0	
133	N138B	-5.225085	0	-0.07069	0	
134	N139	-5.080747	0	-0.154024	0	
135	N140A	-5.059914	0	-0.117939	0	
136	N141A	-5.164081	0	-0.298361	0	
137	N142A	-5.101581	0	-0.406614	0	
138	N143B	-5.301017	0	-0.521759	0	
139	N144A	-2.725085	0	4.259437	0	
140	N145A	-2.580747	0	4.176103	0	
141	N146A	-2.601581	0	4.140019	0	
142	N147A	-2.497414	0	4.320441	0	
143	N148	-2.372414	0	4.320441	0	
144	N149A	-2.372414	0	4.55073	0	
145	N151	2.377561	0	4.259437	0	
146	N152A	2.233223	0	4.176103	0	
147	N153	2.254057	0	4.140019	0	
148	N154A	2.14989	0	4.320441	0	
149	N155A	2.02489	0	4.320441	0	
150	N156A	2.02489	0	4.55073	0	
151	N157A	4.877561	0	-0.07069	0	
152	N158A	4.733223	0	-0.154024	0	
153	N159	4.71239	0	-0.117939	0	
154	N160	4.816557	0	-0.298361	0	
155	N161	4.754057	0	-0.406614	0	
156	N162	4.953493	0	-0.521759	0	
157	N162A	0.666667	0	-7.946759	0	
158	N163	2.958333	0	-3.977476	0	
159	N166	0.883173	0	-8.071759	0	
160	N167	3.17484	0	-4.102476	0	
161	N171	-7.389191	0	3.095065	0	
162	N172	-5.097524	0	-0.874218	0	
163	N175	-7.605697	0	2.970065	0	
164	N176	-5.31403	0	-0.999218	0	
165	N169	-7.882095	2	4.55073	0	
166	N170	7.534571	2	4.55073	0	
167	N171A	6.201238	2	4.55073	0	
168	N172A	1.617905	2	4.55073	0	
169	N173	-3.215429	2	4.55073	0	
170	N174	-6.548762	2	4.55073	0	
171	N175A	6.201238	2	4.80073	0	
172	N176A	1.617905	2	4.80073	0	
173	N177	-3.215429	2	4.80073	0	
174	N178A	-6.548762	2	4.80073	0	
175	N180	7.708333	2	4.249765	0	
176	N181	0.	2	-9.10146	0	
177	N182	0.666667	2	-7.946759	0	
178	N183	2.958333	2	-3.977476	0	
179	N184	5.375	2	0.208313	0	
180	N185A	7.041667	2	3.095065	0	
181	N186	0.883173	2	-8.071759	0	
182	N187A	3.17484	2	-4.102476	0	
183	N188B	5.591506	2	0.083313	0	
184	N189A	7.258173	2	2.970065	0	
185	N191A	-0.347524	2	-9.10146	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N192A	-8.055857	2	4.249765	0	
187	N193A	-7.389191	2	3.095065	0	
188	N194A	-5.097524	2	-0.874218	0	
189	N195A	-2.680857	2	-5.060008	0	
190	N196A	-1.014191	2	-7.946759	0	
191	N197	-7.605697	2	2.970065	0	
192	N198	-5.31403	2	-0.999218	0	
193	N199	-2.897364	2	-5.185008	0	
194	N200A	-1.230697	2	-8.071759	0	
195	N199A	-5.882095	2	4.55073	0	
196	N200B	5.534571	2	4.55073	0	
197	N202A	6.708333	2	2.517714	0	
198	N203	1	2	-7.369409	0	
199	N205A	-1.347524	2	-7.369409	0	
200	N206A	-7.055857	2	2.517714	0	
201	N205B	-5.882095	2	4.30073	0	
202	N206B	-6.839351	2	2.642714	0	
203	N210A	6.491827	2	2.642714	0	
204	N211A	5.534571	2	4.30073	0	
205	N215	-1.131018	2	-7.244409	0	
206	N216	0.783494	2	-7.244409	0	
207	N211B	-0.173762	0	-3.989711	0	
208	N213A	0.263738	0	-3.989711	0	
209	N214	-0.611262	0	-3.989711	0	
210	N214A	-2.347524	2	-5.637358	0	
211	N215A	2.000333	2	-5.636781	0	
212	N217	-3.542072	0	1.844373	0	
213	N218	-3.760822	0	1.465487	0	
214	N219	-3.323322	0	2.223259	0	
215	N220	-3.882095	2	4.55073	0	
216	N221	-6.055524	2	0.785086	0	
217	N223	3.194548	0	1.844373	0	
218	N224	2.975798	0	2.223259	0	
219	N225	3.413298	0	1.465487	0	
220	N226	5.708333	2	0.785664	0	
221	N227	3.533905	2	4.55073	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
3	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmember	C3X3.5	Beam	Channel	A36 Gr.36	Typical	1.09	.169	1.57	.023
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Kicker Kit	LL3x3x3x3	Column	Double Angl...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
9	Corner Plate 2	PL3/8X2.5	Column	RECT	A36 Gr.36	Typical	.938	.011	.488	.04
10	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Bracing Angle	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M132	N194	N196			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
2	M133	N195	N187			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
3	M134	N205	N206			Corner Plate	Beam	BAR	A36 Gr.36	Typical
4	M135	N189	N193			RIGID	None	None	RIGID	Typical
5	M136	N188	N192			RIGID	None	None	RIGID	Typical
6	M137	N209	N188			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
7	M138	N189	N211			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M139	N211	N212			RIGID	None	None	RIGID	Typical
9	M140	N195	N190			RIGID	None	None	RIGID	Typical
10	M141	N190	N196			RIGID	None	None	RIGID	Typical
11	M145	N206	N200			Corner Plate	Beam	BAR	A36 Gr.36	Typical
12	M146	N200	N185			RIGID	None	None	RIGID	Typical
13	M150	N205	N202			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M151	N202	N207			RIGID	None	None	RIGID	Typical
15	M152	N212	N208			RIGID	None	None	RIGID	Typical
16	M153	N208	N210			RIGID	None	None	RIGID	Typical
17	M154	N209	N210			RIGID	None	None	RIGID	Typical
18	M124	N183A	N178			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
19	M127	N188A	N190A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
20	M175	N239A	N243			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
21	M177	N252	N254			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
22	M178	N253	N245			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
23	M179	N262	N263			Corner Plate	Beam	BAR	A36 Gr.36	Typical
24	M180	N247	N251			RIGID	None	None	RIGID	Typical
25	M181	N246	N250			RIGID	None	None	RIGID	Typical
26	M182	N266	N246			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
27	M183	N247	N268			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
28	M184	N268	N269			RIGID	None	None	RIGID	Typical
29	M185	N253	N248			RIGID	None	None	RIGID	Typical
30	M186	N248	N254			RIGID	None	None	RIGID	Typical
31	M190	N263	N258			Corner Plate	Beam	BAR	A36 Gr.36	Typical
32	M191	N258	N240			RIGID	None	None	RIGID	Typical
33	M195	N262	N260			Corner Plate	Beam	BAR	A36 Gr.36	Typical
34	M196	N260	N213			RIGID	None	None	RIGID	Typical
35	M197	N269	N265			RIGID	None	None	RIGID	Typical
36	M198	N265	N267			RIGID	None	None	RIGID	Typical
37	M199	N266	N267			RIGID	None	None	RIGID	Typical
38	M175A	N238	N243A			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
39	M176A	N246A	N248A			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
40	M177A	N247A	N239			Platform Crossme...	Beam	Channel	A36 Gr.36	Typical
41	M178A	N257A	N258A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
42	M179A	N241A	N245A			RIGID	None	None	RIGID	Typical
43	M180A	N240A	N244A			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
44	M181A	N261A	N240A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
45	M182A	N241A	N263A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
46	M183A	N263A	N264			RIGID	None	None	RIGID	Typical
47	M184A	N247A	N242A			RIGID	None	None	RIGID	Typical
48	M185A	N242A	N248A			RIGID	None	None	RIGID	Typical
49	M189A	N258A	N252A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
50	M190A	N252A	N237			RIGID	None	None	RIGID	Typical
51	M194A	N257A	N254A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
52	M195A	N254A	N242			RIGID	None	None	RIGID	Typical
53	M196A	N264	N260A			RIGID	None	None	RIGID	Typical
54	M197A	N260A	N262A			RIGID	None	None	RIGID	Typical
55	M198A	N261A	N262A			RIGID	None	None	RIGID	Typical
56	M173	N235	N249			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
57	M174	N238A	N191			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
58	M175B	N237A	N242B			RIGID	None	None	RIGID	Typical
59	MP1A	N244	N243B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
60	M177B	N238B	N247B			RIGID	None	None	RIGID	Typical
61	MP2A	N249B	N248B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	M179B	N239C	N249C			RIGID	None	None	RIGID	Typical
63	MP3A	N251B	N250B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
64	M181B	N240B	N252B			RIGID	None	None	RIGID	Typical
65	MP4A	N254B	N253B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
66	MP1C	N258B	N257B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	MP2C	N260B	N259A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
68	M185B	N255B	N261B			RIGID	None	None	RIGID	Typical
69	MP3C	N263B	N262B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
70	M187B	N256B	N264A			RIGID	None	None	RIGID	Typical
71	MP4C	N266A	N265A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
72	MP1B	N271	N270			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
73	MP2B	N273	N272			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
74	M191B	N268A	N274			RIGID	None	None	RIGID	Typical
75	MP3B	N276	N275			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
76	M193B	N269A	N277			RIGID	None	None	RIGID	Typical
77	MP4B	N279	N278			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M195B	N242A	N278A			Kicker Kit	Column	Double Angle ...	A36 Gr.36	Typical
79	M97	N248	N135			Kicker Kit	Column	Double Angle ...	A36 Gr.36	Typical
80	M98	N190	N138			Kicker Kit	Column	Double Angle ...	A36 Gr.36	Typical
81	M101	N140	N141			RIGID	None	None	RIGID	Typical
82	M102	N142	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M103	N143A	N144			RIGID	None	None	RIGID	Typical
84	M104	N145	N146			Corner Plate 2	Column	RECT	A36 Gr.36	Typical
85	M105	N146	N147			Corner Plate	Beam	BAR	A36 Gr.36	Typical
86	M106	N147	N149			RIGID	None	None	RIGID	Typical
87	M108	N152	N154			RIGID	None	None	RIGID	Typical
88	M109	N155	N156			Corner Plate 2	Column	RECT	A36 Gr.36	Typical
89	M110	N156	N157			Corner Plate	Beam	BAR	A36 Gr.36	Typical
90	M111	N157	N158			RIGID	None	None	RIGID	Typical
91	M93	N138B	N139			RIGID	None	None	RIGID	Typical
92	M94	N140A	N141A			Corner Plate 2	Column	RECT	A36 Gr.36	Typical
93	M95	N141A	N142A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
94	M96	N142A	N143B			RIGID	None	None	RIGID	Typical
95	M97A	N144A	N145A			RIGID	None	None	RIGID	Typical
96	M98A	N146A	N147A			Corner Plate 2	Column	RECT	A36 Gr.36	Typical
97	M99A	N147A	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
98	M100A	N148	N149A			RIGID	None	None	RIGID	Typical
99	M101A	N151	N152A			RIGID	None	None	RIGID	Typical
100	M102A	N153	N154A			Corner Plate 2	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
101	M103A	N154A	N155A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
102	M104A	N155A	N156A			RIGID	None	None	RIGID	Typical
103	M105A	N157A	N158A			RIGID	None	None	RIGID	Typical
104	M106A	N159	N160			Corner Plate 2	Column	RECT	A36 Gr.36	Typical
105	M107	N160	N161			Corner Plate	Beam	BAR	A36 Gr.36	Typical
106	M108A	N161	N162			RIGID	None	None	RIGID	Typical
107	M109A	N162A	N166			RIGID	None	None	RIGID	Typical
108	M110A	N163	N167			RIGID	None	None	RIGID	Typical
109	M113	N171	N175			RIGID	None	None	RIGID	Typical
110	M114	N172	N176			RIGID	None	None	RIGID	Typical
111	M113A	N169	N170			Support Rail	Column	Pipe	A53 Gr.B	Typical
112	M114A	N171A	N175A			RIGID	None	None	RIGID	Typical
113	M115	N172A	N176A			RIGID	None	None	RIGID	Typical
114	M116	N173	N177			RIGID	None	None	RIGID	Typical
115	M117	N174	N178A			RIGID	None	None	RIGID	Typical
116	M118	N180	N181			Support Rail	Column	Pipe	A53 Gr.B	Typical
117	M119	N182	N186			RIGID	None	None	RIGID	Typical
118	M120	N183	N187A			RIGID	None	None	RIGID	Typical
119	M121	N184	N188B			RIGID	None	None	RIGID	Typical
120	M122	N185A	N189A			RIGID	None	None	RIGID	Typical
121	M123	N191A	N192A			Support Rail	Column	Pipe	A53 Gr.B	Typical
122	M124A	N193A	N197			RIGID	None	None	RIGID	Typical
123	M125	N194A	N198			RIGID	None	None	RIGID	Typical
124	M126	N195A	N199			RIGID	None	None	RIGID	Typical
125	M127A	N196A	N200A			RIGID	None	None	RIGID	Typical
126	M128	N205B	N199A			RIGID	None	None	RIGID	Typical
127	M129	N206B	N206A			RIGID	None	None	RIGID	Typical
128	M130	N206B	N205B		90	Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
129	M131	N210A	N202A			RIGID	None	None	RIGID	Typical
130	M132A	N211A	N200B			RIGID	None	None	RIGID	Typical
131	M133A	N211A	N210A		90	Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
132	M134A	N215	N205A			RIGID	None	None	RIGID	Typical
133	M135A	N216	N203			RIGID	None	None	RIGID	Typical
134	M136A	N216	N215		90	Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
135	M137A	N211B	N213A			RIGID	None	None	RIGID	Typical
136	M138A	N211B	N214			RIGID	None	None	RIGID	Typical
137	M139A	N214	N214A			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
138	M140A	N213A	N215A			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
139	M141A	N217	N218			RIGID	None	None	RIGID	Typical
140	M142	N217	N219			RIGID	None	None	RIGID	Typical
141	M143	N219	N220			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
142	M144	N218	N221			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
143	M145A	N223	N224			RIGID	None	None	RIGID	Typical
144	M146A	N223	N225			RIGID	None	None	RIGID	Typical
145	M147	N225	N226			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical
146	M148	N224	N227			Bracing Angle	Column	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
1	M132						Yes	Default			None
2	M133						Yes	Default			None
3	M134						Yes	Default			None
4	M135						Yes	** NA **			None
5	M136						Yes	** NA **			None
6	M137	OOOOOX	OOOOOX				Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
7	M138	OOOOOX	OOOOOX				Yes	Default			None
8	M139						Yes	** NA **			None
9	M140						Yes	** NA **			None
10	M141						Yes	** NA **			None
11	M145						Yes				None
12	M146		BenPIN				Yes	** NA **			None
13	M150						Yes				None
14	M151		BenPIN				Yes	** NA **			None
15	M152						Yes	** NA **			None
16	M153						Yes	** NA **			None
17	M154						Yes	** NA **			None
18	M124						Yes				None
19	M127						Yes				None
20	M175						Yes				None
21	M177						Yes	Default			None
22	M178						Yes	Default			None
23	M179						Yes	Default			None
24	M180						Yes	** NA **			None
25	M181						Yes	** NA **			None
26	M182	OOOOOX	OOOOOX				Yes	Default			None
27	M183	OOOOOX	OOOOOX				Yes	Default			None
28	M184						Yes	** NA **			None
29	M185						Yes	** NA **			None
30	M186						Yes	** NA **			None
31	M190						Yes				None
32	M191		BenPIN				Yes	** NA **			None
33	M195						Yes				None
34	M196		BenPIN				Yes	** NA **			None
35	M197						Yes	** NA **			None
36	M198						Yes	** NA **			None
37	M199						Yes	** NA **			None
38	M175A						Yes				None
39	M176A						Yes	Default			None
40	M177A						Yes	Default			None
41	M178A						Yes	Default			None
42	M179A						Yes	** NA **			None
43	M180A						Yes	** NA **			None
44	M181A	OOOOOX	OOOOOX				Yes	Default			None
45	M182A	OOOOOX	OOOOOX				Yes	Default			None
46	M183A						Yes	** NA **			None
47	M184A						Yes	** NA **			None
48	M185A						Yes	** NA **			None
49	M189A						Yes				None
50	M190A		BenPIN				Yes	** NA **			None
51	M194A						Yes				None
52	M195A		BenPIN				Yes	** NA **			None
53	M196A						Yes	** NA **			None
54	M197A						Yes	** NA **			None
55	M198A						Yes	** NA **			None
56	M173						Yes				None
57	M174						Yes				None
58	M175B						Yes	** NA **			None
59	MP1A						Yes	** NA **			None
60	M177B						Yes	** NA **			None
61	MP2A						Yes	** NA **			None
62	M179B						Yes	** NA **			None
63	MP3A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
64	M181B						Yes	** NA **			None
65	MP4A						Yes	** NA **			None
66	MP1C						Yes	** NA **			None
67	MP2C						Yes	** NA **			None
68	M185B						Yes	** NA **			None
69	MP3C						Yes	** NA **			None
70	M187B						Yes	** NA **			None
71	MP4C						Yes	** NA **			None
72	MP1B						Yes	** NA **			None
73	MP2B						Yes	** NA **			None
74	M191B						Yes	** NA **			None
75	MP3B						Yes	** NA **			None
76	M193B						Yes	** NA **			None
77	MP4B						Yes	** NA **			None
78	M195B	BenPIN	BenPIN				Yes	** NA **			None
79	M97	BenPIN	BenPIN				Yes	** NA **			None
80	M98	BenPIN	BenPIN				Yes	** NA **			None
81	M101						Yes	** NA **			None
82	M102						Yes	** NA **			None
83	M103						Yes	** NA **			None
84	M104						Yes	** NA **			None
85	M105						Yes				None
86	M106		BenPIN				Yes	** NA **			None
87	M108						Yes	** NA **			None
88	M109						Yes	** NA **			None
89	M110						Yes				None
90	M111		BenPIN				Yes	** NA **			None
91	M93						Yes	** NA **			None
92	M94						Yes	** NA **			None
93	M95						Yes				None
94	M96		BenPIN				Yes	** NA **			None
95	M97A						Yes	** NA **			None
96	M98A						Yes	** NA **			None
97	M99A						Yes				None
98	M100A		BenPIN				Yes	** NA **			None
99	M101A						Yes	** NA **			None
100	M102A						Yes	** NA **			None
101	M103A						Yes				None
102	M104A		BenPIN				Yes	** NA **			None
103	M105A						Yes	** NA **			None
104	M106A						Yes	** NA **			None
105	M107						Yes				None
106	M108A		BenPIN				Yes	** NA **			None
107	M109A						Yes	** NA **			None
108	M110A						Yes	** NA **			None
109	M113						Yes	** NA **			None
110	M114						Yes	** NA **			None
111	M113A						Yes	** NA **			None
112	M114A						Yes	** NA **			None
113	M115						Yes	** NA **			None
114	M116						Yes	** NA **			None
115	M117						Yes	** NA **			None
116	M118						Yes	** NA **			None
117	M119						Yes	** NA **			None
118	M120						Yes	** NA **			None
119	M121						Yes	** NA **			None
120	M122						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
121	M123						Yes	** NA **			None
122	M124A						Yes	** NA **			None
123	M125						Yes	** NA **			None
124	M126						Yes	** NA **			None
125	M127A						Yes	** NA **			None
126	M128		OOOOOO				Yes	** NA **			None
127	M129		OOOOOO				Yes	** NA **			None
128	M130						Yes	** NA **			None
129	M131		OOOOOO				Yes	** NA **			None
130	M132A		OOOOOO				Yes	** NA **			None
131	M133A						Yes	** NA **			None
132	M134A		OOOOOO				Yes	** NA **			None
133	M135A		OOOOOO				Yes	** NA **			None
134	M136A						Yes	** NA **			None
135	M137A						Yes	** NA **			None
136	M138A						Yes	** NA **			None
137	M139A	BenPIN	BenPIN				Yes	** NA **			None
138	M140A	BenPIN	BenPIN				Yes	** NA **			None
139	M141A						Yes	** NA **			None
140	M142						Yes	** NA **			None
141	M143	BenPIN	BenPIN				Yes	** NA **			None
142	M144	BenPIN	BenPIN				Yes	** NA **			None
143	M145A						Yes	** NA **			None
144	M146A						Yes	** NA **			None
145	M147	BenPIN	BenPIN				Yes	** NA **			None
146	M148	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	1.5
2	MP4A	My	-.036	1.5
3	MP4A	Mz	0	1.5
4	MP4A	Y	-43.55	4
5	MP4A	My	-.036	4
6	MP4A	Mz	0	4
7	MP4B	Y	-43.55	1.5
8	MP4B	My	.018	1.5
9	MP4B	Mz	-.031	1.5
10	MP4B	Y	-43.55	4
11	MP4B	My	.018	4
12	MP4B	Mz	-.031	4
13	MP4C	Y	-43.55	1.5
14	MP4C	My	.012	1.5
15	MP4C	Mz	.034	1.5
16	MP4C	Y	-43.55	4
17	MP4C	My	.012	4
18	MP4C	Mz	.034	4
19	M102	Y	-32	1
20	M102	My	0	1
21	M102	Mz	0	1
22	MP2B	Y	-74.7	1.5
23	MP2B	My	-.019	1.5
24	MP2B	Mz	.032	1.5
25	MP2C	Y	-74.7	1.5
26	MP2C	My	-.013	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2C	Mz	-.035	1.5
28	MP3A	Y	-74.7	1.5
29	MP3A	My	.037	1.5
30	MP3A	Mz	0	1.5
31	MP2A	Y	-70.3	1.5
32	MP2A	My	.035	1.5
33	MP2A	Mz	0	1.5
34	MP3B	Y	-70.3	1.5
35	MP3B	My	-.018	1.5
36	MP3B	Mz	.03	1.5
37	MP3C	Y	-70.3	1.5
38	MP3C	My	-.012	1.5
39	MP3C	Mz	-.033	1.5
40	MP2A	Y	-20	1
41	MP2A	My	-.017	1
42	MP2A	Mz	.013	1
43	MP2A	Y	-20	4.5
44	MP2A	My	-.017	4.5
45	MP2A	Mz	.013	4.5
46	MP2A	Y	-20	1
47	MP2A	My	-.017	1
48	MP2A	Mz	-.013	1
49	MP2A	Y	-20	4.5
50	MP2A	My	-.017	4.5
51	MP2A	Mz	-.013	4.5
52	MP3B	Y	-20	1
53	MP3B	My	-.003	1
54	MP3B	Mz	-.021	1
55	MP3B	Y	-20	4.5
56	MP3B	My	-.003	4.5
57	MP3B	Mz	-.021	4.5
58	MP3C	Y	-20	1
59	MP3C	My	-.007	1
60	MP3C	Mz	.02	1
61	MP3C	Y	-20	4.5
62	MP3C	My	-.007	4.5
63	MP3C	Mz	.02	4.5
64	MP3B	Y	-20	1
65	MP3B	My	.02	1
66	MP3B	Mz	-.008	1
67	MP3B	Y	-20	4.5
68	MP3B	My	.02	4.5
69	MP3B	Mz	-.008	4.5
70	MP3C	Y	-20	1
71	MP3C	My	.018	1
72	MP3C	Mz	.011	1
73	MP3C	Y	-20	4.5
74	MP3C	My	.018	4.5
75	MP3C	Mz	.011	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-51.946	1.5
2	MP4A	My	-.043	1.5
3	MP4A	Mz	0	1.5
4	MP4A	Y	-51.946	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	My	-.043	4
6	MP4A	Mz	0	4
7	MP4B	Y	-51.946	1.5
8	MP4B	My	.022	1.5
9	MP4B	Mz	-.037	1.5
10	MP4B	Y	-51.946	4
11	MP4B	My	.022	4
12	MP4B	Mz	-.037	4
13	MP4C	Y	-51.946	1.5
14	MP4C	My	.015	1.5
15	MP4C	Mz	.041	1.5
16	MP4C	Y	-51.946	4
17	MP4C	My	.015	4
18	MP4C	Mz	.041	4
19	M102	Y	-127.314	1
20	M102	My	0	1
21	M102	Mz	0	1
22	MP2B	Y	-65.911	1.5
23	MP2B	My	-.016	1.5
24	MP2B	Mz	.029	1.5
25	MP2C	Y	-65.911	1.5
26	MP2C	My	-.011	1.5
27	MP2C	Mz	-.031	1.5
28	MP3A	Y	-65.911	1.5
29	MP3A	My	.033	1.5
30	MP3A	Mz	0	1.5
31	MP2A	Y	-62.856	1.5
32	MP2A	My	.031	1.5
33	MP2A	Mz	0	1.5
34	MP3B	Y	-62.856	1.5
35	MP3B	My	-.016	1.5
36	MP3B	Mz	.027	1.5
37	MP3C	Y	-62.856	1.5
38	MP3C	My	-.011	1.5
39	MP3C	Mz	-.03	1.5
40	MP2A	Y	-88.755	1
41	MP2A	My	-.074	1
42	MP2A	Mz	.059	1
43	MP2A	Y	-88.755	4.5
44	MP2A	My	-.074	4.5
45	MP2A	Mz	.059	4.5
46	MP2A	Y	-88.755	1
47	MP2A	My	-.074	1
48	MP2A	Mz	-.059	1
49	MP2A	Y	-88.755	4.5
50	MP2A	My	-.074	4.5
51	MP2A	Mz	-.059	4.5
52	MP3B	Y	-88.755	1
53	MP3B	My	-.014	1
54	MP3B	Mz	-.094	1
55	MP3B	Y	-88.755	4.5
56	MP3B	My	-.014	4.5
57	MP3B	Mz	-.094	4.5
58	MP3C	Y	-88.755	1
59	MP3C	My	-.03	1
60	MP3C	Mz	.09	1
61	MP3C	Y	-88.755	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	My	-.03	4.5
63	MP3C	Mz	.09	4.5
64	MP3B	Y	-88.755	1
65	MP3B	My	.088	1
66	MP3B	Mz	-.034	1
67	MP3B	Y	-88.755	4.5
68	MP3B	My	.088	4.5
69	MP3B	Mz	-.034	4.5
70	MP3C	Y	-88.755	1
71	MP3C	My	.081	1
72	MP3C	Mz	.049	1
73	MP3C	Y	-88.755	4.5
74	MP3C	My	.081	4.5
75	MP3C	Mz	.049	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-78.404	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4
5	MP4A	Z	-78.404	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	-42.622	1.5
9	MP4B	Mx	.031	1.5
10	MP4B	X	0	4
11	MP4B	Z	-42.622	4
12	MP4B	Mx	.031	4
13	MP4C	X	0	1.5
14	MP4C	Z	-36.276	1.5
15	MP4C	Mx	-.028	1.5
16	MP4C	X	0	4
17	MP4C	Z	-36.276	4
18	MP4C	Mx	-.028	4
19	M102	X	0	1
20	M102	Z	-116.611	1
21	M102	Mx	0	1
22	MP2B	X	0	1.5
23	MP2B	Z	-46.875	1.5
24	MP2B	Mx	-.02	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-44.124	1.5
27	MP2C	Mx	.021	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-62.389	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	-62.389	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	-44.06	1.5
36	MP3B	Mx	-.019	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	-40.809	1.5
39	MP3C	Mx	.019	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	0	1
41	MP2A	Z	-136.122	1
42	MP2A	Mx	-.091	1
43	MP2A	X	0	4.5
44	MP2A	Z	-136.122	4.5
45	MP2A	Mx	-.091	4.5
46	MP2A	X	0	1
47	MP2A	Z	-136.122	1
48	MP2A	Mx	.091	1
49	MP2A	X	0	4.5
50	MP2A	Z	-136.122	4.5
51	MP2A	Mx	.091	4.5
52	MP3B	X	0	1
53	MP3B	Z	-101.544	1
54	MP3B	Mx	.107	1
55	MP3B	X	0	4.5
56	MP3B	Z	-101.544	4.5
57	MP3B	Mx	.107	4.5
58	MP3C	X	0	1
59	MP3C	Z	-95.411	1
60	MP3C	Mx	-.096	1
61	MP3C	X	0	4.5
62	MP3C	Z	-95.411	4.5
63	MP3C	Mx	-.096	4.5
64	MP3B	X	0	1
65	MP3B	Z	-101.544	1
66	MP3B	Mx	.039	1
67	MP3B	X	0	4.5
68	MP3B	Z	-101.544	4.5
69	MP3B	Mx	.039	4.5
70	MP3C	X	0	1
71	MP3C	Z	-95.411	1
72	MP3C	Mx	-.053	1
73	MP3C	X	0	4.5
74	MP3C	Z	-95.411	4.5
75	MP3C	Mx	-.053	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.238	1.5
2	MP4A	Z	-57.57	1.5
3	MP4A	Mx	-.028	1.5
4	MP4A	X	33.238	4
5	MP4A	Z	-57.57	4
6	MP4A	Mx	-.028	4
7	MP4B	X	15.347	1.5
8	MP4B	Z	-26.583	1.5
9	MP4B	Mx	.026	1.5
10	MP4B	X	15.347	4
11	MP4B	Z	-26.583	4
12	MP4B	Mx	.026	4
13	MP4C	X	29.346	1.5
14	MP4C	Z	-50.828	1.5
15	MP4C	Mx	-.031	1.5
16	MP4C	X	29.346	4
17	MP4C	Z	-50.828	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	-.031	4
19	M102	X	52.155	1
20	M102	Z	-90.336	1
21	M102	Mx	0	1
22	MP2B	X	20.852	1.5
23	MP2B	Z	-36.117	1.5
24	MP2B	Mx	-.021	1.5
25	MP2C	X	26.921	1.5
26	MP2C	Z	-46.629	1.5
27	MP2C	Mx	.017	1.5
28	MP3A	X	28.609	1.5
29	MP3A	Z	-49.552	1.5
30	MP3A	Mx	.014	1.5
31	MP2A	X	28.14	1.5
32	MP2A	Z	-48.74	1.5
33	MP2A	Mx	.014	1.5
34	MP3B	X	18.975	1.5
35	MP3B	Z	-32.866	1.5
36	MP3B	Mx	-.019	1.5
37	MP3C	X	26.146	1.5
38	MP3C	Z	-45.286	1.5
39	MP3C	Mx	.017	1.5
40	MP2A	X	62.298	1
41	MP2A	Z	-107.903	1
42	MP2A	Mx	-.124	1
43	MP2A	X	62.298	4.5
44	MP2A	Z	-107.903	4.5
45	MP2A	Mx	-.124	4.5
46	MP2A	X	62.298	1
47	MP2A	Z	-107.903	1
48	MP2A	Mx	.02	1
49	MP2A	X	62.298	4.5
50	MP2A	Z	-107.903	4.5
51	MP2A	Mx	.02	4.5
52	MP3B	X	45.009	1
53	MP3B	Z	-77.958	1
54	MP3B	Mx	.075	1
55	MP3B	X	45.009	4.5
56	MP3B	Z	-77.958	4.5
57	MP3B	Mx	.075	4.5
58	MP3C	X	58.537	1
59	MP3C	Z	-101.388	1
60	MP3C	Mx	-.122	1
61	MP3C	X	58.537	4.5
62	MP3C	Z	-101.388	4.5
63	MP3C	Mx	-.122	4.5
64	MP3B	X	45.009	1
65	MP3B	Z	-77.958	1
66	MP3B	Mx	.075	1
67	MP3B	X	45.009	4.5
68	MP3B	Z	-77.958	4.5
69	MP3B	Mx	.075	4.5
70	MP3C	X	58.537	1
71	MP3C	Z	-101.388	1
72	MP3C	Mx	-.003	1
73	MP3C	X	58.537	4.5
74	MP3C	Z	-101.388	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.912	1.5
2	MP4A	Z	-21.311	1.5
3	MP4A	Mx	-.031	1.5
4	MP4A	X	36.912	4
5	MP4A	Z	-21.311	4
6	MP4A	Mx	-.031	4
7	MP4B	X	36.912	1.5
8	MP4B	Z	-21.311	1.5
9	MP4B	Mx	.031	1.5
10	MP4B	X	36.912	4
11	MP4B	Z	-21.311	4
12	MP4B	Mx	.031	4
13	MP4C	X	66.654	1.5
14	MP4C	Z	-38.482	1.5
15	MP4C	Mx	-.011	1.5
16	MP4C	X	66.654	4
17	MP4C	Z	-38.482	4
18	MP4C	Mx	-.011	4
19	M102	X	92.75	1
20	M102	Z	-53.549	1
21	M102	Mx	0	1
22	MP2B	X	40.595	1.5
23	MP2B	Z	-23.438	1.5
24	MP2B	Mx	-.02	1.5
25	MP2C	X	53.49	1.5
26	MP2C	Z	-30.883	1.5
27	MP2C	Mx	.005	1.5
28	MP3A	X	40.595	1.5
29	MP3A	Z	-23.438	1.5
30	MP3A	Mx	.02	1.5
31	MP2A	X	38.157	1.5
32	MP2A	Z	-22.03	1.5
33	MP2A	Mx	.019	1.5
34	MP3B	X	38.157	1.5
35	MP3B	Z	-22.03	1.5
36	MP3B	Mx	-.019	1.5
37	MP3C	X	53.392	1.5
38	MP3C	Z	-30.826	1.5
39	MP3C	Mx	.005	1.5
40	MP2A	X	87.94	1
41	MP2A	Z	-50.772	1
42	MP2A	Mx	-.107	1
43	MP2A	X	87.94	4.5
44	MP2A	Z	-50.772	4.5
45	MP2A	Mx	-.107	4.5
46	MP2A	X	87.94	1
47	MP2A	Z	-50.772	1
48	MP2A	Mx	-.039	1
49	MP2A	X	87.94	4.5
50	MP2A	Z	-50.772	4.5
51	MP2A	Mx	-.039	4.5
52	MP3B	X	87.94	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	Z	-50.772	1
54	MP3B	Mx	.039	1
55	MP3B	X	87.94	4.5
56	MP3B	Z	-50.772	4.5
57	MP3B	Mx	.039	4.5
58	MP3C	X	116.681	1
59	MP3C	Z	-67.366	1
60	MP3C	Mx	-.108	1
61	MP3C	X	116.681	4.5
62	MP3C	Z	-67.366	4.5
63	MP3C	Mx	-.108	4.5
64	MP3B	X	87.94	1
65	MP3B	Z	-50.772	1
66	MP3B	Mx	.107	1
67	MP3B	X	87.94	4.5
68	MP3B	Z	-50.772	4.5
69	MP3B	Mx	.107	4.5
70	MP3C	X	116.681	1
71	MP3C	Z	-67.366	1
72	MP3C	Mx	.069	1
73	MP3C	X	116.681	4.5
74	MP3C	Z	-67.366	4.5
75	MP3C	Mx	.069	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	30.695	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.026	1.5
4	MP4A	X	30.695	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.026	4
7	MP4B	X	66.476	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	.028	1.5
10	MP4B	X	66.476	4
11	MP4B	Z	0	4
12	MP4B	Mx	.028	4
13	MP4C	X	72.823	1.5
14	MP4C	Z	0	1.5
15	MP4C	Mx	.021	1.5
16	MP4C	X	72.823	4
17	MP4C	Z	0	4
18	MP4C	Mx	.021	4
19	M102	X	122.187	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	57.218	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.014	1.5
25	MP2C	X	59.97	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.01	1.5
28	MP3A	X	41.704	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.021	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	37.951	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	.019	1.5
34	MP3B	X	56.28	1.5
35	MP3B	Z	0	1.5
36	MP3B	Mx	-.014	1.5
37	MP3C	X	59.53	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.01	1.5
40	MP2A	X	90.018	1
41	MP2A	Z	0	1
42	MP2A	Mx	-.075	1
43	MP2A	X	90.018	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.075	4.5
46	MP2A	X	90.018	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.075	1
49	MP2A	X	90.018	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	-.075	4.5
52	MP3B	X	124.596	1
53	MP3B	Z	0	1
54	MP3B	Mx	-.02	1
55	MP3B	X	124.596	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	-.02	4.5
58	MP3C	X	130.729	1
59	MP3C	Z	0	1
60	MP3C	Mx	-.045	1
61	MP3C	X	130.729	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	-.045	4.5
64	MP3B	X	124.596	1
65	MP3B	Z	0	1
66	MP3B	Mx	.124	1
67	MP3B	X	124.596	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	.124	4.5
70	MP3C	X	130.729	1
71	MP3C	Z	0	1
72	MP3C	Mx	.119	1
73	MP3C	X	130.729	4.5
74	MP3C	Z	0	4.5
75	MP3C	Mx	.119	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.912	1.5
2	MP4A	Z	21.311	1.5
3	MP4A	Mx	-.031	1.5
4	MP4A	X	36.912	4
5	MP4A	Z	21.311	4
6	MP4A	Mx	-.031	4
7	MP4B	X	67.899	1.5
8	MP4B	Z	39.202	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	0	1.5
10	MP4B	X	67.899	4
11	MP4B	Z	39.202	4
12	MP4B	Mx	0	4
13	MP4C	X	43.654	1.5
14	MP4C	Z	25.203	1.5
15	MP4C	Mx	.032	1.5
16	MP4C	X	43.654	4
17	MP4C	Z	25.203	4
18	MP4C	Mx	.032	4
19	M102	X	116.469	1
20	M102	Z	67.243	1
21	M102	Mx	0	1
22	MP2B	X	54.031	1.5
23	MP2B	Z	31.195	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	43.518	1.5
26	MP2C	Z	25.125	1.5
27	MP2C	Mx	-.019	1.5
28	MP3A	X	40.595	1.5
29	MP3A	Z	23.438	1.5
30	MP3A	Mx	.02	1.5
31	MP2A	X	38.157	1.5
32	MP2A	Z	22.03	1.5
33	MP2A	Mx	.019	1.5
34	MP3B	X	54.031	1.5
35	MP3B	Z	31.195	1.5
36	MP3B	Mx	0	1.5
37	MP3C	X	41.611	1.5
38	MP3C	Z	24.024	1.5
39	MP3C	Mx	-.018	1.5
40	MP2A	X	87.94	1
41	MP2A	Z	50.772	1
42	MP2A	Mx	-.039	1
43	MP2A	X	87.94	4.5
44	MP2A	Z	50.772	4.5
45	MP2A	Mx	-.039	4.5
46	MP2A	X	87.94	1
47	MP2A	Z	50.772	1
48	MP2A	Mx	-.107	1
49	MP2A	X	87.94	4.5
50	MP2A	Z	50.772	4.5
51	MP2A	Mx	-.107	4.5
52	MP3B	X	117.885	1
53	MP3B	Z	68.061	1
54	MP3B	Mx	-.091	1
55	MP3B	X	117.885	4.5
56	MP3B	Z	68.061	4.5
57	MP3B	Mx	-.091	4.5
58	MP3C	X	94.455	1
59	MP3C	Z	54.534	1
60	MP3C	Mx	.023	1
61	MP3C	X	94.455	4.5
62	MP3C	Z	54.534	4.5
63	MP3C	Mx	.023	4.5
64	MP3B	X	117.885	1
65	MP3B	Z	68.061	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.091	1
67	MP3B	X	117.885	4.5
68	MP3B	Z	68.061	4.5
69	MP3B	Mx	.091	4.5
70	MP3C	X	94.455	1
71	MP3C	Z	54.534	1
72	MP3C	Mx	.116	1
73	MP3C	X	94.455	4.5
74	MP3C	Z	54.534	4.5
75	MP3C	Mx	.116	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.238	1.5
2	MP4A	Z	57.57	1.5
3	MP4A	Mx	-.028	1.5
4	MP4A	X	33.238	4
5	MP4A	Z	57.57	4
6	MP4A	Mx	-.028	4
7	MP4B	X	33.238	1.5
8	MP4B	Z	57.57	1.5
9	MP4B	Mx	-.028	1.5
10	MP4B	X	33.238	4
11	MP4B	Z	57.57	4
12	MP4B	Mx	-.028	4
13	MP4C	X	16.067	1.5
14	MP4C	Z	27.828	1.5
15	MP4C	Mx	.026	1.5
16	MP4C	X	16.067	4
17	MP4C	Z	27.828	4
18	MP4C	Mx	.026	4
19	M102	X	65.849	1
20	M102	Z	114.054	1
21	M102	Mx	0	1
22	MP2B	X	28.609	1.5
23	MP2B	Z	49.552	1.5
24	MP2B	Mx	.014	1.5
25	MP2C	X	21.164	1.5
26	MP2C	Z	36.657	1.5
27	MP2C	Mx	-.021	1.5
28	MP3A	X	28.609	1.5
29	MP3A	Z	49.552	1.5
30	MP3A	Mx	.014	1.5
31	MP2A	X	28.14	1.5
32	MP2A	Z	48.74	1.5
33	MP2A	Mx	.014	1.5
34	MP3B	X	28.14	1.5
35	MP3B	Z	48.74	1.5
36	MP3B	Mx	.014	1.5
37	MP3C	X	19.344	1.5
38	MP3C	Z	33.504	1.5
39	MP3C	Mx	-.019	1.5
40	MP2A	X	62.298	1
41	MP2A	Z	107.903	1
42	MP2A	Mx	.02	1
43	MP2A	X	62.298	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2A	Z	107.903	4.5
45	MP2A	Mx	.02	4.5
46	MP2A	X	62.298	1
47	MP2A	Z	107.903	1
48	MP2A	Mx	-.124	1
49	MP2A	X	62.298	4.5
50	MP2A	Z	107.903	4.5
51	MP2A	Mx	-.124	4.5
52	MP3B	X	62.298	1
53	MP3B	Z	107.903	1
54	MP3B	Mx	-.124	1
55	MP3B	X	62.298	4.5
56	MP3B	Z	107.903	4.5
57	MP3B	Mx	-.124	4.5
58	MP3C	X	45.704	1
59	MP3C	Z	79.162	1
60	MP3C	Mx	.064	1
61	MP3C	X	45.704	4.5
62	MP3C	Z	79.162	4.5
63	MP3C	Mx	.064	4.5
64	MP3B	X	62.298	1
65	MP3B	Z	107.903	1
66	MP3B	Mx	.02	1
67	MP3B	X	62.298	4.5
68	MP3B	Z	107.903	4.5
69	MP3B	Mx	.02	4.5
70	MP3C	X	45.704	1
71	MP3C	Z	79.162	1
72	MP3C	Mx	.086	1
73	MP3C	X	45.704	4.5
74	MP3C	Z	79.162	4.5
75	MP3C	Mx	.086	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	78.404	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4
5	MP4A	Z	78.404	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	42.622	1.5
9	MP4B	Mx	-.031	1.5
10	MP4B	X	0	4
11	MP4B	Z	42.622	4
12	MP4B	Mx	-.031	4
13	MP4C	X	0	1.5
14	MP4C	Z	36.276	1.5
15	MP4C	Mx	.028	1.5
16	MP4C	X	0	4
17	MP4C	Z	36.276	4
18	MP4C	Mx	.028	4
19	M102	X	0	1
20	M102	Z	116.611	1
21	M102	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	0	1.5
23	MP2B	Z	46.875	1.5
24	MP2B	Mx	.02	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	44.124	1.5
27	MP2C	Mx	-.021	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	62.389	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	62.389	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	44.06	1.5
36	MP3B	Mx	.019	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	40.809	1.5
39	MP3C	Mx	-.019	1.5
40	MP2A	X	0	1
41	MP2A	Z	136.122	1
42	MP2A	Mx	.091	1
43	MP2A	X	0	4.5
44	MP2A	Z	136.122	4.5
45	MP2A	Mx	.091	4.5
46	MP2A	X	0	1
47	MP2A	Z	136.122	1
48	MP2A	Mx	-.091	1
49	MP2A	X	0	4.5
50	MP2A	Z	136.122	4.5
51	MP2A	Mx	-.091	4.5
52	MP3B	X	0	1
53	MP3B	Z	101.544	1
54	MP3B	Mx	-.107	1
55	MP3B	X	0	4.5
56	MP3B	Z	101.544	4.5
57	MP3B	Mx	-.107	4.5
58	MP3C	X	0	1
59	MP3C	Z	95.411	1
60	MP3C	Mx	.096	1
61	MP3C	X	0	4.5
62	MP3C	Z	95.411	4.5
63	MP3C	Mx	.096	4.5
64	MP3B	X	0	1
65	MP3B	Z	101.544	1
66	MP3B	Mx	-.039	1
67	MP3B	X	0	4.5
68	MP3B	Z	101.544	4.5
69	MP3B	Mx	-.039	4.5
70	MP3C	X	0	1
71	MP3C	Z	95.411	1
72	MP3C	Mx	.053	1
73	MP3C	X	0	4.5
74	MP3C	Z	95.411	4.5
75	MP3C	Mx	.053	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.238	1.5
2	MP4A	Z	57.57	1.5
3	MP4A	Mx	.028	1.5
4	MP4A	X	-33.238	4
5	MP4A	Z	57.57	4
6	MP4A	Mx	.028	4
7	MP4B	X	-15.347	1.5
8	MP4B	Z	26.583	1.5
9	MP4B	Mx	-.026	1.5
10	MP4B	X	-15.347	4
11	MP4B	Z	26.583	4
12	MP4B	Mx	-.026	4
13	MP4C	X	-29.346	1.5
14	MP4C	Z	50.828	1.5
15	MP4C	Mx	.031	1.5
16	MP4C	X	-29.346	4
17	MP4C	Z	50.828	4
18	MP4C	Mx	.031	4
19	M102	X	-52.155	1
20	M102	Z	90.336	1
21	M102	Mx	0	1
22	MP2B	X	-20.852	1.5
23	MP2B	Z	36.117	1.5
24	MP2B	Mx	.021	1.5
25	MP2C	X	-26.921	1.5
26	MP2C	Z	46.629	1.5
27	MP2C	Mx	-.017	1.5
28	MP3A	X	-28.609	1.5
29	MP3A	Z	49.552	1.5
30	MP3A	Mx	-.014	1.5
31	MP2A	X	-28.14	1.5
32	MP2A	Z	48.74	1.5
33	MP2A	Mx	-.014	1.5
34	MP3B	X	-18.975	1.5
35	MP3B	Z	32.866	1.5
36	MP3B	Mx	.019	1.5
37	MP3C	X	-26.146	1.5
38	MP3C	Z	45.286	1.5
39	MP3C	Mx	-.017	1.5
40	MP2A	X	-62.298	1
41	MP2A	Z	107.903	1
42	MP2A	Mx	.124	1
43	MP2A	X	-62.298	4.5
44	MP2A	Z	107.903	4.5
45	MP2A	Mx	.124	4.5
46	MP2A	X	-62.298	1
47	MP2A	Z	107.903	1
48	MP2A	Mx	-.02	1
49	MP2A	X	-62.298	4.5
50	MP2A	Z	107.903	4.5
51	MP2A	Mx	-.02	4.5
52	MP3B	X	-45.009	1
53	MP3B	Z	77.958	1
54	MP3B	Mx	-.075	1
55	MP3B	X	-45.009	4.5
56	MP3B	Z	77.958	4.5
57	MP3B	Mx	-.075	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-58.537	1
59	MP3C	Z	101.388	1
60	MP3C	Mx	.122	1
61	MP3C	X	-58.537	4.5
62	MP3C	Z	101.388	4.5
63	MP3C	Mx	.122	4.5
64	MP3B	X	-45.009	1
65	MP3B	Z	77.958	1
66	MP3B	Mx	-.075	1
67	MP3B	X	-45.009	4.5
68	MP3B	Z	77.958	4.5
69	MP3B	Mx	-.075	4.5
70	MP3C	X	-58.537	1
71	MP3C	Z	101.388	1
72	MP3C	Mx	.003	1
73	MP3C	X	-58.537	4.5
74	MP3C	Z	101.388	4.5
75	MP3C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.912	1.5
2	MP4A	Z	21.311	1.5
3	MP4A	Mx	.031	1.5
4	MP4A	X	-36.912	4
5	MP4A	Z	21.311	4
6	MP4A	Mx	.031	4
7	MP4B	X	-36.912	1.5
8	MP4B	Z	21.311	1.5
9	MP4B	Mx	-.031	1.5
10	MP4B	X	-36.912	4
11	MP4B	Z	21.311	4
12	MP4B	Mx	-.031	4
13	MP4C	X	-66.654	1.5
14	MP4C	Z	38.482	1.5
15	MP4C	Mx	.011	1.5
16	MP4C	X	-66.654	4
17	MP4C	Z	38.482	4
18	MP4C	Mx	.011	4
19	M102	X	-92.75	1
20	M102	Z	53.549	1
21	M102	Mx	0	1
22	MP2B	X	-40.595	1.5
23	MP2B	Z	23.438	1.5
24	MP2B	Mx	.02	1.5
25	MP2C	X	-53.49	1.5
26	MP2C	Z	30.883	1.5
27	MP2C	Mx	-.005	1.5
28	MP3A	X	-40.595	1.5
29	MP3A	Z	23.438	1.5
30	MP3A	Mx	-.02	1.5
31	MP2A	X	-38.157	1.5
32	MP2A	Z	22.03	1.5
33	MP2A	Mx	-.019	1.5
34	MP3B	X	-38.157	1.5
35	MP3B	Z	22.03	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	.019	1.5
37	MP3C	X	-53.392	1.5
38	MP3C	Z	30.826	1.5
39	MP3C	Mx	-.005	1.5
40	MP2A	X	-87.94	1
41	MP2A	Z	50.772	1
42	MP2A	Mx	.107	1
43	MP2A	X	-87.94	4.5
44	MP2A	Z	50.772	4.5
45	MP2A	Mx	.107	4.5
46	MP2A	X	-87.94	1
47	MP2A	Z	50.772	1
48	MP2A	Mx	.039	1
49	MP2A	X	-87.94	4.5
50	MP2A	Z	50.772	4.5
51	MP2A	Mx	.039	4.5
52	MP3B	X	-87.94	1
53	MP3B	Z	50.772	1
54	MP3B	Mx	-.039	1
55	MP3B	X	-87.94	4.5
56	MP3B	Z	50.772	4.5
57	MP3B	Mx	-.039	4.5
58	MP3C	X	-116.681	1
59	MP3C	Z	67.366	1
60	MP3C	Mx	.108	1
61	MP3C	X	-116.681	4.5
62	MP3C	Z	67.366	4.5
63	MP3C	Mx	.108	4.5
64	MP3B	X	-87.94	1
65	MP3B	Z	50.772	1
66	MP3B	Mx	-.107	1
67	MP3B	X	-87.94	4.5
68	MP3B	Z	50.772	4.5
69	MP3B	Mx	-.107	4.5
70	MP3C	X	-116.681	1
71	MP3C	Z	67.366	1
72	MP3C	Mx	-.069	1
73	MP3C	X	-116.681	4.5
74	MP3C	Z	67.366	4.5
75	MP3C	Mx	-.069	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-30.695	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.026	1.5
4	MP4A	X	-30.695	4
5	MP4A	Z	0	4
6	MP4A	Mx	.026	4
7	MP4B	X	-66.476	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	-.028	1.5
10	MP4B	X	-66.476	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.028	4
13	MP4C	X	-72.823	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	0	1.5
15	MP4C	Mx	-.021	1.5
16	MP4C	X	-72.823	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.021	4
19	M102	X	-122.187	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	-57.218	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.014	1.5
25	MP2C	X	-59.97	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.01	1.5
28	MP3A	X	-41.704	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.021	1.5
31	MP2A	X	-37.951	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	-.019	1.5
34	MP3B	X	-56.28	1.5
35	MP3B	Z	0	1.5
36	MP3B	Mx	.014	1.5
37	MP3C	X	-59.53	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	.01	1.5
40	MP2A	X	-90.018	1
41	MP2A	Z	0	1
42	MP2A	Mx	.075	1
43	MP2A	X	-90.018	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.075	4.5
46	MP2A	X	-90.018	1
47	MP2A	Z	0	1
48	MP2A	Mx	.075	1
49	MP2A	X	-90.018	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	.075	4.5
52	MP3B	X	-124.596	1
53	MP3B	Z	0	1
54	MP3B	Mx	.02	1
55	MP3B	X	-124.596	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	.02	4.5
58	MP3C	X	-130.729	1
59	MP3C	Z	0	1
60	MP3C	Mx	.045	1
61	MP3C	X	-130.729	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	.045	4.5
64	MP3B	X	-124.596	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.124	1
67	MP3B	X	-124.596	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	-.124	4.5
70	MP3C	X	-130.729	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	0	1
72	MP3C	Mx	-.119	1
73	MP3C	X	-130.729	4.5
74	MP3C	Z	0	4.5
75	MP3C	Mx	-.119	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.912	1.5
2	MP4A	Z	-21.311	1.5
3	MP4A	Mx	.031	1.5
4	MP4A	X	-36.912	4
5	MP4A	Z	-21.311	4
6	MP4A	Mx	.031	4
