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 23, 2021

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

RE: Exempt Modification Application
56 Norfield Road, Weston, CT 06883
Latitude: 41.202361
Longitude: -73.379638
Site #: 829046_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 56 Norfield Road, Weston, CT 06883. Verizon Wireless currently maintains twelve (12) antennas at the 153-foot level of the existing 190-foot tower. The property is owned by the Town of Weston and tower are owned by Crown Castle. Verizon now intends to replace twelve (12) antennas and add six (6) antennas. The new antennas would be installed at the 153-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated October 15, 2021.

Verizon Planned Modifications:

Remove and Replace:
(6) QS6656-5D Antennas (REMOVE) – (6) MX06FR0640-02 Antennas (REPLACE)
(4) DB846F65ZAXY8690 Antennas (REMOVE) – (4) MX06FR0640-02 Antennas (REPLACE)
(2) LPA-80080-6CF Antennas (REMOVE) – (2) MX06FR0640-02 Antennas (REPLACE)

Install New:
(3) MT6407-77A Antennas
(3) XXDWMM-12.5-65-8T CBRS Antennas
(3) Samsung RRH - BR049 RFV01U D1A
(3) Samsung RRH - BR04C RFV01U D2A
(3) Commscope Diplexers
(2) Raycap OVP 12
(1) Hybrid Line

Existing to Remain:
(3) Samsung RRH - BR049 RFV01U D1A
(3) Samsung RRH - BR04C RFV01U D2A
(6) 1-5/8" Coax
(2) Hybrid Lines
(1) Raycap OVP

NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

The facility was approved by the Weston Planning & Zoning Commission on July 26, 1999. Please see attached.

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 Samantha Nestor, First Selectwoman and James Pjura, Zoning Enforcement Officer for the Town of Weston. 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: Samantha Nestor, First Selectwoman & Property Owner
Town of Weston
56 Norfield Rd., Weston, CT 06883

James Pjura, Zoning Enforcement Officer
Town of Weston
56 Norfield Rd., Weston, CT 06883

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

VOL 278 PG 0706

8.3.99
Cau

009564

TOWN of WESTON, CONNECTICUT

Incorporated 1787

Planning & Zoning Commission

8-24 Report

Town of Weston
Omnipoint Communications
Monopole Tower

At a regularly scheduled meeting of the Planning & Zoning Commission held on July 26, 1999, the Commission unanimously approved the plan presented by the First Selectman George Guidera and Town Administrator Roy Hill to service six communication companies plus the Town of Weston antennas for public safety and radio emergency equipment on a monopole tower, in accordance with letter dated July 1, 1999 and the standard lease agreement dated May 24, 1999, which will be modified to include maintenance of the building.

RECEIVED FOR RECORD Aug 23 19 99
at 10:14A M. ATTEST [illegible]

56 Norfield Road, P.O. Box 1007, Weston CT 06883 Tel. (203) 222-2618 FAX (203) 222-8871

8-24 REPORT: TOWN OF WESTON OMNIPOINT COMMUNICATION MONOPOLE TOWER

First Selectman George Guidera presented an 8-24 Report for a communication monopole tower. Roy Hill, Town Administrator was also present. Mr. Guidera stated that the Town has been working on this project for almost 4 years to replace the existing emergency services radio tower located at the rear of the Town Hall complex. The existing tower is 20 plus years old and in need of replacement. There is noticeable deterioration of the cement base and several companies have described the tower as having lasted its useful life expectancy. The Town determined that the emergency services radio tower needed to be replaced and upgrading the need for better cellular phone service in Weston. The recommendation of the Communications Tower and Antenna Advisory Committee, it was decided to replace the existing emergency services radio tower with a 190 foot monopole tower in essentially the same as the current tower.

The Omnipoint Communications, Inc. will build this 190 foot monopole tower for the Town of Weston and pay $72,000. rent per year. After construction the tower will be leased back to Omnipoint Communications. Besides the antennas for all radio's of the Weston Fire, EMS, Highway, and Police Departments, it will also have 6 cellular/PCS (personal communications services) carriers on board. In the agreement with Omnipoint, the Town of Weston has the top of the tower allocated for the emergency services radios as appropriate by radio frequency.

An equipment building will also have to built next to the monopole tower to house the radio equipment for the police, fire and EMS, along with equipment for the six cellular/PCS carriers. The proposed building is a white brick, single story structure, approximately 77' by 23' in size.