7	MP4B	X	-67.899	1.5
8	MP4B	Z	-39.202	1.5
9	MP4B	Mx	0	1.5
10	MP4B	X	-67.899	4
11	MP4B	Z	-39.202	4
12	MP4B	Mx	0	4
13	MP4C	X	-43.654	1.5
14	MP4C	Z	-25.203	1.5
15	MP4C	Mx	-.032	1.5
16	MP4C	X	-43.654	4
17	MP4C	Z	-25.203	4
18	MP4C	Mx	-.032	4
19	M102	X	-116.469	1
20	M102	Z	-67.243	1
21	M102	Mx	0	1
22	MP2B	X	-54.031	1.5
23	MP2B	Z	-31.195	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-43.518	1.5
26	MP2C	Z	-25.125	1.5
27	MP2C	Mx	.019	1.5
28	MP3A	X	-40.595	1.5
29	MP3A	Z	-23.438	1.5
30	MP3A	Mx	-.02	1.5
31	MP2A	X	-38.157	1.5
32	MP2A	Z	-22.03	1.5
33	MP2A	Mx	-.019	1.5
34	MP3B	X	-54.031	1.5
35	MP3B	Z	-31.195	1.5
36	MP3B	Mx	0	1.5
37	MP3C	X	-41.611	1.5
38	MP3C	Z	-24.024	1.5
39	MP3C	Mx	.018	1.5
40	MP2A	X	-87.94	1
41	MP2A	Z	-50.772	1
42	MP2A	Mx	.039	1
43	MP2A	X	-87.94	4.5
44	MP2A	Z	-50.772	4.5
45	MP2A	Mx	.039	4.5
46	MP2A	X	-87.94	1
47	MP2A	Z	-50.772	1
48	MP2A	Mx	.107	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2A	X	-87.94	4.5
50	MP2A	Z	-50.772	4.5
51	MP2A	Mx	.107	4.5
52	MP3B	X	-117.885	1
53	MP3B	Z	-68.061	1
54	MP3B	Mx	.091	1
55	MP3B	X	-117.885	4.5
56	MP3B	Z	-68.061	4.5
57	MP3B	Mx	.091	4.5
58	MP3C	X	-94.455	1
59	MP3C	Z	-54.534	1
60	MP3C	Mx	-.023	1
61	MP3C	X	-94.455	4.5
62	MP3C	Z	-54.534	4.5
63	MP3C	Mx	-.023	4.5
64	MP3B	X	-117.885	1
65	MP3B	Z	-68.061	1
66	MP3B	Mx	-.091	1
67	MP3B	X	-117.885	4.5
68	MP3B	Z	-68.061	4.5
69	MP3B	Mx	-.091	4.5
70	MP3C	X	-94.455	1
71	MP3C	Z	-54.534	1
72	MP3C	Mx	-.116	1
73	MP3C	X	-94.455	4.5
74	MP3C	Z	-54.534	4.5
75	MP3C	Mx	-.116	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.238	1.5
2	MP4A	Z	-57.57	1.5
3	MP4A	Mx	.028	1.5
4	MP4A	X	-33.238	4
5	MP4A	Z	-57.57	4
6	MP4A	Mx	.028	4
7	MP4B	X	-33.238	1.5
8	MP4B	Z	-57.57	1.5
9	MP4B	Mx	.028	1.5
10	MP4B	X	-33.238	4
11	MP4B	Z	-57.57	4
12	MP4B	Mx	.028	4
13	MP4C	X	-16.067	1.5
14	MP4C	Z	-27.828	1.5
15	MP4C	Mx	-.026	1.5
16	MP4C	X	-16.067	4
17	MP4C	Z	-27.828	4
18	MP4C	Mx	-.026	4
19	M102	X	-65.849	1
20	M102	Z	-114.054	1
21	M102	Mx	0	1
22	MP2B	X	-28.609	1.5
23	MP2B	Z	-49.552	1.5
24	MP2B	Mx	-.014	1.5
25	MP2C	X	-21.164	1.5
26	MP2C	Z	-36.657	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2C	Mx	.021	1.5
28	MP3A	X	-28.609	1.5
29	MP3A	Z	-49.552	1.5
30	MP3A	Mx	-.014	1.5
31	MP2A	X	-28.14	1.5
32	MP2A	Z	-48.74	1.5
33	MP2A	Mx	-.014	1.5
34	MP3B	X	-28.14	1.5
35	MP3B	Z	-48.74	1.5
36	MP3B	Mx	-.014	1.5
37	MP3C	X	-19.344	1.5
38	MP3C	Z	-33.504	1.5
39	MP3C	Mx	.019	1.5
40	MP2A	X	-62.298	1
41	MP2A	Z	-107.903	1
42	MP2A	Mx	-.02	1
43	MP2A	X	-62.298	4.5
44	MP2A	Z	-107.903	4.5
45	MP2A	Mx	-.02	4.5
46	MP2A	X	-62.298	1
47	MP2A	Z	-107.903	1
48	MP2A	Mx	.124	1
49	MP2A	X	-62.298	4.5
50	MP2A	Z	-107.903	4.5
51	MP2A	Mx	.124	4.5
52	MP3B	X	-62.298	1
53	MP3B	Z	-107.903	1
54	MP3B	Mx	.124	1
55	MP3B	X	-62.298	4.5
56	MP3B	Z	-107.903	4.5
57	MP3B	Mx	.124	4.5
58	MP3C	X	-45.704	1
59	MP3C	Z	-79.162	1
60	MP3C	Mx	-.064	1
61	MP3C	X	-45.704	4.5
62	MP3C	Z	-79.162	4.5
63	MP3C	Mx	-.064	4.5
64	MP3B	X	-62.298	1
65	MP3B	Z	-107.903	1
66	MP3B	Mx	-.02	1
67	MP3B	X	-62.298	4.5
68	MP3B	Z	-107.903	4.5
69	MP3B	Mx	-.02	4.5
70	MP3C	X	-45.704	1
71	MP3C	Z	-79.162	1
72	MP3C	Mx	-.086	1
73	MP3C	X	-45.704	4.5
74	MP3C	Z	-79.162	4.5
75	MP3C	Mx	-.086	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-17.537	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	Z	-17.537	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	-10.176	1.5
9	MP4B	Mx	.007	1.5
10	MP4B	X	0	4
11	MP4B	Z	-10.176	4
12	MP4B	Mx	.007	4
13	MP4C	X	0	1.5
14	MP4C	Z	-8.87	1.5
15	MP4C	Mx	-.007	1.5
16	MP4C	X	0	4
17	MP4C	Z	-8.87	4
18	MP4C	Mx	-.007	4
19	M102	X	0	1
20	M102	Z	-26.667	1
21	M102	Mx	0	1
22	MP2B	X	0	1.5
23	MP2B	Z	-11.778	1.5
24	MP2B	Mx	-.005	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-11.188	1.5
27	MP2C	Mx	.005	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-15.105	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	-15.105	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	-11.18	1.5
36	MP3B	Mx	-.005	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	-10.483	1.5
39	MP3C	Mx	.005	1.5
40	MP2A	X	0	1
41	MP2A	Z	-29.493	1
42	MP2A	Mx	-.02	1
43	MP2A	X	0	4.5
44	MP2A	Z	-29.493	4.5
45	MP2A	Mx	-.02	4.5
46	MP2A	X	0	1
47	MP2A	Z	-29.493	1
48	MP2A	Mx	.02	1
49	MP2A	X	0	4.5
50	MP2A	Z	-29.493	4.5
51	MP2A	Mx	.02	4.5
52	MP3B	X	0	1
53	MP3B	Z	-22.866	1
54	MP3B	Mx	.024	1
55	MP3B	X	0	4.5
56	MP3B	Z	-22.866	4.5
57	MP3B	Mx	.024	4.5
58	MP3C	X	0	1
59	MP3C	Z	-21.69	1
60	MP3C	Mx	-.022	1
61	MP3C	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	Z	-21.69	4.5
63	MP3C	Mx	-.022	4.5
64	MP3B	X	0	1
65	MP3B	Z	-22.866	1
66	MP3B	Mx	.009	1
67	MP3B	X	0	4.5
68	MP3B	Z	-22.866	4.5
69	MP3B	Mx	.009	4.5
70	MP3C	X	0	1
71	MP3C	Z	-21.69	1
72	MP3C	Mx	-.012	1
73	MP3C	X	0	4.5
74	MP3C	Z	-21.69	4.5
75	MP3C	Mx	-.012	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.541	1.5
2	MP4A	Z	-13.062	1.5
3	MP4A	Mx	-.006	1.5
4	MP4A	X	7.541	4
5	MP4A	Z	-13.062	4
6	MP4A	Mx	-.006	4
7	MP4B	X	3.861	1.5
8	MP4B	Z	-6.688	1.5
9	MP4B	Mx	.006	1.5
10	MP4B	X	3.861	4
11	MP4B	Z	-6.688	4
12	MP4B	Mx	.006	4
13	MP4C	X	6.741	1.5
14	MP4C	Z	-11.675	1.5
15	MP4C	Mx	-.007	1.5
16	MP4C	X	6.741	4
17	MP4C	Z	-11.675	4
18	MP4C	Mx	-.007	4
19	M102	X	12.102	1
20	M102	Z	-20.961	1
21	M102	Mx	0	1
22	MP2B	X	5.335	1.5
23	MP2B	Z	-9.24	1.5
24	MP2B	Mx	-.005	1.5
25	MP2C	X	6.636	1.5
26	MP2C	Z	-11.494	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	6.998	1.5
29	MP3A	Z	-12.121	1.5
30	MP3A	Mx	.003	1.5
31	MP2A	X	6.898	1.5
32	MP2A	Z	-11.948	1.5
33	MP2A	Mx	.003	1.5
34	MP3B	X	4.936	1.5
35	MP3B	Z	-8.549	1.5
36	MP3B	Mx	-.005	1.5
37	MP3C	X	6.471	1.5
38	MP3C	Z	-11.209	1.5
39	MP3C	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	13.642	1
41	MP2A	Z	-23.629	1
42	MP2A	Mx	-.027	1
43	MP2A	X	13.642	4.5
44	MP2A	Z	-23.629	4.5
45	MP2A	Mx	-.027	4.5
46	MP2A	X	13.642	1
47	MP2A	Z	-23.629	1
48	MP2A	Mx	.004	1
49	MP2A	X	13.642	4.5
50	MP2A	Z	-23.629	4.5
51	MP2A	Mx	.004	4.5
52	MP3B	X	10.328	1
53	MP3B	Z	-17.889	1
54	MP3B	Mx	.017	1
55	MP3B	X	10.328	4.5
56	MP3B	Z	-17.889	4.5
57	MP3B	Mx	.017	4.5
58	MP3C	X	12.921	1
59	MP3C	Z	-22.38	1
60	MP3C	Mx	-.027	1
61	MP3C	X	12.921	4.5
62	MP3C	Z	-22.38	4.5
63	MP3C	Mx	-.027	4.5
64	MP3B	X	10.328	1
65	MP3B	Z	-17.889	1
66	MP3B	Mx	.017	1
67	MP3B	X	10.328	4.5
68	MP3B	Z	-17.889	4.5
69	MP3B	Mx	.017	4.5
70	MP3C	X	12.921	1
71	MP3C	Z	-22.38	1
72	MP3C	Mx	-.000645	1
73	MP3C	X	12.921	4.5
74	MP3C	Z	-22.38	4.5
75	MP3C	Mx	-.000645	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.812	1.5
2	MP4A	Z	-5.088	1.5
3	MP4A	Mx	-.007	1.5
4	MP4A	X	8.812	4
5	MP4A	Z	-5.088	4
6	MP4A	Mx	-.007	4
7	MP4B	X	8.812	1.5
8	MP4B	Z	-5.088	1.5
9	MP4B	Mx	.007	1.5
10	MP4B	X	8.812	4
11	MP4B	Z	-5.088	4
12	MP4B	Mx	.007	4
13	MP4C	X	14.931	1.5
14	MP4C	Z	-8.62	1.5
15	MP4C	Mx	-.002	1.5
16	MP4C	X	14.931	4
17	MP4C	Z	-8.62	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	-.002	4
19	M102	X	21.445	1
20	M102	Z	-12.381	1
21	M102	Mx	0	1
22	MP2B	X	10.2	1.5
23	MP2B	Z	-5.889	1.5
24	MP2B	Mx	-.005	1.5
25	MP2C	X	12.965	1.5
26	MP2C	Z	-7.486	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	10.2	1.5
29	MP3A	Z	-5.889	1.5
30	MP3A	Mx	.005	1.5
31	MP2A	X	9.682	1.5
32	MP2A	Z	-5.59	1.5
33	MP2A	Mx	.005	1.5
34	MP3B	X	9.682	1.5
35	MP3B	Z	-5.59	1.5
36	MP3B	Mx	-.005	1.5
37	MP3C	X	12.945	1.5
38	MP3C	Z	-7.474	1.5
39	MP3C	Mx	.001	1.5
40	MP2A	X	19.802	1
41	MP2A	Z	-11.433	1
42	MP2A	Mx	-.024	1
43	MP2A	X	19.802	4.5
44	MP2A	Z	-11.433	4.5
45	MP2A	Mx	-.024	4.5
46	MP2A	X	19.802	1
47	MP2A	Z	-11.433	1
48	MP2A	Mx	-.009	1
49	MP2A	X	19.802	4.5
50	MP2A	Z	-11.433	4.5
51	MP2A	Mx	-.009	4.5
52	MP3B	X	19.802	1
53	MP3B	Z	-11.433	1
54	MP3B	Mx	.009	1
55	MP3B	X	19.802	4.5
56	MP3B	Z	-11.433	4.5
57	MP3B	Mx	.009	4.5
58	MP3C	X	25.311	1
59	MP3C	Z	-14.613	1
60	MP3C	Mx	-.023	1
61	MP3C	X	25.311	4.5
62	MP3C	Z	-14.613	4.5
63	MP3C	Mx	-.023	4.5
64	MP3B	X	19.802	1
65	MP3B	Z	-11.433	1
66	MP3B	Mx	.024	1
67	MP3B	X	19.802	4.5
68	MP3B	Z	-11.433	4.5
69	MP3B	Mx	.024	4.5
70	MP3C	X	25.311	1
71	MP3C	Z	-14.613	1
72	MP3C	Mx	.015	1
73	MP3C	X	25.311	4.5
74	MP3C	Z	-14.613	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	.015	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.722	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.006	1.5
4	MP4A	X	7.722	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.006	4
7	MP4B	X	15.083	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	.006	1.5
10	MP4B	X	15.083	4
11	MP4B	Z	0	4
12	MP4B	Mx	.006	4
13	MP4C	X	16.388	1.5
14	MP4C	Z	0	1.5
15	MP4C	Mx	.005	1.5
16	MP4C	X	16.388	4
17	MP4C	Z	0	4
18	MP4C	Mx	.005	4
19	M102	X	27.784	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	13.996	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.003	1.5
25	MP2C	X	14.586	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.002	1.5
28	MP3A	X	10.67	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.005	1.5
31	MP2A	X	9.871	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	.005	1.5
34	MP3B	X	13.797	1.5
35	MP3B	Z	0	1.5
36	MP3B	Mx	-.003	1.5
37	MP3C	X	14.493	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.002	1.5
40	MP2A	X	20.657	1
41	MP2A	Z	0	1
42	MP2A	Mx	-.017	1
43	MP2A	X	20.657	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.017	4.5
46	MP2A	X	20.657	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.017	1
49	MP2A	X	20.657	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	-.017	4.5
52	MP3B	X	27.284	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	Z	0	1
54	MP3B	Mx	-.004	1
55	MP3B	X	27.284	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	-.004	4.5
58	MP3C	X	28.459	1
59	MP3C	Z	0	1
60	MP3C	Mx	-.01	1
61	MP3C	X	28.459	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	-.01	4.5
64	MP3B	X	27.284	1
65	MP3B	Z	0	1
66	MP3B	Mx	.027	1
67	MP3B	X	27.284	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	.027	4.5
70	MP3C	X	28.459	1
71	MP3C	Z	0	1
72	MP3C	Mx	.026	1
73	MP3C	X	28.459	4.5
74	MP3C	Z	0	4.5
75	MP3C	Mx	.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.812	1.5
2	MP4A	Z	5.088	1.5
3	MP4A	Mx	-.007	1.5
4	MP4A	X	8.812	4
5	MP4A	Z	5.088	4
6	MP4A	Mx	-.007	4
7	MP4B	X	15.187	1.5
8	MP4B	Z	8.768	1.5
9	MP4B	Mx	0	1.5
10	MP4B	X	15.187	4
11	MP4B	Z	8.768	4
12	MP4B	Mx	0	4
13	MP4C	X	10.199	1.5
14	MP4C	Z	5.889	1.5
15	MP4C	Mx	.008	1.5
16	MP4C	X	10.199	4
17	MP4C	Z	5.889	4
18	MP4C	Mx	.008	4
19	M102	X	26.195	1
20	M102	Z	15.124	1
21	M102	Mx	0	1
22	MP2B	X	13.081	1.5
23	MP2B	Z	7.552	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	10.827	1.5
26	MP2C	Z	6.251	1.5
27	MP2C	Mx	-.005	1.5
28	MP3A	X	10.2	1.5
29	MP3A	Z	5.889	1.5
30	MP3A	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	9.682	1.5
32	MP2A	Z	5.59	1.5
33	MP2A	Mx	.005	1.5
34	MP3B	X	13.081	1.5
35	MP3B	Z	7.552	1.5
36	MP3B	Mx	0	1.5
37	MP3C	X	10.421	1.5
38	MP3C	Z	6.017	1.5
39	MP3C	Mx	-.005	1.5
40	MP2A	X	19.802	1
41	MP2A	Z	11.433	1
42	MP2A	Mx	-.009	1
43	MP2A	X	19.802	4.5
44	MP2A	Z	11.433	4.5
45	MP2A	Mx	-.009	4.5
46	MP2A	X	19.802	1
47	MP2A	Z	11.433	1
48	MP2A	Mx	-.024	1
49	MP2A	X	19.802	4.5
50	MP2A	Z	11.433	4.5
51	MP2A	Mx	-.024	4.5
52	MP3B	X	25.542	1
53	MP3B	Z	14.747	1
54	MP3B	Mx	-.02	1
55	MP3B	X	25.542	4.5
56	MP3B	Z	14.747	4.5
57	MP3B	Mx	-.02	4.5
58	MP3C	X	21.051	1
59	MP3C	Z	12.154	1
60	MP3C	Mx	.005	1
61	MP3C	X	21.051	4.5
62	MP3C	Z	12.154	4.5
63	MP3C	Mx	.005	4.5
64	MP3B	X	25.542	1
65	MP3B	Z	14.747	1
66	MP3B	Mx	.02	1
67	MP3B	X	25.542	4.5
68	MP3B	Z	14.747	4.5
69	MP3B	Mx	.02	4.5
70	MP3C	X	21.051	1
71	MP3C	Z	12.154	1
72	MP3C	Mx	.026	1
73	MP3C	X	21.051	4.5
74	MP3C	Z	12.154	4.5
75	MP3C	Mx	.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.541	1.5
2	MP4A	Z	13.062	1.5
3	MP4A	Mx	-.006	1.5
4	MP4A	X	7.541	4
5	MP4A	Z	13.062	4
6	MP4A	Mx	-.006	4
7	MP4B	X	7.541	1.5
8	MP4B	Z	13.062	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	-.006	1.5
10	MP4B	X	7.541	4
11	MP4B	Z	13.062	4
12	MP4B	Mx	-.006	4
13	MP4C	X	4.009	1.5
14	MP4C	Z	6.944	1.5
15	MP4C	Mx	.007	1.5
16	MP4C	X	4.009	4
17	MP4C	Z	6.944	4
18	MP4C	Mx	.007	4
19	M102	X	14.845	1
20	M102	Z	25.711	1
21	M102	Mx	0	1
22	MP2B	X	6.998	1.5
23	MP2B	Z	12.121	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	5.402	1.5
26	MP2C	Z	9.356	1.5
27	MP2C	Mx	-.005	1.5
28	MP3A	X	6.998	1.5
29	MP3A	Z	12.121	1.5
30	MP3A	Mx	.003	1.5
31	MP2A	X	6.898	1.5
32	MP2A	Z	11.948	1.5
33	MP2A	Mx	.003	1.5
34	MP3B	X	6.898	1.5
35	MP3B	Z	11.948	1.5
36	MP3B	Mx	.003	1.5
37	MP3C	X	5.015	1.5
38	MP3C	Z	8.685	1.5
39	MP3C	Mx	-.005	1.5
40	MP2A	X	13.642	1
41	MP2A	Z	23.629	1
42	MP2A	Mx	.004	1
43	MP2A	X	13.642	4.5
44	MP2A	Z	23.629	4.5
45	MP2A	Mx	.004	4.5
46	MP2A	X	13.642	1
47	MP2A	Z	23.629	1
48	MP2A	Mx	-.027	1
49	MP2A	X	13.642	4.5
50	MP2A	Z	23.629	4.5
51	MP2A	Mx	-.027	4.5
52	MP3B	X	13.642	1
53	MP3B	Z	23.629	1
54	MP3B	Mx	-.027	1
55	MP3B	X	13.642	4.5
56	MP3B	Z	23.629	4.5
57	MP3B	Mx	-.027	4.5
58	MP3C	X	10.461	1
59	MP3C	Z	18.12	1
60	MP3C	Mx	.015	1
61	MP3C	X	10.461	4.5
62	MP3C	Z	18.12	4.5
63	MP3C	Mx	.015	4.5
64	MP3B	X	13.642	1
65	MP3B	Z	23.629	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.004	1
67	MP3B	X	13.642	4.5
68	MP3B	Z	23.629	4.5
69	MP3B	Mx	.004	4.5
70	MP3C	X	10.461	1
71	MP3C	Z	18.12	1
72	MP3C	Mx	.02	1
73	MP3C	X	10.461	4.5
74	MP3C	Z	18.12	4.5
75	MP3C	Mx	.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	17.537	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4
5	MP4A	Z	17.537	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	10.176	1.5
9	MP4B	Mx	-.007	1.5
10	MP4B	X	0	4
11	MP4B	Z	10.176	4
12	MP4B	Mx	-.007	4
13	MP4C	X	0	1.5
14	MP4C	Z	8.87	1.5
15	MP4C	Mx	.007	1.5
16	MP4C	X	0	4
17	MP4C	Z	8.87	4
18	MP4C	Mx	.007	4
19	M102	X	0	1
20	M102	Z	26.667	1
21	M102	Mx	0	1
22	MP2B	X	0	1.5
23	MP2B	Z	11.778	1.5
24	MP2B	Mx	.005	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	11.188	1.5
27	MP2C	Mx	-.005	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	15.105	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	15.105	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	11.18	1.5
36	MP3B	Mx	.005	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	10.483	1.5
39	MP3C	Mx	-.005	1.5
40	MP2A	X	0	1
41	MP2A	Z	29.493	1
42	MP2A	Mx	.02	1
43	MP2A	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2A	Z	29.493	4.5
45	MP2A	Mx	.02	4.5
46	MP2A	X	0	1
47	MP2A	Z	29.493	1
48	MP2A	Mx	-.02	1
49	MP2A	X	0	4.5
50	MP2A	Z	29.493	4.5
51	MP2A	Mx	-.02	4.5
52	MP3B	X	0	1
53	MP3B	Z	22.866	1
54	MP3B	Mx	-.024	1
55	MP3B	X	0	4.5
56	MP3B	Z	22.866	4.5
57	MP3B	Mx	-.024	4.5
58	MP3C	X	0	1
59	MP3C	Z	21.69	1
60	MP3C	Mx	.022	1
61	MP3C	X	0	4.5
62	MP3C	Z	21.69	4.5
63	MP3C	Mx	.022	4.5
64	MP3B	X	0	1
65	MP3B	Z	22.866	1
66	MP3B	Mx	-.009	1
67	MP3B	X	0	4.5
68	MP3B	Z	22.866	4.5
69	MP3B	Mx	-.009	4.5
70	MP3C	X	0	1
71	MP3C	Z	21.69	1
72	MP3C	Mx	.012	1
73	MP3C	X	0	4.5
74	MP3C	Z	21.69	4.5
75	MP3C	Mx	.012	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.541	1.5
2	MP4A	Z	13.062	1.5
3	MP4A	Mx	.006	1.5
4	MP4A	X	-7.541	4
5	MP4A	Z	13.062	4
6	MP4A	Mx	.006	4
7	MP4B	X	-3.861	1.5
8	MP4B	Z	6.688	1.5
9	MP4B	Mx	-.006	1.5
10	MP4B	X	-3.861	4
11	MP4B	Z	6.688	4
12	MP4B	Mx	-.006	4
13	MP4C	X	-6.741	1.5
14	MP4C	Z	11.675	1.5
15	MP4C	Mx	.007	1.5
16	MP4C	X	-6.741	4
17	MP4C	Z	11.675	4
18	MP4C	Mx	.007	4
19	M102	X	-12.102	1
20	M102	Z	20.961	1
21	M102	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	-5.335	1.5
23	MP2B	Z	9.24	1.5
24	MP2B	Mx	.005	1.5
25	MP2C	X	-6.636	1.5
26	MP2C	Z	11.494	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	-6.998	1.5
29	MP3A	Z	12.121	1.5
30	MP3A	Mx	-.003	1.5
31	MP2A	X	-6.898	1.5
32	MP2A	Z	11.948	1.5
33	MP2A	Mx	-.003	1.5
34	MP3B	X	-4.936	1.5
35	MP3B	Z	8.549	1.5
36	MP3B	Mx	.005	1.5
37	MP3C	X	-6.471	1.5
38	MP3C	Z	11.209	1.5
39	MP3C	Mx	-.004	1.5
40	MP2A	X	-13.642	1
41	MP2A	Z	23.629	1
42	MP2A	Mx	.027	1
43	MP2A	X	-13.642	4.5
44	MP2A	Z	23.629	4.5
45	MP2A	Mx	.027	4.5
46	MP2A	X	-13.642	1
47	MP2A	Z	23.629	1
48	MP2A	Mx	-.004	1
49	MP2A	X	-13.642	4.5
50	MP2A	Z	23.629	4.5
51	MP2A	Mx	-.004	4.5
52	MP3B	X	-10.328	1
53	MP3B	Z	17.889	1
54	MP3B	Mx	-.017	1
55	MP3B	X	-10.328	4.5
56	MP3B	Z	17.889	4.5
57	MP3B	Mx	-.017	4.5
58	MP3C	X	-12.921	1
59	MP3C	Z	22.38	1
60	MP3C	Mx	.027	1
61	MP3C	X	-12.921	4.5
62	MP3C	Z	22.38	4.5
63	MP3C	Mx	.027	4.5
64	MP3B	X	-10.328	1
65	MP3B	Z	17.889	1
66	MP3B	Mx	-.017	1
67	MP3B	X	-10.328	4.5
68	MP3B	Z	17.889	4.5
69	MP3B	Mx	-.017	4.5
70	MP3C	X	-12.921	1
71	MP3C	Z	22.38	1
72	MP3C	Mx	.000645	1
73	MP3C	X	-12.921	4.5
74	MP3C	Z	22.38	4.5
75	MP3C	Mx	.000645	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.812	1.5
2	MP4A	Z	5.088	1.5
3	MP4A	Mx	.007	1.5
4	MP4A	X	-8.812	4
5	MP4A	Z	5.088	4
6	MP4A	Mx	.007	4
7	MP4B	X	-8.812	1.5
8	MP4B	Z	5.088	1.5
9	MP4B	Mx	-.007	1.5
10	MP4B	X	-8.812	4
11	MP4B	Z	5.088	4
12	MP4B	Mx	-.007	4
13	MP4C	X	-14.931	1.5
14	MP4C	Z	8.62	1.5
15	MP4C	Mx	.002	1.5
16	MP4C	X	-14.931	4
17	MP4C	Z	8.62	4
18	MP4C	Mx	.002	4
19	M102	X	-21.445	1
20	M102	Z	12.381	1
21	M102	Mx	0	1
22	MP2B	X	-10.2	1.5
23	MP2B	Z	5.889	1.5
24	MP2B	Mx	.005	1.5
25	MP2C	X	-12.965	1.5
26	MP2C	Z	7.486	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	-10.2	1.5
29	MP3A	Z	5.889	1.5
30	MP3A	Mx	-.005	1.5
31	MP2A	X	-9.682	1.5
32	MP2A	Z	5.59	1.5
33	MP2A	Mx	-.005	1.5
34	MP3B	X	-9.682	1.5
35	MP3B	Z	5.59	1.5
36	MP3B	Mx	.005	1.5
37	MP3C	X	-12.945	1.5
38	MP3C	Z	7.474	1.5
39	MP3C	Mx	-.001	1.5
40	MP2A	X	-19.802	1
41	MP2A	Z	11.433	1
42	MP2A	Mx	.024	1
43	MP2A	X	-19.802	4.5
44	MP2A	Z	11.433	4.5
45	MP2A	Mx	.024	4.5
46	MP2A	X	-19.802	1
47	MP2A	Z	11.433	1
48	MP2A	Mx	.009	1
49	MP2A	X	-19.802	4.5
50	MP2A	Z	11.433	4.5
51	MP2A	Mx	.009	4.5
52	MP3B	X	-19.802	1
53	MP3B	Z	11.433	1
54	MP3B	Mx	-.009	1
55	MP3B	X	-19.802	4.5
56	MP3B	Z	11.433	4.5
57	MP3B	Mx	-.009	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-25.311	1
59	MP3C	Z	14.613	1
60	MP3C	Mx	.023	1
61	MP3C	X	-25.311	4.5
62	MP3C	Z	14.613	4.5
63	MP3C	Mx	.023	4.5
64	MP3B	X	-19.802	1
65	MP3B	Z	11.433	1
66	MP3B	Mx	-.024	1
67	MP3B	X	-19.802	4.5
68	MP3B	Z	11.433	4.5
69	MP3B	Mx	-.024	4.5
70	MP3C	X	-25.311	1
71	MP3C	Z	14.613	1
72	MP3C	Mx	-.015	1
73	MP3C	X	-25.311	4.5
74	MP3C	Z	14.613	4.5
75	MP3C	Mx	-.015	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.722	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.006	1.5
4	MP4A	X	-7.722	4
5	MP4A	Z	0	4
6	MP4A	Mx	.006	4
7	MP4B	X	-15.083	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	-.006	1.5
10	MP4B	X	-15.083	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.006	4
13	MP4C	X	-16.388	1.5
14	MP4C	Z	0	1.5
15	MP4C	Mx	-.005	1.5
16	MP4C	X	-16.388	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.005	4
19	M102	X	-27.784	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	-13.996	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	-14.586	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.002	1.5
28	MP3A	X	-10.67	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.005	1.5
31	MP2A	X	-9.871	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	-.005	1.5
34	MP3B	X	-13.797	1.5
35	MP3B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	.003	1.5
37	MP3C	X	-14.493	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	.002	1.5
40	MP2A	X	-20.657	1
41	MP2A	Z	0	1
42	MP2A	Mx	.017	1
43	MP2A	X	-20.657	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.017	4.5
46	MP2A	X	-20.657	1
47	MP2A	Z	0	1
48	MP2A	Mx	.017	1
49	MP2A	X	-20.657	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	.017	4.5
52	MP3B	X	-27.284	1
53	MP3B	Z	0	1
54	MP3B	Mx	.004	1
55	MP3B	X	-27.284	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	.004	4.5
58	MP3C	X	-28.459	1
59	MP3C	Z	0	1
60	MP3C	Mx	.01	1
61	MP3C	X	-28.459	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	.01	4.5
64	MP3B	X	-27.284	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.027	1
67	MP3B	X	-27.284	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	-.027	4.5
70	MP3C	X	-28.459	1
71	MP3C	Z	0	1
72	MP3C	Mx	-.026	1
73	MP3C	X	-28.459	4.5
74	MP3C	Z	0	4.5
75	MP3C	Mx	-.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.812	1.5
2	MP4A	Z	-5.088	1.5
3	MP4A	Mx	.007	1.5
4	MP4A	X	-8.812	4
5	MP4A	Z	-5.088	4
6	MP4A	Mx	.007	4
7	MP4B	X	-15.187	1.5
8	MP4B	Z	-8.768	1.5
9	MP4B	Mx	0	1.5
10	MP4B	X	-15.187	4
11	MP4B	Z	-8.768	4
12	MP4B	Mx	0	4
13	MP4C	X	-10.199	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	-5.889	1.5
15	MP4C	Mx	-.008	1.5
16	MP4C	X	-10.199	4
17	MP4C	Z	-5.889	4
18	MP4C	Mx	-.008	4
19	M102	X	-26.195	1
20	M102	Z	-15.124	1
21	M102	Mx	0	1
22	MP2B	X	-13.081	1.5
23	MP2B	Z	-7.552	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-10.827	1.5
26	MP2C	Z	-6.251	1.5
27	MP2C	Mx	.005	1.5
28	MP3A	X	-10.2	1.5
29	MP3A	Z	-5.889	1.5
30	MP3A	Mx	-.005	1.5
31	MP2A	X	-9.682	1.5
32	MP2A	Z	-5.59	1.5
33	MP2A	Mx	-.005	1.5
34	MP3B	X	-13.081	1.5
35	MP3B	Z	-7.552	1.5
36	MP3B	Mx	0	1.5
37	MP3C	X	-10.421	1.5
38	MP3C	Z	-6.017	1.5
39	MP3C	Mx	.005	1.5
40	MP2A	X	-19.802	1
41	MP2A	Z	-11.433	1
42	MP2A	Mx	.009	1
43	MP2A	X	-19.802	4.5
44	MP2A	Z	-11.433	4.5
45	MP2A	Mx	.009	4.5
46	MP2A	X	-19.802	1
47	MP2A	Z	-11.433	1
48	MP2A	Mx	.024	1
49	MP2A	X	-19.802	4.5
50	MP2A	Z	-11.433	4.5
51	MP2A	Mx	.024	4.5
52	MP3B	X	-25.542	1
53	MP3B	Z	-14.747	1
54	MP3B	Mx	.02	1
55	MP3B	X	-25.542	4.5
56	MP3B	Z	-14.747	4.5
57	MP3B	Mx	.02	4.5
58	MP3C	X	-21.051	1
59	MP3C	Z	-12.154	1
60	MP3C	Mx	-.005	1
61	MP3C	X	-21.051	4.5
62	MP3C	Z	-12.154	4.5
63	MP3C	Mx	-.005	4.5
64	MP3B	X	-25.542	1
65	MP3B	Z	-14.747	1
66	MP3B	Mx	-.02	1
67	MP3B	X	-25.542	4.5
68	MP3B	Z	-14.747	4.5
69	MP3B	Mx	-.02	4.5
70	MP3C	X	-21.051	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-12.154	1
72	MP3C	Mx	-.026	1
73	MP3C	X	-21.051	4.5
74	MP3C	Z	-12.154	4.5
75	MP3C	Mx	-.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.541	1.5
2	MP4A	Z	-13.062	1.5
3	MP4A	Mx	.006	1.5
4	MP4A	X	-7.541	4
5	MP4A	Z	-13.062	4
6	MP4A	Mx	.006	4
7	MP4B	X	-7.541	1.5
8	MP4B	Z	-13.062	1.5
9	MP4B	Mx	.006	1.5
10	MP4B	X	-7.541	4
11	MP4B	Z	-13.062	4
12	MP4B	Mx	.006	4
13	MP4C	X	-4.009	1.5
14	MP4C	Z	-6.944	1.5
15	MP4C	Mx	-.007	1.5
16	MP4C	X	-4.009	4
17	MP4C	Z	-6.944	4
18	MP4C	Mx	-.007	4
19	M102	X	-14.845	1
20	M102	Z	-25.711	1
21	M102	Mx	0	1
22	MP2B	X	-6.998	1.5
23	MP2B	Z	-12.121	1.5
24	MP2B	Mx	-.003	1.5
25	MP2C	X	-5.402	1.5
26	MP2C	Z	-9.356	1.5
27	MP2C	Mx	.005	1.5
28	MP3A	X	-6.998	1.5
29	MP3A	Z	-12.121	1.5
30	MP3A	Mx	-.003	1.5
31	MP2A	X	-6.898	1.5
32	MP2A	Z	-11.948	1.5
33	MP2A	Mx	-.003	1.5
34	MP3B	X	-6.898	1.5
35	MP3B	Z	-11.948	1.5
36	MP3B	Mx	-.003	1.5
37	MP3C	X	-5.015	1.5
38	MP3C	Z	-8.685	1.5
39	MP3C	Mx	.005	1.5
40	MP2A	X	-13.642	1
41	MP2A	Z	-23.629	1
42	MP2A	Mx	-.004	1
43	MP2A	X	-13.642	4.5
44	MP2A	Z	-23.629	4.5
45	MP2A	Mx	-.004	4.5
46	MP2A	X	-13.642	1
47	MP2A	Z	-23.629	1
48	MP2A	Mx	.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2A	X	-13.642	4.5
50	MP2A	Z	-23.629	4.5
51	MP2A	Mx	.027	4.5
52	MP3B	X	-13.642	1
53	MP3B	Z	-23.629	1
54	MP3B	Mx	.027	1
55	MP3B	X	-13.642	4.5
56	MP3B	Z	-23.629	4.5
57	MP3B	Mx	.027	4.5
58	MP3C	X	-10.461	1
59	MP3C	Z	-18.12	1
60	MP3C	Mx	-.015	1
61	MP3C	X	-10.461	4.5
62	MP3C	Z	-18.12	4.5
63	MP3C	Mx	-.015	4.5
64	MP3B	X	-13.642	1
65	MP3B	Z	-23.629	1
66	MP3B	Mx	-.004	1
67	MP3B	X	-13.642	4.5
68	MP3B	Z	-23.629	4.5
69	MP3B	Mx	-.004	4.5
70	MP3C	X	-10.461	1
71	MP3C	Z	-18.12	1
72	MP3C	Mx	-.02	1
73	MP3C	X	-10.461	4.5
74	MP3C	Z	-18.12	4.5
75	MP3C	Mx	-.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-5.336	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4
5	MP4A	Z	-5.336	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	-2.901	1.5
9	MP4B	Mx	.002	1.5
10	MP4B	X	0	4
11	MP4B	Z	-2.901	4
12	MP4B	Mx	.002	4
13	MP4C	X	0	1.5
14	MP4C	Z	-2.469	1.5
15	MP4C	Mx	-.002	1.5
16	MP4C	X	0	4
17	MP4C	Z	-2.469	4
18	MP4C	Mx	-.002	4
19	M102	X	0	1
20	M102	Z	-7.936	1
21	M102	Mx	0	1
22	MP2B	X	0	1.5
23	MP2B	Z	-3.19	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-3.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2C	Mx	.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-4.246	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	-4.246	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	-2.998	1.5
36	MP3B	Mx	-.001	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	-2.777	1.5
39	MP3C	Mx	.001	1.5
40	MP2A	X	0	1
41	MP2A	Z	-9.263	1
42	MP2A	Mx	-.006	1
43	MP2A	X	0	4.5
44	MP2A	Z	-9.263	4.5
45	MP2A	Mx	-.006	4.5
46	MP2A	X	0	1
47	MP2A	Z	-9.263	1
48	MP2A	Mx	.006	1
49	MP2A	X	0	4.5
50	MP2A	Z	-9.263	4.5
51	MP2A	Mx	.006	4.5
52	MP3B	X	0	1
53	MP3B	Z	-6.91	1
54	MP3B	Mx	.007	1
55	MP3B	X	0	4.5
56	MP3B	Z	-6.91	4.5
57	MP3B	Mx	.007	4.5
58	MP3C	X	0	1
59	MP3C	Z	-6.493	1
60	MP3C	Mx	-.007	1
61	MP3C	X	0	4.5
62	MP3C	Z	-6.493	4.5
63	MP3C	Mx	-.007	4.5
64	MP3B	X	0	1
65	MP3B	Z	-6.91	1
66	MP3B	Mx	.003	1
67	MP3B	X	0	4.5
68	MP3B	Z	-6.91	4.5
69	MP3B	Mx	.003	4.5
70	MP3C	X	0	1
71	MP3C	Z	-6.493	1
72	MP3C	Mx	-.004	1
73	MP3C	X	0	4.5
74	MP3C	Z	-6.493	4.5
75	MP3C	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.262	1.5
2	MP4A	Z	-3.918	1.5
3	MP4A	Mx	-.002	1.5
4	MP4A	X	2.262	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	Z	-3.918	4
6	MP4A	Mx	-.002	4
7	MP4B	X	1.044	1.5
8	MP4B	Z	-1.809	1.5
9	MP4B	Mx	.002	1.5
10	MP4B	X	1.044	4
11	MP4B	Z	-1.809	4
12	MP4B	Mx	.002	4
13	MP4C	X	1.997	1.5
14	MP4C	Z	-3.459	1.5
15	MP4C	Mx	-.002	1.5
16	MP4C	X	1.997	4
17	MP4C	Z	-3.459	4
18	MP4C	Mx	-.002	4
19	M102	X	3.549	1
20	M102	Z	-6.148	1
21	M102	Mx	0	1
22	MP2B	X	1.419	1.5
23	MP2B	Z	-2.458	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	1.832	1.5
26	MP2C	Z	-3.173	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	1.947	1.5
29	MP3A	Z	-3.372	1.5
30	MP3A	Mx	.000974	1.5
31	MP2A	X	1.915	1.5
32	MP2A	Z	-3.317	1.5
33	MP2A	Mx	.000958	1.5
34	MP3B	X	1.291	1.5
35	MP3B	Z	-2.237	1.5
36	MP3B	Mx	-.001	1.5
37	MP3C	X	1.779	1.5
38	MP3C	Z	-3.082	1.5
39	MP3C	Mx	.001	1.5
40	MP2A	X	4.24	1
41	MP2A	Z	-7.343	1
42	MP2A	Mx	-.008	1
43	MP2A	X	4.24	4.5
44	MP2A	Z	-7.343	4.5
45	MP2A	Mx	-.008	4.5
46	MP2A	X	4.24	1
47	MP2A	Z	-7.343	1
48	MP2A	Mx	.001	1
49	MP2A	X	4.24	4.5
50	MP2A	Z	-7.343	4.5
51	MP2A	Mx	.001	4.5
52	MP3B	X	3.063	1
53	MP3B	Z	-5.305	1
54	MP3B	Mx	.005	1
55	MP3B	X	3.063	4.5
56	MP3B	Z	-5.305	4.5
57	MP3B	Mx	.005	4.5
58	MP3C	X	3.984	1
59	MP3C	Z	-6.9	1
60	MP3C	Mx	-.008	1
61	MP3C	X	3.984	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	Z	-6.9	4.5
63	MP3C	Mx	-.008	4.5
64	MP3B	X	3.063	1
65	MP3B	Z	-5.305	1
66	MP3B	Mx	.005	1
67	MP3B	X	3.063	4.5
68	MP3B	Z	-5.305	4.5
69	MP3B	Mx	.005	4.5
70	MP3C	X	3.984	1
71	MP3C	Z	-6.9	1
72	MP3C	Mx	-.000199	1
73	MP3C	X	3.984	4.5
74	MP3C	Z	-6.9	4.5
75	MP3C	Mx	-.000199	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.512	1.5
2	MP4A	Z	-1.45	1.5
3	MP4A	Mx	-.002	1.5
4	MP4A	X	2.512	4
5	MP4A	Z	-1.45	4
6	MP4A	Mx	-.002	4
7	MP4B	X	2.512	1.5
8	MP4B	Z	-1.45	1.5
9	MP4B	Mx	.002	1.5
10	MP4B	X	2.512	4
11	MP4B	Z	-1.45	4
12	MP4B	Mx	.002	4
13	MP4C	X	4.536	1.5
14	MP4C	Z	-2.619	1.5
15	MP4C	Mx	-.000758	1.5
16	MP4C	X	4.536	4
17	MP4C	Z	-2.619	4
18	MP4C	Mx	-.000758	4
19	M102	X	6.312	1
20	M102	Z	-3.644	1
21	M102	Mx	0	1
22	MP2B	X	2.763	1.5
23	MP2B	Z	-1.595	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	3.64	1.5
26	MP2C	Z	-2.102	1.5
27	MP2C	Mx	.000365	1.5
28	MP3A	X	2.763	1.5
29	MP3A	Z	-1.595	1.5
30	MP3A	Mx	.001	1.5
31	MP2A	X	2.597	1.5
32	MP2A	Z	-1.499	1.5
33	MP2A	Mx	.001	1.5
34	MP3B	X	2.597	1.5
35	MP3B	Z	-1.499	1.5
36	MP3B	Mx	-.001	1.5
37	MP3C	X	3.634	1.5
38	MP3C	Z	-2.098	1.5
39	MP3C	Mx	.000364	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	5.985	1
41	MP2A	Z	-3.455	1
42	MP2A	Mx	-.007	1
43	MP2A	X	5.985	4.5
44	MP2A	Z	-3.455	4.5
45	MP2A	Mx	-.007	4.5
46	MP2A	X	5.985	1
47	MP2A	Z	-3.455	1
48	MP2A	Mx	-.003	1
49	MP2A	X	5.985	4.5
50	MP2A	Z	-3.455	4.5
51	MP2A	Mx	-.003	4.5
52	MP3B	X	5.985	1
53	MP3B	Z	-3.455	1
54	MP3B	Mx	.003	1
55	MP3B	X	5.985	4.5
56	MP3B	Z	-3.455	4.5
57	MP3B	Mx	.003	4.5
58	MP3C	X	7.94	1
59	MP3C	Z	-4.584	1
60	MP3C	Mx	-.007	1
61	MP3C	X	7.94	4.5
62	MP3C	Z	-4.584	4.5
63	MP3C	Mx	-.007	4.5
64	MP3B	X	5.985	1
65	MP3B	Z	-3.455	1
66	MP3B	Mx	.007	1
67	MP3B	X	5.985	4.5
68	MP3B	Z	-3.455	4.5
69	MP3B	Mx	.007	4.5
70	MP3C	X	7.94	1
71	MP3C	Z	-4.584	1
72	MP3C	Mx	.005	1
73	MP3C	X	7.94	4.5
74	MP3C	Z	-4.584	4.5
75	MP3C	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.089	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.002	1.5
4	MP4A	X	2.089	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.002	4
7	MP4B	X	4.524	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	.002	1.5
10	MP4B	X	4.524	4
11	MP4B	Z	0	4
12	MP4B	Mx	.002	4
13	MP4C	X	4.956	1.5
14	MP4C	Z	0	1.5
15	MP4C	Mx	.001	1.5
16	MP4C	X	4.956	4
17	MP4C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.001	4
19	M102	X	8.315	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	3.894	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.000974	1.5
25	MP2C	X	4.081	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.000698	1.5
28	MP3A	X	2.838	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.001	1.5
31	MP2A	X	2.583	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	.001	1.5
34	MP3B	X	3.83	1.5
35	MP3B	Z	0	1.5
36	MP3B	Mx	-.000958	1.5
37	MP3C	X	4.051	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.000693	1.5
40	MP2A	X	6.126	1
41	MP2A	Z	0	1
42	MP2A	Mx	-.005	1
43	MP2A	X	6.126	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	-.005	4.5
46	MP2A	X	6.126	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.005	1
49	MP2A	X	6.126	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	-.005	4.5
52	MP3B	X	8.479	1
53	MP3B	Z	0	1
54	MP3B	Mx	-.001	1
55	MP3B	X	8.479	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	-.001	4.5
58	MP3C	X	8.896	1
59	MP3C	Z	0	1
60	MP3C	Mx	-.003	1
61	MP3C	X	8.896	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	-.003	4.5
64	MP3B	X	8.479	1
65	MP3B	Z	0	1
66	MP3B	Mx	.008	1
67	MP3B	X	8.479	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	.008	4.5
70	MP3C	X	8.896	1
71	MP3C	Z	0	1
72	MP3C	Mx	.008	1
73	MP3C	X	8.896	4.5
74	MP3C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.512	1.5
2	MP4A	Z	1.45	1.5
3	MP4A	Mx	-.002	1.5
4	MP4A	X	2.512	4
5	MP4A	Z	1.45	4
6	MP4A	Mx	-.002	4
7	MP4B	X	4.621	1.5
8	MP4B	Z	2.668	1.5
9	MP4B	Mx	0	1.5
10	MP4B	X	4.621	4
11	MP4B	Z	2.668	4
12	MP4B	Mx	0	4
13	MP4C	X	2.971	1.5
14	MP4C	Z	1.715	1.5
15	MP4C	Mx	.002	1.5
16	MP4C	X	2.971	4
17	MP4C	Z	1.715	4
18	MP4C	Mx	.002	4
19	M102	X	7.926	1
20	M102	Z	4.576	1
21	M102	Mx	0	1
22	MP2B	X	3.677	1.5
23	MP2B	Z	2.123	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	2.962	1.5
26	MP2C	Z	1.71	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	2.763	1.5
29	MP3A	Z	1.595	1.5
30	MP3A	Mx	.001	1.5
31	MP2A	X	2.597	1.5
32	MP2A	Z	1.499	1.5
33	MP2A	Mx	.001	1.5
34	MP3B	X	3.677	1.5
35	MP3B	Z	2.123	1.5
36	MP3B	Mx	0	1.5
37	MP3C	X	2.832	1.5
38	MP3C	Z	1.635	1.5
39	MP3C	Mx	-.001	1.5
40	MP2A	X	5.985	1
41	MP2A	Z	3.455	1
42	MP2A	Mx	-.003	1
43	MP2A	X	5.985	4.5
44	MP2A	Z	3.455	4.5
45	MP2A	Mx	-.003	4.5
46	MP2A	X	5.985	1
47	MP2A	Z	3.455	1
48	MP2A	Mx	-.007	1
49	MP2A	X	5.985	4.5
50	MP2A	Z	3.455	4.5
51	MP2A	Mx	-.007	4.5
52	MP3B	X	8.022	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3B	Z	4.632	1
54	MP3B	Mx	-.006	1
55	MP3B	X	8.022	4.5
56	MP3B	Z	4.632	4.5
57	MP3B	Mx	-.006	4.5
58	MP3C	X	6.428	1
59	MP3C	Z	3.711	1
60	MP3C	Mx	.002	1
61	MP3C	X	6.428	4.5
62	MP3C	Z	3.711	4.5
63	MP3C	Mx	.002	4.5
64	MP3B	X	8.022	1
65	MP3B	Z	4.632	1
66	MP3B	Mx	.006	1
67	MP3B	X	8.022	4.5
68	MP3B	Z	4.632	4.5
69	MP3B	Mx	.006	4.5
70	MP3C	X	6.428	1
71	MP3C	Z	3.711	1
72	MP3C	Mx	.008	1
73	MP3C	X	6.428	4.5
74	MP3C	Z	3.711	4.5
75	MP3C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.262	1.5
2	MP4A	Z	3.918	1.5
3	MP4A	Mx	-.002	1.5
4	MP4A	X	2.262	4
5	MP4A	Z	3.918	4
6	MP4A	Mx	-.002	4
7	MP4B	X	2.262	1.5
8	MP4B	Z	3.918	1.5
9	MP4B	Mx	-.002	1.5
10	MP4B	X	2.262	4
11	MP4B	Z	3.918	4
12	MP4B	Mx	-.002	4
13	MP4C	X	1.093	1.5
14	MP4C	Z	1.894	1.5
15	MP4C	Mx	.002	1.5
16	MP4C	X	1.093	4
17	MP4C	Z	1.894	4
18	MP4C	Mx	.002	4
19	M102	X	4.481	1
20	M102	Z	7.762	1
21	M102	Mx	0	1
22	MP2B	X	1.947	1.5
23	MP2B	Z	3.372	1.5
24	MP2B	Mx	.000973	1.5
25	MP2C	X	1.44	1.5
26	MP2C	Z	2.495	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	1.947	1.5
29	MP3A	Z	3.372	1.5
30	MP3A	Mx	.000974	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	1.915	1.5
32	MP2A	Z	3.317	1.5
33	MP2A	Mx	.000958	1.5
34	MP3B	X	1.915	1.5
35	MP3B	Z	3.317	1.5
36	MP3B	Mx	.000958	1.5
37	MP3C	X	1.316	1.5
38	MP3C	Z	2.28	1.5
39	MP3C	Mx	-.001	1.5
40	MP2A	X	4.24	1
41	MP2A	Z	7.343	1
42	MP2A	Mx	.001	1
43	MP2A	X	4.24	4.5
44	MP2A	Z	7.343	4.5
45	MP2A	Mx	.001	4.5
46	MP2A	X	4.24	1
47	MP2A	Z	7.343	1
48	MP2A	Mx	-.008	1
49	MP2A	X	4.24	4.5
50	MP2A	Z	7.343	4.5
51	MP2A	Mx	-.008	4.5
52	MP3B	X	4.24	1
53	MP3B	Z	7.343	1
54	MP3B	Mx	-.008	1
55	MP3B	X	4.24	4.5
56	MP3B	Z	7.343	4.5
57	MP3B	Mx	-.008	4.5
58	MP3C	X	3.11	1
59	MP3C	Z	5.387	1
60	MP3C	Mx	.004	1
61	MP3C	X	3.11	4.5
62	MP3C	Z	5.387	4.5
63	MP3C	Mx	.004	4.5
64	MP3B	X	4.24	1
65	MP3B	Z	7.343	1
66	MP3B	Mx	.001	1
67	MP3B	X	4.24	4.5
68	MP3B	Z	7.343	4.5
69	MP3B	Mx	.001	4.5
70	MP3C	X	3.11	1
71	MP3C	Z	5.387	1
72	MP3C	Mx	.006	1
73	MP3C	X	3.11	4.5
74	MP3C	Z	5.387	4.5
75	MP3C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	5.336	1.5
3	MP4A	Mx	0	1.5
4	MP4A	X	0	4
5	MP4A	Z	5.336	4
6	MP4A	Mx	0	4
7	MP4B	X	0	1.5
8	MP4B	Z	2.901	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	-.002	1.5
10	MP4B	X	0	4
11	MP4B	Z	2.901	4
12	MP4B	Mx	-.002	4
13	MP4C	X	0	1.5
14	MP4C	Z	2.469	1.5
15	MP4C	Mx	.002	1.5
16	MP4C	X	0	4
17	MP4C	Z	2.469	4
18	MP4C	Mx	.002	4
19	M102	X	0	1
20	M102	Z	7.936	1
21	M102	Mx	0	1
22	MP2B	X	0	1.5
23	MP2B	Z	3.19	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	3.003	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	4.246	1.5
30	MP3A	Mx	0	1.5
31	MP2A	X	0	1.5
32	MP2A	Z	4.246	1.5
33	MP2A	Mx	0	1.5
34	MP3B	X	0	1.5
35	MP3B	Z	2.998	1.5
36	MP3B	Mx	.001	1.5
37	MP3C	X	0	1.5
38	MP3C	Z	2.777	1.5
39	MP3C	Mx	-.001	1.5
40	MP2A	X	0	1
41	MP2A	Z	9.263	1
42	MP2A	Mx	.006	1
43	MP2A	X	0	4.5
44	MP2A	Z	9.263	4.5
45	MP2A	Mx	.006	4.5
46	MP2A	X	0	1
47	MP2A	Z	9.263	1
48	MP2A	Mx	-.006	1
49	MP2A	X	0	4.5
50	MP2A	Z	9.263	4.5
51	MP2A	Mx	-.006	4.5
52	MP3B	X	0	1
53	MP3B	Z	6.91	1
54	MP3B	Mx	-.007	1
55	MP3B	X	0	4.5
56	MP3B	Z	6.91	4.5
57	MP3B	Mx	-.007	4.5
58	MP3C	X	0	1
59	MP3C	Z	6.493	1
60	MP3C	Mx	.007	1
61	MP3C	X	0	4.5
62	MP3C	Z	6.493	4.5
63	MP3C	Mx	.007	4.5
64	MP3B	X	0	1
65	MP3B	Z	6.91	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	-.003	1
67	MP3B	X	0	4.5
68	MP3B	Z	6.91	4.5
69	MP3B	Mx	-.003	4.5
70	MP3C	X	0	1
71	MP3C	Z	6.493	1
72	MP3C	Mx	.004	1
73	MP3C	X	0	4.5
74	MP3C	Z	6.493	4.5
75	MP3C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.262	1.5
2	MP4A	Z	3.918	1.5
3	MP4A	Mx	.002	1.5
4	MP4A	X	-2.262	4
5	MP4A	Z	3.918	4
6	MP4A	Mx	.002	4
7	MP4B	X	-1.044	1.5
8	MP4B	Z	1.809	1.5
9	MP4B	Mx	-.002	1.5
10	MP4B	X	-1.044	4
11	MP4B	Z	1.809	4
12	MP4B	Mx	-.002	4
13	MP4C	X	-1.997	1.5
14	MP4C	Z	3.459	1.5
15	MP4C	Mx	.002	1.5
16	MP4C	X	-1.997	4
17	MP4C	Z	3.459	4
18	MP4C	Mx	.002	4
19	M102	X	-3.549	1
20	M102	Z	6.148	1
21	M102	Mx	0	1
22	MP2B	X	-1.419	1.5
23	MP2B	Z	2.458	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-1.832	1.5
26	MP2C	Z	3.173	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	-1.947	1.5
29	MP3A	Z	3.372	1.5
30	MP3A	Mx	-.000974	1.5
31	MP2A	X	-1.915	1.5
32	MP2A	Z	3.317	1.5
33	MP2A	Mx	-.000958	1.5
34	MP3B	X	-1.291	1.5
35	MP3B	Z	2.237	1.5
36	MP3B	Mx	.001	1.5
37	MP3C	X	-1.779	1.5
38	MP3C	Z	3.082	1.5
39	MP3C	Mx	-.001	1.5
40	MP2A	X	-4.24	1
41	MP2A	Z	7.343	1
42	MP2A	Mx	.008	1
43	MP2A	X	-4.24	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2A	Z	7.343	4.5
45	MP2A	Mx	.008	4.5
46	MP2A	X	-4.24	1
47	MP2A	Z	7.343	1
48	MP2A	Mx	-.001	1
49	MP2A	X	-4.24	4.5
50	MP2A	Z	7.343	4.5
51	MP2A	Mx	-.001	4.5
52	MP3B	X	-3.063	1
53	MP3B	Z	5.305	1
54	MP3B	Mx	-.005	1
55	MP3B	X	-3.063	4.5
56	MP3B	Z	5.305	4.5
57	MP3B	Mx	-.005	4.5
58	MP3C	X	-3.984	1
59	MP3C	Z	6.9	1
60	MP3C	Mx	.008	1
61	MP3C	X	-3.984	4.5
62	MP3C	Z	6.9	4.5
63	MP3C	Mx	.008	4.5
64	MP3B	X	-3.063	1
65	MP3B	Z	5.305	1
66	MP3B	Mx	-.005	1
67	MP3B	X	-3.063	4.5
68	MP3B	Z	5.305	4.5
69	MP3B	Mx	-.005	4.5
70	MP3C	X	-3.984	1
71	MP3C	Z	6.9	1
72	MP3C	Mx	.000199	1
73	MP3C	X	-3.984	4.5
74	MP3C	Z	6.9	4.5
75	MP3C	Mx	.000199	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.512	1.5
2	MP4A	Z	1.45	1.5
3	MP4A	Mx	.002	1.5
4	MP4A	X	-2.512	4
5	MP4A	Z	1.45	4
6	MP4A	Mx	.002	4
7	MP4B	X	-2.512	1.5
8	MP4B	Z	1.45	1.5
9	MP4B	Mx	-.002	1.5
10	MP4B	X	-2.512	4
11	MP4B	Z	1.45	4
12	MP4B	Mx	-.002	4
13	MP4C	X	-4.536	1.5
14	MP4C	Z	2.619	1.5
15	MP4C	Mx	.000758	1.5
16	MP4C	X	-4.536	4
17	MP4C	Z	2.619	4
18	MP4C	Mx	.000758	4
19	M102	X	-6.312	1
20	M102	Z	3.644	1
21	M102	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	-2.763	1.5
23	MP2B	Z	1.595	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-3.64	1.5
26	MP2C	Z	2.102	1.5
27	MP2C	Mx	-.000365	1.5
28	MP3A	X	-2.763	1.5
29	MP3A	Z	1.595	1.5
30	MP3A	Mx	-.001	1.5
31	MP2A	X	-2.597	1.5
32	MP2A	Z	1.499	1.5
33	MP2A	Mx	-.001	1.5
34	MP3B	X	-2.597	1.5
35	MP3B	Z	1.499	1.5
36	MP3B	Mx	.001	1.5
37	MP3C	X	-3.634	1.5
38	MP3C	Z	2.098	1.5
39	MP3C	Mx	-.000364	1.5
40	MP2A	X	-5.985	1
41	MP2A	Z	3.455	1
42	MP2A	Mx	.007	1
43	MP2A	X	-5.985	4.5
44	MP2A	Z	3.455	4.5
45	MP2A	Mx	.007	4.5
46	MP2A	X	-5.985	1
47	MP2A	Z	3.455	1
48	MP2A	Mx	.003	1
49	MP2A	X	-5.985	4.5
50	MP2A	Z	3.455	4.5
51	MP2A	Mx	.003	4.5
52	MP3B	X	-5.985	1
53	MP3B	Z	3.455	1
54	MP3B	Mx	-.003	1
55	MP3B	X	-5.985	4.5
56	MP3B	Z	3.455	4.5
57	MP3B	Mx	-.003	4.5
58	MP3C	X	-7.94	1
59	MP3C	Z	4.584	1
60	MP3C	Mx	.007	1
61	MP3C	X	-7.94	4.5
62	MP3C	Z	4.584	4.5
63	MP3C	Mx	.007	4.5
64	MP3B	X	-5.985	1
65	MP3B	Z	3.455	1
66	MP3B	Mx	-.007	1
67	MP3B	X	-5.985	4.5
68	MP3B	Z	3.455	4.5
69	MP3B	Mx	-.007	4.5
70	MP3C	X	-7.94	1
71	MP3C	Z	4.584	1
72	MP3C	Mx	-.005	1
73	MP3C	X	-7.94	4.5
74	MP3C	Z	4.584	4.5
75	MP3C	Mx	-.005	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.089	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.002	1.5
4	MP4A	X	-2.089	4
5	MP4A	Z	0	4
6	MP4A	Mx	.002	4
7	MP4B	X	-4.524	1.5
8	MP4B	Z	0	1.5
9	MP4B	Mx	-.002	1.5
10	MP4B	X	-4.524	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.002	4
13	MP4C	X	-4.956	1.5
14	MP4C	Z	0	1.5
15	MP4C	Mx	-.001	1.5
16	MP4C	X	-4.956	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.001	4
19	M102	X	-8.315	1
20	M102	Z	0	1
21	M102	Mx	0	1