Due to the placement of the existing underground utilities the most effective location for the new antenna is where the Police/Fire/EMS Fitness Center currently is. It is proposed that the fitness center be moved from its current location on the northeast corner of the of the firehouse to the northwest corner of the firehouse. This proposed tower will eliminate the tower planned at Timber Mill.

Mark Finely of Omnipoint introduced his staff and went over the tower in detail. He also stated that this 8-24 report if only for the tower at Town Hall and showed the coverage this tower would have for the Town.

8-24 REPORT: TOWER CONTINUED:
Questions from the Commission:
1. Will the tower need guy wires? The tower does not need quy wires.
The architect from Omnipoint stated it is extremely safe and has to sustain winds of 100 miles per hour and is designed to crumple down into itself.
2. Address land use issues such as the parking at Town Hall and the possible loss of parking spaces for the utility building. Also the increased traffic for maintenance of the tower.
3. Questioned the use of the land on the other side of the Fire House for the location of the tower. The Town Engineer explained that this area contains a new drainage system and could not withstand the weight of a tower.
4. Omnipoint will install the utility building and the Town will pay for the equipment.
5. Questioned the construction details of the tower and concerned about icing on the platforms. Omnipoint stated that they had not had this problem.

The Commission requested that the utility building be staked for this site walk on July 17.

PUBLIC HEARING CONT: 2 LOT RESUB. 35 SALEM ROAD MITCHELL (BARR)
Mel Barr was present, representing the owner R. Mitchell. The Commissioners walked the site and expressed concern about saving the trees and also a better site line for the driveway as the vegetation is on Town land and needs to be removed. Also discussed possible conditions for the approval including horses on Salem Road during construction, and an updated letter from the Fire Marshal.

Don Saltzman moved that the Commission close the public hearing. Seconded by Michael Widland. Vote in favor (7-0).

PUBLIC HEARING CONT: OLIVE PHILLIPS CALVIN ROAD 4 LOT SUB. (ROMANO)
Peter Romano of Richard Bennett Associates was present for the applicant. Mr. Romano and the Commission discussed the site walk and that the parcel they saw with the foundation is not a lot that is included in the subdivision. Also a discussion followed about the access to this lot which is off the subdivision road "Quail Road". The question arose as to why this lot is not part of the subdivision. Mr. Romano stated that they received a site specific approval from Conservation for this lot. Michael Widland was concerned about two curb cuts onto Georgetown Road and a discussion about the site lines and safety of the access to Georgetown Road. The Chairman requested that the applicant incorporate the adjacent 2 acre lot into the subdivision. Peter Romano agreed to submit a new map and also walk this thru with the Conservation officer as it was included in the subdivision when it was approved by Conservation.

8-24 REPORT CONT: TOWN OF WESTON OMNIPOINT COMMUNICATIONS MONOPOLE TOWER

First Selectman George Guidera, Town Administrator Roy Hill and members of Omnipoint Communications were present. The Commissioners walked the site and had the following concerns:

Don Saltzman looked at other potential locations and feels that the proposed location is the best location. Also concerned about ice buildup on 6 platforms and asked if there was a way to heat the platforms? The Omnipoint representative stated they have no technology for this and to his knowledge they have never had a problem. He felt the ground space around the tower is enough are to catch any ice. A discussion then followed regarding insurance and if the Town is covered. George Guidera stated that the Town has its own insurance and feels the Town is adequately protected. Mr. Saltzman was also concerned about having it in writing that the towers will be at Town Hall and possibly at the Landfill and not at Timbermill. A discussion followed regarding the 6 carriers on one pole.

Michael Widland clarified that the Commission is only dealing with this tower at Town Hall. Marguerite Terzian is concerned about service trucks regarding safety in the Town Hall parking lot and had considered some other location. Ms. Terzian then read the following letter from the Fire Chief, dated 7/20/99:

"I was chairman of the original tower fact-finding committee comprised of representatives from the police department, communications center, fire department, EMS, and the town engineer. When Selectman Guidera appointed a Town Tower Committee I forwarded our findings and became a member of that committee. Many hours have been spent examining in detail all feasible options for a tower location. The area behind the Communications Center is best for a number of short and long term reasons. The further away the tower is from the Communications Center, the greater the potential for problems. The Town Hall building will help screen the tower. When the Communications center expands it will have room to do so back toward the school. Locating the tower and radio building to the west side of the firehouse will make future expansion of Norfield Station impossible. At a minimum I anticipate the need for an aerial ladder truck which will require an additional bay. Parking for volunteers responding during the week is becoming very scarce. Taking space from Station 1's west side will only compound a growing problem. When a firefighter dormitory is added it will have to be at ground level, With no room on the west side the only option would be to build north into the school playing fields. It's highly unlikely the Board of Ed would approve. Marguerite, I cannot emphasize too strongly that the tower will help save lives and property by providing the emergency services the required antenna height for uninterrupted communications. It will also give residents access to emergency services while on the roads, in the woods, or at their homes when conventional telephones are

8-24 REPORT TOWER CONTINUED:

unavailable or out of service. The increasing portability of cellular phones will make 24 hour a day, anywhere in Weston emergency help a reality, particularly for the elderly, infirm and handicapped. Finally, we anticipate mobile computer data exchange in our emergency vehicles for transferring vital statistics to and from the field. We have been working on this very important project for years and are available to you for help and to answer any questions". Ms. Terzian stated that this letter convinced me that the other side of the Fire House was important to the Fire Department.

Town Engineer John Conte showed a map and went over in detail the drainage implications on the other side of the Fire House.

Don Saltzman suggested Omnipoint coordinate their installation with the trench wiring for the Technology Plan for Town Hall.

Michael Widland asked if the lease been amended? The Town Administrator stated it covers at least four and Mr. Widland wants to make sure there are six carriers.

There was a discussion regarding the block house and maintenance and that it is part of Omnipoint's responsibility. The Commission expressed concern about traffic involved for the maintenance and the Town Hall parking and to consider proper signage for same. It was noted by the Town Engineer that there will no loss of parking spaces for the construction of the block house.

Don Saltzman moved that the Commission approve the plan presented by the First Selectman George Guidera and Town Administrator Roy Hill to service six communication companies plus the Town of Weston antennas for public safety and radio emergency equipment on a monopole tower, in accordance with letter dated July l, l999 and the standard lease agreement dated May 24, 1999, which will be modified to include maintenance of the building. Seconded by Michael Widland. Vote in favor (6-0). Paul Schultz absent.

PUBLIC HEARING CONT: OLIVE PHILLIPS CALVIN ROAD 4 LOT SUB. (ROMANO)

This application was withdrawn.

PUBLIC HEARING CONT: SPECIAL PERMIT APARTMENT 7 NIMROD FARM (MATTERA)

This application was withdrawn

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.

Town of Weston, CT

Information on the Property Records for the Municipality of Weston was last updated on 4/4/2020.

Parcel Information

Location:	56 NORFIELD ROAD	Property Use:	Public Use	Primary Use:	Governmental Building
Unique ID:	E00116	Map Block Lot:	22 6 28+31	Acres:	0.00
490 Acres:	0.00	Zone:	C	Volume / Page:	42/ 272
Developers Map / Lot:	569A,569B,3471	Census:			

Value Information

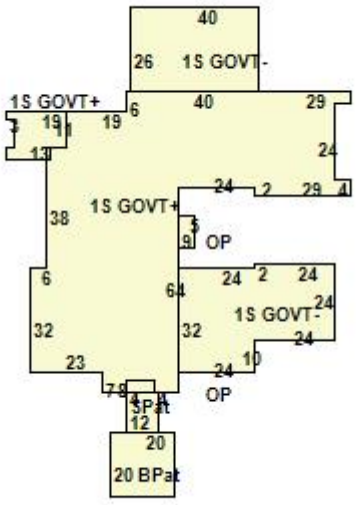
	Appraised Value	Assessed Value
Land	0	0
Buildings	4,401,064	3,080,740
Detached Outbuildings	280,222	196,160
Total	4,681,286	3,276,900

Owner's Information

Owner's Data
TOWN OF WESTON TOWN HALL & FIRE STATION 56 NORFIELD RRD WESTON CT 06883

Building 1





Category:	Public Use	Use:	Governmental Building	GLA:	7,858
Stories:	1.00	Construction:	Wood Frame	Year Built:	1956

Heating:	Hot Water	Fuel:	Natural Gas	Cooling Percent:	100
Siding:	Wood Frame/Wood Frame	Roof Material:	Slate	Beds/Units:	1