22	MP2B	X	-3.894	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.000974	1.5
25	MP2C	X	-4.081	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.000698	1.5
28	MP3A	X	-2.838	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.001	1.5
31	MP2A	X	-2.583	1.5
32	MP2A	Z	0	1.5
33	MP2A	Mx	-.001	1.5
34	MP3B	X	-3.83	1.5
35	MP3B	Z	0	1.5
36	MP3B	Mx	.000958	1.5
37	MP3C	X	-4.051	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	.000693	1.5
40	MP2A	X	-6.126	1
41	MP2A	Z	0	1
42	MP2A	Mx	.005	1
43	MP2A	X	-6.126	4.5
44	MP2A	Z	0	4.5
45	MP2A	Mx	.005	4.5
46	MP2A	X	-6.126	1
47	MP2A	Z	0	1
48	MP2A	Mx	.005	1
49	MP2A	X	-6.126	4.5
50	MP2A	Z	0	4.5
51	MP2A	Mx	.005	4.5
52	MP3B	X	-8.479	1
53	MP3B	Z	0	1
54	MP3B	Mx	.001	1
55	MP3B	X	-8.479	4.5
56	MP3B	Z	0	4.5
57	MP3B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-8.896	1
59	MP3C	Z	0	1
60	MP3C	Mx	.003	1
61	MP3C	X	-8.896	4.5
62	MP3C	Z	0	4.5
63	MP3C	Mx	.003	4.5
64	MP3B	X	-8.479	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.008	1
67	MP3B	X	-8.479	4.5
68	MP3B	Z	0	4.5
69	MP3B	Mx	-.008	4.5
70	MP3C	X	-8.896	1
71	MP3C	Z	0	1
72	MP3C	Mx	-.008	1
73	MP3C	X	-8.896	4.5
74	MP3C	Z	0	4.5
75	MP3C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.512	1.5
2	MP4A	Z	-1.45	1.5
3	MP4A	Mx	.002	1.5
4	MP4A	X	-2.512	4
5	MP4A	Z	-1.45	4
6	MP4A	Mx	.002	4
7	MP4B	X	-4.621	1.5
8	MP4B	Z	-2.668	1.5
9	MP4B	Mx	0	1.5
10	MP4B	X	-4.621	4
11	MP4B	Z	-2.668	4
12	MP4B	Mx	0	4
13	MP4C	X	-2.971	1.5
14	MP4C	Z	-1.715	1.5
15	MP4C	Mx	-.002	1.5
16	MP4C	X	-2.971	4
17	MP4C	Z	-1.715	4
18	MP4C	Mx	-.002	4
19	M102	X	-7.926	1
20	M102	Z	-4.576	1
21	M102	Mx	0	1
22	MP2B	X	-3.677	1.5
23	MP2B	Z	-2.123	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-2.962	1.5
26	MP2C	Z	-1.71	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	-2.763	1.5
29	MP3A	Z	-1.595	1.5
30	MP3A	Mx	-.001	1.5
31	MP2A	X	-2.597	1.5
32	MP2A	Z	-1.499	1.5
33	MP2A	Mx	-.001	1.5
34	MP3B	X	-3.677	1.5
35	MP3B	Z	-2.123	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	0	1.5
37	MP3C	X	-2.832	1.5
38	MP3C	Z	-1.635	1.5
39	MP3C	Mx	.001	1.5
40	MP2A	X	-5.985	1
41	MP2A	Z	-3.455	1
42	MP2A	Mx	.003	1
43	MP2A	X	-5.985	4.5
44	MP2A	Z	-3.455	4.5
45	MP2A	Mx	.003	4.5
46	MP2A	X	-5.985	1
47	MP2A	Z	-3.455	1
48	MP2A	Mx	.007	1
49	MP2A	X	-5.985	4.5
50	MP2A	Z	-3.455	4.5
51	MP2A	Mx	.007	4.5
52	MP3B	X	-8.022	1
53	MP3B	Z	-4.632	1
54	MP3B	Mx	.006	1
55	MP3B	X	-8.022	4.5
56	MP3B	Z	-4.632	4.5
57	MP3B	Mx	.006	4.5
58	MP3C	X	-6.428	1
59	MP3C	Z	-3.711	1
60	MP3C	Mx	-.002	1
61	MP3C	X	-6.428	4.5
62	MP3C	Z	-3.711	4.5
63	MP3C	Mx	-.002	4.5
64	MP3B	X	-8.022	1
65	MP3B	Z	-4.632	1
66	MP3B	Mx	-.006	1
67	MP3B	X	-8.022	4.5
68	MP3B	Z	-4.632	4.5
69	MP3B	Mx	-.006	4.5
70	MP3C	X	-6.428	1
71	MP3C	Z	-3.711	1
72	MP3C	Mx	-.008	1
73	MP3C	X	-6.428	4.5
74	MP3C	Z	-3.711	4.5
75	MP3C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.262	1.5
2	MP4A	Z	-3.918	1.5
3	MP4A	Mx	.002	1.5
4	MP4A	X	-2.262	4
5	MP4A	Z	-3.918	4
6	MP4A	Mx	.002	4
7	MP4B	X	-2.262	1.5
8	MP4B	Z	-3.918	1.5
9	MP4B	Mx	.002	1.5
10	MP4B	X	-2.262	4
11	MP4B	Z	-3.918	4
12	MP4B	Mx	.002	4
13	MP4C	X	-1.093	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	-1.894	1.5
15	MP4C	Mx	-.002	1.5
16	MP4C	X	-1.093	4
17	MP4C	Z	-1.894	4
18	MP4C	Mx	-.002	4
19	M102	X	-4.481	1
20	M102	Z	-7.762	1
21	M102	Mx	0	1
22	MP2B	X	-1.947	1.5
23	MP2B	Z	-3.372	1.5
24	MP2B	Mx	-.000973	1.5
25	MP2C	X	-1.44	1.5
26	MP2C	Z	-2.495	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	-1.947	1.5
29	MP3A	Z	-3.372	1.5
30	MP3A	Mx	-.000974	1.5
31	MP2A	X	-1.915	1.5
32	MP2A	Z	-3.317	1.5
33	MP2A	Mx	-.000958	1.5
34	MP3B	X	-1.915	1.5
35	MP3B	Z	-3.317	1.5
36	MP3B	Mx	-.000958	1.5
37	MP3C	X	-1.316	1.5
38	MP3C	Z	-2.28	1.5
39	MP3C	Mx	.001	1.5
40	MP2A	X	-4.24	1
41	MP2A	Z	-7.343	1
42	MP2A	Mx	-.001	1
43	MP2A	X	-4.24	4.5
44	MP2A	Z	-7.343	4.5
45	MP2A	Mx	-.001	4.5
46	MP2A	X	-4.24	1
47	MP2A	Z	-7.343	1
48	MP2A	Mx	.008	1
49	MP2A	X	-4.24	4.5
50	MP2A	Z	-7.343	4.5
51	MP2A	Mx	.008	4.5
52	MP3B	X	-4.24	1
53	MP3B	Z	-7.343	1
54	MP3B	Mx	.008	1
55	MP3B	X	-4.24	4.5
56	MP3B	Z	-7.343	4.5
57	MP3B	Mx	.008	4.5
58	MP3C	X	-3.11	1
59	MP3C	Z	-5.387	1
60	MP3C	Mx	-.004	1
61	MP3C	X	-3.11	4.5
62	MP3C	Z	-5.387	4.5
63	MP3C	Mx	-.004	4.5
64	MP3B	X	-4.24	1
65	MP3B	Z	-7.343	1
66	MP3B	Mx	-.001	1
67	MP3B	X	-4.24	4.5
68	MP3B	Z	-7.343	4.5
69	MP3B	Mx	-.001	4.5
70	MP3C	X	-3.11	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-5.387	1
72	MP3C	Mx	-.006	1
73	MP3C	X	-3.11	4.5
74	MP3C	Z	-5.387	4.5
75	MP3C	Mx	-.006	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M195B	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M193B	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M180	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M180	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	Y	-11.513	-11.513	0	%100
2	M133	Y	-11.513	-11.513	0	%100
3	M134	Y	-14.993	-14.993	0	%100
4	M137	Y	-8.731	-8.731	0	%100
5	M138	Y	-8.731	-8.731	0	%100
6	M145	Y	-14.993	-14.993	0	%100
7	M150	Y	-14.993	-14.993	0	%100
8	M124	Y	-10.052	-10.052	0	%100
9	M127	Y	-10.052	-10.052	0	%100
10	M175	Y	-10.052	-10.052	0	%100
11	M177	Y	-11.513	-11.513	0	%100
12	M178	Y	-11.513	-11.513	0	%100
13	M179	Y	-14.993	-14.993	0	%100
14	M182	Y	-8.731	-8.731	0	%100
15	M183	Y	-8.731	-8.731	0	%100
16	M190	Y	-14.993	-14.993	0	%100
17	M195	Y	-14.993	-14.993	0	%100
18	M175A	Y	-10.052	-10.052	0	%100
19	M176A	Y	-11.513	-11.513	0	%100
20	M177A	Y	-11.513	-11.513	0	%100
21	M178A	Y	-14.993	-14.993	0	%100
22	M181A	Y	-8.731	-8.731	0	%100
23	M182A	Y	-8.731	-8.731	0	%100
24	M189A	Y	-14.993	-14.993	0	%100
25	M194A	Y	-14.993	-14.993	0	%100
26	M173	Y	-10.052	-10.052	0	%100
27	M174	Y	-10.052	-10.052	0	%100
28	MP1A	Y	-7.839	-7.839	0	%100
29	MP2A	Y	-7.839	-7.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	MP3A	Y	-7.839	-7.839	0	%100
31	MP4A	Y	-7.839	-7.839	0	%100
32	MP1C	Y	-7.839	-7.839	0	%100
33	MP2C	Y	-7.839	-7.839	0	%100
34	MP3C	Y	-7.839	-7.839	0	%100
35	MP4C	Y	-7.839	-7.839	0	%100
36	MP1B	Y	-7.839	-7.839	0	%100
37	MP2B	Y	-7.839	-7.839	0	%100
38	MP3B	Y	-7.839	-7.839	0	%100
39	MP4B	Y	-7.839	-7.839	0	%100
40	M195B	Y	-15.707	-15.707	0	%100
41	M97	Y	-15.707	-15.707	0	%100
42	M98	Y	-15.707	-15.707	0	%100
43	M102	Y	-7.839	-7.839	0	%100
44	M104	Y	-8.14	-8.14	0	%100
45	M105	Y	-14.993	-14.993	0	%100
46	M109	Y	-8.14	-8.14	0	%100
47	M110	Y	-14.993	-14.993	0	%100
48	M94	Y	-8.14	-8.14	0	%100
49	M95	Y	-14.993	-14.993	0	%100
50	M98A	Y	-8.14	-8.14	0	%100
51	M99A	Y	-14.993	-14.993	0	%100
52	M102A	Y	-8.14	-8.14	0	%100
53	M103A	Y	-14.993	-14.993	0	%100
54	M106A	Y	-8.14	-8.14	0	%100
55	M107	Y	-14.993	-14.993	0	%100
56	M113A	Y	-8.823	-8.823	0	%100
57	M118	Y	-8.823	-8.823	0	%100
58	M123	Y	-8.823	-8.823	0	%100
59	M130	Y	-11.513	-11.513	0	%100
60	M133A	Y	-11.513	-11.513	0	%100
61	M136A	Y	-11.513	-11.513	0	%100
62	M139A	Y	-11.513	-11.513	0	%100
63	M140A	Y	-11.513	-11.513	0	%100
64	M143	Y	-11.513	-11.513	0	%100
65	M144	Y	-11.513	-11.513	0	%100
66	M147	Y	-11.513	-11.513	0	%100
67	M148	Y	-11.513	-11.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	-1.978	-1.978	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	-1.978	-1.978	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	-5.004	-5.004	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	-11.116	-11.116	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	-2.779	-2.779	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	-21.475	-21.475	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	-5.369	-5.369	0	%100
15	M124	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M124	Z	-11.677	-11.677	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	-2.919	-2.919	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	-2.919	-2.919	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	-1.978	-1.978	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	-1.978	-1.978	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	-5.004	-5.004	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	-2.779	-2.779	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	-11.116	-11.116	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	-5.369	-5.369	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	-21.475	-21.475	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	-7.912	-7.912	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	-7.912	-7.912	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	-20.018	-20.018	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	-2.779	-2.779	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	-2.779	-2.779	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	-5.369	-5.369	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	-5.369	-5.369	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	-8.237	-8.237	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	-8.237	-8.237	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-7.924	-7.924	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-7.924	-7.924	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-7.924	-7.924	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-7.924	-7.924	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-7.924	-7.924	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-7.924	-7.924	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-7.924	-7.924	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-7.924	-7.924	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-7.924	-7.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-7.924	-7.924	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-7.924	-7.924	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-7.924	-7.924	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	-13.657	-13.657	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-14.009	-14.009	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-14.009	-14.009	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	-6.48	-6.48	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	-8.341	-8.341	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	-5.283	-5.283	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	-8.341	-8.341	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	-5.283	-5.283	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-2.085	-2.085	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-5.283	-5.283	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	-2.085	-2.085	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	-21.13	-21.13	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	-2.085	-2.085	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	-21.13	-21.13	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	-2.085	-2.085	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-5.283	-5.283	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	-9.592	-9.592	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	-2.398	-2.398	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	-2.398	-2.398	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	-2.965	-2.965	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-2.965	-2.965	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	-11.86	-11.86	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	-9.517	-9.517	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	-9.519	-9.519	0	%100
127	M143	X	0	0	0	%100
128	M143	Z	-5.85	-5.85	0	%100
129	M144	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
130	M144	Z	-12.572	-12.572	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	-12.573	-12.573	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	-5.85	-5.85	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	4.168	4.168	0	%100
8	M137	Z	-7.22	-7.22	0	%100
9	M138	X	4.168	4.168	0	%100
10	M138	Z	-7.22	-7.22	0	%100
11	M145	X	8.053	8.053	0	%100
12	M145	Z	-13.948	-13.948	0	%100
13	M150	X	8.053	8.053	0	%100
14	M150	Z	-13.948	-13.948	0	%100
15	M124	X	4.379	4.379	0	%100
16	M124	Z	-7.585	-7.585	0	%100
17	M127	X	4.379	4.379	0	%100
18	M127	Z	-7.585	-7.585	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	2.967	2.967	0	%100
22	M177	Z	-5.139	-5.139	0	%100
23	M178	X	2.967	2.967	0	%100
24	M178	Z	-5.139	-5.139	0	%100
25	M179	X	7.507	7.507	0	%100
26	M179	Z	-13.002	-13.002	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	4.168	4.168	0	%100
30	M183	Z	-7.22	-7.22	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	8.053	8.053	0	%100
34	M195	Z	-13.948	-13.948	0	%100
35	M175A	X	1.373	1.373	0	%100
36	M175A	Z	-2.378	-2.378	0	%100
37	M176A	X	2.967	2.967	0	%100
38	M176A	Z	-5.139	-5.139	0	%100
39	M177A	X	2.967	2.967	0	%100
40	M177A	Z	-5.139	-5.139	0	%100
41	M178A	X	7.507	7.507	0	%100
42	M178A	Z	-13.002	-13.002	0	%100
43	M181A	X	4.168	4.168	0	%100
44	M181A	Z	-7.22	-7.22	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	8.053	8.053	0	%100
48	M189A	Z	-13.948	-13.948	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	1.373	1.373	0	%100
52	M173	Z	-2.378	-2.378	0	%100
53	M174	X	5.491	5.491	0	%100
54	M174	Z	-9.511	-9.511	0	%100
55	MP1A	X	3.962	3.962	0	%100
56	MP1A	Z	-6.862	-6.862	0	%100
57	MP2A	X	3.962	3.962	0	%100
58	MP2A	Z	-6.862	-6.862	0	%100
59	MP3A	X	3.962	3.962	0	%100
60	MP3A	Z	-6.862	-6.862	0	%100
61	MP4A	X	3.962	3.962	0	%100
62	MP4A	Z	-6.862	-6.862	0	%100
63	MP1C	X	3.962	3.962	0	%100
64	MP1C	Z	-6.862	-6.862	0	%100
65	MP2C	X	3.962	3.962	0	%100
66	MP2C	Z	-6.862	-6.862	0	%100
67	MP3C	X	3.962	3.962	0	%100
68	MP3C	Z	-6.862	-6.862	0	%100
69	MP4C	X	3.962	3.962	0	%100
70	MP4C	Z	-6.862	-6.862	0	%100
71	MP1B	X	3.962	3.962	0	%100
72	MP1B	Z	-6.862	-6.862	0	%100
73	MP2B	X	3.962	3.962	0	%100
74	MP2B	Z	-6.862	-6.862	0	%100
75	MP3B	X	3.962	3.962	0	%100
76	MP3B	Z	-6.862	-6.862	0	%100
77	MP4B	X	3.962	3.962	0	%100
78	MP4B	Z	-6.862	-6.862	0	%100
79	M195B	X	6.887	6.887	0	%100
80	M195B	Z	-11.929	-11.929	0	%100
81	M97	X	6.887	6.887	0	%100
82	M97	Z	-11.929	-11.929	0	%100
83	M98	X	7.063	7.063	0	%100
84	M98	Z	-12.233	-12.233	0	%100
85	M102	X	3.24	3.24	0	%100
86	M102	Z	-5.611	-5.611	0	%100
87	M104	X	3.128	3.128	0	%100
88	M104	Z	-5.418	-5.418	0	%100
89	M105	X	7.924	7.924	0	%100
90	M105	Z	-13.724	-13.724	0	%100
91	M109	X	3.128	3.128	0	%100
92	M109	Z	-5.418	-5.418	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	3.128	3.128	0	%100
96	M94	Z	-5.418	-5.418	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	3.128	3.128	0	%100
100	M98A	Z	-5.418	-5.418	0	%100
101	M99A	X	7.924	7.924	0	%100
102	M99A	Z	-13.724	-13.724	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	7.924	7.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	M103A	Z	-13.724	-13.724	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	7.924	7.924	0	%100
110	M107	Z	-13.724	-13.724	0	%100
111	M113A	X	3.597	3.597	0	%100
112	M113A	Z	-6.23	-6.23	0	%100
113	M118	X	3.597	3.597	0	%100
114	M118	Z	-6.23	-6.23	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	4.448	4.448	0	%100
118	M130	Z	-7.703	-7.703	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	4.448	4.448	0	%100
122	M136A	Z	-7.703	-7.703	0	%100
123	M139A	X	6.388	6.388	0	%100
124	M139A	Z	-11.065	-11.065	0	%100
125	M140A	X	3.028	3.028	0	%100
126	M140A	Z	-5.244	-5.244	0	%100
127	M143	X	3.027	3.027	0	%100
128	M143	Z	-5.243	-5.243	0	%100
129	M144	X	6.389	6.389	0	%100
130	M144	Z	-11.065	-11.065	0	%100
131	M147	X	4.555	4.555	0	%100
132	M147	Z	-7.889	-7.889	0	%100
133	M148	X	4.554	4.554	0	%100
134	M148	Z	-7.888	-7.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	1.713	1.713	0	%100
2	M132	Z	-.989	-.989	0	%100
3	M133	X	1.713	1.713	0	%100
4	M133	Z	-.989	-.989	0	%100
5	M134	X	4.334	4.334	0	%100
6	M134	Z	-2.502	-2.502	0	%100
7	M137	X	2.407	2.407	0	%100
8	M137	Z	-1.389	-1.389	0	%100
9	M138	X	9.626	9.626	0	%100
10	M138	Z	-5.558	-5.558	0	%100
11	M145	X	4.649	4.649	0	%100
12	M145	Z	-2.684	-2.684	0	%100
13	M150	X	18.598	18.598	0	%100
14	M150	Z	-10.737	-10.737	0	%100
15	M124	X	2.528	2.528	0	%100
16	M124	Z	-1.46	-1.46	0	%100
17	M127	X	10.113	10.113	0	%100
18	M127	Z	-5.839	-5.839	0	%100
19	M175	X	2.528	2.528	0	%100
20	M175	Z	-1.46	-1.46	0	%100
21	M177	X	6.852	6.852	0	%100
22	M177	Z	-3.956	-3.956	0	%100
23	M178	X	6.852	6.852	0	%100
24	M178	Z	-3.956	-3.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M179	X	17.336	17.336	0	%100
26	M179	Z	-10.009	-10.009	0	%100
27	M182	X	2.407	2.407	0	%100
28	M182	Z	-1.389	-1.389	0	%100
29	M183	X	2.407	2.407	0	%100
30	M183	Z	-1.389	-1.389	0	%100
31	M190	X	4.649	4.649	0	%100
32	M190	Z	-2.684	-2.684	0	%100
33	M195	X	4.649	4.649	0	%100
34	M195	Z	-2.684	-2.684	0	%100
35	M175A	X	7.133	7.133	0	%100
36	M175A	Z	-4.118	-4.118	0	%100
37	M176A	X	1.713	1.713	0	%100
38	M176A	Z	-.989	-.989	0	%100
39	M177A	X	1.713	1.713	0	%100
40	M177A	Z	-.989	-.989	0	%100
41	M178A	X	4.334	4.334	0	%100
42	M178A	Z	-2.502	-2.502	0	%100
43	M181A	X	9.626	9.626	0	%100
44	M181A	Z	-5.558	-5.558	0	%100
45	M182A	X	2.407	2.407	0	%100
46	M182A	Z	-1.389	-1.389	0	%100
47	M189A	X	18.598	18.598	0	%100
48	M189A	Z	-10.737	-10.737	0	%100
49	M194A	X	4.649	4.649	0	%100
50	M194A	Z	-2.684	-2.684	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	7.133	7.133	0	%100
54	M174	Z	-4.118	-4.118	0	%100
55	MP1A	X	6.862	6.862	0	%100
56	MP1A	Z	-3.962	-3.962	0	%100
57	MP2A	X	6.862	6.862	0	%100
58	MP2A	Z	-3.962	-3.962	0	%100
59	MP3A	X	6.862	6.862	0	%100
60	MP3A	Z	-3.962	-3.962	0	%100
61	MP4A	X	6.862	6.862	0	%100
62	MP4A	Z	-3.962	-3.962	0	%100
63	MP1C	X	6.862	6.862	0	%100
64	MP1C	Z	-3.962	-3.962	0	%100
65	MP2C	X	6.862	6.862	0	%100
66	MP2C	Z	-3.962	-3.962	0	%100
67	MP3C	X	6.862	6.862	0	%100
68	MP3C	Z	-3.962	-3.962	0	%100
69	MP4C	X	6.862	6.862	0	%100
70	MP4C	Z	-3.962	-3.962	0	%100
71	MP1B	X	6.862	6.862	0	%100
72	MP1B	Z	-3.962	-3.962	0	%100
73	MP2B	X	6.862	6.862	0	%100
74	MP2B	Z	-3.962	-3.962	0	%100
75	MP3B	X	6.862	6.862	0	%100
76	MP3B	Z	-3.962	-3.962	0	%100
77	MP4B	X	6.862	6.862	0	%100
78	MP4B	Z	-3.962	-3.962	0	%100
79	M195B	X	12.132	12.132	0	%100
80	M195B	Z	-7.004	-7.004	0	%100
81	M97	X	11.827	11.827	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	M97	Z	-6.829	-6.829	0	%100
83	M98	X	12.132	12.132	0	%100
84	M98	Z	-7.004	-7.004	0	%100
85	M102	X	5.611	5.611	0	%100
86	M102	Z	-3.24	-3.24	0	%100
87	M104	X	1.806	1.806	0	%100
88	M104	Z	-1.043	-1.043	0	%100
89	M105	X	18.299	18.299	0	%100
90	M105	Z	-10.565	-10.565	0	%100
91	M109	X	1.806	1.806	0	%100
92	M109	Z	-1.043	-1.043	0	%100
93	M110	X	4.575	4.575	0	%100
94	M110	Z	-2.641	-2.641	0	%100
95	M94	X	7.223	7.223	0	%100
96	M94	Z	-4.17	-4.17	0	%100
97	M95	X	4.575	4.575	0	%100
98	M95	Z	-2.641	-2.641	0	%100
99	M98A	X	7.223	7.223	0	%100
100	M98A	Z	-4.17	-4.17	0	%100
101	M99A	X	4.575	4.575	0	%100
102	M99A	Z	-2.641	-2.641	0	%100
103	M102A	X	1.806	1.806	0	%100
104	M102A	Z	-1.043	-1.043	0	%100
105	M103A	X	4.575	4.575	0	%100
106	M103A	Z	-2.641	-2.641	0	%100
107	M106A	X	1.806	1.806	0	%100
108	M106A	Z	-1.043	-1.043	0	%100
109	M107	X	18.299	18.299	0	%100
110	M107	Z	-10.565	-10.565	0	%100
111	M113A	X	2.077	2.077	0	%100
112	M113A	Z	-1.199	-1.199	0	%100
113	M118	X	8.307	8.307	0	%100
114	M118	Z	-4.796	-4.796	0	%100
115	M123	X	2.077	2.077	0	%100
116	M123	Z	-1.199	-1.199	0	%100
117	M130	X	10.271	10.271	0	%100
118	M130	Z	-5.93	-5.93	0	%100
119	M133A	X	2.568	2.568	0	%100
120	M133A	Z	-1.483	-1.483	0	%100
121	M136A	X	2.568	2.568	0	%100
122	M136A	Z	-1.483	-1.483	0	%100
123	M139A	X	10.888	10.888	0	%100
124	M139A	Z	-6.286	-6.286	0	%100
125	M140A	X	5.066	5.066	0	%100
126	M140A	Z	-2.925	-2.925	0	%100
127	M143	X	8.242	8.242	0	%100
128	M143	Z	-4.758	-4.758	0	%100
129	M144	X	8.244	8.244	0	%100
130	M144	Z	-4.759	-4.759	0	%100
131	M147	X	5.067	5.067	0	%100
132	M147	Z	-2.925	-2.925	0	%100
133	M148	X	10.887	10.887	0	%100
134	M148	Z	-6.286	-6.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	5.934	5.934	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	5.934	5.934	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	15.013	15.013	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	8.337	8.337	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	16.106	16.106	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	8.758	8.758	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	8.758	8.758	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	5.934	5.934	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	5.934	5.934	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	15.013	15.013	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	8.337	8.337	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	16.106	16.106	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	10.982	10.982	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	8.337	8.337	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	8.337	8.337	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	16.106	16.106	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	16.106	16.106	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	2.746	2.746	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	2.746	2.746	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	7.924	7.924	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	7.924	7.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2A	Z	0	0	0	%100
59	MP3A	X	7.924	7.924	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	7.924	7.924	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	7.924	7.924	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	7.924	7.924	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	7.924	7.924	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	7.924	7.924	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	7.924	7.924	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	7.924	7.924	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	7.924	7.924	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	7.924	7.924	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	14.126	14.126	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	13.774	13.774	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	13.774	13.774	0	%100
84	M98	Z	0	0	0	%100
85	M102	X	6.48	6.48	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	15.848	15.848	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	15.848	15.848	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	6.256	6.256	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	15.848	15.848	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	6.256	6.256	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	6.256	6.256	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	6.256	6.256	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	15.848	15.848	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	7.194	7.194	0	%100
114	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M123	X	7.194	7.194	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	8.895	8.895	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	8.895	8.895	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	9.11	9.11	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	9.108	9.108	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	12.776	12.776	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	6.055	6.055	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	6.054	6.054	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	12.777	12.777	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	6.852	6.852	0	%100
2	M132	Z	3.956	3.956	0	%100
3	M133	X	6.852	6.852	0	%100
4	M133	Z	3.956	3.956	0	%100
5	M134	X	17.336	17.336	0	%100
6	M134	Z	10.009	10.009	0	%100
7	M137	X	2.407	2.407	0	%100
8	M137	Z	1.389	1.389	0	%100
9	M138	X	2.407	2.407	0	%100
10	M138	Z	1.389	1.389	0	%100
11	M145	X	4.649	4.649	0	%100
12	M145	Z	2.684	2.684	0	%100
13	M150	X	4.649	4.649	0	%100
14	M150	Z	2.684	2.684	0	%100
15	M124	X	2.528	2.528	0	%100
16	M124	Z	1.46	1.46	0	%100
17	M127	X	2.528	2.528	0	%100
18	M127	Z	1.46	1.46	0	%100
19	M175	X	10.113	10.113	0	%100
20	M175	Z	5.839	5.839	0	%100
21	M177	X	1.713	1.713	0	%100
22	M177	Z	.989	.989	0	%100
23	M178	X	1.713	1.713	0	%100
24	M178	Z	.989	.989	0	%100
25	M179	X	4.334	4.334	0	%100
26	M179	Z	2.502	2.502	0	%100
27	M182	X	9.626	9.626	0	%100
28	M182	Z	5.558	5.558	0	%100
29	M183	X	2.407	2.407	0	%100
30	M183	Z	1.389	1.389	0	%100
31	M190	X	18.598	18.598	0	%100
32	M190	Z	10.737	10.737	0	%100
33	M195	X	4.649	4.649	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M195	Z	2.684	2.684	0	%100
35	M175A	X	7.133	7.133	0	%100
36	M175A	Z	4.118	4.118	0	%100
37	M176A	X	1.713	1.713	0	%100
38	M176A	Z	.989	.989	0	%100
39	M177A	X	1.713	1.713	0	%100
40	M177A	Z	.989	.989	0	%100
41	M178A	X	4.334	4.334	0	%100
42	M178A	Z	2.502	2.502	0	%100
43	M181A	X	2.407	2.407	0	%100
44	M181A	Z	1.389	1.389	0	%100
45	M182A	X	9.626	9.626	0	%100
46	M182A	Z	5.558	5.558	0	%100
47	M189A	X	4.649	4.649	0	%100
48	M189A	Z	2.684	2.684	0	%100
49	M194A	X	18.598	18.598	0	%100
50	M194A	Z	10.737	10.737	0	%100
51	M173	X	7.133	7.133	0	%100
52	M173	Z	4.118	4.118	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	6.862	6.862	0	%100
56	MP1A	Z	3.962	3.962	0	%100
57	MP2A	X	6.862	6.862	0	%100
58	MP2A	Z	3.962	3.962	0	%100
59	MP3A	X	6.862	6.862	0	%100
60	MP3A	Z	3.962	3.962	0	%100
61	MP4A	X	6.862	6.862	0	%100
62	MP4A	Z	3.962	3.962	0	%100
63	MP1C	X	6.862	6.862	0	%100
64	MP1C	Z	3.962	3.962	0	%100
65	MP2C	X	6.862	6.862	0	%100
66	MP2C	Z	3.962	3.962	0	%100
67	MP3C	X	6.862	6.862	0	%100
68	MP3C	Z	3.962	3.962	0	%100
69	MP4C	X	6.862	6.862	0	%100
70	MP4C	Z	3.962	3.962	0	%100
71	MP1B	X	6.862	6.862	0	%100
72	MP1B	Z	3.962	3.962	0	%100
73	MP2B	X	6.862	6.862	0	%100
74	MP2B	Z	3.962	3.962	0	%100
75	MP3B	X	6.862	6.862	0	%100
76	MP3B	Z	3.962	3.962	0	%100
77	MP4B	X	6.862	6.862	0	%100
78	MP4B	Z	3.962	3.962	0	%100
79	M195B	X	12.132	12.132	0	%100
80	M195B	Z	7.004	7.004	0	%100
81	M97	X	12.132	12.132	0	%100
82	M97	Z	7.004	7.004	0	%100
83	M98	X	11.827	11.827	0	%100
84	M98	Z	6.829	6.829	0	%100
85	M102	X	5.611	5.611	0	%100
86	M102	Z	3.24	3.24	0	%100
87	M104	X	1.806	1.806	0	%100
88	M104	Z	1.043	1.043	0	%100
89	M105	X	4.575	4.575	0	%100
90	M105	Z	2.641	2.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M109	X	1.806	1.806	0	%100
92	M109	Z	1.043	1.043	0	%100
93	M110	X	18.299	18.299	0	%100
94	M110	Z	10.565	10.565	0	%100
95	M94	X	1.806	1.806	0	%100
96	M94	Z	1.043	1.043	0	%100
97	M95	X	18.299	18.299	0	%100
98	M95	Z	10.565	10.565	0	%100
99	M98A	X	1.806	1.806	0	%100
100	M98A	Z	1.043	1.043	0	%100
101	M99A	X	4.575	4.575	0	%100
102	M99A	Z	2.641	2.641	0	%100
103	M102A	X	7.223	7.223	0	%100
104	M102A	Z	4.17	4.17	0	%100
105	M103A	X	4.575	4.575	0	%100
106	M103A	Z	2.641	2.641	0	%100
107	M106A	X	7.223	7.223	0	%100
108	M106A	Z	4.17	4.17	0	%100
109	M107	X	4.575	4.575	0	%100
110	M107	Z	2.641	2.641	0	%100
111	M113A	X	2.077	2.077	0	%100
112	M113A	Z	1.199	1.199	0	%100
113	M118	X	2.077	2.077	0	%100
114	M118	Z	1.199	1.199	0	%100
115	M123	X	8.307	8.307	0	%100
116	M123	Z	4.796	4.796	0	%100
117	M130	X	2.568	2.568	0	%100
118	M130	Z	1.483	1.483	0	%100
119	M133A	X	10.271	10.271	0	%100
120	M133A	Z	5.93	5.93	0	%100
121	M136A	X	2.568	2.568	0	%100
122	M136A	Z	1.483	1.483	0	%100
123	M139A	X	5.067	5.067	0	%100
124	M139A	Z	2.925	2.925	0	%100
125	M140A	X	10.887	10.887	0	%100
126	M140A	Z	6.286	6.286	0	%100
127	M143	X	10.888	10.888	0	%100
128	M143	Z	6.286	6.286	0	%100
129	M144	X	5.066	5.066	0	%100
130	M144	Z	2.925	2.925	0	%100
131	M147	X	8.242	8.242	0	%100
132	M147	Z	4.758	4.758	0	%100
133	M148	X	8.244	8.244	0	%100
134	M148	Z	4.759	4.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	2.967	2.967	0	%100
2	M132	Z	5.139	5.139	0	%100
3	M133	X	2.967	2.967	0	%100
4	M133	Z	5.139	5.139	0	%100
5	M134	X	7.507	7.507	0	%100
6	M134	Z	13.002	13.002	0	%100
7	M137	X	4.168	4.168	0	%100
8	M137	Z	7.22	7.22	0	%100
9	M138	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M138	Z	0	0	0	%100
11	M145	X	8.053	8.053	0	%100
12	M145	Z	13.948	13.948	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	4.379	4.379	0	%100
16	M124	Z	7.585	7.585	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	4.379	4.379	0	%100
20	M175	Z	7.585	7.585	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	4.168	4.168	0	%100
28	M182	Z	7.22	7.22	0	%100
29	M183	X	4.168	4.168	0	%100
30	M183	Z	7.22	7.22	0	%100
31	M190	X	8.053	8.053	0	%100
32	M190	Z	13.948	13.948	0	%100
33	M195	X	8.053	8.053	0	%100
34	M195	Z	13.948	13.948	0	%100
35	M175A	X	1.373	1.373	0	%100
36	M175A	Z	2.378	2.378	0	%100
37	M176A	X	2.967	2.967	0	%100
38	M176A	Z	5.139	5.139	0	%100
39	M177A	X	2.967	2.967	0	%100
40	M177A	Z	5.139	5.139	0	%100
41	M178A	X	7.507	7.507	0	%100
42	M178A	Z	13.002	13.002	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	4.168	4.168	0	%100
46	M182A	Z	7.22	7.22	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	8.053	8.053	0	%100
50	M194A	Z	13.948	13.948	0	%100
51	M173	X	5.491	5.491	0	%100
52	M173	Z	9.511	9.511	0	%100
53	M174	X	1.373	1.373	0	%100
54	M174	Z	2.378	2.378	0	%100
55	MP1A	X	3.962	3.962	0	%100
56	MP1A	Z	6.862	6.862	0	%100
57	MP2A	X	3.962	3.962	0	%100
58	MP2A	Z	6.862	6.862	0	%100
59	MP3A	X	3.962	3.962	0	%100
60	MP3A	Z	6.862	6.862	0	%100
61	MP4A	X	3.962	3.962	0	%100
62	MP4A	Z	6.862	6.862	0	%100
63	MP1C	X	3.962	3.962	0	%100
64	MP1C	Z	6.862	6.862	0	%100
65	MP2C	X	3.962	3.962	0	%100
66	MP2C	Z	6.862	6.862	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	MP3C	X	3.962	3.962	0	%100
68	MP3C	Z	6.862	6.862	0	%100
69	MP4C	X	3.962	3.962	0	%100
70	MP4C	Z	6.862	6.862	0	%100
71	MP1B	X	3.962	3.962	0	%100
72	MP1B	Z	6.862	6.862	0	%100
73	MP2B	X	3.962	3.962	0	%100
74	MP2B	Z	6.862	6.862	0	%100
75	MP3B	X	3.962	3.962	0	%100
76	MP3B	Z	6.862	6.862	0	%100
77	MP4B	X	3.962	3.962	0	%100
78	MP4B	Z	6.862	6.862	0	%100
79	M195B	X	6.887	6.887	0	%100
80	M195B	Z	11.929	11.929	0	%100
81	M97	X	7.063	7.063	0	%100
82	M97	Z	12.233	12.233	0	%100
83	M98	X	6.887	6.887	0	%100
84	M98	Z	11.929	11.929	0	%100
85	M102	X	3.24	3.24	0	%100
86	M102	Z	5.611	5.611	0	%100
87	M104	X	3.128	3.128	0	%100
88	M104	Z	5.418	5.418	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	3.128	3.128	0	%100
92	M109	Z	5.418	5.418	0	%100
93	M110	X	7.924	7.924	0	%100
94	M110	Z	13.724	13.724	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	7.924	7.924	0	%100
98	M95	Z	13.724	13.724	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	7.924	7.924	0	%100
102	M99A	Z	13.724	13.724	0	%100
103	M102A	X	3.128	3.128	0	%100
104	M102A	Z	5.418	5.418	0	%100
105	M103A	X	7.924	7.924	0	%100
106	M103A	Z	13.724	13.724	0	%100
107	M106A	X	3.128	3.128	0	%100
108	M106A	Z	5.418	5.418	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	3.597	3.597	0	%100
112	M113A	Z	6.23	6.23	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	3.597	3.597	0	%100
116	M123	Z	6.23	6.23	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	4.448	4.448	0	%100
120	M133A	Z	7.703	7.703	0	%100
121	M136A	X	4.448	4.448	0	%100
122	M136A	Z	7.703	7.703	0	%100
123	M139A	X	3.027	3.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	M139A	Z	5.243	5.243	0	%100
125	M140A	X	6.389	6.389	0	%100
126	M140A	Z	11.065	11.065	0	%100
127	M143	X	4.555	4.555	0	%100
128	M143	Z	7.889	7.889	0	%100
129	M144	X	4.554	4.554	0	%100
130	M144	Z	7.888	7.888	0	%100
131	M147	X	6.388	6.388	0	%100
132	M147	Z	11.065	11.065	0	%100
133	M148	X	3.028	3.028	0	%100
134	M148	Z	5.244	5.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	1.978	1.978	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	1.978	1.978	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	5.004	5.004	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	11.116	11.116	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	2.779	2.779	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	21.475	21.475	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	5.369	5.369	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	11.677	11.677	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	2.919	2.919	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	2.919	2.919	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	1.978	1.978	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	1.978	1.978	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	5.004	5.004	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	2.779	2.779	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	11.116	11.116	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	5.369	5.369	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	21.475	21.475	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	7.912	7.912	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	7.912	7.912	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	20.018	20.018	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M181A	X	0	0	0	%100
44	M181A	Z	2.779	2.779	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	2.779	2.779	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	5.369	5.369	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	5.369	5.369	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	8.237	8.237	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	8.237	8.237	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	7.924	7.924	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	7.924	7.924	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	7.924	7.924	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	7.924	7.924	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	7.924	7.924	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	7.924	7.924	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	7.924	7.924	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	7.924	7.924	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	7.924	7.924	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	7.924	7.924	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	7.924	7.924	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	7.924	7.924	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	13.657	13.657	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	14.009	14.009	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	14.009	14.009	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	6.48	6.48	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	8.341	8.341	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	5.283	5.283	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	8.341	8.341	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	5.283	5.283	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	2.085	2.085	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	5.283	5.283	0	%100
99	M98A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M98A	Z	2.085	2.085	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	21.13	21.13	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	2.085	2.085	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	21.13	21.13	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	2.085	2.085	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	5.283	5.283	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	9.592	9.592	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	2.398	2.398	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	2.398	2.398	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	2.965	2.965	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	2.965	2.965	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	11.86	11.86	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	9.517	9.517	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	9.519	9.519	0	%100
127	M143	X	0	0	0	%100
128	M143	Z	5.85	5.85	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	12.572	12.572	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	12.573	12.573	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	5.85	5.85	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	-4.168	-4.168	0	%100
8	M137	Z	7.22	7.22	0	%100
9	M138	X	-4.168	-4.168	0	%100
10	M138	Z	7.22	7.22	0	%100
11	M145	X	-8.053	-8.053	0	%100
12	M145	Z	13.948	13.948	0	%100
13	M150	X	-8.053	-8.053	0	%100
14	M150	Z	13.948	13.948	0	%100
15	M124	X	-4.379	-4.379	0	%100
16	M124	Z	7.585	7.585	0	%100
17	M127	X	-4.379	-4.379	0	%100
18	M127	Z	7.585	7.585	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-2.967	-2.967	0	%100
22	M177	Z	5.139	5.139	0	%100
23	M178	X	-2.967	-2.967	0	%100
24	M178	Z	5.139	5.139	0	%100
25	M179	X	-7.507	-7.507	0	%100
26	M179	Z	13.002	13.002	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	-4.168	-4.168	0	%100
30	M183	Z	7.22	7.22	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	-8.053	-8.053	0	%100
34	M195	Z	13.948	13.948	0	%100
35	M175A	X	-1.373	-1.373	0	%100
36	M175A	Z	2.378	2.378	0	%100
37	M176A	X	-2.967	-2.967	0	%100
38	M176A	Z	5.139	5.139	0	%100
39	M177A	X	-2.967	-2.967	0	%100
40	M177A	Z	5.139	5.139	0	%100
41	M178A	X	-7.507	-7.507	0	%100
42	M178A	Z	13.002	13.002	0	%100
43	M181A	X	-4.168	-4.168	0	%100
44	M181A	Z	7.22	7.22	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-8.053	-8.053	0	%100
48	M189A	Z	13.948	13.948	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-1.373	-1.373	0	%100
52	M173	Z	2.378	2.378	0	%100
53	M174	X	-5.491	-5.491	0	%100
54	M174	Z	9.511	9.511	0	%100
55	MP1A	X	-3.962	-3.962	0	%100
56	MP1A	Z	6.862	6.862	0	%100
57	MP2A	X	-3.962	-3.962	0	%100
58	MP2A	Z	6.862	6.862	0	%100
59	MP3A	X	-3.962	-3.962	0	%100
60	MP3A	Z	6.862	6.862	0	%100
61	MP4A	X	-3.962	-3.962	0	%100
62	MP4A	Z	6.862	6.862	0	%100
63	MP1C	X	-3.962	-3.962	0	%100
64	MP1C	Z	6.862	6.862	0	%100
65	MP2C	X	-3.962	-3.962	0	%100
66	MP2C	Z	6.862	6.862	0	%100
67	MP3C	X	-3.962	-3.962	0	%100
68	MP3C	Z	6.862	6.862	0	%100
69	MP4C	X	-3.962	-3.962	0	%100
70	MP4C	Z	6.862	6.862	0	%100
71	MP1B	X	-3.962	-3.962	0	%100
72	MP1B	Z	6.862	6.862	0	%100
73	MP2B	X	-3.962	-3.962	0	%100
74	MP2B	Z	6.862	6.862	0	%100
75	MP3B	X	-3.962	-3.962	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP3B	Z	6.862	6.862	0	%100
77	MP4B	X	-3.962	-3.962	0	%100
78	MP4B	Z	6.862	6.862	0	%100
79	M195B	X	-6.887	-6.887	0	%100
80	M195B	Z	11.929	11.929	0	%100
81	M97	X	-6.887	-6.887	0	%100
82	M97	Z	11.929	11.929	0	%100
83	M98	X	-7.063	-7.063	0	%100
84	M98	Z	12.233	12.233	0	%100
85	M102	X	-3.24	-3.24	0	%100
86	M102	Z	5.611	5.611	0	%100
87	M104	X	-3.128	-3.128	0	%100
88	M104	Z	5.418	5.418	0	%100
89	M105	X	-7.924	-7.924	0	%100
90	M105	Z	13.724	13.724	0	%100
91	M109	X	-3.128	-3.128	0	%100
92	M109	Z	5.418	5.418	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-3.128	-3.128	0	%100
96	M94	Z	5.418	5.418	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-3.128	-3.128	0	%100
100	M98A	Z	5.418	5.418	0	%100
101	M99A	X	-7.924	-7.924	0	%100
102	M99A	Z	13.724	13.724	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	-7.924	-7.924	0	%100
106	M103A	Z	13.724	13.724	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-7.924	-7.924	0	%100
110	M107	Z	13.724	13.724	0	%100
111	M113A	X	-3.597	-3.597	0	%100
112	M113A	Z	6.23	6.23	0	%100
113	M118	X	-3.597	-3.597	0	%100
114	M118	Z	6.23	6.23	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-4.448	-4.448	0	%100
118	M130	Z	7.703	7.703	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	-4.448	-4.448	0	%100
122	M136A	Z	7.703	7.703	0	%100
123	M139A	X	-6.388	-6.388	0	%100
124	M139A	Z	11.065	11.065	0	%100
125	M140A	X	-3.028	-3.028	0	%100
126	M140A	Z	5.244	5.244	0	%100
127	M143	X	-3.027	-3.027	0	%100
128	M143	Z	5.243	5.243	0	%100
129	M144	X	-6.389	-6.389	0	%100
130	M144	Z	11.065	11.065	0	%100
131	M147	X	-4.555	-4.555	0	%100
132	M147	Z	7.889	7.889	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	M148	X	-4.554	-4.554	0	%100
134	M148	Z	7.888	7.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-1.713	-1.713	0	%100
2	M132	Z	.989	.989	0	%100
3	M133	X	-1.713	-1.713	0	%100
4	M133	Z	.989	.989	0	%100
5	M134	X	-4.334	-4.334	0	%100
6	M134	Z	2.502	2.502	0	%100
7	M137	X	-2.407	-2.407	0	%100
8	M137	Z	1.389	1.389	0	%100
9	M138	X	-9.626	-9.626	0	%100
10	M138	Z	5.558	5.558	0	%100
11	M145	X	-4.649	-4.649	0	%100
12	M145	Z	2.684	2.684	0	%100
13	M150	X	-18.598	-18.598	0	%100
14	M150	Z	10.737	10.737	0	%100
15	M124	X	-2.528	-2.528	0	%100
16	M124	Z	1.46	1.46	0	%100
17	M127	X	-10.113	-10.113	0	%100
18	M127	Z	5.839	5.839	0	%100
19	M175	X	-2.528	-2.528	0	%100
20	M175	Z	1.46	1.46	0	%100
21	M177	X	-6.852	-6.852	0	%100
22	M177	Z	3.956	3.956	0	%100
23	M178	X	-6.852	-6.852	0	%100
24	M178	Z	3.956	3.956	0	%100
25	M179	X	-17.336	-17.336	0	%100
26	M179	Z	10.009	10.009	0	%100
27	M182	X	-2.407	-2.407	0	%100
28	M182	Z	1.389	1.389	0	%100
29	M183	X	-2.407	-2.407	0	%100
30	M183	Z	1.389	1.389	0	%100
31	M190	X	-4.649	-4.649	0	%100
32	M190	Z	2.684	2.684	0	%100
33	M195	X	-4.649	-4.649	0	%100
34	M195	Z	2.684	2.684	0	%100
35	M175A	X	-7.133	-7.133	0	%100
36	M175A	Z	4.118	4.118	0	%100
37	M176A	X	-1.713	-1.713	0	%100
38	M176A	Z	.989	.989	0	%100
39	M177A	X	-1.713	-1.713	0	%100
40	M177A	Z	.989	.989	0	%100
41	M178A	X	-4.334	-4.334	0	%100
42	M178A	Z	2.502	2.502	0	%100
43	M181A	X	-9.626	-9.626	0	%100
44	M181A	Z	5.558	5.558	0	%100
45	M182A	X	-2.407	-2.407	0	%100
46	M182A	Z	1.389	1.389	0	%100
47	M189A	X	-18.598	-18.598	0	%100
48	M189A	Z	10.737	10.737	0	%100
49	M194A	X	-4.649	-4.649	0	%100
50	M194A	Z	2.684	2.684	0	%100
51	M173	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M173	Z	0	0	0	%100
53	M174	X	-7.133	-7.133	0	%100
54	M174	Z	4.118	4.118	0	%100
55	MP1A	X	-6.862	-6.862	0	%100
56	MP1A	Z	3.962	3.962	0	%100
57	MP2A	X	-6.862	-6.862	0	%100
58	MP2A	Z	3.962	3.962	0	%100
59	MP3A	X	-6.862	-6.862	0	%100
60	MP3A	Z	3.962	3.962	0	%100
61	MP4A	X	-6.862	-6.862	0	%100
62	MP4A	Z	3.962	3.962	0	%100
63	MP1C	X	-6.862	-6.862	0	%100
64	MP1C	Z	3.962	3.962	0	%100
65	MP2C	X	-6.862	-6.862	0	%100
66	MP2C	Z	3.962	3.962	0	%100
67	MP3C	X	-6.862	-6.862	0	%100
68	MP3C	Z	3.962	3.962	0	%100
69	MP4C	X	-6.862	-6.862	0	%100
70	MP4C	Z	3.962	3.962	0	%100
71	MP1B	X	-6.862	-6.862	0	%100
72	MP1B	Z	3.962	3.962	0	%100
73	MP2B	X	-6.862	-6.862	0	%100
74	MP2B	Z	3.962	3.962	0	%100
75	MP3B	X	-6.862	-6.862	0	%100
76	MP3B	Z	3.962	3.962	0	%100
77	MP4B	X	-6.862	-6.862	0	%100
78	MP4B	Z	3.962	3.962	0	%100
79	M195B	X	-12.132	-12.132	0	%100
80	M195B	Z	7.004	7.004	0	%100
81	M97	X	-11.827	-11.827	0	%100
82	M97	Z	6.829	6.829	0	%100
83	M98	X	-12.132	-12.132	0	%100
84	M98	Z	7.004	7.004	0	%100
85	M102	X	-5.611	-5.611	0	%100
86	M102	Z	3.24	3.24	0	%100
87	M104	X	-1.806	-1.806	0	%100
88	M104	Z	1.043	1.043	0	%100
89	M105	X	-18.299	-18.299	0	%100
90	M105	Z	10.565	10.565	0	%100
91	M109	X	-1.806	-1.806	0	%100
92	M109	Z	1.043	1.043	0	%100
93	M110	X	-4.575	-4.575	0	%100
94	M110	Z	2.641	2.641	0	%100
95	M94	X	-7.223	-7.223	0	%100
96	M94	Z	4.17	4.17	0	%100
97	M95	X	-4.575	-4.575	0	%100
98	M95	Z	2.641	2.641	0	%100
99	M98A	X	-7.223	-7.223	0	%100
100	M98A	Z	4.17	4.17	0	%100
101	M99A	X	-4.575	-4.575	0	%100
102	M99A	Z	2.641	2.641	0	%100
103	M102A	X	-1.806	-1.806	0	%100
104	M102A	Z	1.043	1.043	0	%100
105	M103A	X	-4.575	-4.575	0	%100
106	M103A	Z	2.641	2.641	0	%100
107	M106A	X	-1.806	-1.806	0	%100
108	M106A	Z	1.043	1.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	-18.299	-18.299	0	%100
110	M107	Z	10.565	10.565	0	%100
111	M113A	X	-2.077	-2.077	0	%100
112	M113A	Z	1.199	1.199	0	%100
113	M118	X	-8.307	-8.307	0	%100
114	M118	Z	4.796	4.796	0	%100
115	M123	X	-2.077	-2.077	0	%100
116	M123	Z	1.199	1.199	0	%100
117	M130	X	-10.271	-10.271	0	%100
118	M130	Z	5.93	5.93	0	%100
119	M133A	X	-2.568	-2.568	0	%100
120	M133A	Z	1.483	1.483	0	%100
121	M136A	X	-2.568	-2.568	0	%100
122	M136A	Z	1.483	1.483	0	%100
123	M139A	X	-10.888	-10.888	0	%100
124	M139A	Z	6.286	6.286	0	%100
125	M140A	X	-5.066	-5.066	0	%100
126	M140A	Z	2.925	2.925	0	%100
127	M143	X	-8.242	-8.242	0	%100
128	M143	Z	4.758	4.758	0	%100
129	M144	X	-8.244	-8.244	0	%100
130	M144	Z	4.759	4.759	0	%100
131	M147	X	-5.067	-5.067	0	%100
132	M147	Z	2.925	2.925	0	%100
133	M148	X	-10.887	-10.887	0	%100
134	M148	Z	6.286	6.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-5.934	-5.934	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	-5.934	-5.934	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	-15.013	-15.013	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	-8.337	-8.337	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	-16.106	-16.106	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	-8.758	-8.758	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-8.758	-8.758	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-5.934	-5.934	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	-5.934	-5.934	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	-15.013	-15.013	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-8.337	-8.337	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	-16.106	-16.106	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	-10.982	-10.982	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	-8.337	-8.337	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-8.337	-8.337	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-16.106	-16.106	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-16.106	-16.106	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-2.746	-2.746	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	-2.746	-2.746	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-7.924	-7.924	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-7.924	-7.924	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-7.924	-7.924	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-7.924	-7.924	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-7.924	-7.924	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-7.924	-7.924	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-7.924	-7.924	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-7.924	-7.924	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-7.924	-7.924	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-7.924	-7.924	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-7.924	-7.924	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-7.924	-7.924	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	-14.126	-14.126	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	-13.774	-13.774	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-13.774	-13.774	0	%100
84	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M102	X	-6.48	-6.48	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	-15.848	-15.848	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	-15.848	-15.848	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-6.256	-6.256	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-15.848	-15.848	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-6.256	-6.256	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	-6.256	-6.256	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	-6.256	-6.256	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-15.848	-15.848	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	-7.194	-7.194	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-7.194	-7.194	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-8.895	-8.895	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-8.895	-8.895	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	-9.11	-9.11	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	-9.108	-9.108	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	-12.776	-12.776	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	-6.055	-6.055	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	-6.054	-6.054	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	-12.777	-12.777	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-6.852	-6.852	0	%100
2	M132	Z	-3.956	-3.956	0	%100
3	M133	X	-6.852	-6.852	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M133	Z	-3.956	-3.956	0	%100
5	M134	X	-17.336	-17.336	0	%100
6	M134	Z	-10.009	-10.009	0	%100
7	M137	X	-2.407	-2.407	0	%100
8	M137	Z	-1.389	-1.389	0	%100
9	M138	X	-2.407	-2.407	0	%100
10	M138	Z	-1.389	-1.389	0	%100
11	M145	X	-4.649	-4.649	0	%100
12	M145	Z	-2.684	-2.684	0	%100
13	M150	X	-4.649	-4.649	0	%100
14	M150	Z	-2.684	-2.684	0	%100
15	M124	X	-2.528	-2.528	0	%100
16	M124	Z	-1.46	-1.46	0	%100
17	M127	X	-2.528	-2.528	0	%100
18	M127	Z	-1.46	-1.46	0	%100
19	M175	X	-10.113	-10.113	0	%100
20	M175	Z	-5.839	-5.839	0	%100
21	M177	X	-1.713	-1.713	0	%100
22	M177	Z	-.989	-.989	0	%100
23	M178	X	-1.713	-1.713	0	%100
24	M178	Z	-.989	-.989	0	%100
25	M179	X	-4.334	-4.334	0	%100
26	M179	Z	-2.502	-2.502	0	%100
27	M182	X	-9.626	-9.626	0	%100
28	M182	Z	-5.558	-5.558	0	%100
29	M183	X	-2.407	-2.407	0	%100
30	M183	Z	-1.389	-1.389	0	%100
31	M190	X	-18.598	-18.598	0	%100
32	M190	Z	-10.737	-10.737	0	%100
33	M195	X	-4.649	-4.649	0	%100
34	M195	Z	-2.684	-2.684	0	%100
35	M175A	X	-7.133	-7.133	0	%100
36	M175A	Z	-4.118	-4.118	0	%100
37	M176A	X	-1.713	-1.713	0	%100
38	M176A	Z	-.989	-.989	0	%100
39	M177A	X	-1.713	-1.713	0	%100
40	M177A	Z	-.989	-.989	0	%100
41	M178A	X	-4.334	-4.334	0	%100
42	M178A	Z	-2.502	-2.502	0	%100
43	M181A	X	-2.407	-2.407	0	%100
44	M181A	Z	-1.389	-1.389	0	%100
45	M182A	X	-9.626	-9.626	0	%100
46	M182A	Z	-5.558	-5.558	0	%100
47	M189A	X	-4.649	-4.649	0	%100
48	M189A	Z	-2.684	-2.684	0	%100
49	M194A	X	-18.598	-18.598	0	%100
50	M194A	Z	-10.737	-10.737	0	%100
51	M173	X	-7.133	-7.133	0	%100
52	M173	Z	-4.118	-4.118	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-6.862	-6.862	0	%100
56	MP1A	Z	-3.962	-3.962	0	%100
57	MP2A	X	-6.862	-6.862	0	%100
58	MP2A	Z	-3.962	-3.962	0	%100
59	MP3A	X	-6.862	-6.862	0	%100
60	MP3A	Z	-3.962	-3.962	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	MP4A	X	-6.862	-6.862	0	%100
62	MP4A	Z	-3.962	-3.962	0	%100
63	MP1C	X	-6.862	-6.862	0	%100
64	MP1C	Z	-3.962	-3.962	0	%100
65	MP2C	X	-6.862	-6.862	0	%100
66	MP2C	Z	-3.962	-3.962	0	%100
67	MP3C	X	-6.862	-6.862	0	%100
68	MP3C	Z	-3.962	-3.962	0	%100
69	MP4C	X	-6.862	-6.862	0	%100
70	MP4C	Z	-3.962	-3.962	0	%100
71	MP1B	X	-6.862	-6.862	0	%100
72	MP1B	Z	-3.962	-3.962	0	%100
73	MP2B	X	-6.862	-6.862	0	%100
74	MP2B	Z	-3.962	-3.962	0	%100
75	MP3B	X	-6.862	-6.862	0	%100
76	MP3B	Z	-3.962	-3.962	0	%100
77	MP4B	X	-6.862	-6.862	0	%100
78	MP4B	Z	-3.962	-3.962	0	%100
79	M195B	X	-12.132	-12.132	0	%100
80	M195B	Z	-7.004	-7.004	0	%100
81	M97	X	-12.132	-12.132	0	%100
82	M97	Z	-7.004	-7.004	0	%100
83	M98	X	-11.827	-11.827	0	%100
84	M98	Z	-6.829	-6.829	0	%100
85	M102	X	-5.611	-5.611	0	%100
86	M102	Z	-3.24	-3.24	0	%100
87	M104	X	-1.806	-1.806	0	%100
88	M104	Z	-1.043	-1.043	0	%100
89	M105	X	-4.575	-4.575	0	%100
90	M105	Z	-2.641	-2.641	0	%100
91	M109	X	-1.806	-1.806	0	%100
92	M109	Z	-1.043	-1.043	0	%100
93	M110	X	-18.299	-18.299	0	%100
94	M110	Z	-10.565	-10.565	0	%100
95	M94	X	-1.806	-1.806	0	%100
96	M94	Z	-1.043	-1.043	0	%100
97	M95	X	-18.299	-18.299	0	%100
98	M95	Z	-10.565	-10.565	0	%100
99	M98A	X	-1.806	-1.806	0	%100
100	M98A	Z	-1.043	-1.043	0	%100
101	M99A	X	-4.575	-4.575	0	%100
102	M99A	Z	-2.641	-2.641	0	%100
103	M102A	X	-7.223	-7.223	0	%100
104	M102A	Z	-4.17	-4.17	0	%100
105	M103A	X	-4.575	-4.575	0	%100
106	M103A	Z	-2.641	-2.641	0	%100
107	M106A	X	-7.223	-7.223	0	%100
108	M106A	Z	-4.17	-4.17	0	%100
109	M107	X	-4.575	-4.575	0	%100
110	M107	Z	-2.641	-2.641	0	%100
111	M113A	X	-2.077	-2.077	0	%100
112	M113A	Z	-1.199	-1.199	0	%100
113	M118	X	-2.077	-2.077	0	%100
114	M118	Z	-1.199	-1.199	0	%100
115	M123	X	-8.307	-8.307	0	%100
116	M123	Z	-4.796	-4.796	0	%100
117	M130	X	-2.568	-2.568	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	M130	Z	-1.483	-1.483	0	%100
119	M133A	X	-10.271	-10.271	0	%100
120	M133A	Z	-5.93	-5.93	0	%100
121	M136A	X	-2.568	-2.568	0	%100
122	M136A	Z	-1.483	-1.483	0	%100
123	M139A	X	-5.067	-5.067	0	%100
124	M139A	Z	-2.925	-2.925	0	%100
125	M140A	X	-10.887	-10.887	0	%100
126	M140A	Z	-6.286	-6.286	0	%100
127	M143	X	-10.888	-10.888	0	%100
128	M143	Z	-6.286	-6.286	0	%100
129	M144	X	-5.066	-5.066	0	%100
130	M144	Z	-2.925	-2.925	0	%100
131	M147	X	-8.242	-8.242	0	%100
132	M147	Z	-4.758	-4.758	0	%100
133	M148	X	-8.244	-8.244	0	%100
134	M148	Z	-4.759	-4.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-2.967	-2.967	0	%100
2	M132	Z	-5.139	-5.139	0	%100
3	M133	X	-2.967	-2.967	0	%100
4	M133	Z	-5.139	-5.139	0	%100
5	M134	X	-7.507	-7.507	0	%100
6	M134	Z	-13.002	-13.002	0	%100
7	M137	X	-4.168	-4.168	0	%100
8	M137	Z	-7.22	-7.22	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	-8.053	-8.053	0	%100
12	M145	Z	-13.948	-13.948	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	-4.379	-4.379	0	%100
16	M124	Z	-7.585	-7.585	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-4.379	-4.379	0	%100
20	M175	Z	-7.585	-7.585	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-4.168	-4.168	0	%100
28	M182	Z	-7.22	-7.22	0	%100
29	M183	X	-4.168	-4.168	0	%100
30	M183	Z	-7.22	-7.22	0	%100
31	M190	X	-8.053	-8.053	0	%100
32	M190	Z	-13.948	-13.948	0	%100
33	M195	X	-8.053	-8.053	0	%100
34	M195	Z	-13.948	-13.948	0	%100
35	M175A	X	-1.373	-1.373	0	%100
36	M175A	Z	-2.378	-2.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M176A	X	-2.967	-2.967	0	%100
38	M176A	Z	-5.139	-5.139	0	%100
39	M177A	X	-2.967	-2.967	0	%100
40	M177A	Z	-5.139	-5.139	0	%100
41	M178A	X	-7.507	-7.507	0	%100
42	M178A	Z	-13.002	-13.002	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-4.168	-4.168	0	%100
46	M182A	Z	-7.22	-7.22	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-8.053	-8.053	0	%100
50	M194A	Z	-13.948	-13.948	0	%100
51	M173	X	-5.491	-5.491	0	%100
52	M173	Z	-9.511	-9.511	0	%100
53	M174	X	-1.373	-1.373	0	%100
54	M174	Z	-2.378	-2.378	0	%100
55	MP1A	X	-3.962	-3.962	0	%100
56	MP1A	Z	-6.862	-6.862	0	%100
57	MP2A	X	-3.962	-3.962	0	%100
58	MP2A	Z	-6.862	-6.862	0	%100
59	MP3A	X	-3.962	-3.962	0	%100
60	MP3A	Z	-6.862	-6.862	0	%100
61	MP4A	X	-3.962	-3.962	0	%100
62	MP4A	Z	-6.862	-6.862	0	%100
63	MP1C	X	-3.962	-3.962	0	%100
64	MP1C	Z	-6.862	-6.862	0	%100
65	MP2C	X	-3.962	-3.962	0	%100
66	MP2C	Z	-6.862	-6.862	0	%100
67	MP3C	X	-3.962	-3.962	0	%100
68	MP3C	Z	-6.862	-6.862	0	%100
69	MP4C	X	-3.962	-3.962	0	%100
70	MP4C	Z	-6.862	-6.862	0	%100
71	MP1B	X	-3.962	-3.962	0	%100
72	MP1B	Z	-6.862	-6.862	0	%100
73	MP2B	X	-3.962	-3.962	0	%100
74	MP2B	Z	-6.862	-6.862	0	%100
75	MP3B	X	-3.962	-3.962	0	%100
76	MP3B	Z	-6.862	-6.862	0	%100
77	MP4B	X	-3.962	-3.962	0	%100
78	MP4B	Z	-6.862	-6.862	0	%100
79	M195B	X	-6.887	-6.887	0	%100
80	M195B	Z	-11.929	-11.929	0	%100
81	M97	X	-7.063	-7.063	0	%100
82	M97	Z	-12.233	-12.233	0	%100
83	M98	X	-6.887	-6.887	0	%100
84	M98	Z	-11.929	-11.929	0	%100
85	M102	X	-3.24	-3.24	0	%100
86	M102	Z	-5.611	-5.611	0	%100
87	M104	X	-3.128	-3.128	0	%100
88	M104	Z	-5.418	-5.418	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	-3.128	-3.128	0	%100
92	M109	Z	-5.418	-5.418	0	%100
93	M110	X	-7.924	-7.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M110	Z	-13.724	-13.724	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-7.924	-7.924	0	%100
98	M95	Z	-13.724	-13.724	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	-7.924	-7.924	0	%100
102	M99A	Z	-13.724	-13.724	0	%100
103	M102A	X	-3.128	-3.128	0	%100
104	M102A	Z	-5.418	-5.418	0	%100
105	M103A	X	-7.924	-7.924	0	%100
106	M103A	Z	-13.724	-13.724	0	%100
107	M106A	X	-3.128	-3.128	0	%100
108	M106A	Z	-5.418	-5.418	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	-3.597	-3.597	0	%100
112	M113A	Z	-6.23	-6.23	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-3.597	-3.597	0	%100
116	M123	Z	-6.23	-6.23	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-4.448	-4.448	0	%100
120	M133A	Z	-7.703	-7.703	0	%100
121	M136A	X	-4.448	-4.448	0	%100
122	M136A	Z	-7.703	-7.703	0	%100
123	M139A	X	-3.027	-3.027	0	%100
124	M139A	Z	-5.243	-5.243	0	%100
125	M140A	X	-6.389	-6.389	0	%100
126	M140A	Z	-11.065	-11.065	0	%100
127	M143	X	-4.555	-4.555	0	%100
128	M143	Z	-7.889	-7.889	0	%100
129	M144	X	-4.554	-4.554	0	%100
130	M144	Z	-7.888	-7.888	0	%100
131	M147	X	-6.388	-6.388	0	%100
132	M147	Z	-11.065	-11.065	0	%100
133	M148	X	-3.028	-3.028	0	%100
134	M148	Z	-5.244	-5.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	-.73	-.73	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	-.73	-.73	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	-1.255	-1.255	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	-3.775	-3.775	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	-.944	-.944	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	-5.244	-5.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M150	X	0	0	0	%100
14	M150	Z	-1.311	-1.311	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	-4.238	-4.238	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	-1.06	-1.06	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	-1.06	-1.06	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	-.73	-.73	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	-.73	-.73	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	-1.255	-1.255	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	-.944	-.944	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	-3.775	-3.775	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	-1.311	-1.311	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	-5.244	-5.244	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	-2.919	-2.919	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	-2.919	-2.919	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	-5.019	-5.019	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	-.944	-.944	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	-.944	-.944	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	-1.311	-1.311	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	-1.311	-1.311	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	-3.043	-3.043	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	-3.043	-3.043	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-3.529	-3.529	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-3.529	-3.529	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-3.529	-3.529	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-3.529	-3.529	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-3.529	-3.529	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-3.529	-3.529	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-3.529	-3.529	0	%100
69	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	MP4C	Z	-3.529	-3.529	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-3.529	-3.529	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-3.529	-3.529	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-3.529	-3.529	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-3.529	-3.529	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	-3.477	-3.477	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-4.106	-4.106	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-4.106	-4.106	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	-2.736	-2.736	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	-2.761	-2.761	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	-1.295	-1.295	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	-2.761	-2.761	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	-1.295	-1.295	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-.69	-.69	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-1.295	-1.295	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	-.69	-.69	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	-5.179	-5.179	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	-.69	-.69	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	-5.179	-5.179	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	-.69	-.69	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-1.295	-1.295	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	-3.844	-3.844	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	-.961	-.961	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	-.961	-.961	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	-.9	-.9	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-.9	-.9	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	-3.601	-3.601	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	-2.901	-2.901	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	-2.901	-2.901	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
127	M143	X	0	0	0	%100
128	M143	Z	-1.783	-1.783	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	-3.832	-3.832	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	-3.832	-3.832	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	-1.783	-1.783	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	1.416	1.416	0	%100
8	M137	Z	-2.452	-2.452	0	%100
9	M138	X	1.416	1.416	0	%100
10	M138	Z	-2.452	-2.452	0	%100
11	M145	X	1.967	1.967	0	%100
12	M145	Z	-3.406	-3.406	0	%100
13	M150	X	1.967	1.967	0	%100
14	M150	Z	-3.406	-3.406	0	%100
15	M124	X	1.589	1.589	0	%100
16	M124	Z	-2.753	-2.753	0	%100
17	M127	X	1.589	1.589	0	%100
18	M127	Z	-2.753	-2.753	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	1.095	1.095	0	%100
22	M177	Z	-1.896	-1.896	0	%100
23	M178	X	1.095	1.095	0	%100
24	M178	Z	-1.896	-1.896	0	%100
25	M179	X	1.882	1.882	0	%100
26	M179	Z	-3.26	-3.26	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	1.416	1.416	0	%100
30	M183	Z	-2.452	-2.452	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	1.967	1.967	0	%100
34	M195	Z	-3.406	-3.406	0	%100
35	M175A	X	.507	.507	0	%100
36	M175A	Z	-.878	-.878	0	%100
37	M176A	X	1.095	1.095	0	%100
38	M176A	Z	-1.896	-1.896	0	%100
39	M177A	X	1.095	1.095	0	%100
40	M177A	Z	-1.896	-1.896	0	%100
41	M178A	X	1.882	1.882	0	%100
42	M178A	Z	-3.26	-3.26	0	%100
43	M181A	X	1.416	1.416	0	%100
44	M181A	Z	-2.452	-2.452	0	%100
45	M182A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M182A	Z	0	0	0	%100
47	M189A	X	1.967	1.967	0	%100
48	M189A	Z	-3.406	-3.406	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	.507	.507	0	%100
52	M173	Z	-.878	-.878	0	%100
53	M174	X	2.029	2.029	0	%100
54	M174	Z	-3.514	-3.514	0	%100
55	MP1A	X	1.764	1.764	0	%100
56	MP1A	Z	-3.056	-3.056	0	%100
57	MP2A	X	1.764	1.764	0	%100
58	MP2A	Z	-3.056	-3.056	0	%100
59	MP3A	X	1.764	1.764	0	%100
60	MP3A	Z	-3.056	-3.056	0	%100
61	MP4A	X	1.764	1.764	0	%100
62	MP4A	Z	-3.056	-3.056	0	%100
63	MP1C	X	1.764	1.764	0	%100
64	MP1C	Z	-3.056	-3.056	0	%100
65	MP2C	X	1.764	1.764	0	%100
66	MP2C	Z	-3.056	-3.056	0	%100
67	MP3C	X	1.764	1.764	0	%100
68	MP3C	Z	-3.056	-3.056	0	%100
69	MP4C	X	1.764	1.764	0	%100
70	MP4C	Z	-3.056	-3.056	0	%100
71	MP1B	X	1.764	1.764	0	%100
72	MP1B	Z	-3.056	-3.056	0	%100
73	MP2B	X	1.764	1.764	0	%100
74	MP2B	Z	-3.056	-3.056	0	%100
75	MP3B	X	1.764	1.764	0	%100
76	MP3B	Z	-3.056	-3.056	0	%100
77	MP4B	X	1.764	1.764	0	%100
78	MP4B	Z	-3.056	-3.056	0	%100
79	M195B	X	1.843	1.843	0	%100
80	M195B	Z	-3.193	-3.193	0	%100
81	M97	X	1.843	1.843	0	%100
82	M97	Z	-3.193	-3.193	0	%100
83	M98	X	2.157	2.157	0	%100
84	M98	Z	-3.737	-3.737	0	%100
85	M102	X	1.368	1.368	0	%100
86	M102	Z	-2.369	-2.369	0	%100
87	M104	X	1.036	1.036	0	%100
88	M104	Z	-1.794	-1.794	0	%100
89	M105	X	1.942	1.942	0	%100
90	M105	Z	-3.364	-3.364	0	%100
91	M109	X	1.036	1.036	0	%100
92	M109	Z	-1.794	-1.794	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	1.036	1.036	0	%100
96	M94	Z	-1.794	-1.794	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	1.036	1.036	0	%100
100	M98A	Z	-1.794	-1.794	0	%100
101	M99A	X	1.942	1.942	0	%100
102	M99A	Z	-3.364	-3.364	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	1.942	1.942	0	%100
106	M103A	Z	-3.364	-3.364	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	1.942	1.942	0	%100
110	M107	Z	-3.364	-3.364	0	%100
111	M113A	X	1.442	1.442	0	%100
112	M113A	Z	-2.497	-2.497	0	%100
113	M118	X	1.442	1.442	0	%100
114	M118	Z	-2.497	-2.497	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	1.35	1.35	0	%100
118	M130	Z	-2.339	-2.339	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	1.35	1.35	0	%100
122	M136A	Z	-2.339	-2.339	0	%100
123	M139A	X	1.947	1.947	0	%100
124	M139A	Z	-3.372	-3.372	0	%100
125	M140A	X	.923	.923	0	%100
126	M140A	Z	-1.598	-1.598	0	%100
127	M143	X	.923	.923	0	%100
128	M143	Z	-1.598	-1.598	0	%100
129	M144	X	1.947	1.947	0	%100
130	M144	Z	-3.372	-3.372	0	%100
131	M147	X	1.388	1.388	0	%100
132	M147	Z	-2.405	-2.405	0	%100
133	M148	X	1.388	1.388	0	%100
134	M148	Z	-2.404	-2.404	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	.632	.632	0	%100
2	M132	Z	-.365	-.365	0	%100
3	M133	X	.632	.632	0	%100
4	M133	Z	-.365	-.365	0	%100
5	M134	X	1.087	1.087	0	%100
6	M134	Z	-.627	-.627	0	%100
7	M137	X	.817	.817	0	%100
8	M137	Z	-.472	-.472	0	%100
9	M138	X	3.269	3.269	0	%100
10	M138	Z	-1.888	-1.888	0	%100
11	M145	X	1.135	1.135	0	%100
12	M145	Z	-.656	-.656	0	%100
13	M150	X	4.542	4.542	0	%100
14	M150	Z	-2.622	-2.622	0	%100
15	M124	X	.918	.918	0	%100
16	M124	Z	-.53	-.53	0	%100
17	M127	X	3.67	3.67	0	%100
18	M127	Z	-2.119	-2.119	0	%100
19	M175	X	.918	.918	0	%100
20	M175	Z	-.53	-.53	0	%100
21	M177	X	2.528	2.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M177	Z	-1.46	-1.46	0	%100
23	M178	X	2.528	2.528	0	%100
24	M178	Z	-1.46	-1.46	0	%100
25	M179	X	4.347	4.347	0	%100
26	M179	Z	-2.51	-2.51	0	%100
27	M182	X	.817	.817	0	%100
28	M182	Z	-.472	-.472	0	%100
29	M183	X	.817	.817	0	%100
30	M183	Z	-.472	-.472	0	%100
31	M190	X	1.135	1.135	0	%100
32	M190	Z	-.656	-.656	0	%100
33	M195	X	1.135	1.135	0	%100
34	M195	Z	-.656	-.656	0	%100
35	M175A	X	2.635	2.635	0	%100
36	M175A	Z	-1.521	-1.521	0	%100
37	M176A	X	.632	.632	0	%100
38	M176A	Z	-.365	-.365	0	%100
39	M177A	X	.632	.632	0	%100
40	M177A	Z	-.365	-.365	0	%100
41	M178A	X	1.087	1.087	0	%100
42	M178A	Z	-.627	-.627	0	%100
43	M181A	X	3.269	3.269	0	%100
44	M181A	Z	-1.888	-1.888	0	%100
45	M182A	X	.817	.817	0	%100
46	M182A	Z	-.472	-.472	0	%100
47	M189A	X	4.542	4.542	0	%100
48	M189A	Z	-2.622	-2.622	0	%100
49	M194A	X	1.135	1.135	0	%100
50	M194A	Z	-.656	-.656	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	2.635	2.635	0	%100
54	M174	Z	-1.521	-1.521	0	%100
55	MP1A	X	3.056	3.056	0	%100
56	MP1A	Z	-1.764	-1.764	0	%100
57	MP2A	X	3.056	3.056	0	%100
58	MP2A	Z	-1.764	-1.764	0	%100
59	MP3A	X	3.056	3.056	0	%100
60	MP3A	Z	-1.764	-1.764	0	%100
61	MP4A	X	3.056	3.056	0	%100
62	MP4A	Z	-1.764	-1.764	0	%100
63	MP1C	X	3.056	3.056	0	%100
64	MP1C	Z	-1.764	-1.764	0	%100
65	MP2C	X	3.056	3.056	0	%100
66	MP2C	Z	-1.764	-1.764	0	%100
67	MP3C	X	3.056	3.056	0	%100
68	MP3C	Z	-1.764	-1.764	0	%100
69	MP4C	X	3.056	3.056	0	%100
70	MP4C	Z	-1.764	-1.764	0	%100
71	MP1B	X	3.056	3.056	0	%100
72	MP1B	Z	-1.764	-1.764	0	%100
73	MP2B	X	3.056	3.056	0	%100
74	MP2B	Z	-1.764	-1.764	0	%100
75	MP3B	X	3.056	3.056	0	%100
76	MP3B	Z	-1.764	-1.764	0	%100
77	MP4B	X	3.056	3.056	0	%100
78	MP4B	Z	-1.764	-1.764	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M195B	X	3.555	3.555	0	%100
80	M195B	Z	-2.053	-2.053	0	%100
81	M97	X	3.012	3.012	0	%100
82	M97	Z	-1.739	-1.739	0	%100
83	M98	X	3.555	3.555	0	%100
84	M98	Z	-2.053	-2.053	0	%100
85	M102	X	2.369	2.369	0	%100
86	M102	Z	-1.368	-1.368	0	%100
87	M104	X	.598	.598	0	%100
88	M104	Z	-.345	-.345	0	%100
89	M105	X	4.485	4.485	0	%100
90	M105	Z	-2.59	-2.59	0	%100
91	M109	X	.598	.598	0	%100
92	M109	Z	-.345	-.345	0	%100
93	M110	X	1.121	1.121	0	%100
94	M110	Z	-.647	-.647	0	%100
95	M94	X	2.391	2.391	0	%100
96	M94	Z	-1.381	-1.381	0	%100
97	M95	X	1.121	1.121	0	%100
98	M95	Z	-.647	-.647	0	%100
99	M98A	X	2.391	2.391	0	%100
100	M98A	Z	-1.381	-1.381	0	%100
101	M99A	X	1.121	1.121	0	%100
102	M99A	Z	-.647	-.647	0	%100
103	M102A	X	.598	.598	0	%100
104	M102A	Z	-.345	-.345	0	%100
105	M103A	X	1.121	1.121	0	%100
106	M103A	Z	-.647	-.647	0	%100
107	M106A	X	.598	.598	0	%100
108	M106A	Z	-.345	-.345	0	%100
109	M107	X	4.485	4.485	0	%100
110	M107	Z	-2.59	-2.59	0	%100
111	M113A	X	.832	.832	0	%100
112	M113A	Z	-.481	-.481	0	%100
113	M118	X	3.329	3.329	0	%100
114	M118	Z	-1.922	-1.922	0	%100
115	M123	X	.832	.832	0	%100
116	M123	Z	-.481	-.481	0	%100
117	M130	X	3.119	3.119	0	%100
118	M130	Z	-1.8	-1.8	0	%100
119	M133A	X	.78	.78	0	%100
120	M133A	Z	-.45	-.45	0	%100
121	M136A	X	.78	.78	0	%100
122	M136A	Z	-.45	-.45	0	%100
123	M139A	X	3.319	3.319	0	%100
124	M139A	Z	-1.916	-1.916	0	%100
125	M140A	X	1.544	1.544	0	%100
126	M140A	Z	-.891	-.891	0	%100
127	M143	X	2.512	2.512	0	%100
128	M143	Z	-1.45	-1.45	0	%100
129	M144	X	2.513	2.513	0	%100
130	M144	Z	-1.451	-1.451	0	%100
131	M147	X	1.544	1.544	0	%100
132	M147	Z	-.892	-.892	0	%100
133	M148	X	3.318	3.318	0	%100
134	M148	Z	-1.916	-1.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	2.189	2.189	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	2.189	2.189	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	3.764	3.764	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	2.831	2.831	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	3.933	3.933	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	3.179	3.179	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	3.179	3.179	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	2.189	2.189	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	2.189	2.189	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	3.764	3.764	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	2.831	2.831	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	3.933	3.933	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	4.057	4.057	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	2.831	2.831	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	2.831	2.831	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	3.933	3.933	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	3.933	3.933	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	1.014	1.014	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	1.014	1.014	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	3.529	3.529	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	3.529	3.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2A	Z	0	0	0	%100
59	MP3A	X	3.529	3.529	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	3.529	3.529	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	3.529	3.529	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	3.529	3.529	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	3.529	3.529	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	3.529	3.529	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	3.529	3.529	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	3.529	3.529	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	3.529	3.529	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	3.529	3.529	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	4.315	4.315	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	3.687	3.687	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	3.687	3.687	0	%100
84	M98	Z	0	0	0	%100
85	M102	X	2.736	2.736	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	3.884	3.884	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	3.884	3.884	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	2.071	2.071	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	3.884	3.884	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	2.071	2.071	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	2.071	2.071	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	2.071	2.071	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	3.884	3.884	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	2.883	2.883	0	%100
114	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M123	X	2.883	2.883	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	2.701	2.701	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	2.701	2.701	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	2.777	2.777	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	2.776	2.776	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	3.894	3.894	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	1.846	1.846	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	1.845	1.845	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	3.894	3.894	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	2.528	2.528	0	%100
2	M132	Z	1.46	1.46	0	%100
3	M133	X	2.528	2.528	0	%100
4	M133	Z	1.46	1.46	0	%100
5	M134	X	4.347	4.347	0	%100
6	M134	Z	2.51	2.51	0	%100
7	M137	X	.817	.817	0	%100
8	M137	Z	.472	.472	0	%100
9	M138	X	.817	.817	0	%100
10	M138	Z	.472	.472	0	%100
11	M145	X	1.135	1.135	0	%100
12	M145	Z	.656	.656	0	%100
13	M150	X	1.135	1.135	0	%100
14	M150	Z	.656	.656	0	%100
15	M124	X	.918	.918	0	%100
16	M124	Z	.53	.53	0	%100
17	M127	X	.918	.918	0	%100
18	M127	Z	.53	.53	0	%100
19	M175	X	3.67	3.67	0	%100
20	M175	Z	2.119	2.119	0	%100
21	M177	X	.632	.632	0	%100
22	M177	Z	.365	.365	0	%100
23	M178	X	.632	.632	0	%100
24	M178	Z	.365	.365	0	%100
25	M179	X	1.087	1.087	0	%100
26	M179	Z	.627	.627	0	%100
27	M182	X	3.269	3.269	0	%100
28	M182	Z	1.888	1.888	0	%100
29	M183	X	.817	.817	0	%100
30	M183	Z	.472	.472	0	%100
31	M190	X	4.542	4.542	0	%100
32	M190	Z	2.622	2.622	0	%100
33	M195	X	1.135	1.135	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M195	Z	.656	.656	0	%100
35	M175A	X	2.635	2.635	0	%100
36	M175A	Z	1.521	1.521	0	%100
37	M176A	X	.632	.632	0	%100
38	M176A	Z	.365	.365	0	%100
39	M177A	X	.632	.632	0	%100
40	M177A	Z	.365	.365	0	%100
41	M178A	X	1.087	1.087	0	%100
42	M178A	Z	.627	.627	0	%100
43	M181A	X	.817	.817	0	%100
44	M181A	Z	.472	.472	0	%100
45	M182A	X	3.269	3.269	0	%100
46	M182A	Z	1.888	1.888	0	%100
47	M189A	X	1.135	1.135	0	%100
48	M189A	Z	.656	.656	0	%100
49	M194A	X	4.542	4.542	0	%100
50	M194A	Z	2.622	2.622	0	%100
51	M173	X	2.635	2.635	0	%100
52	M173	Z	1.521	1.521	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	3.056	3.056	0	%100
56	MP1A	Z	1.764	1.764	0	%100
57	MP2A	X	3.056	3.056	0	%100
58	MP2A	Z	1.764	1.764	0	%100
59	MP3A	X	3.056	3.056	0	%100
60	MP3A	Z	1.764	1.764	0	%100
61	MP4A	X	3.056	3.056	0	%100
62	MP4A	Z	1.764	1.764	0	%100
63	MP1C	X	3.056	3.056	0	%100
64	MP1C	Z	1.764	1.764	0	%100
65	MP2C	X	3.056	3.056	0	%100
66	MP2C	Z	1.764	1.764	0	%100
67	MP3C	X	3.056	3.056	0	%100
68	MP3C	Z	1.764	1.764	0	%100
69	MP4C	X	3.056	3.056	0	%100
70	MP4C	Z	1.764	1.764	0	%100
71	MP1B	X	3.056	3.056	0	%100
72	MP1B	Z	1.764	1.764	0	%100
73	MP2B	X	3.056	3.056	0	%100
74	MP2B	Z	1.764	1.764	0	%100
75	MP3B	X	3.056	3.056	0	%100
76	MP3B	Z	1.764	1.764	0	%100
77	MP4B	X	3.056	3.056	0	%100
78	MP4B	Z	1.764	1.764	0	%100
79	M195B	X	3.555	3.555	0	%100
80	M195B	Z	2.053	2.053	0	%100
81	M97	X	3.555	3.555	0	%100
82	M97	Z	2.053	2.053	0	%100
83	M98	X	3.012	3.012	0	%100
84	M98	Z	1.739	1.739	0	%100
85	M102	X	2.369	2.369	0	%100
86	M102	Z	1.368	1.368	0	%100
87	M104	X	.598	.598	0	%100
88	M104	Z	.345	.345	0	%100
89	M105	X	1.121	1.121	0	%100
90	M105	Z	.647	.647	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M109	X	.598	.598	0	%100
92	M109	Z	.345	.345	0	%100
93	M110	X	4.485	4.485	0	%100
94	M110	Z	2.59	2.59	0	%100
95	M94	X	.598	.598	0	%100
96	M94	Z	.345	.345	0	%100
97	M95	X	4.485	4.485	0	%100
98	M95	Z	2.59	2.59	0	%100
99	M98A	X	.598	.598	0	%100
100	M98A	Z	.345	.345	0	%100
101	M99A	X	1.121	1.121	0	%100
102	M99A	Z	.647	.647	0	%100
103	M102A	X	2.391	2.391	0	%100
104	M102A	Z	1.381	1.381	0	%100
105	M103A	X	1.121	1.121	0	%100
106	M103A	Z	.647	.647	0	%100
107	M106A	X	2.391	2.391	0	%100
108	M106A	Z	1.381	1.381	0	%100
109	M107	X	1.121	1.121	0	%100
110	M107	Z	.647	.647	0	%100
111	M113A	X	.832	.832	0	%100
112	M113A	Z	.481	.481	0	%100
113	M118	X	.832	.832	0	%100
114	M118	Z	.481	.481	0	%100
115	M123	X	3.329	3.329	0	%100
116	M123	Z	1.922	1.922	0	%100
117	M130	X	.78	.78	0	%100
118	M130	Z	.45	.45	0	%100
119	M133A	X	3.119	3.119	0	%100
120	M133A	Z	1.8	1.8	0	%100
121	M136A	X	.78	.78	0	%100
122	M136A	Z	.45	.45	0	%100
123	M139A	X	1.544	1.544	0	%100
124	M139A	Z	.892	.892	0	%100