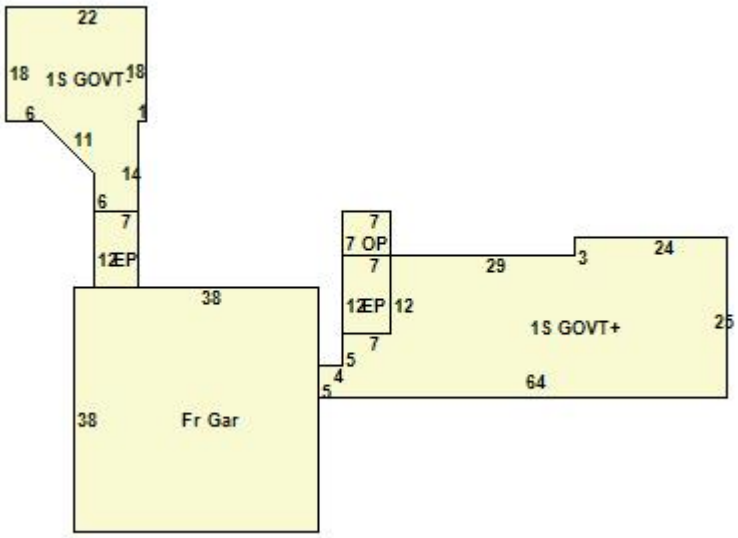
Special Features

Attached Components

Type:	Year Built:	Area:
Brick Patio	1956	400
Stone Patio	1956	120
Open Porch	1956	45
Open Porch	1956	32

Building 2





Category:	Public Use	Use:	Governmental Building	GLA:	1,854
Stories:	1.00	Construction:	Wood Frame	Year Built:	1956
Heating:	Forced Hot Air	Fuel:	Natural Gas	Cooling Percent:	100
Siding:	Wood Frame/Wood Frame	Roof Material:	Slate	Beds/Units:	1

Special Features

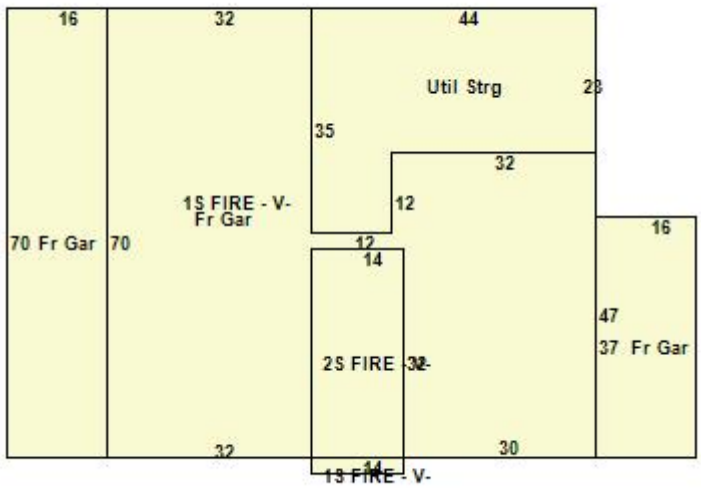
Attached Components

Type:	Year Built:	Area:

Type:	Year Built:	Area:
Frame Garage	1956	1,444
Enclosed Porch	1956	84
Enclosed Porch	1956	84
Open Porch	1956	49

Building 3





Category:	Public Use	Use:	Fire Station - Volunteer	GLA:	4,654
Stories:	2.00	Construction:	Wood Frame	Year Built:	1956

Heating:	Hot Water	Fuel:	Natural Gas	Cooling Percent:	100
Siding:	Wood Frame/Wood Frame	Roof Material:	Asphalt	Beds/Units:	1

Special Features

Attached Components

Type:	Year Built:	Area:
Frame Garage	1956	1,120
Frame Garage	1956	3,716
Frame Garage	1956	592
Utility Storage	1956	1,156

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Studio Office	2008	32.00	24.00	768
Average Work Shop	2008	20.00	12.00	240
Lights in W/PL	2008	0.00	0.00	7
Gazebo	2008	0.00	0.00	100
Paving	2008	25,600.00	0.00	25,600
Paving	2008	9,600.00	0.00	9,600
Light Poles 2	2008	0.00	0.00	1

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Valid Sale	Sale Price
TOWN OF WESTON	42	272	12/21/1948	Warranty Deed	No	$23,500

Building Permits

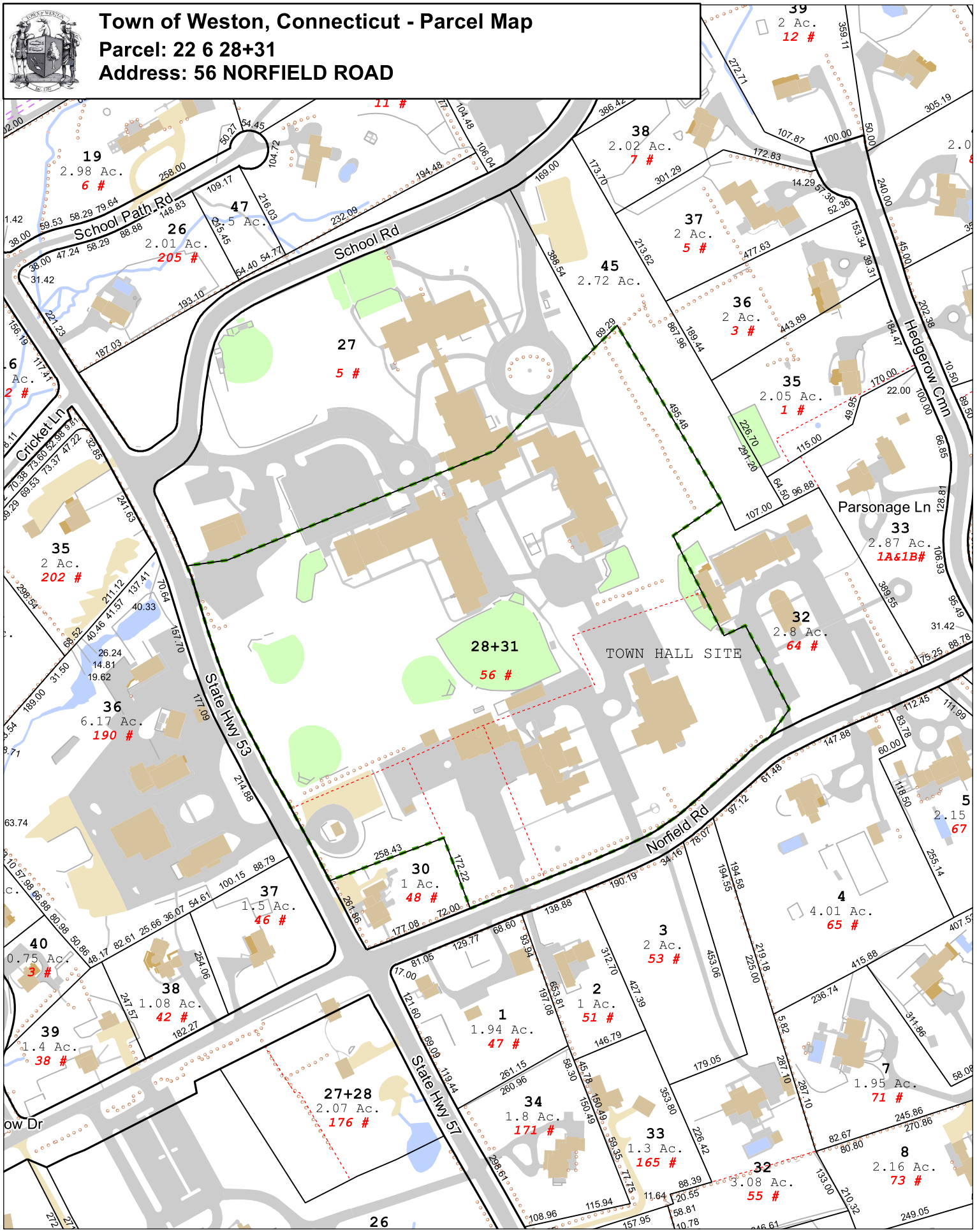
Permit Number	Permit Type	Date Opened	Date Closed	Permit Status	Reason
8325	Building	11/07/2019		Permit Issued	VERIZON REMOVE & REPLACE ANTENNAS. RADIOS, OPV BOX & CABLE
8105	Building	06/12/2018		Reval	AT&T ATENNAS
7970		09/28/2017		Closed	SPRINT ADDING 3 ANTENNAS 3 RRHS 1 HYBRID CABLE TO EXSISTING EQUIPMENT ON TOWER
7857		01/12/2017		Closed	SEE PERMIT
7832		10/27/2016		Closed	SEE PERMIT
7790		07/12/2016		Closed	INTERIOR RENOVATIONS TO LIBRARY
7702		12/17/2015		Closed	AT&T REMOVE AND REPLCE ANTENNAS
7502		01/13/2015		Closed	SEE PERMIT
7429		08/20/2014		Closed	ANTENNAS
7346		03/19/2014		Closed	SEE PERMIT
7291		11/05/2013		Closed	ELECTRICAL
6512		11/05/2008		Closed	FOOD PANTRY
6490		09/19/2008		Closed	REPLACE ROOF
5362		10/06/2003		Closed	CELL TOWER