125	M140A	X	3.318	3.318	0	%100
126	M140A	Z	1.916	1.916	0	%100
127	M143	X	3.319	3.319	0	%100
128	M143	Z	1.916	1.916	0	%100
129	M144	X	1.544	1.544	0	%100
130	M144	Z	.891	.891	0	%100
131	M147	X	2.512	2.512	0	%100
132	M147	Z	1.45	1.45	0	%100
133	M148	X	2.513	2.513	0	%100
134	M148	Z	1.451	1.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	1.095	1.095	0	%100
2	M132	Z	1.896	1.896	0	%100
3	M133	X	1.095	1.095	0	%100
4	M133	Z	1.896	1.896	0	%100
5	M134	X	1.882	1.882	0	%100
6	M134	Z	3.26	3.26	0	%100
7	M137	X	1.416	1.416	0	%100
8	M137	Z	2.452	2.452	0	%100
9	M138	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M138	Z	0	0	0	%100
11	M145	X	1.967	1.967	0	%100
12	M145	Z	3.406	3.406	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	1.589	1.589	0	%100
16	M124	Z	2.753	2.753	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	1.589	1.589	0	%100
20	M175	Z	2.753	2.753	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	1.416	1.416	0	%100
28	M182	Z	2.452	2.452	0	%100
29	M183	X	1.416	1.416	0	%100
30	M183	Z	2.452	2.452	0	%100
31	M190	X	1.967	1.967	0	%100
32	M190	Z	3.406	3.406	0	%100
33	M195	X	1.967	1.967	0	%100
34	M195	Z	3.406	3.406	0	%100
35	M175A	X	.507	.507	0	%100
36	M175A	Z	.878	.878	0	%100
37	M176A	X	1.095	1.095	0	%100
38	M176A	Z	1.896	1.896	0	%100
39	M177A	X	1.095	1.095	0	%100
40	M177A	Z	1.896	1.896	0	%100
41	M178A	X	1.882	1.882	0	%100
42	M178A	Z	3.26	3.26	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	1.416	1.416	0	%100
46	M182A	Z	2.452	2.452	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	1.967	1.967	0	%100
50	M194A	Z	3.406	3.406	0	%100
51	M173	X	2.029	2.029	0	%100
52	M173	Z	3.514	3.514	0	%100
53	M174	X	.507	.507	0	%100
54	M174	Z	.878	.878	0	%100
55	MP1A	X	1.764	1.764	0	%100
56	MP1A	Z	3.056	3.056	0	%100
57	MP2A	X	1.764	1.764	0	%100
58	MP2A	Z	3.056	3.056	0	%100
59	MP3A	X	1.764	1.764	0	%100
60	MP3A	Z	3.056	3.056	0	%100
61	MP4A	X	1.764	1.764	0	%100
62	MP4A	Z	3.056	3.056	0	%100
63	MP1C	X	1.764	1.764	0	%100
64	MP1C	Z	3.056	3.056	0	%100
65	MP2C	X	1.764	1.764	0	%100
66	MP2C	Z	3.056	3.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	MP3C	X	1.764	1.764	0	%100
68	MP3C	Z	3.056	3.056	0	%100
69	MP4C	X	1.764	1.764	0	%100
70	MP4C	Z	3.056	3.056	0	%100
71	MP1B	X	1.764	1.764	0	%100
72	MP1B	Z	3.056	3.056	0	%100
73	MP2B	X	1.764	1.764	0	%100
74	MP2B	Z	3.056	3.056	0	%100
75	MP3B	X	1.764	1.764	0	%100
76	MP3B	Z	3.056	3.056	0	%100
77	MP4B	X	1.764	1.764	0	%100
78	MP4B	Z	3.056	3.056	0	%100
79	M195B	X	1.843	1.843	0	%100
80	M195B	Z	3.193	3.193	0	%100
81	M97	X	2.157	2.157	0	%100
82	M97	Z	3.737	3.737	0	%100
83	M98	X	1.843	1.843	0	%100
84	M98	Z	3.193	3.193	0	%100
85	M102	X	1.368	1.368	0	%100
86	M102	Z	2.369	2.369	0	%100
87	M104	X	1.036	1.036	0	%100
88	M104	Z	1.794	1.794	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	1.036	1.036	0	%100
92	M109	Z	1.794	1.794	0	%100
93	M110	X	1.942	1.942	0	%100
94	M110	Z	3.364	3.364	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	1.942	1.942	0	%100
98	M95	Z	3.364	3.364	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	1.942	1.942	0	%100
102	M99A	Z	3.364	3.364	0	%100
103	M102A	X	1.036	1.036	0	%100
104	M102A	Z	1.794	1.794	0	%100
105	M103A	X	1.942	1.942	0	%100
106	M103A	Z	3.364	3.364	0	%100
107	M106A	X	1.036	1.036	0	%100
108	M106A	Z	1.794	1.794	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	1.442	1.442	0	%100
112	M113A	Z	2.497	2.497	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	1.442	1.442	0	%100
116	M123	Z	2.497	2.497	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	1.35	1.35	0	%100
120	M133A	Z	2.339	2.339	0	%100
121	M136A	X	1.35	1.35	0	%100
122	M136A	Z	2.339	2.339	0	%100
123	M139A	X	.923	.923	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	M139A	Z	1.598	1.598	0	%100
125	M140A	X	1.947	1.947	0	%100
126	M140A	Z	3.372	3.372	0	%100
127	M143	X	1.388	1.388	0	%100
128	M143	Z	2.405	2.405	0	%100
129	M144	X	1.388	1.388	0	%100
130	M144	Z	2.404	2.404	0	%100
131	M147	X	1.947	1.947	0	%100
132	M147	Z	3.372	3.372	0	%100
133	M148	X	.923	.923	0	%100
134	M148	Z	1.598	1.598	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	.73	.73	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	.73	.73	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	1.255	1.255	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	3.775	3.775	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	.944	.944	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	5.244	5.244	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	1.311	1.311	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	4.238	4.238	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	1.06	1.06	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	1.06	1.06	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	.73	.73	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	.73	.73	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	1.255	1.255	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	.944	.944	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	3.775	3.775	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	1.311	1.311	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	5.244	5.244	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	2.919	2.919	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	2.919	2.919	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	5.019	5.019	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M181A	X	0	0	0	%100
44	M181A	Z	.944	.944	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	.944	.944	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	1.311	1.311	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	1.311	1.311	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	3.043	3.043	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	3.043	3.043	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	3.529	3.529	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	3.529	3.529	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	3.529	3.529	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	3.529	3.529	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	3.529	3.529	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	3.529	3.529	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	3.529	3.529	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	3.529	3.529	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	3.529	3.529	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	3.529	3.529	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	3.529	3.529	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	3.529	3.529	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	3.477	3.477	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	4.106	4.106	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	4.106	4.106	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	2.736	2.736	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	2.761	2.761	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	1.295	1.295	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	2.761	2.761	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	1.295	1.295	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	.69	.69	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	1.295	1.295	0	%100
99	M98A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M98A	Z	.69	.69	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	5.179	5.179	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	.69	.69	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	5.179	5.179	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	.69	.69	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	1.295	1.295	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	3.844	3.844	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	.961	.961	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	.961	.961	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	.9	.9	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	.9	.9	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	3.601	3.601	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	2.901	2.901	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	2.901	2.901	0	%100
127	M143	X	0	0	0	%100
128	M143	Z	1.783	1.783	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	3.832	3.832	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	3.832	3.832	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	1.783	1.783	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	-1.416	-1.416	0	%100
8	M137	Z	2.452	2.452	0	%100
9	M138	X	-1.416	-1.416	0	%100
10	M138	Z	2.452	2.452	0	%100
11	M145	X	-1.967	-1.967	0	%100
12	M145	Z	3.406	3.406	0	%100
13	M150	X	-1.967	-1.967	0	%100
14	M150	Z	3.406	3.406	0	%100
15	M124	X	-1.589	-1.589	0	%100
16	M124	Z	2.753	2.753	0	%100
17	M127	X	-1.589	-1.589	0	%100
18	M127	Z	2.753	2.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-1.095	-1.095	0	%100
22	M177	Z	1.896	1.896	0	%100
23	M178	X	-1.095	-1.095	0	%100
24	M178	Z	1.896	1.896	0	%100
25	M179	X	-1.882	-1.882	0	%100
26	M179	Z	3.26	3.26	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	-1.416	-1.416	0	%100
30	M183	Z	2.452	2.452	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	-1.967	-1.967	0	%100
34	M195	Z	3.406	3.406	0	%100
35	M175A	X	-.507	-.507	0	%100
36	M175A	Z	.878	.878	0	%100
37	M176A	X	-1.095	-1.095	0	%100
38	M176A	Z	1.896	1.896	0	%100
39	M177A	X	-1.095	-1.095	0	%100
40	M177A	Z	1.896	1.896	0	%100
41	M178A	X	-1.882	-1.882	0	%100
42	M178A	Z	3.26	3.26	0	%100
43	M181A	X	-1.416	-1.416	0	%100
44	M181A	Z	2.452	2.452	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-1.967	-1.967	0	%100
48	M189A	Z	3.406	3.406	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-.507	-.507	0	%100
52	M173	Z	.878	.878	0	%100
53	M174	X	-2.029	-2.029	0	%100
54	M174	Z	3.514	3.514	0	%100
55	MP1A	X	-1.764	-1.764	0	%100
56	MP1A	Z	3.056	3.056	0	%100
57	MP2A	X	-1.764	-1.764	0	%100
58	MP2A	Z	3.056	3.056	0	%100
59	MP3A	X	-1.764	-1.764	0	%100
60	MP3A	Z	3.056	3.056	0	%100
61	MP4A	X	-1.764	-1.764	0	%100
62	MP4A	Z	3.056	3.056	0	%100
63	MP1C	X	-1.764	-1.764	0	%100
64	MP1C	Z	3.056	3.056	0	%100
65	MP2C	X	-1.764	-1.764	0	%100
66	MP2C	Z	3.056	3.056	0	%100
67	MP3C	X	-1.764	-1.764	0	%100
68	MP3C	Z	3.056	3.056	0	%100
69	MP4C	X	-1.764	-1.764	0	%100
70	MP4C	Z	3.056	3.056	0	%100
71	MP1B	X	-1.764	-1.764	0	%100
72	MP1B	Z	3.056	3.056	0	%100
73	MP2B	X	-1.764	-1.764	0	%100
74	MP2B	Z	3.056	3.056	0	%100
75	MP3B	X	-1.764	-1.764	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP3B	Z	3.056	3.056	0	%100
77	MP4B	X	-1.764	-1.764	0	%100
78	MP4B	Z	3.056	3.056	0	%100
79	M195B	X	-1.843	-1.843	0	%100
80	M195B	Z	3.193	3.193	0	%100
81	M97	X	-1.843	-1.843	0	%100
82	M97	Z	3.193	3.193	0	%100
83	M98	X	-2.157	-2.157	0	%100
84	M98	Z	3.737	3.737	0	%100
85	M102	X	-1.368	-1.368	0	%100
86	M102	Z	2.369	2.369	0	%100
87	M104	X	-1.036	-1.036	0	%100
88	M104	Z	1.794	1.794	0	%100
89	M105	X	-1.942	-1.942	0	%100
90	M105	Z	3.364	3.364	0	%100
91	M109	X	-1.036	-1.036	0	%100
92	M109	Z	1.794	1.794	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-1.036	-1.036	0	%100
96	M94	Z	1.794	1.794	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-1.036	-1.036	0	%100
100	M98A	Z	1.794	1.794	0	%100
101	M99A	X	-1.942	-1.942	0	%100
102	M99A	Z	3.364	3.364	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	-1.942	-1.942	0	%100
106	M103A	Z	3.364	3.364	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-1.942	-1.942	0	%100
110	M107	Z	3.364	3.364	0	%100
111	M113A	X	-1.442	-1.442	0	%100
112	M113A	Z	2.497	2.497	0	%100
113	M118	X	-1.442	-1.442	0	%100
114	M118	Z	2.497	2.497	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-1.35	-1.35	0	%100
118	M130	Z	2.339	2.339	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	-1.35	-1.35	0	%100
122	M136A	Z	2.339	2.339	0	%100
123	M139A	X	-1.947	-1.947	0	%100
124	M139A	Z	3.372	3.372	0	%100
125	M140A	X	-.923	-.923	0	%100
126	M140A	Z	1.598	1.598	0	%100
127	M143	X	-.923	-.923	0	%100
128	M143	Z	1.598	1.598	0	%100
129	M144	X	-1.947	-1.947	0	%100
130	M144	Z	3.372	3.372	0	%100
131	M147	X	-1.388	-1.388	0	%100
132	M147	Z	2.405	2.405	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	M148	X	-1.388	-1.388	0	%100
134	M148	Z	2.404	2.404	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-.632	-.632	0	%100
2	M132	Z	.365	.365	0	%100
3	M133	X	-.632	-.632	0	%100
4	M133	Z	.365	.365	0	%100
5	M134	X	-1.087	-1.087	0	%100
6	M134	Z	.627	.627	0	%100
7	M137	X	-.817	-.817	0	%100
8	M137	Z	.472	.472	0	%100
9	M138	X	-3.269	-3.269	0	%100
10	M138	Z	1.888	1.888	0	%100
11	M145	X	-1.135	-1.135	0	%100
12	M145	Z	.656	.656	0	%100
13	M150	X	-4.542	-4.542	0	%100
14	M150	Z	2.622	2.622	0	%100
15	M124	X	-.918	-.918	0	%100
16	M124	Z	.53	.53	0	%100
17	M127	X	-3.67	-3.67	0	%100
18	M127	Z	2.119	2.119	0	%100
19	M175	X	-.918	-.918	0	%100
20	M175	Z	.53	.53	0	%100
21	M177	X	-2.528	-2.528	0	%100
22	M177	Z	1.46	1.46	0	%100
23	M178	X	-2.528	-2.528	0	%100
24	M178	Z	1.46	1.46	0	%100
25	M179	X	-4.347	-4.347	0	%100
26	M179	Z	2.51	2.51	0	%100
27	M182	X	-.817	-.817	0	%100
28	M182	Z	.472	.472	0	%100
29	M183	X	-.817	-.817	0	%100
30	M183	Z	.472	.472	0	%100
31	M190	X	-1.135	-1.135	0	%100
32	M190	Z	.656	.656	0	%100
33	M195	X	-1.135	-1.135	0	%100
34	M195	Z	.656	.656	0	%100
35	M175A	X	-2.635	-2.635	0	%100
36	M175A	Z	1.521	1.521	0	%100
37	M176A	X	-.632	-.632	0	%100
38	M176A	Z	.365	.365	0	%100
39	M177A	X	-.632	-.632	0	%100
40	M177A	Z	.365	.365	0	%100
41	M178A	X	-1.087	-1.087	0	%100
42	M178A	Z	.627	.627	0	%100
43	M181A	X	-3.269	-3.269	0	%100
44	M181A	Z	1.888	1.888	0	%100
45	M182A	X	-.817	-.817	0	%100
46	M182A	Z	.472	.472	0	%100
47	M189A	X	-4.542	-4.542	0	%100
48	M189A	Z	2.622	2.622	0	%100
49	M194A	X	-1.135	-1.135	0	%100
50	M194A	Z	.656	.656	0	%100
51	M173	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M173	Z	0	0	0	%100
53	M174	X	-2.635	-2.635	0	%100
54	M174	Z	1.521	1.521	0	%100
55	MP1A	X	-3.056	-3.056	0	%100
56	MP1A	Z	1.764	1.764	0	%100
57	MP2A	X	-3.056	-3.056	0	%100
58	MP2A	Z	1.764	1.764	0	%100
59	MP3A	X	-3.056	-3.056	0	%100
60	MP3A	Z	1.764	1.764	0	%100
61	MP4A	X	-3.056	-3.056	0	%100
62	MP4A	Z	1.764	1.764	0	%100
63	MP1C	X	-3.056	-3.056	0	%100
64	MP1C	Z	1.764	1.764	0	%100
65	MP2C	X	-3.056	-3.056	0	%100
66	MP2C	Z	1.764	1.764	0	%100
67	MP3C	X	-3.056	-3.056	0	%100
68	MP3C	Z	1.764	1.764	0	%100
69	MP4C	X	-3.056	-3.056	0	%100
70	MP4C	Z	1.764	1.764	0	%100
71	MP1B	X	-3.056	-3.056	0	%100
72	MP1B	Z	1.764	1.764	0	%100
73	MP2B	X	-3.056	-3.056	0	%100
74	MP2B	Z	1.764	1.764	0	%100
75	MP3B	X	-3.056	-3.056	0	%100
76	MP3B	Z	1.764	1.764	0	%100
77	MP4B	X	-3.056	-3.056	0	%100
78	MP4B	Z	1.764	1.764	0	%100
79	M195B	X	-3.555	-3.555	0	%100
80	M195B	Z	2.053	2.053	0	%100
81	M97	X	-3.012	-3.012	0	%100
82	M97	Z	1.739	1.739	0	%100
83	M98	X	-3.555	-3.555	0	%100
84	M98	Z	2.053	2.053	0	%100
85	M102	X	-2.369	-2.369	0	%100
86	M102	Z	1.368	1.368	0	%100
87	M104	X	-.598	-.598	0	%100
88	M104	Z	.345	.345	0	%100
89	M105	X	-4.485	-4.485	0	%100
90	M105	Z	2.59	2.59	0	%100
91	M109	X	-.598	-.598	0	%100
92	M109	Z	.345	.345	0	%100
93	M110	X	-1.121	-1.121	0	%100
94	M110	Z	.647	.647	0	%100
95	M94	X	-2.391	-2.391	0	%100
96	M94	Z	1.381	1.381	0	%100
97	M95	X	-1.121	-1.121	0	%100
98	M95	Z	.647	.647	0	%100
99	M98A	X	-2.391	-2.391	0	%100
100	M98A	Z	1.381	1.381	0	%100
101	M99A	X	-1.121	-1.121	0	%100
102	M99A	Z	.647	.647	0	%100
103	M102A	X	-.598	-.598	0	%100
104	M102A	Z	.345	.345	0	%100
105	M103A	X	-1.121	-1.121	0	%100
106	M103A	Z	.647	.647	0	%100
107	M106A	X	-.598	-.598	0	%100
108	M106A	Z	.345	.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	-4.485	-4.485	0	%100
110	M107	Z	2.59	2.59	0	%100
111	M113A	X	-.832	-.832	0	%100
112	M113A	Z	.481	.481	0	%100
113	M118	X	-3.329	-3.329	0	%100
114	M118	Z	1.922	1.922	0	%100
115	M123	X	-.832	-.832	0	%100
116	M123	Z	.481	.481	0	%100
117	M130	X	-3.119	-3.119	0	%100
118	M130	Z	1.8	1.8	0	%100
119	M133A	X	-.78	-.78	0	%100
120	M133A	Z	.45	.45	0	%100
121	M136A	X	-.78	-.78	0	%100
122	M136A	Z	.45	.45	0	%100
123	M139A	X	-3.319	-3.319	0	%100
124	M139A	Z	1.916	1.916	0	%100
125	M140A	X	-1.544	-1.544	0	%100
126	M140A	Z	.891	.891	0	%100
127	M143	X	-2.512	-2.512	0	%100
128	M143	Z	1.45	1.45	0	%100
129	M144	X	-2.513	-2.513	0	%100
130	M144	Z	1.451	1.451	0	%100
131	M147	X	-1.544	-1.544	0	%100
132	M147	Z	.892	.892	0	%100
133	M148	X	-3.318	-3.318	0	%100
134	M148	Z	1.916	1.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-2.189	-2.189	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	-2.189	-2.189	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	-3.764	-3.764	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	-2.831	-2.831	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	-3.933	-3.933	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	-3.179	-3.179	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-3.179	-3.179	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-2.189	-2.189	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	-2.189	-2.189	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	-3.764	-3.764	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-2.831	-2.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	-3.933	-3.933	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	-4.057	-4.057	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	-2.831	-2.831	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-2.831	-2.831	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-3.933	-3.933	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-3.933	-3.933	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-1.014	-1.014	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	-1.014	-1.014	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-3.529	-3.529	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-3.529	-3.529	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-3.529	-3.529	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-3.529	-3.529	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-3.529	-3.529	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-3.529	-3.529	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-3.529	-3.529	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-3.529	-3.529	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-3.529	-3.529	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-3.529	-3.529	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-3.529	-3.529	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-3.529	-3.529	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	-4.315	-4.315	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	-3.687	-3.687	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-3.687	-3.687	0	%100
84	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M102	X	-2.736	-2.736	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	-3.884	-3.884	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	-3.884	-3.884	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-2.071	-2.071	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-3.884	-3.884	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-2.071	-2.071	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	-2.071	-2.071	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	-2.071	-2.071	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-3.884	-3.884	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	-2.883	-2.883	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-2.883	-2.883	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-2.701	-2.701	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-2.701	-2.701	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	-2.777	-2.777	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	-2.776	-2.776	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	-3.894	-3.894	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	-1.846	-1.846	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	-1.845	-1.845	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	-3.894	-3.894	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-2.528	-2.528	0	%100
2	M132	Z	-1.46	-1.46	0	%100
3	M133	X	-2.528	-2.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M133	Z	-1.46	-1.46	0	%100
5	M134	X	-4.347	-4.347	0	%100
6	M134	Z	-2.51	-2.51	0	%100
7	M137	X	-.817	-.817	0	%100
8	M137	Z	-.472	-.472	0	%100
9	M138	X	-.817	-.817	0	%100
10	M138	Z	-.472	-.472	0	%100
11	M145	X	-1.135	-1.135	0	%100
12	M145	Z	-.656	-.656	0	%100
13	M150	X	-1.135	-1.135	0	%100
14	M150	Z	-.656	-.656	0	%100
15	M124	X	-.918	-.918	0	%100
16	M124	Z	-.53	-.53	0	%100
17	M127	X	-.918	-.918	0	%100
18	M127	Z	-.53	-.53	0	%100
19	M175	X	-3.67	-3.67	0	%100
20	M175	Z	-2.119	-2.119	0	%100
21	M177	X	-.632	-.632	0	%100
22	M177	Z	-.365	-.365	0	%100
23	M178	X	-.632	-.632	0	%100
24	M178	Z	-.365	-.365	0	%100
25	M179	X	-1.087	-1.087	0	%100
26	M179	Z	-.627	-.627	0	%100
27	M182	X	-3.269	-3.269	0	%100
28	M182	Z	-1.888	-1.888	0	%100
29	M183	X	-.817	-.817	0	%100
30	M183	Z	-.472	-.472	0	%100
31	M190	X	-4.542	-4.542	0	%100
32	M190	Z	-2.622	-2.622	0	%100
33	M195	X	-1.135	-1.135	0	%100
34	M195	Z	-.656	-.656	0	%100
35	M175A	X	-2.635	-2.635	0	%100
36	M175A	Z	-1.521	-1.521	0	%100
37	M176A	X	-.632	-.632	0	%100
38	M176A	Z	-.365	-.365	0	%100
39	M177A	X	-.632	-.632	0	%100
40	M177A	Z	-.365	-.365	0	%100
41	M178A	X	-1.087	-1.087	0	%100
42	M178A	Z	-.627	-.627	0	%100
43	M181A	X	-.817	-.817	0	%100
44	M181A	Z	-.472	-.472	0	%100
45	M182A	X	-3.269	-3.269	0	%100
46	M182A	Z	-1.888	-1.888	0	%100
47	M189A	X	-1.135	-1.135	0	%100
48	M189A	Z	-.656	-.656	0	%100
49	M194A	X	-4.542	-4.542	0	%100
50	M194A	Z	-2.622	-2.622	0	%100
51	M173	X	-2.635	-2.635	0	%100
52	M173	Z	-1.521	-1.521	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-3.056	-3.056	0	%100
56	MP1A	Z	-1.764	-1.764	0	%100
57	MP2A	X	-3.056	-3.056	0	%100
58	MP2A	Z	-1.764	-1.764	0	%100
59	MP3A	X	-3.056	-3.056	0	%100
60	MP3A	Z	-1.764	-1.764	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	MP4A	X	-3.056	-3.056	0	%100
62	MP4A	Z	-1.764	-1.764	0	%100
63	MP1C	X	-3.056	-3.056	0	%100
64	MP1C	Z	-1.764	-1.764	0	%100
65	MP2C	X	-3.056	-3.056	0	%100
66	MP2C	Z	-1.764	-1.764	0	%100
67	MP3C	X	-3.056	-3.056	0	%100
68	MP3C	Z	-1.764	-1.764	0	%100
69	MP4C	X	-3.056	-3.056	0	%100
70	MP4C	Z	-1.764	-1.764	0	%100
71	MP1B	X	-3.056	-3.056	0	%100
72	MP1B	Z	-1.764	-1.764	0	%100
73	MP2B	X	-3.056	-3.056	0	%100
74	MP2B	Z	-1.764	-1.764	0	%100
75	MP3B	X	-3.056	-3.056	0	%100
76	MP3B	Z	-1.764	-1.764	0	%100
77	MP4B	X	-3.056	-3.056	0	%100
78	MP4B	Z	-1.764	-1.764	0	%100
79	M195B	X	-3.555	-3.555	0	%100
80	M195B	Z	-2.053	-2.053	0	%100
81	M97	X	-3.555	-3.555	0	%100
82	M97	Z	-2.053	-2.053	0	%100
83	M98	X	-3.012	-3.012	0	%100
84	M98	Z	-1.739	-1.739	0	%100
85	M102	X	-2.369	-2.369	0	%100
86	M102	Z	-1.368	-1.368	0	%100
87	M104	X	-.598	-.598	0	%100
88	M104	Z	-.345	-.345	0	%100
89	M105	X	-1.121	-1.121	0	%100
90	M105	Z	-.647	-.647	0	%100
91	M109	X	-.598	-.598	0	%100
92	M109	Z	-.345	-.345	0	%100
93	M110	X	-4.485	-4.485	0	%100
94	M110	Z	-2.59	-2.59	0	%100
95	M94	X	-.598	-.598	0	%100
96	M94	Z	-.345	-.345	0	%100
97	M95	X	-4.485	-4.485	0	%100
98	M95	Z	-2.59	-2.59	0	%100
99	M98A	X	-.598	-.598	0	%100
100	M98A	Z	-.345	-.345	0	%100
101	M99A	X	-1.121	-1.121	0	%100
102	M99A	Z	-.647	-.647	0	%100
103	M102A	X	-2.391	-2.391	0	%100
104	M102A	Z	-1.381	-1.381	0	%100
105	M103A	X	-1.121	-1.121	0	%100
106	M103A	Z	-.647	-.647	0	%100
107	M106A	X	-2.391	-2.391	0	%100
108	M106A	Z	-1.381	-1.381	0	%100
109	M107	X	-1.121	-1.121	0	%100
110	M107	Z	-.647	-.647	0	%100
111	M113A	X	-.832	-.832	0	%100
112	M113A	Z	-.481	-.481	0	%100
113	M118	X	-.832	-.832	0	%100
114	M118	Z	-.481	-.481	0	%100
115	M123	X	-3.329	-3.329	0	%100
116	M123	Z	-1.922	-1.922	0	%100
117	M130	X	-.78	-.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	M130	Z	-.45	-.45	0	%100
119	M133A	X	-3.119	-3.119	0	%100
120	M133A	Z	-1.8	-1.8	0	%100
121	M136A	X	-.78	-.78	0	%100
122	M136A	Z	-.45	-.45	0	%100
123	M139A	X	-1.544	-1.544	0	%100
124	M139A	Z	-.892	-.892	0	%100
125	M140A	X	-3.318	-3.318	0	%100
126	M140A	Z	-1.916	-1.916	0	%100
127	M143	X	-3.319	-3.319	0	%100
128	M143	Z	-1.916	-1.916	0	%100
129	M144	X	-1.544	-1.544	0	%100
130	M144	Z	-.891	-.891	0	%100
131	M147	X	-2.512	-2.512	0	%100
132	M147	Z	-1.45	-1.45	0	%100
133	M148	X	-2.513	-2.513	0	%100
134	M148	Z	-1.451	-1.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-1.095	-1.095	0	%100
2	M132	Z	-1.896	-1.896	0	%100
3	M133	X	-1.095	-1.095	0	%100
4	M133	Z	-1.896	-1.896	0	%100
5	M134	X	-1.882	-1.882	0	%100
6	M134	Z	-3.26	-3.26	0	%100
7	M137	X	-1.416	-1.416	0	%100
8	M137	Z	-2.452	-2.452	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	-1.967	-1.967	0	%100
12	M145	Z	-3.406	-3.406	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	-1.589	-1.589	0	%100
16	M124	Z	-2.753	-2.753	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-1.589	-1.589	0	%100
20	M175	Z	-2.753	-2.753	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-1.416	-1.416	0	%100
28	M182	Z	-2.452	-2.452	0	%100
29	M183	X	-1.416	-1.416	0	%100
30	M183	Z	-2.452	-2.452	0	%100
31	M190	X	-1.967	-1.967	0	%100
32	M190	Z	-3.406	-3.406	0	%100
33	M195	X	-1.967	-1.967	0	%100
34	M195	Z	-3.406	-3.406	0	%100
35	M175A	X	-.507	-.507	0	%100
36	M175A	Z	-.878	-.878	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M176A	X	-1.095	-1.095	0	%100
38	M176A	Z	-1.896	-1.896	0	%100
39	M177A	X	-1.095	-1.095	0	%100
40	M177A	Z	-1.896	-1.896	0	%100
41	M178A	X	-1.882	-1.882	0	%100
42	M178A	Z	-3.26	-3.26	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-1.416	-1.416	0	%100
46	M182A	Z	-2.452	-2.452	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-1.967	-1.967	0	%100
50	M194A	Z	-3.406	-3.406	0	%100
51	M173	X	-2.029	-2.029	0	%100
52	M173	Z	-3.514	-3.514	0	%100
53	M174	X	-.507	-.507	0	%100
54	M174	Z	-.878	-.878	0	%100
55	MP1A	X	-1.764	-1.764	0	%100
56	MP1A	Z	-3.056	-3.056	0	%100
57	MP2A	X	-1.764	-1.764	0	%100
58	MP2A	Z	-3.056	-3.056	0	%100
59	MP3A	X	-1.764	-1.764	0	%100
60	MP3A	Z	-3.056	-3.056	0	%100
61	MP4A	X	-1.764	-1.764	0	%100
62	MP4A	Z	-3.056	-3.056	0	%100
63	MP1C	X	-1.764	-1.764	0	%100
64	MP1C	Z	-3.056	-3.056	0	%100
65	MP2C	X	-1.764	-1.764	0	%100
66	MP2C	Z	-3.056	-3.056	0	%100
67	MP3C	X	-1.764	-1.764	0	%100
68	MP3C	Z	-3.056	-3.056	0	%100
69	MP4C	X	-1.764	-1.764	0	%100
70	MP4C	Z	-3.056	-3.056	0	%100
71	MP1B	X	-1.764	-1.764	0	%100
72	MP1B	Z	-3.056	-3.056	0	%100
73	MP2B	X	-1.764	-1.764	0	%100
74	MP2B	Z	-3.056	-3.056	0	%100
75	MP3B	X	-1.764	-1.764	0	%100
76	MP3B	Z	-3.056	-3.056	0	%100
77	MP4B	X	-1.764	-1.764	0	%100
78	MP4B	Z	-3.056	-3.056	0	%100
79	M195B	X	-1.843	-1.843	0	%100
80	M195B	Z	-3.193	-3.193	0	%100
81	M97	X	-2.157	-2.157	0	%100
82	M97	Z	-3.737	-3.737	0	%100
83	M98	X	-1.843	-1.843	0	%100
84	M98	Z	-3.193	-3.193	0	%100
85	M102	X	-1.368	-1.368	0	%100
86	M102	Z	-2.369	-2.369	0	%100
87	M104	X	-1.036	-1.036	0	%100
88	M104	Z	-1.794	-1.794	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	-1.036	-1.036	0	%100
92	M109	Z	-1.794	-1.794	0	%100
93	M110	X	-1.942	-1.942	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M110	Z	-3.364	-3.364	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-1.942	-1.942	0	%100
98	M95	Z	-3.364	-3.364	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	-1.942	-1.942	0	%100
102	M99A	Z	-3.364	-3.364	0	%100
103	M102A	X	-1.036	-1.036	0	%100
104	M102A	Z	-1.794	-1.794	0	%100
105	M103A	X	-1.942	-1.942	0	%100
106	M103A	Z	-3.364	-3.364	0	%100
107	M106A	X	-1.036	-1.036	0	%100
108	M106A	Z	-1.794	-1.794	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	-1.442	-1.442	0	%100
112	M113A	Z	-2.497	-2.497	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-1.442	-1.442	0	%100
116	M123	Z	-2.497	-2.497	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-1.35	-1.35	0	%100
120	M133A	Z	-2.339	-2.339	0	%100
121	M136A	X	-1.35	-1.35	0	%100
122	M136A	Z	-2.339	-2.339	0	%100
123	M139A	X	-.923	-.923	0	%100
124	M139A	Z	-1.598	-1.598	0	%100
125	M140A	X	-1.947	-1.947	0	%100
126	M140A	Z	-3.372	-3.372	0	%100
127	M143	X	-1.388	-1.388	0	%100
128	M143	Z	-2.405	-2.405	0	%100
129	M144	X	-1.388	-1.388	0	%100
130	M144	Z	-2.404	-2.404	0	%100
131	M147	X	-1.947	-1.947	0	%100
132	M147	Z	-3.372	-3.372	0	%100
133	M148	X	-.923	-.923	0	%100
134	M148	Z	-1.598	-1.598	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	-.135	-.135	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	-.135	-.135	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	-.341	-.341	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	-.756	-.756	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	-.189	-.189	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	-1.461	-1.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M150	X	0	0	0	%100
14	M150	Z	-.365	-.365	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	-.795	-.795	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	-.199	-.199	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	-.199	-.199	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	-.135	-.135	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	-.135	-.135	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	-.341	-.341	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	-.189	-.189	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	-.756	-.756	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	-.365	-.365	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	-1.461	-1.461	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	-.538	-.538	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	-.538	-.538	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	-1.362	-1.362	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	-.189	-.189	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	-.189	-.189	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	-.365	-.365	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	-.365	-.365	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	-.561	-.561	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	-.561	-.561	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-.539	-.539	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-.539	-.539	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-.539	-.539	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-.539	-.539	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-.539	-.539	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-.539	-.539	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-.539	-.539	0	%100
69	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	MP4C	Z	-.539	-.539	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-.539	-.539	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-.539	-.539	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-.539	-.539	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-.539	-.539	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	-.929	-.929	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-.953	-.953	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-.953	-.953	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	-.441	-.441	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	-.568	-.568	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	-.359	-.359	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	-.568	-.568	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	-.359	-.359	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-.142	-.142	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-.359	-.359	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	-.142	-.142	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	-1.438	-1.438	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	-.142	-.142	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	-1.438	-1.438	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	-.142	-.142	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.359	-.359	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	-.653	-.653	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	-.163	-.163	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	-.163	-.163	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	-.202	-.202	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-.202	-.202	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	-.807	-.807	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	-.648	-.648	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	-.648	-.648	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
127	M143	X	0	0	0	%100
128	M143	Z	-.398	-.398	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	-.856	-.856	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	-.856	-.856	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	-.398	-.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	.284	.284	0	%100
8	M137	Z	-.491	-.491	0	%100
9	M138	X	.284	.284	0	%100
10	M138	Z	-.491	-.491	0	%100
11	M145	X	.548	.548	0	%100
12	M145	Z	-.949	-.949	0	%100
13	M150	X	.548	.548	0	%100
14	M150	Z	-.949	-.949	0	%100
15	M124	X	.298	.298	0	%100
16	M124	Z	-.516	-.516	0	%100
17	M127	X	.298	.298	0	%100
18	M127	Z	-.516	-.516	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	.202	.202	0	%100
22	M177	Z	-.35	-.35	0	%100
23	M178	X	.202	.202	0	%100
24	M178	Z	-.35	-.35	0	%100
25	M179	X	.511	.511	0	%100
26	M179	Z	-.885	-.885	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	.284	.284	0	%100
30	M183	Z	-.491	-.491	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	.548	.548	0	%100
34	M195	Z	-.949	-.949	0	%100
35	M175A	X	.093	.093	0	%100
36	M175A	Z	-.162	-.162	0	%100
37	M176A	X	.202	.202	0	%100
38	M176A	Z	-.35	-.35	0	%100
39	M177A	X	.202	.202	0	%100
40	M177A	Z	-.35	-.35	0	%100
41	M178A	X	.511	.511	0	%100
42	M178A	Z	-.885	-.885	0	%100
43	M181A	X	.284	.284	0	%100
44	M181A	Z	-.491	-.491	0	%100
45	M182A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M182A	Z	0	0	0	%100
47	M189A	X	.548	.548	0	%100
48	M189A	Z	-.949	-.949	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	.093	.093	0	%100
52	M173	Z	-.162	-.162	0	%100
53	M174	X	.374	.374	0	%100
54	M174	Z	-.647	-.647	0	%100
55	MP1A	X	.27	.27	0	%100
56	MP1A	Z	-.467	-.467	0	%100
57	MP2A	X	.27	.27	0	%100
58	MP2A	Z	-.467	-.467	0	%100
59	MP3A	X	.27	.27	0	%100
60	MP3A	Z	-.467	-.467	0	%100
61	MP4A	X	.27	.27	0	%100
62	MP4A	Z	-.467	-.467	0	%100
63	MP1C	X	.27	.27	0	%100
64	MP1C	Z	-.467	-.467	0	%100
65	MP2C	X	.27	.27	0	%100
66	MP2C	Z	-.467	-.467	0	%100
67	MP3C	X	.27	.27	0	%100
68	MP3C	Z	-.467	-.467	0	%100
69	MP4C	X	.27	.27	0	%100
70	MP4C	Z	-.467	-.467	0	%100
71	MP1B	X	.27	.27	0	%100
72	MP1B	Z	-.467	-.467	0	%100
73	MP2B	X	.27	.27	0	%100
74	MP2B	Z	-.467	-.467	0	%100
75	MP3B	X	.27	.27	0	%100
76	MP3B	Z	-.467	-.467	0	%100
77	MP4B	X	.27	.27	0	%100
78	MP4B	Z	-.467	-.467	0	%100
79	M195B	X	.469	.469	0	%100
80	M195B	Z	-.812	-.812	0	%100
81	M97	X	.469	.469	0	%100
82	M97	Z	-.812	-.812	0	%100
83	M98	X	.481	.481	0	%100
84	M98	Z	-.833	-.833	0	%100
85	M102	X	.22	.22	0	%100
86	M102	Z	-.382	-.382	0	%100
87	M104	X	.213	.213	0	%100
88	M104	Z	-.369	-.369	0	%100
89	M105	X	.539	.539	0	%100
90	M105	Z	-.934	-.934	0	%100
91	M109	X	.213	.213	0	%100
92	M109	Z	-.369	-.369	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	.213	.213	0	%100
96	M94	Z	-.369	-.369	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	.213	.213	0	%100
100	M98A	Z	-.369	-.369	0	%100
101	M99A	X	.539	.539	0	%100
102	M99A	Z	-.934	-.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	.539	.539	0	%100
106	M103A	Z	-.934	-.934	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	.539	.539	0	%100
110	M107	Z	-.934	-.934	0	%100
111	M113A	X	.245	.245	0	%100
112	M113A	Z	-.424	-.424	0	%100
113	M118	X	.245	.245	0	%100
114	M118	Z	-.424	-.424	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	.303	.303	0	%100
118	M130	Z	-.524	-.524	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	.303	.303	0	%100
122	M136A	Z	-.524	-.524	0	%100
123	M139A	X	.435	.435	0	%100
124	M139A	Z	-.753	-.753	0	%100
125	M140A	X	.206	.206	0	%100
126	M140A	Z	-.357	-.357	0	%100
127	M143	X	.206	.206	0	%100
128	M143	Z	-.357	-.357	0	%100
129	M144	X	.435	.435	0	%100
130	M144	Z	-.753	-.753	0	%100
131	M147	X	.31	.31	0	%100
132	M147	Z	-.537	-.537	0	%100
133	M148	X	.31	.31	0	%100
134	M148	Z	-.537	-.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	.117	.117	0	%100
2	M132	Z	-.067	-.067	0	%100
3	M133	X	.117	.117	0	%100
4	M133	Z	-.067	-.067	0	%100
5	M134	X	.295	.295	0	%100
6	M134	Z	-.17	-.17	0	%100
7	M137	X	.164	.164	0	%100
8	M137	Z	-.095	-.095	0	%100
9	M138	X	.655	.655	0	%100
10	M138	Z	-.378	-.378	0	%100
11	M145	X	.316	.316	0	%100
12	M145	Z	-.183	-.183	0	%100
13	M150	X	1.266	1.266	0	%100
14	M150	Z	-.731	-.731	0	%100
15	M124	X	.172	.172	0	%100
16	M124	Z	-.099	-.099	0	%100
17	M127	X	.688	.688	0	%100
18	M127	Z	-.397	-.397	0	%100
19	M175	X	.172	.172	0	%100
20	M175	Z	-.099	-.099	0	%100
21	M177	X	.466	.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M177	Z	-.269	-.269	0	%100
23	M178	X	.466	.466	0	%100
24	M178	Z	-.269	-.269	0	%100
25	M179	X	1.18	1.18	0	%100
26	M179	Z	-.681	-.681	0	%100
27	M182	X	.164	.164	0	%100
28	M182	Z	-.095	-.095	0	%100
29	M183	X	.164	.164	0	%100
30	M183	Z	-.095	-.095	0	%100
31	M190	X	.316	.316	0	%100
32	M190	Z	-.183	-.183	0	%100
33	M195	X	.316	.316	0	%100
34	M195	Z	-.183	-.183	0	%100
35	M175A	X	.485	.485	0	%100
36	M175A	Z	-.28	-.28	0	%100
37	M176A	X	.117	.117	0	%100
38	M176A	Z	-.067	-.067	0	%100
39	M177A	X	.117	.117	0	%100
40	M177A	Z	-.067	-.067	0	%100
41	M178A	X	.295	.295	0	%100
42	M178A	Z	-.17	-.17	0	%100
43	M181A	X	.655	.655	0	%100
44	M181A	Z	-.378	-.378	0	%100
45	M182A	X	.164	.164	0	%100
46	M182A	Z	-.095	-.095	0	%100
47	M189A	X	1.266	1.266	0	%100
48	M189A	Z	-.731	-.731	0	%100
49	M194A	X	.316	.316	0	%100