Information Published With Permission From The Assessor

Town of Weston, Connecticut - Parcel Map

Parcel: 22 6 28+31

Address: 56 NORFIELD ROAD



Approximate Scale:

0 50 100 150 200 Feet

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

Map Produced
July 2021

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468910
VERIZON SITE NAME: WESTON CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 190'-0"

BUSINESS UNIT #: 829046
SITE ADDRESS: 56 NORFIELD RD. (TOWN HALL) WESTON, CT 06883
COUNTY: FAIRFIELD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WESTON/ RT-57/ NORFIELD R
SITE ADDRESS:	56 NORFIELD RD. (TOWN HALL) WESTON, CT 06883
COUNTY:	FAIRFIELD
MAP/PARCEL #:	22 6 28A
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.202333
LONGITUDE:	-73.379611
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	327'
CURRENT ZONING:	C
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:	VOICESTREAM WIRELESS 12920 S.E. 38TH STREET BELLEVUE, WA 98006
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	UNITED ILLUMINATING CO.
TELCO PROVIDER:	N/A

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 MARVIN PHILLIPS MARVIN.PHILLIPS@BTGRP.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	MOUNT ANALYSIS
ATTACHED	MOUNT MODIFICATION

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. 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	10107332
VzW LOCATION CODE (PSLC)	468910

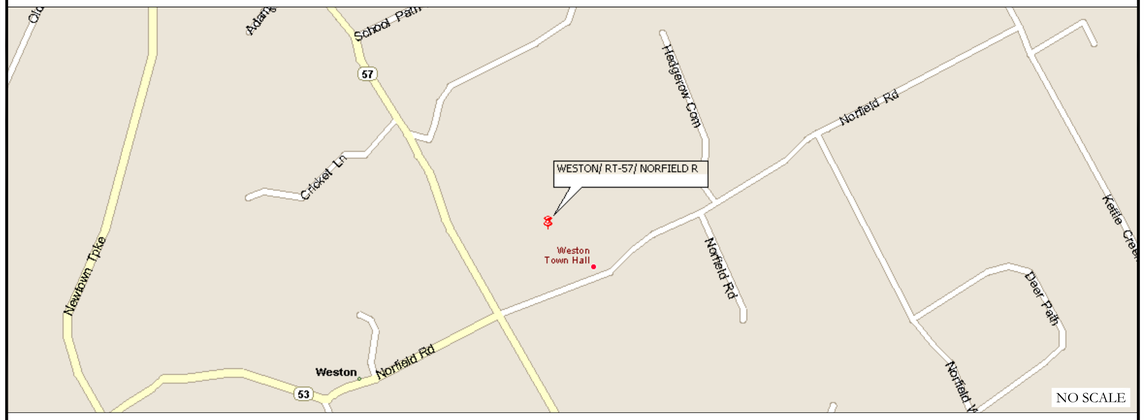
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**Y**

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (1201 KINGS HWY, FAIRFIELD, CT 06824, UNITED STATES)
HEAD NORTHEAST TOWARD US-1 N TURN RIGHT TOWARD US-1 N, TAKE CT-58 N, CT-15 S AND CT-57 N/WESTON RD TO NORFIELD RD IN WESTON, TURN RIGHT ONTO US-1 N, SLIGHT LEFT ONTO BLACK ROCK TURNPIKE, USE THE RIGHT LANE TO TURN LEFT ONTO US-1 S, SLIGHT RIGHT ONTO BLACK ROCK TURNPIKE, SLIGHT LEFT ONTO CT-58 N, TURN LEFT TO MERGE WITH CT-15 S TOWARD N.Y. CITY, TAKE EXIT 42 TOWARD CT-57 N/WESTON RD, TURN LEFT ONTO CT-57 N/WESTON RD, CONTINUE ON NORFIELD RD TO YOUR DESTINATION, TURN RIGHT ONTO NORFIELD RD, TURN LEFT, TURN LEFT.