50	M194A	Z	-.183	-.183	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	.485	.485	0	%100
54	M174	Z	-.28	-.28	0	%100
55	MP1A	X	.467	.467	0	%100
56	MP1A	Z	-.27	-.27	0	%100
57	MP2A	X	.467	.467	0	%100
58	MP2A	Z	-.27	-.27	0	%100
59	MP3A	X	.467	.467	0	%100
60	MP3A	Z	-.27	-.27	0	%100
61	MP4A	X	.467	.467	0	%100
62	MP4A	Z	-.27	-.27	0	%100
63	MP1C	X	.467	.467	0	%100
64	MP1C	Z	-.27	-.27	0	%100
65	MP2C	X	.467	.467	0	%100
66	MP2C	Z	-.27	-.27	0	%100
67	MP3C	X	.467	.467	0	%100
68	MP3C	Z	-.27	-.27	0	%100
69	MP4C	X	.467	.467	0	%100
70	MP4C	Z	-.27	-.27	0	%100
71	MP1B	X	.467	.467	0	%100
72	MP1B	Z	-.27	-.27	0	%100
73	MP2B	X	.467	.467	0	%100
74	MP2B	Z	-.27	-.27	0	%100
75	MP3B	X	.467	.467	0	%100
76	MP3B	Z	-.27	-.27	0	%100
77	MP4B	X	.467	.467	0	%100
78	MP4B	Z	-.27	-.27	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M195B	X	.826	.826	0	%100
80	M195B	Z	-.477	-.477	0	%100
81	M97	X	.805	.805	0	%100
82	M97	Z	-.465	-.465	0	%100
83	M98	X	.826	.826	0	%100
84	M98	Z	-.477	-.477	0	%100
85	M102	X	.382	.382	0	%100
86	M102	Z	-.22	-.22	0	%100
87	M104	X	.123	.123	0	%100
88	M104	Z	-.071	-.071	0	%100
89	M105	X	1.245	1.245	0	%100
90	M105	Z	-.719	-.719	0	%100
91	M109	X	.123	.123	0	%100
92	M109	Z	-.071	-.071	0	%100
93	M110	X	.311	.311	0	%100
94	M110	Z	-.18	-.18	0	%100
95	M94	X	.492	.492	0	%100
96	M94	Z	-.284	-.284	0	%100
97	M95	X	.311	.311	0	%100
98	M95	Z	-.18	-.18	0	%100
99	M98A	X	.492	.492	0	%100
100	M98A	Z	-.284	-.284	0	%100
101	M99A	X	.311	.311	0	%100
102	M99A	Z	-.18	-.18	0	%100
103	M102A	X	.123	.123	0	%100
104	M102A	Z	-.071	-.071	0	%100
105	M103A	X	.311	.311	0	%100
106	M103A	Z	-.18	-.18	0	%100
107	M106A	X	.123	.123	0	%100
108	M106A	Z	-.071	-.071	0	%100
109	M107	X	1.245	1.245	0	%100
110	M107	Z	-.719	-.719	0	%100
111	M113A	X	.141	.141	0	%100
112	M113A	Z	-.082	-.082	0	%100
113	M118	X	.565	.565	0	%100
114	M118	Z	-.326	-.326	0	%100
115	M123	X	.141	.141	0	%100
116	M123	Z	-.082	-.082	0	%100
117	M130	X	.699	.699	0	%100
118	M130	Z	-.404	-.404	0	%100
119	M133A	X	.175	.175	0	%100
120	M133A	Z	-.101	-.101	0	%100
121	M136A	X	.175	.175	0	%100
122	M136A	Z	-.101	-.101	0	%100
123	M139A	X	.741	.741	0	%100
124	M139A	Z	-.428	-.428	0	%100
125	M140A	X	.345	.345	0	%100
126	M140A	Z	-.199	-.199	0	%100
127	M143	X	.561	.561	0	%100
128	M143	Z	-.324	-.324	0	%100
129	M144	X	.561	.561	0	%100
130	M144	Z	-.324	-.324	0	%100
131	M147	X	.345	.345	0	%100
132	M147	Z	-.199	-.199	0	%100
133	M148	X	.741	.741	0	%100
134	M148	Z	-.428	-.428	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	.404	.404	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	.404	.404	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	1.022	1.022	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	.567	.567	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	1.096	1.096	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	.596	.596	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	.596	.596	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	.404	.404	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	.404	.404	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	1.022	1.022	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	.567	.567	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	1.096	1.096	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	.747	.747	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	.567	.567	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	.567	.567	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	1.096	1.096	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	1.096	1.096	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	.187	.187	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	.187	.187	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	.539	.539	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	.539	.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2A	Z	0	0	0	%100
59	MP3A	X	.539	.539	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	.539	.539	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	.539	.539	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	.539	.539	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	.539	.539	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	.539	.539	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	.539	.539	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	.539	.539	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	.539	.539	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	.539	.539	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	.961	.961	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	.937	.937	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	.937	.937	0	%100
84	M98	Z	0	0	0	%100
85	M102	X	.441	.441	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	1.078	1.078	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	1.078	1.078	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	.426	.426	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	1.078	1.078	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	.426	.426	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	.426	.426	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	.426	.426	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	1.078	1.078	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	.49	.49	0	%100
114	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M123	X	.49	.49	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	.605	.605	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	.605	.605	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	.62	.62	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	.62	.62	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	.869	.869	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	.412	.412	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	.412	.412	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	.87	.87	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	.466	.466	0	%100
2	M132	Z	.269	.269	0	%100
3	M133	X	.466	.466	0	%100
4	M133	Z	.269	.269	0	%100
5	M134	X	1.18	1.18	0	%100
6	M134	Z	.681	.681	0	%100
7	M137	X	.164	.164	0	%100
8	M137	Z	.095	.095	0	%100
9	M138	X	.164	.164	0	%100
10	M138	Z	.095	.095	0	%100
11	M145	X	.316	.316	0	%100
12	M145	Z	.183	.183	0	%100
13	M150	X	.316	.316	0	%100
14	M150	Z	.183	.183	0	%100
15	M124	X	.172	.172	0	%100
16	M124	Z	.099	.099	0	%100
17	M127	X	.172	.172	0	%100
18	M127	Z	.099	.099	0	%100
19	M175	X	.688	.688	0	%100
20	M175	Z	.397	.397	0	%100
21	M177	X	.117	.117	0	%100
22	M177	Z	.067	.067	0	%100
23	M178	X	.117	.117	0	%100
24	M178	Z	.067	.067	0	%100
25	M179	X	.295	.295	0	%100
26	M179	Z	.17	.17	0	%100
27	M182	X	.655	.655	0	%100
28	M182	Z	.378	.378	0	%100
29	M183	X	.164	.164	0	%100
30	M183	Z	.095	.095	0	%100
31	M190	X	1.266	1.266	0	%100
32	M190	Z	.731	.731	0	%100
33	M195	X	.316	.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M195	Z	.183	.183	0	%100
35	M175A	X	.485	.485	0	%100
36	M175A	Z	.28	.28	0	%100
37	M176A	X	.117	.117	0	%100
38	M176A	Z	.067	.067	0	%100
39	M177A	X	.117	.117	0	%100
40	M177A	Z	.067	.067	0	%100
41	M178A	X	.295	.295	0	%100
42	M178A	Z	.17	.17	0	%100
43	M181A	X	.164	.164	0	%100
44	M181A	Z	.095	.095	0	%100
45	M182A	X	.655	.655	0	%100
46	M182A	Z	.378	.378	0	%100
47	M189A	X	.316	.316	0	%100
48	M189A	Z	.183	.183	0	%100
49	M194A	X	1.266	1.266	0	%100
50	M194A	Z	.731	.731	0	%100
51	M173	X	.485	.485	0	%100
52	M173	Z	.28	.28	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	.467	.467	0	%100
56	MP1A	Z	.27	.27	0	%100
57	MP2A	X	.467	.467	0	%100
58	MP2A	Z	.27	.27	0	%100
59	MP3A	X	.467	.467	0	%100
60	MP3A	Z	.27	.27	0	%100
61	MP4A	X	.467	.467	0	%100
62	MP4A	Z	.27	.27	0	%100
63	MP1C	X	.467	.467	0	%100
64	MP1C	Z	.27	.27	0	%100
65	MP2C	X	.467	.467	0	%100
66	MP2C	Z	.27	.27	0	%100
67	MP3C	X	.467	.467	0	%100
68	MP3C	Z	.27	.27	0	%100
69	MP4C	X	.467	.467	0	%100
70	MP4C	Z	.27	.27	0	%100
71	MP1B	X	.467	.467	0	%100
72	MP1B	Z	.27	.27	0	%100
73	MP2B	X	.467	.467	0	%100
74	MP2B	Z	.27	.27	0	%100
75	MP3B	X	.467	.467	0	%100
76	MP3B	Z	.27	.27	0	%100
77	MP4B	X	.467	.467	0	%100
78	MP4B	Z	.27	.27	0	%100
79	M195B	X	.826	.826	0	%100
80	M195B	Z	.477	.477	0	%100
81	M97	X	.826	.826	0	%100
82	M97	Z	.477	.477	0	%100
83	M98	X	.805	.805	0	%100
84	M98	Z	.465	.465	0	%100
85	M102	X	.382	.382	0	%100
86	M102	Z	.22	.22	0	%100
87	M104	X	.123	.123	0	%100
88	M104	Z	.071	.071	0	%100
89	M105	X	.311	.311	0	%100
90	M105	Z	.18	.18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M109	X	.123	.123	0	%100
92	M109	Z	.071	.071	0	%100
93	M110	X	1.245	1.245	0	%100
94	M110	Z	.719	.719	0	%100
95	M94	X	.123	.123	0	%100
96	M94	Z	.071	.071	0	%100
97	M95	X	1.245	1.245	0	%100
98	M95	Z	.719	.719	0	%100
99	M98A	X	.123	.123	0	%100
100	M98A	Z	.071	.071	0	%100
101	M99A	X	.311	.311	0	%100
102	M99A	Z	.18	.18	0	%100
103	M102A	X	.492	.492	0	%100
104	M102A	Z	.284	.284	0	%100
105	M103A	X	.311	.311	0	%100
106	M103A	Z	.18	.18	0	%100
107	M106A	X	.492	.492	0	%100
108	M106A	Z	.284	.284	0	%100
109	M107	X	.311	.311	0	%100
110	M107	Z	.18	.18	0	%100
111	M113A	X	.141	.141	0	%100
112	M113A	Z	.082	.082	0	%100
113	M118	X	.141	.141	0	%100
114	M118	Z	.082	.082	0	%100
115	M123	X	.565	.565	0	%100
116	M123	Z	.326	.326	0	%100
117	M130	X	.175	.175	0	%100
118	M130	Z	.101	.101	0	%100
119	M133A	X	.699	.699	0	%100
120	M133A	Z	.404	.404	0	%100
121	M136A	X	.175	.175	0	%100
122	M136A	Z	.101	.101	0	%100
123	M139A	X	.345	.345	0	%100
124	M139A	Z	.199	.199	0	%100
125	M140A	X	.741	.741	0	%100
126	M140A	Z	.428	.428	0	%100
127	M143	X	.741	.741	0	%100
128	M143	Z	.428	.428	0	%100
129	M144	X	.345	.345	0	%100
130	M144	Z	.199	.199	0	%100
131	M147	X	.561	.561	0	%100
132	M147	Z	.324	.324	0	%100
133	M148	X	.561	.561	0	%100
134	M148	Z	.324	.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	.202	.202	0	%100
2	M132	Z	.35	.35	0	%100
3	M133	X	.202	.202	0	%100
4	M133	Z	.35	.35	0	%100
5	M134	X	.511	.511	0	%100
6	M134	Z	.885	.885	0	%100
7	M137	X	.284	.284	0	%100
8	M137	Z	.491	.491	0	%100
9	M138	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M138	Z	0	0	0	%100
11	M145	X	.548	.548	0	%100
12	M145	Z	.949	.949	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	.298	.298	0	%100
16	M124	Z	.516	.516	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	.298	.298	0	%100
20	M175	Z	.516	.516	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	.284	.284	0	%100
28	M182	Z	.491	.491	0	%100
29	M183	X	.284	.284	0	%100
30	M183	Z	.491	.491	0	%100
31	M190	X	.548	.548	0	%100
32	M190	Z	.949	.949	0	%100
33	M195	X	.548	.548	0	%100
34	M195	Z	.949	.949	0	%100
35	M175A	X	.093	.093	0	%100
36	M175A	Z	.162	.162	0	%100
37	M176A	X	.202	.202	0	%100
38	M176A	Z	.35	.35	0	%100
39	M177A	X	.202	.202	0	%100
40	M177A	Z	.35	.35	0	%100
41	M178A	X	.511	.511	0	%100
42	M178A	Z	.885	.885	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	.284	.284	0	%100
46	M182A	Z	.491	.491	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	.548	.548	0	%100
50	M194A	Z	.949	.949	0	%100
51	M173	X	.374	.374	0	%100
52	M173	Z	.647	.647	0	%100
53	M174	X	.093	.093	0	%100
54	M174	Z	.162	.162	0	%100
55	MP1A	X	.27	.27	0	%100
56	MP1A	Z	.467	.467	0	%100
57	MP2A	X	.27	.27	0	%100
58	MP2A	Z	.467	.467	0	%100
59	MP3A	X	.27	.27	0	%100
60	MP3A	Z	.467	.467	0	%100
61	MP4A	X	.27	.27	0	%100
62	MP4A	Z	.467	.467	0	%100
63	MP1C	X	.27	.27	0	%100
64	MP1C	Z	.467	.467	0	%100
65	MP2C	X	.27	.27	0	%100
66	MP2C	Z	.467	.467	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	MP3C	X	.27	.27	0	%100
68	MP3C	Z	.467	.467	0	%100
69	MP4C	X	.27	.27	0	%100
70	MP4C	Z	.467	.467	0	%100
71	MP1B	X	.27	.27	0	%100
72	MP1B	Z	.467	.467	0	%100
73	MP2B	X	.27	.27	0	%100
74	MP2B	Z	.467	.467	0	%100
75	MP3B	X	.27	.27	0	%100
76	MP3B	Z	.467	.467	0	%100
77	MP4B	X	.27	.27	0	%100
78	MP4B	Z	.467	.467	0	%100
79	M195B	X	.469	.469	0	%100
80	M195B	Z	.812	.812	0	%100
81	M97	X	.481	.481	0	%100
82	M97	Z	.833	.833	0	%100
83	M98	X	.469	.469	0	%100
84	M98	Z	.812	.812	0	%100
85	M102	X	.22	.22	0	%100
86	M102	Z	.382	.382	0	%100
87	M104	X	.213	.213	0	%100
88	M104	Z	.369	.369	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	.213	.213	0	%100
92	M109	Z	.369	.369	0	%100
93	M110	X	.539	.539	0	%100
94	M110	Z	.934	.934	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	.539	.539	0	%100
98	M95	Z	.934	.934	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	.539	.539	0	%100
102	M99A	Z	.934	.934	0	%100
103	M102A	X	.213	.213	0	%100
104	M102A	Z	.369	.369	0	%100
105	M103A	X	.539	.539	0	%100
106	M103A	Z	.934	.934	0	%100
107	M106A	X	.213	.213	0	%100
108	M106A	Z	.369	.369	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	.245	.245	0	%100
112	M113A	Z	.424	.424	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	.245	.245	0	%100
116	M123	Z	.424	.424	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	.303	.303	0	%100
120	M133A	Z	.524	.524	0	%100
121	M136A	X	.303	.303	0	%100
122	M136A	Z	.524	.524	0	%100
123	M139A	X	.206	.206	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	M139A	Z	.357	.357	0	%100
125	M140A	X	.435	.435	0	%100
126	M140A	Z	.753	.753	0	%100
127	M143	X	.31	.31	0	%100
128	M143	Z	.537	.537	0	%100
129	M144	X	.31	.31	0	%100
130	M144	Z	.537	.537	0	%100
131	M147	X	.435	.435	0	%100
132	M147	Z	.753	.753	0	%100
133	M148	X	.206	.206	0	%100
134	M148	Z	.357	.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	.135	.135	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	.135	.135	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	.341	.341	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	.756	.756	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	.189	.189	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	1.461	1.461	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	.365	.365	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	.795	.795	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	.199	.199	0	%100
19	M175	X	0	0	0	%100
20	M175	Z	.199	.199	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	.135	.135	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	.135	.135	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	.341	.341	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	.189	.189	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	.756	.756	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	.365	.365	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	1.461	1.461	0	%100
35	M175A	X	0	0	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	.538	.538	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	.538	.538	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	1.362	1.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M181A	X	0	0	0	%100
44	M181A	Z	.189	.189	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	.189	.189	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	.365	.365	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	.365	.365	0	%100
51	M173	X	0	0	0	%100
52	M173	Z	.561	.561	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	.561	.561	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	.539	.539	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	.539	.539	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	.539	.539	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	.539	.539	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	.539	.539	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	.539	.539	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	.539	.539	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.539	.539	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	.539	.539	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	.539	.539	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	.539	.539	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	.539	.539	0	%100
79	M195B	X	0	0	0	%100
80	M195B	Z	.929	.929	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	.953	.953	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	.953	.953	0	%100
85	M102	X	0	0	0	%100
86	M102	Z	.441	.441	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	.568	.568	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	.359	.359	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	.568	.568	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	.359	.359	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	.142	.142	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	.359	.359	0	%100
99	M98A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M98A	Z	.142	.142	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	1.438	1.438	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	.142	.142	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	1.438	1.438	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	.142	.142	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.359	.359	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	.653	.653	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	.163	.163	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	.163	.163	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	.202	.202	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	.202	.202	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	.807	.807	0	%100
123	M139A	X	0	0	0	%100
124	M139A	Z	.648	.648	0	%100
125	M140A	X	0	0	0	%100
126	M140A	Z	.648	.648	0	%100
127	M143	X	0	0	0	%100
128	M143	Z	.398	.398	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	.856	.856	0	%100
131	M147	X	0	0	0	%100
132	M147	Z	.856	.856	0	%100
133	M148	X	0	0	0	%100
134	M148	Z	.398	.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	0	0	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	0	0	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	0	0	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	-.284	-.284	0	%100
8	M137	Z	.491	.491	0	%100
9	M138	X	-.284	-.284	0	%100
10	M138	Z	.491	.491	0	%100
11	M145	X	-.548	-.548	0	%100
12	M145	Z	.949	.949	0	%100
13	M150	X	-.548	-.548	0	%100
14	M150	Z	.949	.949	0	%100
15	M124	X	-.298	-.298	0	%100
16	M124	Z	.516	.516	0	%100
17	M127	X	-.298	-.298	0	%100
18	M127	Z	.516	.516	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M175	X	0	0	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-.202	-.202	0	%100
22	M177	Z	.35	.35	0	%100
23	M178	X	-.202	-.202	0	%100
24	M178	Z	.35	.35	0	%100
25	M179	X	-.511	-.511	0	%100
26	M179	Z	.885	.885	0	%100
27	M182	X	0	0	0	%100
28	M182	Z	0	0	0	%100
29	M183	X	-.284	-.284	0	%100
30	M183	Z	.491	.491	0	%100
31	M190	X	0	0	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	-.548	-.548	0	%100
34	M195	Z	.949	.949	0	%100
35	M175A	X	-.093	-.093	0	%100
36	M175A	Z	.162	.162	0	%100
37	M176A	X	-.202	-.202	0	%100
38	M176A	Z	.35	.35	0	%100
39	M177A	X	-.202	-.202	0	%100
40	M177A	Z	.35	.35	0	%100
41	M178A	X	-.511	-.511	0	%100
42	M178A	Z	.885	.885	0	%100
43	M181A	X	-.284	-.284	0	%100
44	M181A	Z	.491	.491	0	%100
45	M182A	X	0	0	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-.548	-.548	0	%100
48	M189A	Z	.949	.949	0	%100
49	M194A	X	0	0	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-.093	-.093	0	%100
52	M173	Z	.162	.162	0	%100
53	M174	X	-.374	-.374	0	%100
54	M174	Z	.647	.647	0	%100
55	MP1A	X	-.27	-.27	0	%100
56	MP1A	Z	.467	.467	0	%100
57	MP2A	X	-.27	-.27	0	%100
58	MP2A	Z	.467	.467	0	%100
59	MP3A	X	-.27	-.27	0	%100
60	MP3A	Z	.467	.467	0	%100
61	MP4A	X	-.27	-.27	0	%100
62	MP4A	Z	.467	.467	0	%100
63	MP1C	X	-.27	-.27	0	%100
64	MP1C	Z	.467	.467	0	%100
65	MP2C	X	-.27	-.27	0	%100
66	MP2C	Z	.467	.467	0	%100
67	MP3C	X	-.27	-.27	0	%100
68	MP3C	Z	.467	.467	0	%100
69	MP4C	X	-.27	-.27	0	%100
70	MP4C	Z	.467	.467	0	%100
71	MP1B	X	-.27	-.27	0	%100
72	MP1B	Z	.467	.467	0	%100
73	MP2B	X	-.27	-.27	0	%100
74	MP2B	Z	.467	.467	0	%100
75	MP3B	X	-.27	-.27	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP3B	Z	.467	.467	0	%100
77	MP4B	X	-.27	-.27	0	%100
78	MP4B	Z	.467	.467	0	%100
79	M195B	X	-.469	-.469	0	%100
80	M195B	Z	.812	.812	0	%100
81	M97	X	-.469	-.469	0	%100
82	M97	Z	.812	.812	0	%100
83	M98	X	-.481	-.481	0	%100
84	M98	Z	.833	.833	0	%100
85	M102	X	-.22	-.22	0	%100
86	M102	Z	.382	.382	0	%100
87	M104	X	-.213	-.213	0	%100
88	M104	Z	.369	.369	0	%100
89	M105	X	-.539	-.539	0	%100
90	M105	Z	.934	.934	0	%100
91	M109	X	-.213	-.213	0	%100
92	M109	Z	.369	.369	0	%100
93	M110	X	0	0	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-.213	-.213	0	%100
96	M94	Z	.369	.369	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-.213	-.213	0	%100
100	M98A	Z	.369	.369	0	%100
101	M99A	X	-.539	-.539	0	%100
102	M99A	Z	.934	.934	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	-.539	-.539	0	%100
106	M103A	Z	.934	.934	0	%100
107	M106A	X	0	0	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-.539	-.539	0	%100
110	M107	Z	.934	.934	0	%100
111	M113A	X	-.245	-.245	0	%100
112	M113A	Z	.424	.424	0	%100
113	M118	X	-.245	-.245	0	%100
114	M118	Z	.424	.424	0	%100
115	M123	X	0	0	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-.303	-.303	0	%100
118	M130	Z	.524	.524	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	-.303	-.303	0	%100
122	M136A	Z	.524	.524	0	%100
123	M139A	X	-.435	-.435	0	%100
124	M139A	Z	.753	.753	0	%100
125	M140A	X	-.206	-.206	0	%100
126	M140A	Z	.357	.357	0	%100
127	M143	X	-.206	-.206	0	%100
128	M143	Z	.357	.357	0	%100
129	M144	X	-.435	-.435	0	%100
130	M144	Z	.753	.753	0	%100
131	M147	X	-.31	-.31	0	%100
132	M147	Z	.537	.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	M148	X	-.31	-.31	0	%100
134	M148	Z	.537	.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-.117	-.117	0	%100
2	M132	Z	.067	.067	0	%100
3	M133	X	-.117	-.117	0	%100
4	M133	Z	.067	.067	0	%100
5	M134	X	-.295	-.295	0	%100
6	M134	Z	.17	.17	0	%100
7	M137	X	-.164	-.164	0	%100
8	M137	Z	.095	.095	0	%100
9	M138	X	-.655	-.655	0	%100
10	M138	Z	.378	.378	0	%100
11	M145	X	-.316	-.316	0	%100
12	M145	Z	.183	.183	0	%100
13	M150	X	-1.266	-1.266	0	%100
14	M150	Z	.731	.731	0	%100
15	M124	X	-.172	-.172	0	%100
16	M124	Z	.099	.099	0	%100
17	M127	X	-.688	-.688	0	%100
18	M127	Z	.397	.397	0	%100
19	M175	X	-.172	-.172	0	%100
20	M175	Z	.099	.099	0	%100
21	M177	X	-.466	-.466	0	%100
22	M177	Z	.269	.269	0	%100
23	M178	X	-.466	-.466	0	%100
24	M178	Z	.269	.269	0	%100
25	M179	X	-1.18	-1.18	0	%100
26	M179	Z	.681	.681	0	%100
27	M182	X	-.164	-.164	0	%100
28	M182	Z	.095	.095	0	%100
29	M183	X	-.164	-.164	0	%100
30	M183	Z	.095	.095	0	%100
31	M190	X	-.316	-.316	0	%100
32	M190	Z	.183	.183	0	%100
33	M195	X	-.316	-.316	0	%100
34	M195	Z	.183	.183	0	%100
35	M175A	X	-.485	-.485	0	%100
36	M175A	Z	.28	.28	0	%100
37	M176A	X	-.117	-.117	0	%100
38	M176A	Z	.067	.067	0	%100
39	M177A	X	-.117	-.117	0	%100
40	M177A	Z	.067	.067	0	%100
41	M178A	X	-.295	-.295	0	%100
42	M178A	Z	.17	.17	0	%100
43	M181A	X	-.655	-.655	0	%100
44	M181A	Z	.378	.378	0	%100
45	M182A	X	-.164	-.164	0	%100
46	M182A	Z	.095	.095	0	%100
47	M189A	X	-1.266	-1.266	0	%100
48	M189A	Z	.731	.731	0	%100
49	M194A	X	-.316	-.316	0	%100
50	M194A	Z	.183	.183	0	%100
51	M173	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M173	Z	0	0	0	%100
53	M174	X	-.485	-.485	0	%100
54	M174	Z	.28	.28	0	%100
55	MP1A	X	-.467	-.467	0	%100
56	MP1A	Z	.27	.27	0	%100
57	MP2A	X	-.467	-.467	0	%100
58	MP2A	Z	.27	.27	0	%100
59	MP3A	X	-.467	-.467	0	%100
60	MP3A	Z	.27	.27	0	%100
61	MP4A	X	-.467	-.467	0	%100
62	MP4A	Z	.27	.27	0	%100
63	MP1C	X	-.467	-.467	0	%100
64	MP1C	Z	.27	.27	0	%100
65	MP2C	X	-.467	-.467	0	%100
66	MP2C	Z	.27	.27	0	%100
67	MP3C	X	-.467	-.467	0	%100
68	MP3C	Z	.27	.27	0	%100
69	MP4C	X	-.467	-.467	0	%100
70	MP4C	Z	.27	.27	0	%100
71	MP1B	X	-.467	-.467	0	%100
72	MP1B	Z	.27	.27	0	%100
73	MP2B	X	-.467	-.467	0	%100
74	MP2B	Z	.27	.27	0	%100
75	MP3B	X	-.467	-.467	0	%100
76	MP3B	Z	.27	.27	0	%100
77	MP4B	X	-.467	-.467	0	%100
78	MP4B	Z	.27	.27	0	%100
79	M195B	X	-.826	-.826	0	%100
80	M195B	Z	.477	.477	0	%100
81	M97	X	-.805	-.805	0	%100
82	M97	Z	.465	.465	0	%100
83	M98	X	-.826	-.826	0	%100
84	M98	Z	.477	.477	0	%100
85	M102	X	-.382	-.382	0	%100
86	M102	Z	.22	.22	0	%100
87	M104	X	-.123	-.123	0	%100
88	M104	Z	.071	.071	0	%100
89	M105	X	-1.245	-1.245	0	%100
90	M105	Z	.719	.719	0	%100
91	M109	X	-.123	-.123	0	%100
92	M109	Z	.071	.071	0	%100
93	M110	X	-.311	-.311	0	%100
94	M110	Z	.18	.18	0	%100
95	M94	X	-.492	-.492	0	%100
96	M94	Z	.284	.284	0	%100
97	M95	X	-.311	-.311	0	%100
98	M95	Z	.18	.18	0	%100
99	M98A	X	-.492	-.492	0	%100
100	M98A	Z	.284	.284	0	%100
101	M99A	X	-.311	-.311	0	%100
102	M99A	Z	.18	.18	0	%100
103	M102A	X	-.123	-.123	0	%100
104	M102A	Z	.071	.071	0	%100
105	M103A	X	-.311	-.311	0	%100
106	M103A	Z	.18	.18	0	%100
107	M106A	X	-.123	-.123	0	%100
108	M106A	Z	.071	.071	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	-1.245	-1.245	0	%100
110	M107	Z	.719	.719	0	%100
111	M113A	X	-.141	-.141	0	%100
112	M113A	Z	.082	.082	0	%100
113	M118	X	-.565	-.565	0	%100
114	M118	Z	.326	.326	0	%100
115	M123	X	-.141	-.141	0	%100
116	M123	Z	.082	.082	0	%100
117	M130	X	-.699	-.699	0	%100
118	M130	Z	.404	.404	0	%100
119	M133A	X	-.175	-.175	0	%100
120	M133A	Z	.101	.101	0	%100
121	M136A	X	-.175	-.175	0	%100
122	M136A	Z	.101	.101	0	%100
123	M139A	X	-.741	-.741	0	%100
124	M139A	Z	.428	.428	0	%100
125	M140A	X	-.345	-.345	0	%100
126	M140A	Z	.199	.199	0	%100
127	M143	X	-.561	-.561	0	%100
128	M143	Z	.324	.324	0	%100
129	M144	X	-.561	-.561	0	%100
130	M144	Z	.324	.324	0	%100
131	M147	X	-.345	-.345	0	%100
132	M147	Z	.199	.199	0	%100
133	M148	X	-.741	-.741	0	%100
134	M148	Z	.428	.428	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-.404	-.404	0	%100
2	M132	Z	0	0	0	%100
3	M133	X	-.404	-.404	0	%100
4	M133	Z	0	0	0	%100
5	M134	X	-1.022	-1.022	0	%100
6	M134	Z	0	0	0	%100
7	M137	X	0	0	0	%100
8	M137	Z	0	0	0	%100
9	M138	X	-.567	-.567	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	0	0	0	%100
12	M145	Z	0	0	0	%100
13	M150	X	-1.096	-1.096	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	0	0	0	%100
16	M124	Z	0	0	0	%100
17	M127	X	-.596	-.596	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-.596	-.596	0	%100
20	M175	Z	0	0	0	%100
21	M177	X	-.404	-.404	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	-.404	-.404	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	-1.022	-1.022	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-.567	-.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M182	Z	0	0	0	%100
29	M183	X	0	0	0	%100
30	M183	Z	0	0	0	%100
31	M190	X	-1.096	-1.096	0	%100
32	M190	Z	0	0	0	%100
33	M195	X	0	0	0	%100
34	M195	Z	0	0	0	%100
35	M175A	X	-.747	-.747	0	%100
36	M175A	Z	0	0	0	%100
37	M176A	X	0	0	0	%100
38	M176A	Z	0	0	0	%100
39	M177A	X	0	0	0	%100
40	M177A	Z	0	0	0	%100
41	M178A	X	0	0	0	%100
42	M178A	Z	0	0	0	%100
43	M181A	X	-.567	-.567	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-.567	-.567	0	%100
46	M182A	Z	0	0	0	%100
47	M189A	X	-1.096	-1.096	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-1.096	-1.096	0	%100
50	M194A	Z	0	0	0	%100
51	M173	X	-.187	-.187	0	%100
52	M173	Z	0	0	0	%100
53	M174	X	-.187	-.187	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-.539	-.539	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-.539	-.539	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-.539	-.539	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-.539	-.539	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-.539	-.539	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-.539	-.539	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-.539	-.539	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-.539	-.539	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-.539	-.539	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-.539	-.539	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-.539	-.539	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-.539	-.539	0	%100
78	MP4B	Z	0	0	0	%100
79	M195B	X	-.961	-.961	0	%100
80	M195B	Z	0	0	0	%100
81	M97	X	-.937	-.937	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-.937	-.937	0	%100
84	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M102	X	-.441	-.441	0	%100
86	M102	Z	0	0	0	%100
87	M104	X	0	0	0	%100
88	M104	Z	0	0	0	%100
89	M105	X	-1.078	-1.078	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	0	0	0	%100
92	M109	Z	0	0	0	%100
93	M110	X	-1.078	-1.078	0	%100
94	M110	Z	0	0	0	%100
95	M94	X	-.426	-.426	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-1.078	-1.078	0	%100
98	M95	Z	0	0	0	%100
99	M98A	X	-.426	-.426	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	0	0	0	%100
102	M99A	Z	0	0	0	%100
103	M102A	X	-.426	-.426	0	%100
104	M102A	Z	0	0	0	%100
105	M103A	X	0	0	0	%100
106	M103A	Z	0	0	0	%100
107	M106A	X	-.426	-.426	0	%100
108	M106A	Z	0	0	0	%100
109	M107	X	-1.078	-1.078	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	0	0	0	%100
112	M113A	Z	0	0	0	%100
113	M118	X	-.49	-.49	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-.49	-.49	0	%100
116	M123	Z	0	0	0	%100
117	M130	X	-.605	-.605	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-.605	-.605	0	%100
120	M133A	Z	0	0	0	%100
121	M136A	X	0	0	0	%100
122	M136A	Z	0	0	0	%100
123	M139A	X	-.62	-.62	0	%100
124	M139A	Z	0	0	0	%100
125	M140A	X	-.62	-.62	0	%100
126	M140A	Z	0	0	0	%100
127	M143	X	-.869	-.869	0	%100
128	M143	Z	0	0	0	%100
129	M144	X	-.412	-.412	0	%100
130	M144	Z	0	0	0	%100
131	M147	X	-.412	-.412	0	%100
132	M147	Z	0	0	0	%100
133	M148	X	-.87	-.87	0	%100
134	M148	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-.466	-.466	0	%100
2	M132	Z	-.269	-.269	0	%100
3	M133	X	-.466	-.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M133	Z	-.269	-.269	0	%100
5	M134	X	-1.18	-1.18	0	%100
6	M134	Z	-.681	-.681	0	%100
7	M137	X	-.164	-.164	0	%100
8	M137	Z	-.095	-.095	0	%100
9	M138	X	-.164	-.164	0	%100
10	M138	Z	-.095	-.095	0	%100
11	M145	X	-.316	-.316	0	%100
12	M145	Z	-.183	-.183	0	%100
13	M150	X	-.316	-.316	0	%100
14	M150	Z	-.183	-.183	0	%100
15	M124	X	-.172	-.172	0	%100
16	M124	Z	-.099	-.099	0	%100
17	M127	X	-.172	-.172	0	%100
18	M127	Z	-.099	-.099	0	%100
19	M175	X	-.688	-.688	0	%100
20	M175	Z	-.397	-.397	0	%100
21	M177	X	-.117	-.117	0	%100
22	M177	Z	-.067	-.067	0	%100
23	M178	X	-.117	-.117	0	%100
24	M178	Z	-.067	-.067	0	%100
25	M179	X	-.295	-.295	0	%100
26	M179	Z	-.17	-.17	0	%100
27	M182	X	-.655	-.655	0	%100
28	M182	Z	-.378	-.378	0	%100
29	M183	X	-.164	-.164	0	%100
30	M183	Z	-.095	-.095	0	%100
31	M190	X	-1.266	-1.266	0	%100
32	M190	Z	-.731	-.731	0	%100
33	M195	X	-.316	-.316	0	%100
34	M195	Z	-.183	-.183	0	%100
35	M175A	X	-.485	-.485	0	%100
36	M175A	Z	-.28	-.28	0	%100
37	M176A	X	-.117	-.117	0	%100
38	M176A	Z	-.067	-.067	0	%100
39	M177A	X	-.117	-.117	0	%100
40	M177A	Z	-.067	-.067	0	%100
41	M178A	X	-.295	-.295	0	%100
42	M178A	Z	-.17	-.17	0	%100
43	M181A	X	-.164	-.164	0	%100
44	M181A	Z	-.095	-.095	0	%100
45	M182A	X	-.655	-.655	0	%100
46	M182A	Z	-.378	-.378	0	%100
47	M189A	X	-.316	-.316	0	%100
48	M189A	Z	-.183	-.183	0	%100
49	M194A	X	-1.266	-1.266	0	%100
50	M194A	Z	-.731	-.731	0	%100
51	M173	X	-.485	-.485	0	%100
52	M173	Z	-.28	-.28	0	%100
53	M174	X	0	0	0	%100
54	M174	Z	0	0	0	%100
55	MP1A	X	-.467	-.467	0	%100
56	MP1A	Z	-.27	-.27	0	%100
57	MP2A	X	-.467	-.467	0	%100
58	MP2A	Z	-.27	-.27	0	%100
59	MP3A	X	-.467	-.467	0	%100
60	MP3A	Z	-.27	-.27	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	MP4A	X	-.467	-.467	0	%100
62	MP4A	Z	-.27	-.27	0	%100
63	MP1C	X	-.467	-.467	0	%100
64	MP1C	Z	-.27	-.27	0	%100
65	MP2C	X	-.467	-.467	0	%100
66	MP2C	Z	-.27	-.27	0	%100
67	MP3C	X	-.467	-.467	0	%100
68	MP3C	Z	-.27	-.27	0	%100
69	MP4C	X	-.467	-.467	0	%100
70	MP4C	Z	-.27	-.27	0	%100
71	MP1B	X	-.467	-.467	0	%100
72	MP1B	Z	-.27	-.27	0	%100
73	MP2B	X	-.467	-.467	0	%100
74	MP2B	Z	-.27	-.27	0	%100
75	MP3B	X	-.467	-.467	0	%100
76	MP3B	Z	-.27	-.27	0	%100
77	MP4B	X	-.467	-.467	0	%100
78	MP4B	Z	-.27	-.27	0	%100
79	M195B	X	-.826	-.826	0	%100
80	M195B	Z	-.477	-.477	0	%100
81	M97	X	-.826	-.826	0	%100
82	M97	Z	-.477	-.477	0	%100
83	M98	X	-.805	-.805	0	%100
84	M98	Z	-.465	-.465	0	%100
85	M102	X	-.382	-.382	0	%100
86	M102	Z	-.22	-.22	0	%100
87	M104	X	-.123	-.123	0	%100
88	M104	Z	-.071	-.071	0	%100
89	M105	X	-.311	-.311	0	%100
90	M105	Z	-.18	-.18	0	%100
91	M109	X	-.123	-.123	0	%100
92	M109	Z	-.071	-.071	0	%100
93	M110	X	-1.245	-1.245	0	%100
94	M110	Z	-.719	-.719	0	%100
95	M94	X	-.123	-.123	0	%100
96	M94	Z	-.071	-.071	0	%100
97	M95	X	-1.245	-1.245	0	%100
98	M95	Z	-.719	-.719	0	%100
99	M98A	X	-.123	-.123	0	%100
100	M98A	Z	-.071	-.071	0	%100
101	M99A	X	-.311	-.311	0	%100
102	M99A	Z	-.18	-.18	0	%100
103	M102A	X	-.492	-.492	0	%100
104	M102A	Z	-.284	-.284	0	%100
105	M103A	X	-.311	-.311	0	%100
106	M103A	Z	-.18	-.18	0	%100
107	M106A	X	-.492	-.492	0	%100
108	M106A	Z	-.284	-.284	0	%100
109	M107	X	-.311	-.311	0	%100
110	M107	Z	-.18	-.18	0	%100
111	M113A	X	-.141	-.141	0	%100
112	M113A	Z	-.082	-.082	0	%100
113	M118	X	-.141	-.141	0	%100
114	M118	Z	-.082	-.082	0	%100
115	M123	X	-.565	-.565	0	%100
116	M123	Z	-.326	-.326	0	%100
117	M130	X	-.175	-.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	M130	Z	-.101	-.101	0	%100
119	M133A	X	-.699	-.699	0	%100
120	M133A	Z	-.404	-.404	0	%100
121	M136A	X	-.175	-.175	0	%100
122	M136A	Z	-.101	-.101	0	%100
123	M139A	X	-.345	-.345	0	%100
124	M139A	Z	-.199	-.199	0	%100
125	M140A	X	-.741	-.741	0	%100
126	M140A	Z	-.428	-.428	0	%100
127	M143	X	-.741	-.741	0	%100
128	M143	Z	-.428	-.428	0	%100
129	M144	X	-.345	-.345	0	%100
130	M144	Z	-.199	-.199	0	%100
131	M147	X	-.561	-.561	0	%100
132	M147	Z	-.324	-.324	0	%100
133	M148	X	-.561	-.561	0	%100
134	M148	Z	-.324	-.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M132	X	-.202	-.202	0	%100
2	M132	Z	-.35	-.35	0	%100
3	M133	X	-.202	-.202	0	%100
4	M133	Z	-.35	-.35	0	%100
5	M134	X	-.511	-.511	0	%100
6	M134	Z	-.885	-.885	0	%100
7	M137	X	-.284	-.284	0	%100
8	M137	Z	-.491	-.491	0	%100
9	M138	X	0	0	0	%100
10	M138	Z	0	0	0	%100
11	M145	X	-.548	-.548	0	%100
12	M145	Z	-.949	-.949	0	%100
13	M150	X	0	0	0	%100
14	M150	Z	0	0	0	%100
15	M124	X	-.298	-.298	0	%100
16	M124	Z	-.516	-.516	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	0	0	0	%100
19	M175	X	-.298	-.298	0	%100
20	M175	Z	-.516	-.516	0	%100
21	M177	X	0	0	0	%100
22	M177	Z	0	0	0	%100
23	M178	X	0	0	0	%100
24	M178	Z	0	0	0	%100
25	M179	X	0	0	0	%100
26	M179	Z	0	0	0	%100
27	M182	X	-.284	-.284	0	%100
28	M182	Z	-.491	-.491	0	%100
29	M183	X	-.284	-.284	0	%100
30	M183	Z	-.491	-.491	0	%100
31	M190	X	-.548	-.548	0	%100
32	M190	Z	-.949	-.949	0	%100
33	M195	X	-.548	-.548	0	%100
34	M195	Z	-.949	-.949	0	%100
35	M175A	X	-.093	-.093	0	%100
36	M175A	Z	-.162	-.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M176A	X	-.202	-.202	0	%100
38	M176A	Z	-.35	-.35	0	%100
39	M177A	X	-.202	-.202	0	%100
40	M177A	Z	-.35	-.35	0	%100
41	M178A	X	-.511	-.511	0	%100
42	M178A	Z	-.885	-.885	0	%100
43	M181A	X	0	0	0	%100
44	M181A	Z	0	0	0	%100
45	M182A	X	-.284	-.284	0	%100
46	M182A	Z	-.491	-.491	0	%100
47	M189A	X	0	0	0	%100
48	M189A	Z	0	0	0	%100
49	M194A	X	-.548	-.548	0	%100
50	M194A	Z	-.949	-.949	0	%100
51	M173	X	-.374	-.374	0	%100
52	M173	Z	-.647	-.647	0	%100
53	M174	X	-.093	-.093	0	%100
54	M174	Z	-.162	-.162	0	%100
55	MP1A	X	-.27	-.27	0	%100
56	MP1A	Z	-.467	-.467	0	%100
57	MP2A	X	-.27	-.27	0	%100
58	MP2A	Z	-.467	-.467	0	%100
59	MP3A	X	-.27	-.27	0	%100
60	MP3A	Z	-.467	-.467	0	%100
61	MP4A	X	-.27	-.27	0	%100
62	MP4A	Z	-.467	-.467	0	%100
63	MP1C	X	-.27	-.27	0	%100
64	MP1C	Z	-.467	-.467	0	%100
65	MP2C	X	-.27	-.27	0	%100
66	MP2C	Z	-.467	-.467	0	%100
67	MP3C	X	-.27	-.27	0	%100
68	MP3C	Z	-.467	-.467	0	%100
69	MP4C	X	-.27	-.27	0	%100
70	MP4C	Z	-.467	-.467	0	%100
71	MP1B	X	-.27	-.27	0	%100
72	MP1B	Z	-.467	-.467	0	%100
73	MP2B	X	-.27	-.27	0	%100
74	MP2B	Z	-.467	-.467	0	%100
75	MP3B	X	-.27	-.27	0	%100
76	MP3B	Z	-.467	-.467	0	%100
77	MP4B	X	-.27	-.27	0	%100
78	MP4B	Z	-.467	-.467	0	%100
79	M195B	X	-.469	-.469	0	%100
80	M195B	Z	-.812	-.812	0	%100
81	M97	X	-.481	-.481	0	%100
82	M97	Z	-.833	-.833	0	%100
83	M98	X	-.469	-.469	0	%100
84	M98	Z	-.812	-.812	0	%100
85	M102	X	-.22	-.22	0	%100
86	M102	Z	-.382	-.382	0	%100
87	M104	X	-.213	-.213	0	%100
88	M104	Z	-.369	-.369	0	%100
89	M105	X	0	0	0	%100
90	M105	Z	0	0	0	%100
91	M109	X	-.213	-.213	0	%100
92	M109	Z	-.369	-.369	0	%100
93	M110	X	-.539	-.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M110	Z	-.934	-.934	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-.539	-.539	0	%100
98	M95	Z	-.934	-.934	0	%100
99	M98A	X	0	0	0	%100
100	M98A	Z	0	0	0	%100
101	M99A	X	-.539	-.539	0	%100
102	M99A	Z	-.934	-.934	0	%100
103	M102A	X	-.213	-.213	0	%100
104	M102A	Z	-.369	-.369	0	%100
105	M103A	X	-.539	-.539	0	%100
106	M103A	Z	-.934	-.934	0	%100
107	M106A	X	-.213	-.213	0	%100
108	M106A	Z	-.369	-.369	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M113A	X	-.245	-.245	0	%100
112	M113A	Z	-.424	-.424	0	%100
113	M118	X	0	0	0	%100
114	M118	Z	0	0	0	%100
115	M123	X	-.245	-.245	0	%100
116	M123	Z	-.424	-.424	0	%100
117	M130	X	0	0	0	%100
118	M130	Z	0	0	0	%100
119	M133A	X	-.303	-.303	0	%100
120	M133A	Z	-.524	-.524	0	%100
121	M136A	X	-.303	-.303	0	%100
122	M136A	Z	-.524	-.524	0	%100
123	M139A	X	-.206	-.206	0	%100
124	M139A	Z	-.357	-.357	0	%100
125	M140A	X	-.435	-.435	0	%100
126	M140A	Z	-.753	-.753	0	%100
127	M143	X	-.31	-.31	0	%100
128	M143	Z	-.537	-.537	0	%100
129	M144	X	-.31	-.31	0	%100
130	M144	Z	-.537	-.537	0	%100
131	M147	X	-.435	-.435	0	%100
132	M147	Z	-.753	-.753	0	%100
133	M148	X	-.206	-.206	0	%100
134	M148	Z	-.357	-.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M182	Y	-1.597	-4.066	0	.832
2	M182	Y	-4.066	-6.636	.832	1.665
3	M182	Y	-6.636	-7.874	1.665	2.497
4	M182	Y	-7.874	-6.293	2.497	3.329
5	M182	Y	-6.293	-3.33	3.329	4.162
6	M183	Y	-3.329	-6.32	0	.832
7	M183	Y	-6.32	-7.943	.832	1.665
8	M183	Y	-7.943	-6.773	1.665	2.497
9	M183	Y	-6.773	-4.256	2.497	3.329
10	M183	Y	-4.256	-1.812	3.329	4.162
11	M181A	Y	-1.808	-4.259	0	.832
12	M181A	Y	-4.259	-6.771	.832	1.665

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M181A	Y	-6.771	-7.938	1.665	2.497
14	M181A	Y	-7.938	-6.325	2.497	3.329
15	M181A	Y	-6.325	-3.336	3.329	4.162
16	M182A	Y	-3.33	-6.292	0	.832
17	M182A	Y	-6.292	-7.874	.832	1.665
18	M182A	Y	-7.874	-6.635	1.665	2.497
19	M182A	Y	-6.635	-4.064	2.497	3.329
20	M182A	Y	-4.064	-1.601	3.329	4.162
21	M137	Y	-1.808	-4.259	0	.832
22	M137	Y	-4.259	-6.771	.832	1.665
23	M137	Y	-6.771	-7.938	1.665	2.497
24	M137	Y	-7.938	-6.325	2.497	3.329
25	M137	Y	-6.325	-3.336	3.329	4.162
26	M138	Y	-3.33	-6.292	0	.832
27	M138	Y	-6.292	-7.874	.832	1.665
28	M138	Y	-7.874	-6.635	1.665	2.497
29	M138	Y	-6.635	-4.064	2.497	3.329
30	M138	Y	-4.064	-1.601	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M182	Y	-4.792	-12.197	0	.832
2	M182	Y	-12.197	-19.909	.832	1.665
3	M182	Y	-19.909	-23.621	1.665	2.497
4	M182	Y	-23.621	-18.879	2.497	3.329
5	M182	Y	-18.879	-9.99	3.329	4.162
6	M183	Y	-9.986	-18.961	0	.832
7	M183	Y	-18.961	-23.828	.832	1.665
8	M183	Y	-23.828	-20.32	1.665	2.497
9	M183	Y	-20.32	-12.768	2.497	3.329
10	M183	Y	-12.768	-5.436	3.329	4.162
11	M181A	Y	-5.425	-12.777	0	.832
12	M181A	Y	-12.777	-20.312	.832	1.665
13	M181A	Y	-20.312	-23.814	1.665	2.497
14	M181A	Y	-23.814	-18.974	2.497	3.329
15	M181A	Y	-18.974	-10.008	3.329	4.162
16	M182A	Y	-9.989	-18.876	0	.832
17	M182A	Y	-18.876	-23.623	.832	1.665
18	M182A	Y	-23.623	-19.906	1.665	2.497
19	M182A	Y	-19.906	-12.191	2.497	3.329
20	M182A	Y	-12.191	-4.804	3.329	4.162
21	M137	Y	-5.425	-12.777	0	.832
22	M137	Y	-12.777	-20.312	.832	1.665
23	M137	Y	-20.312	-23.814	1.665	2.497
24	M137	Y	-23.814	-18.974	2.497	3.329
25	M137	Y	-18.974	-10.008	3.329	4.162
26	M138	Y	-9.989	-18.876	0	.832
27	M138	Y	-18.876	-23.623	.832	1.665
28	M138	Y	-23.623	-19.906	1.665	2.497
29	M138	Y	-19.906	-12.191	2.497	3.329
30	M138	Y	-12.191	-4.804	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N268	N266	N246	N247	Y	Two Way	-.005
2	N263A	N261A	N240A	N241A	Y	Two Way	-.005
3	N211	N209	N188	N189	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N268	N266	N246	N247	Y	Two Way	-.015
2	N263A	N261A	N240A	N241A	Y	Two Way	-.015
3	N211	N209	N188	N189	Y	Two Way	-.015

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

	Member	Shape	Code Check	L...	LC	Shear C...	Loc.....	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
1	M132	C3X3.5	.370	2....	19	.076	.223	z	11	26803...	35316	.788	3.348	...	H1-1b
2	M133	C3X3.5	.402	2....	4	.106	2.1...	z	10	26803...	35316	.788	3.348	...	H1-1b
3	M134	PL3/8x6	.417	.5...	10	.184	.516	y	17	36639...	72900	.57	9.113	...	H1-1b
4	M137	L2x2x3	.233	4....	6	.019	4.1...	y	20	9823....	23392...	.558	1.084	...	H2-1
5	M138	L2x2x3	.268	0	4	.016	0	y	15	9823....	23392...	.558	1.085	...	H2-1
6	M145	PL3/8x6	.101	.1...	18	.048	.112	y	1	72311...	72900	.57	9.113	...	H1-1b
7	M150	PL3/8x6	.122	0	10	.086	0	y	15	72311...	72900	.57	9.113	...	H1-1b
8	M124	PIPE_3.0	.077	5....	6	.100	9.7...		20	18812...	65205	5.749	5.749	...	H1-1b
9	M127	PIPE_3.0	.085	9....	4	.090	9.7...		17	18812...	65205	5.749	5.749	...	H1-1b
10	M175	PIPE_3.0	.074	5....	10	.088	9.7...		13	18812...	65205	5.749	5.749	...	H1-1b
11	M177	C3X3.5	.286	2....	23	.085	.223	z	3	26803...	35316	.788	3.348	...	H1-1b
12	M178	C3X3.5	.304	2....	2	.103	2.1...	z	3	26803...	35316	.788	3.348	...	H1-1b
13	M179	PL3/8x6	.351	.5...	2	.141	.516	y	21	36639...	72900	.57	9.113	...	H1-1b
14	M182	L2x2x3	.195	4....	10	.017	4.1...	y	24	9823....	23392...	.558	1.085	...	H2-1
15	M183	L2x2x3	.215	0	8	.015	0	y	19	9823....	23392...	.558	1.084	...	H2-1
16	M190	PL3/8x6	.086	0	10	.041	.112	y	40	72311...	72900	.57	9.113	...	H1-1b
17	M195	PL3/8x6	.102	0	2	.056	0	y	49	72311...	72900	.57	9.113	...	H1-1b
18	M175A	PIPE_3.0	.429	0	4	.119	2.6...		46	52530...	65205	5.749	5.749	...	H1-1b
19	M176A	C3X3.5	.325	2....	15	.087	.223	z	7	26803...	35316	.788	3.348	...	H1-1b
20	M177A	C3X3.5	.374	2....	5	.095	2.1...	z	6	26803...	35316	.788	3.348	...	H1-1b
21	M178A	PL3/8x6	.395	.5...	6	.249	.516	y	37	36639...	72900	.57	9.113	...	H1-1b
22	M181A	L2x2x3	.209	4....	2	.019	4.1...	y	16	9823....	23392...	.558	1.084	...	H2-1
23	M182A	L2x2x3	.245	0	12	.013	0	y	23	9823....	23392...	.558	1.085	...	H2-1
24	M189A	PL3/8x6	.096	.1...	14	.108	.112	y	44	72311...	72900	.57	9.113	...	H1-1b
25	M194A	PL3/8x6	.115	0	6	.234	0	y	47	72311...	72900	.57	9.113	...	H1-1b
26	M173	PIPE_3.0	.346	0	6	.094	2.1...		6	52530...	65205	5.749	5.749	...	H1-1b
27	M174	PIPE_3.0	.525	0	2	.122	0		2	52530...	65205	5.749	5.749	...	H1-1b
28	MP1A	PIPE_2.0	.227	2....	23	.104	2.9...		22	17855...	32130	1.872	1.872	...	H1-1b
29	MP2A	PIPE_2.0	.288	2....	1	.113	2.9...		5	17855...	32130	1.872	1.872	...	H1-1b
30	MP3A	PIPE_2.0	.149	2....	18	.087	2.9...		18	17855...	32130	1.872	1.872	...	H1-1b
31	MP4A	PIPE_2.0	.262	2....	14	.102	1.4...		16	17855...	32130	1.872	1.872	...	H1-1b
32	MP1C	PIPE_2.0	.251	2....	20	.101	2.9...		18	17855...	32130	1.872	1.872	...	H1-1b
33	MP2C	PIPE_2.0	.161	2....	16	.069	1.5...		18	17855...	32130	1.872	1.872	...	H1-1b
34	MP3C	PIPE_2.0	.287	2....	9	.117	.948		1	17855...	32130	1.872	1.872	...	H1-1b
35	MP4C	PIPE_2.0	.279	2....	22	.112	1.4...		23	17855...	32130	1.872	1.872	...	H1-1b
36	MP1B	PIPE_2.0	.221	2....	16	.095	2.9...		14	17855...	32130	1.872	1.872	...	H1-1b
37	MP2B	PIPE_2.0	.163	2....	23	.069	2.9...		23	17855...	32130	1.872	1.872	...	H1-1b
38	MP3B	PIPE_2.0	.289	2....	5	.116	.948		9	17855...	32130	1.872	1.872	...	H1-1b
39	MP4B	PIPE_2.0	.267	2....	18	.111	1.4...		19	17855...	32130	1.872	1.872	...	H1-1b
40	M195B	LL3x3x3...	.076	3....	13	.007	0	z	4	47981...	70632	5.543	3.751	1	H1-1...
41	M97	LL3x3x3...	.067	3....	21	.005	0	z	12	47981...	70632	5.543	3.751	1	H1-1...
42	M98	LL3x3x3...	.089	3....	17	.007	3.9...	z	8	47981...	70632	5.543	3.751	1	H1-1...

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

	Member	Shape	Code Check	L...	LC	Shear C...	Loc...	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
43	M102	PIPE_2.0	.080	2	5	.015	2		5	28843...	32130	1.872	1.872	...	H1-1b
44	M104	PL3/8X2.5	.556	.0...	8	.312	.043	y	1	29533...	30375	.237	1.582	...	H1-1b
45	M105	PL3/8x6	.145	0	8	.167	0	y	13	72166...	72900	.57	9.113	...	H1-1b
46	M109	PL3/8X2.5	.699	.0...	6	.308	.043	y	12	29533...	30375	.237	1.582	...	H1-1b
47	M110	PL3/8x6	.182	0	6	.142	0	y	24	72166...	72900	.57	9.113	...	H1-1b
48	M94	PL3/8X2.5	.539	.0...	4	.291	.043	y	9	29533...	30375	.237	1.582	...	H1-1b
49	M95	PL3/8x6	.141	0	4	.144	0	y	21	72166...	72900	.57	9.113	...	H1-1b
50	M98A	PL3/8X2.5	.650	.0...	2	.281	.043	y	9	29533...	30375	.237	1.582	...	H1-1b
51	M99A	PL3/8x6	.183	.1...	3	.128	0	y	21	72166...	72900	.57	9.113	...	H1-1b
52	M102A	PL3/8X2.5	.570	.0...	12	.350	.043	y	17	29533...	30375	.237	1.582	...	H1-1b
53	M103A	PL3/8x6	.147	0	12	.200	0	y	17	72166...	72900	.57	9.113	...	H1-1b
54	M106A	PL3/8X2.5	.755	.0...	10	.334	.043	y	5	29533...	30375	.237	1.582	...	H1-1b
55	M107	PL3/8x6	.198	0	10	.180	0	y	17	72166...	72900	.57	9.113	...	H1-1b
56	M113A	PIPE_2.5	.231	1...	24	.145	11....		22	9571....	50715	3.596	3.596	...	H1-1b
57	M118	PIPE_2.5	.232	1...	20	.143	3.8...		24	9571....	50715	3.596	3.596	...	H1-1b
58	M123	PIPE_2.5	.202	1...	16	.141	3.8...		20	9571....	50715	3.596	3.596	...	H1-1b
59	M130	L3X3X4	.231	0	16	.010	0	y	44	43017...	46656	1.688	3.756	...	H2-1
60	M133A	L3X3X4	.264	0	24	.009	0	y	4	43017...	46656	1.688	3.756	...	H2-1
61	M136A	L3X3X4	.293	0	20	.029	0	y	48	43017...	46656	1.688	3.756	...	H2-1
62	M139A	L3X3X4	.042	1....	20	.010	3.1...	y	22	37610...	46656	1.688	3.635	...	H2-1
63	M140A	L3X3X4	.037	1....	20	.013	3.1...	y	16	37611...	46656	1.688	3.635	...	H2-1
64	M143	L3X3X4	.038	1....	16	.012	3.1...	y	18	37610...	46656	1.688	3.635	...	H2-1
65	M144	L3X3X4	.035	1....	16	.012	3.1...	y	24	37611...	46656	1.688	3.635	...	H2-1
66	M147	L3X3X4	.043	1....	24	.012	0	y	14	37610...	46656	1.688	3.635	...	H2-1
67	M148	L3X3X4	.041	1....	24	.013	0	y	20	37611...	46656	1.688	3.635	...	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	N238	max	1268.237	10	287.59	6	2134.792	1	.248	6	2.456	4	.081	4
2		min	-1291.715	4	-373.185	48	-1281.445	7	-.272	48	-2.409	10	-.293	46
3	N235	max	1792.29	9	283.673	3	942.014	1	.125	11	1.944	12	.223	8
4		min	-1145.38	3	-292.168	9	-1328.188	7	-.185	5	-1.969	6	-.215	2
5	N238A	max	1414.061	10	384.448	11	1233.934	1	.236	3	2.964	8	.275	12
6		min	-2293.357	4	-396.824	5	-1728.17	7	-.24	9	-2.992	2	-.249	6
7	N278A	max	24.32	10	2729.386	13	-644.568	7	0	51	.001	4	0	10
8		min	-24.562	4	693.076	7	-2444.607	13	0	1	0	10	-.001	4
9	N135	max	-507.034	3	2398.121	21	1070.911	21	0	6	0	12	0	12
10		min	-1854.635	21	628.532	3	292.899	3	0	12	0	6	0	6
11	N138	max	2483.982	17	3192.367	17	1433.822	17	0	8	.001	8	0	8
12		min	574.178	11	713.194	11	331.409	11	0	2	-.001	2	0	2
13	Totals:	max	4057.243	10	7956.495	17	3965.229	1						
14		min	-4057.256	4	2978.426	11	-3965.225	7						

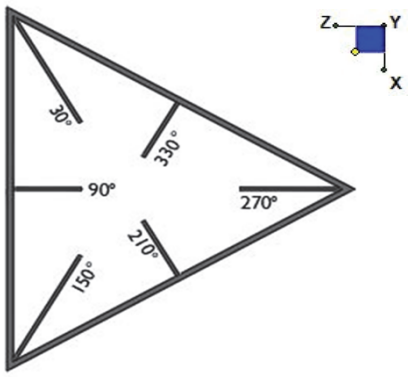
Client:	Verizon Wireless	Date:	9/8/2021
Site Name:	EAST GRANBY 3 CT		
Project No.	21777115A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

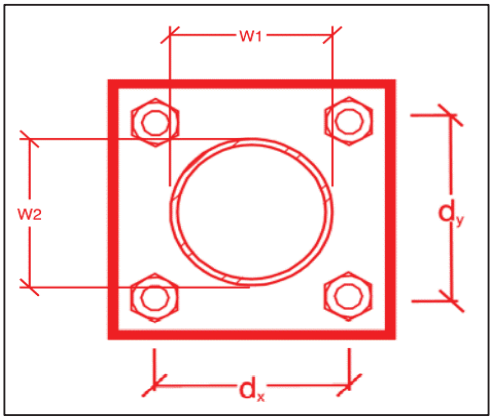
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N235	30
N238A	150
N238A	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	9.6
Required Shear Strength (kips):	2.2
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**11.6%***
Shear Capacity Overall:	**4.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Round
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	3.5
W2 (in):	3.5
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	3.80
Plate Bending Capacity:	**53.3%**
Weld Capacity:	**68.3%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

---

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

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

Base Requirements:

- If installation of the modification 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 drawings" showing contractor's name, 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 post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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 of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must 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.
    - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
    - Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings 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 as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ 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.

Comments:

Certifying Individual:

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

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Install proposed OVP on new 36” long P2 STD pipe attached to the Alpha / Gamma standoff arm using crossover plates (VZWSMART-MSK6)

Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

☐ Yes ☐ No

Comments:

Structure: 469130-VZW - EAST GRANBY 3 CT

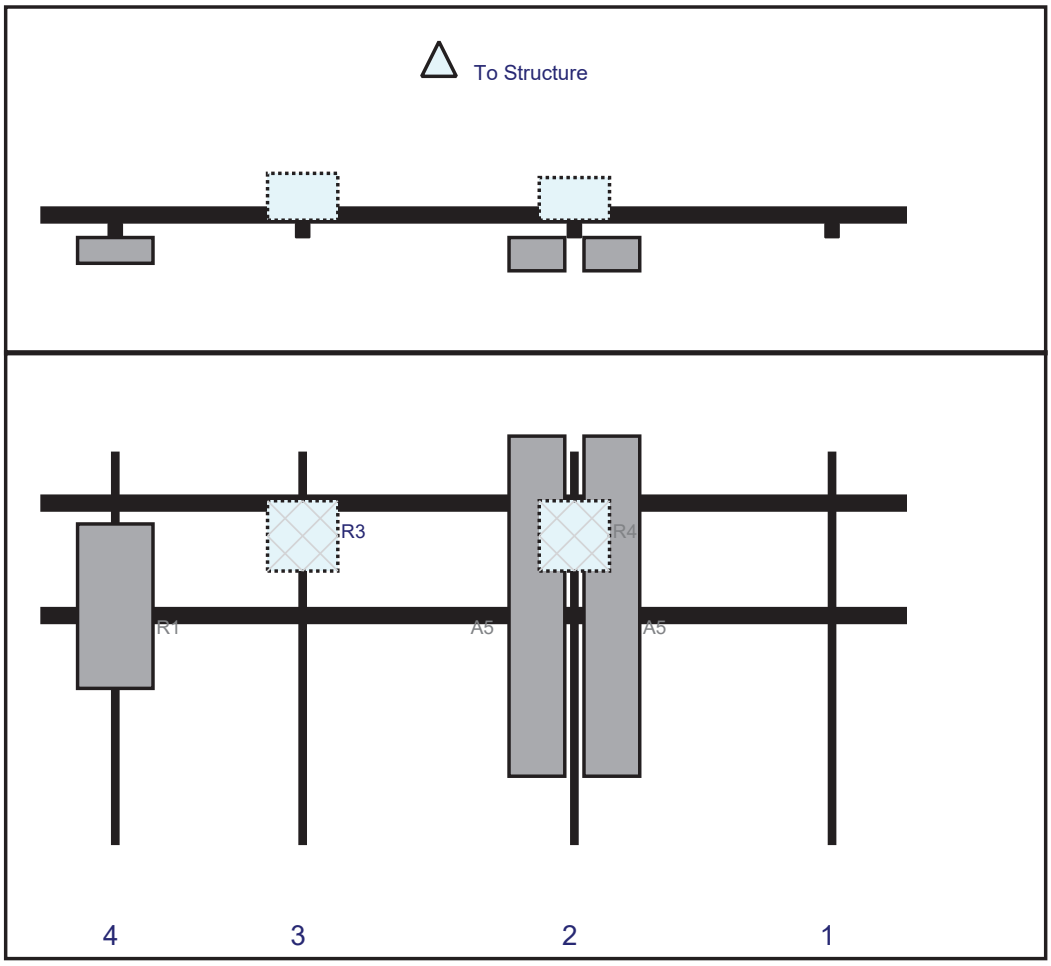
Sector: **A** 9/8/2021

Structure Type: Monopole 10101463

Mount Elev: 67.00 Page: 1

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	SBNHH-1D65B	72.6	11.9	114	2	a	Front	33	8	Retained	03/29/2021
A5	SBNHH-1D65B	72.6	11.9	114	2	b	Front	33	-8	Retained	03/29/2021
R4	RF4440d-13A	15	15	114	2	a	Behind	18	0	Added	
R3	RF4439d-25A	15	15	56	3	a	Behind	18	0	Added	
R1	MT6407-77A	35.1	16.1	16	4	a	Front	33	0	Added	

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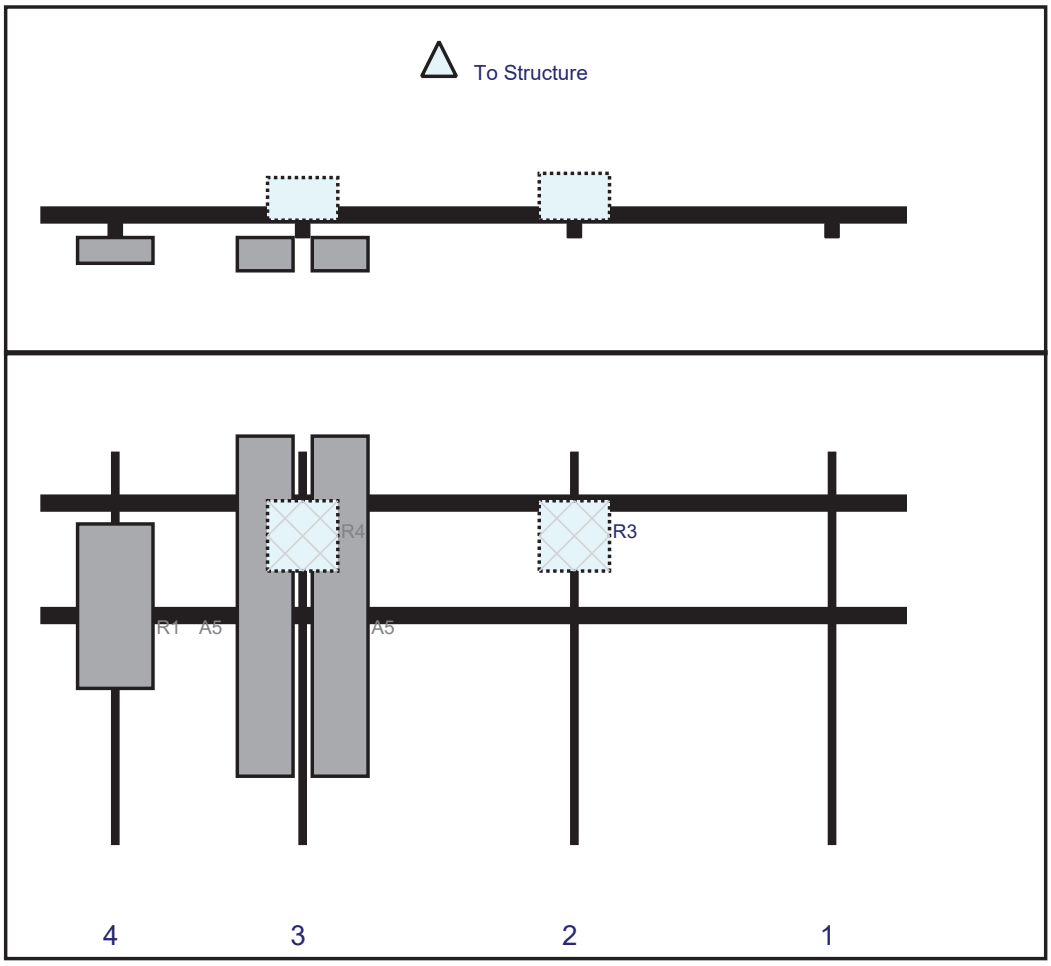
Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	RF4439d-25A	15	15	114	2	a	Behind	18	0	Added	
A5	SBNHH-1D65B	72.6	11.9	56	3	a	Front	33	8	Retained	03/29/2021
A5	SBNHH-1D65B	72.6	11.9	56	3	b	Front	33	-8	Retained	03/29/2021
R4	RF4440d-13A	15	15	56	3	a	Behind	18	0	Added	
R1	MT6407-77A	35.1	16.1	16	4	a	Front	33	0	Added	

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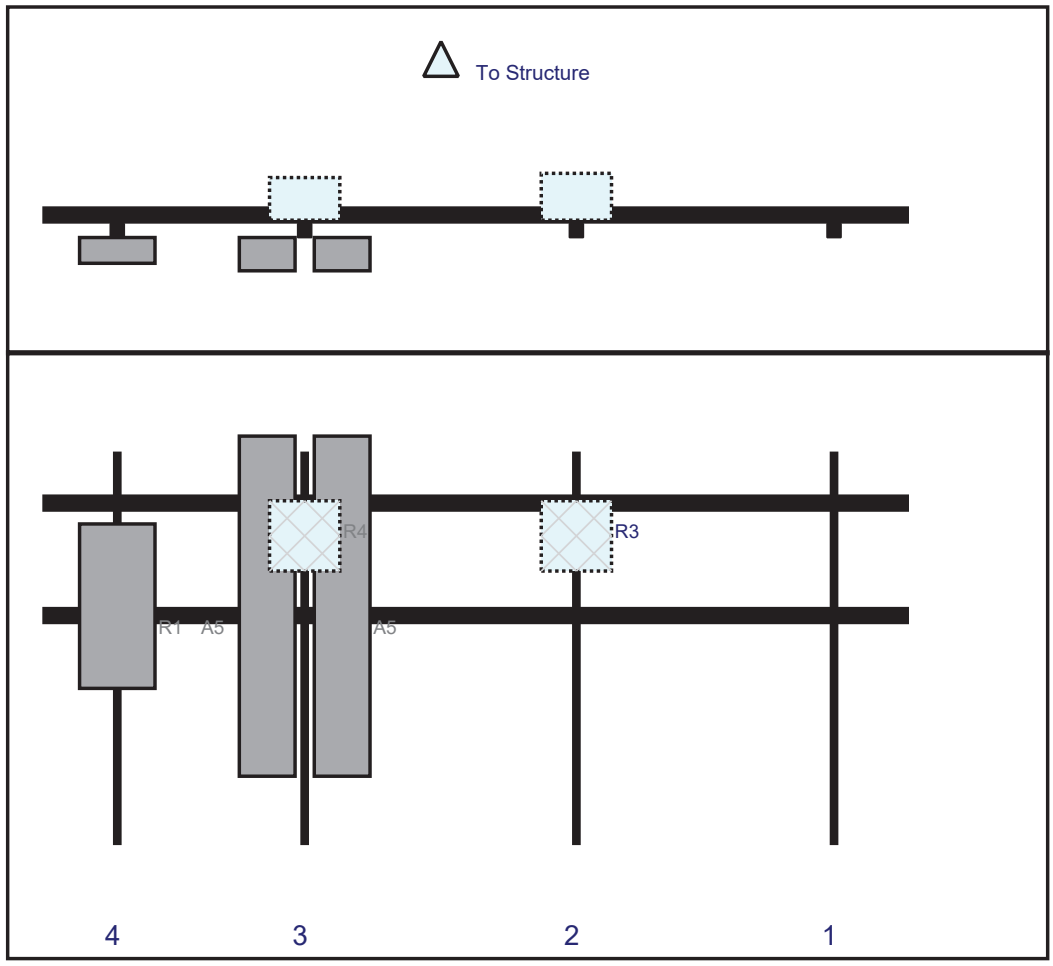
Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	RF4439d-25A	15	15	114	2	a	Behind	18	0	Added	
A5	SBNHH-1D65B	72.6	11.9	56	3	a	Front	33	-8	Retained	03/29/2021
A5	SBNHH-1D65B	72.6	11.9	56	3	b	Front	33	8	Retained	03/29/2021
R4	RF4440d-13A	15	15	56	3	a	Behind	18	0	Added	
R1	MT6407-77A	35.1	16.1	16	4	a	Front	33	0	Added	

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Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*469130-VZW / EAST GRANBY 3 CT*
	Site Name:	*EAST GRANBY 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*60 S Main St* *East Granby, Connecticut 6026* *Hartford County*
	Latitude:	*41.941553°*
	Longitude:	*-72.738681°*
Structure Information	*Tower Type:*	*100-Ft Monopole*
	Mount Type:	*15.42-Ft Platform*

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Peter Albano, PE
Project Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***E GRANBY 3 CT***
Cumulative Power Density

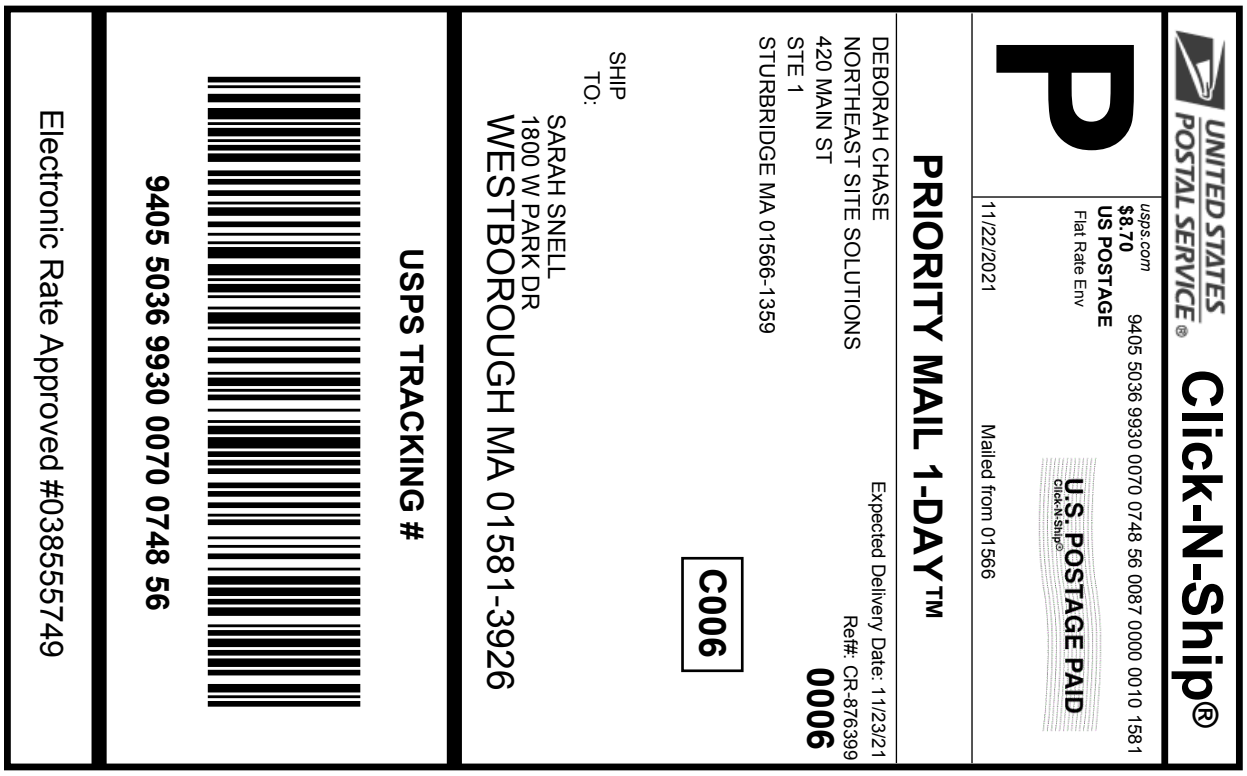
Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	698	2792	67	0.0224	0.5007	4.47%
VZW CDMA	869	2	408	816	67	0.0065	0.5793	1.13%
VZW Cellular	869	4	826	3304	67	0.0265	0.5793	4.57%
VZW PCS	1980	4	1511	6044	67	0.0484	1.0000	4.84%
VZW AWS	2125	4	1695	6780	67	0.0543	1.0000	5.43%
VZW CBAND	3730	4	6531	26124	67	0.2093	1.0000	20.93%
Total Percentage of Maximum Permissible Exposure								41.37%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power
Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

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2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0070 0748 56

Trans. #:	548995323
Print Date:	11/22/2021
Ship Date:	11/22/2021
Expected Delivery Date:	11/23/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

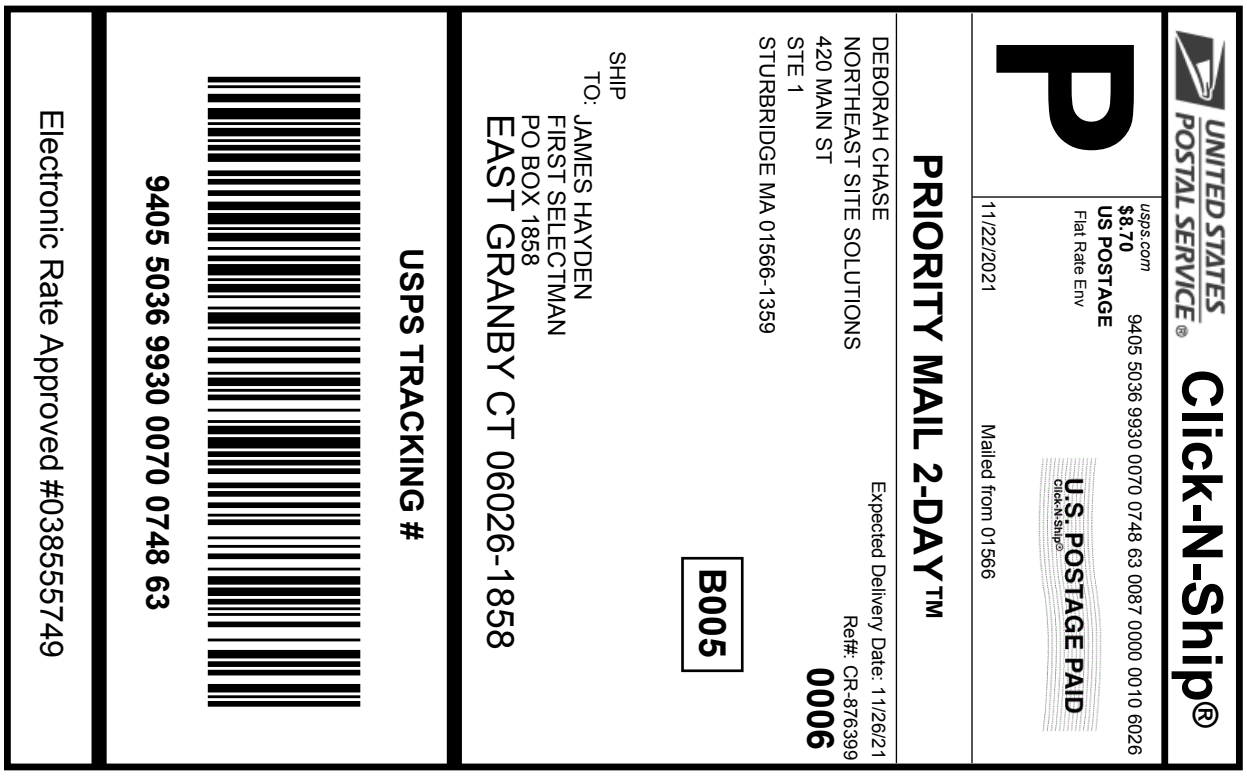
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-876399

To: SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0070 0748 63

Trans. #:	548995323
Print Date:	11/22/2021
Ship Date:	11/22/2021
Expected Delivery Date:	11/26/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

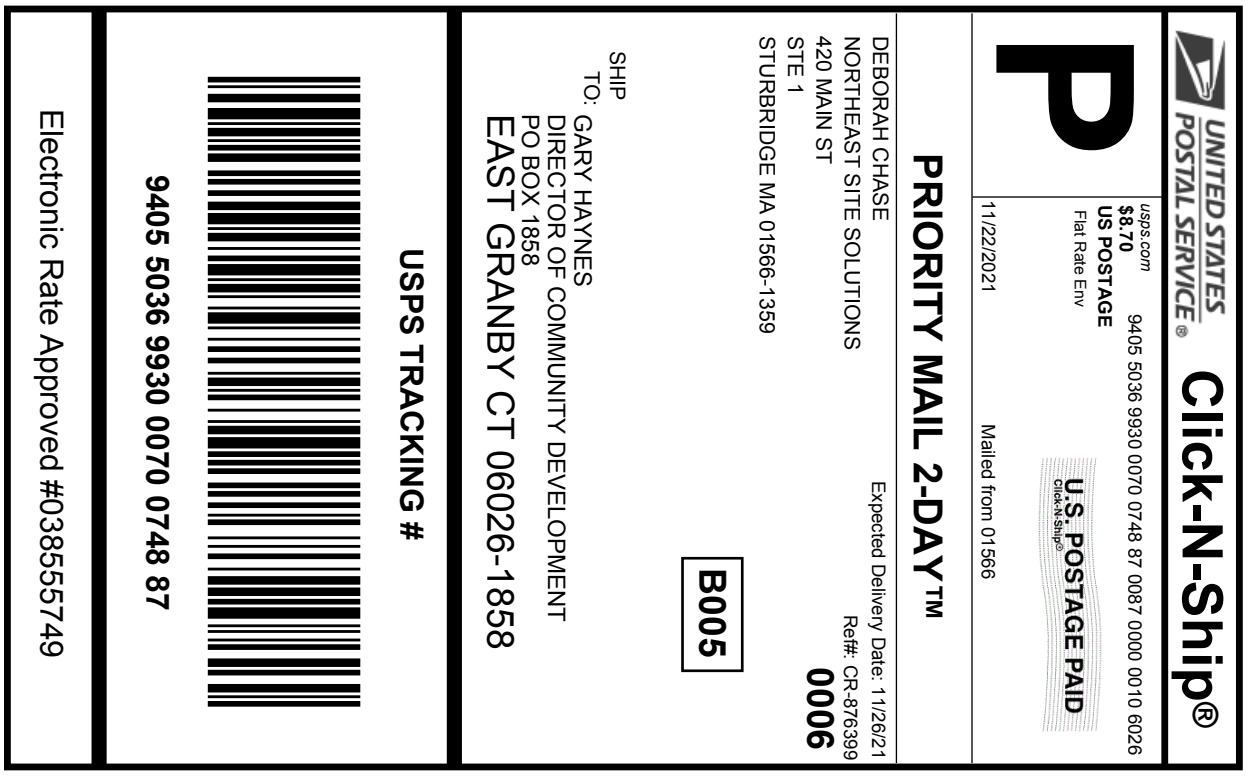
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-876399

To: JAMES HAYDEN
FIRST SELECTMAN
PO BOX 1858
EAST GRANBY CT 06026-1858

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0070 0748 87

Trans. #:	548995323
Print Date:	11/22/2021
Ship Date:	11/22/2021
Expected Delivery Date:	11/26/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

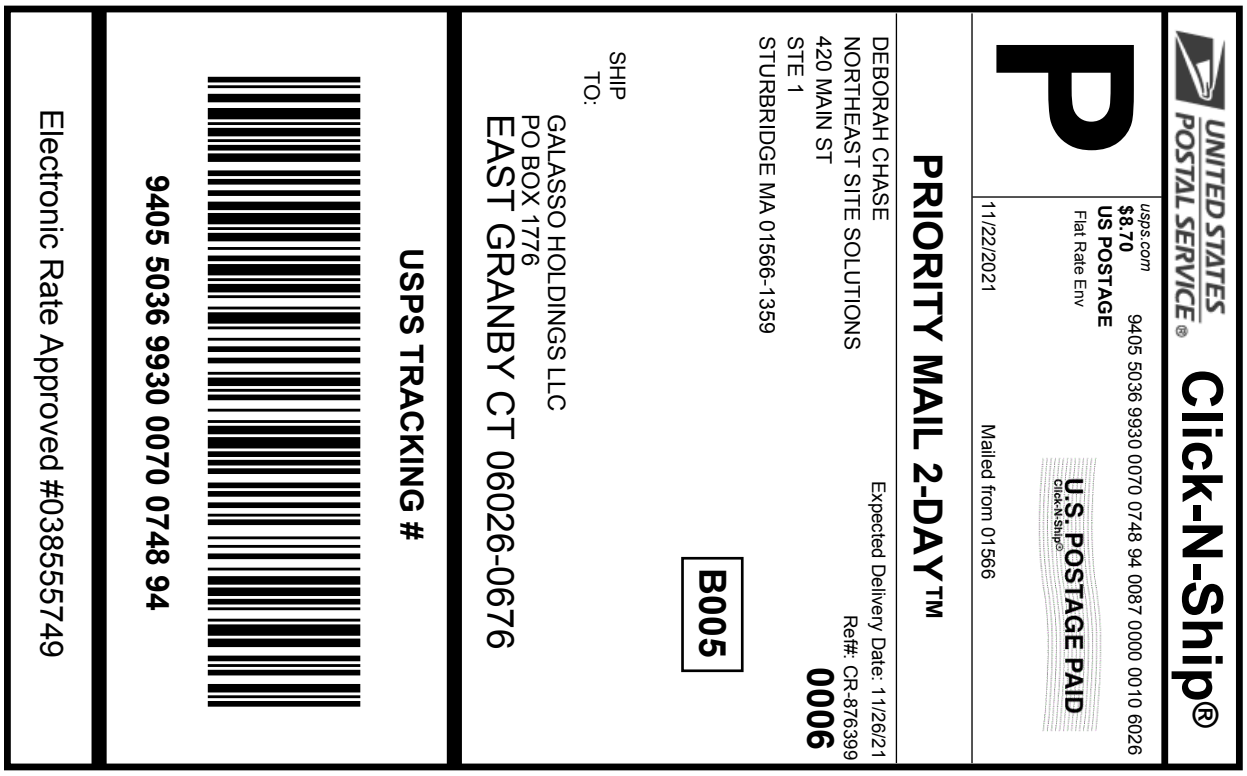
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-876399

To: GARY HAYNES
DIRECTOR OF COMMUNITY DEVELOPMENT
PO BOX 1858
EAST GRANBY CT 06026-1858

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



Cut on dotted line.

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From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-876399

To: GALASSO HOLDINGS LLC
PO BOX 1776
EAST GRANBY CT 06026-0676

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

UNITED STATES POSTAL SERVICE.

GREENDALE
290 W BOYLSTON ST
WORCESTER, MA 01606-2378
(800)275-8777

01/18/2022 09:46 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Tue 01/18/2022 Tracking #: 9405 5036 9930 0070 0748 56	1		$0.00
Prepaid Mail East Granby, CT 06026 Weight: 0 lb 13.50 oz Acceptance Date: Tue 01/18/2022 Tracking #: 9405 5036 9930 0070 0748 87	1		$0.00
Prepaid Mail East Granby, CT 06026 Weight: 0 lb 13.40 oz Acceptance Date: Tue 01/18/2022 Tracking #: 9405 5036 9930 0070 0748 94	1		$0.00
Prepaid Mail East Granby, CT 06026 Weight: 0 lb 13.50 oz Acceptance Date: Tue 01/18/2022 Tracking #: 9405 5036 9930 0070 0748 63	1		$0.00