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 W/ AMENDMENTS
MECHANICAL	2015 IMC W/ AMENDMENTS
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	10/13/21
MOUNT ANALYSIS:	MASER CONSULTING
DATED:	10/15/21
RFDS REVISION:	----
DATED:	10/7/21
ORDER ID:	585541
REVISION:	5

CALL CONNECTICUT ONE CALL
(800) 922-4455 CBYD.COM
CALL 2 WORKING DAYS BEFORE YOU DIG!

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 (12) ANTENNAS
- REMOVE (3) MOUNTING BRACKETS
- REMOVE (1) OVP
- RELOCATE (6) RADIOS
- INSTALL (18) ANTENNAS
- INSTALL (3) DIPLEXERS
- INSTALL (6) SIDE BY SIDE MOUNTS
- INSTALL (6) RADIOS
- INSTALL (1) HYBRID CABLE (12X24)
- INSTALL MOUNT MODIFICATIONS PER MOUNT MODIFICATION ANALYSIS BY MASER CONSULTING DATED 10/15/21
- PROPOSE (2) OVPS

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:
468910

BU #: **829046**
WESTON/ RT-57/ NORFIELD R

56 NORFIELD RD. (TOWN HALL)
WESTON, CT 06883

EXISTING 190'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/09/21	GAC	CONSTRUCTION	YXI

STATE OF CONNECTICUT
No. 23924
LICENSED PROFESSIONAL ENGINEER
11/09/21

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

136353.013.01_WESTON RT57 NOR.dwg – Sheet:T-1 – User: yxiong – Nov 11, 2021 – 7:28am

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:

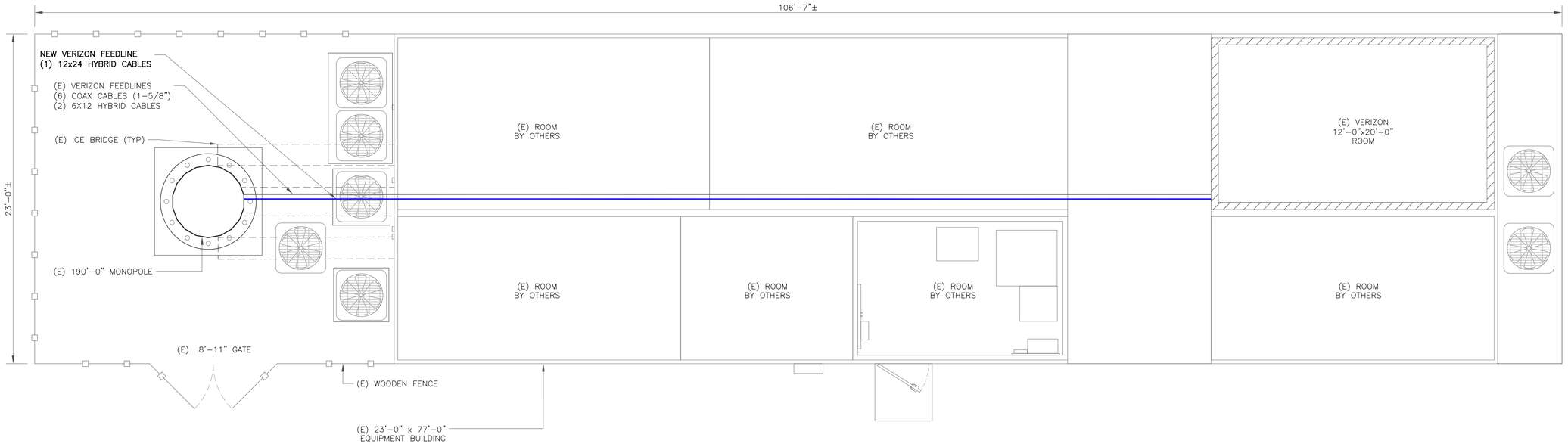
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
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



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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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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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:
468910

BU #: **829046**
WESTON/ RT-57/
NORFIELD R

56 NORFIELD RD. (TOWN HALL)
WESTON, CT 06883

EXISTING 190'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/09/21	GAC	CONSTRUCTION	YXI

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
11/09/21

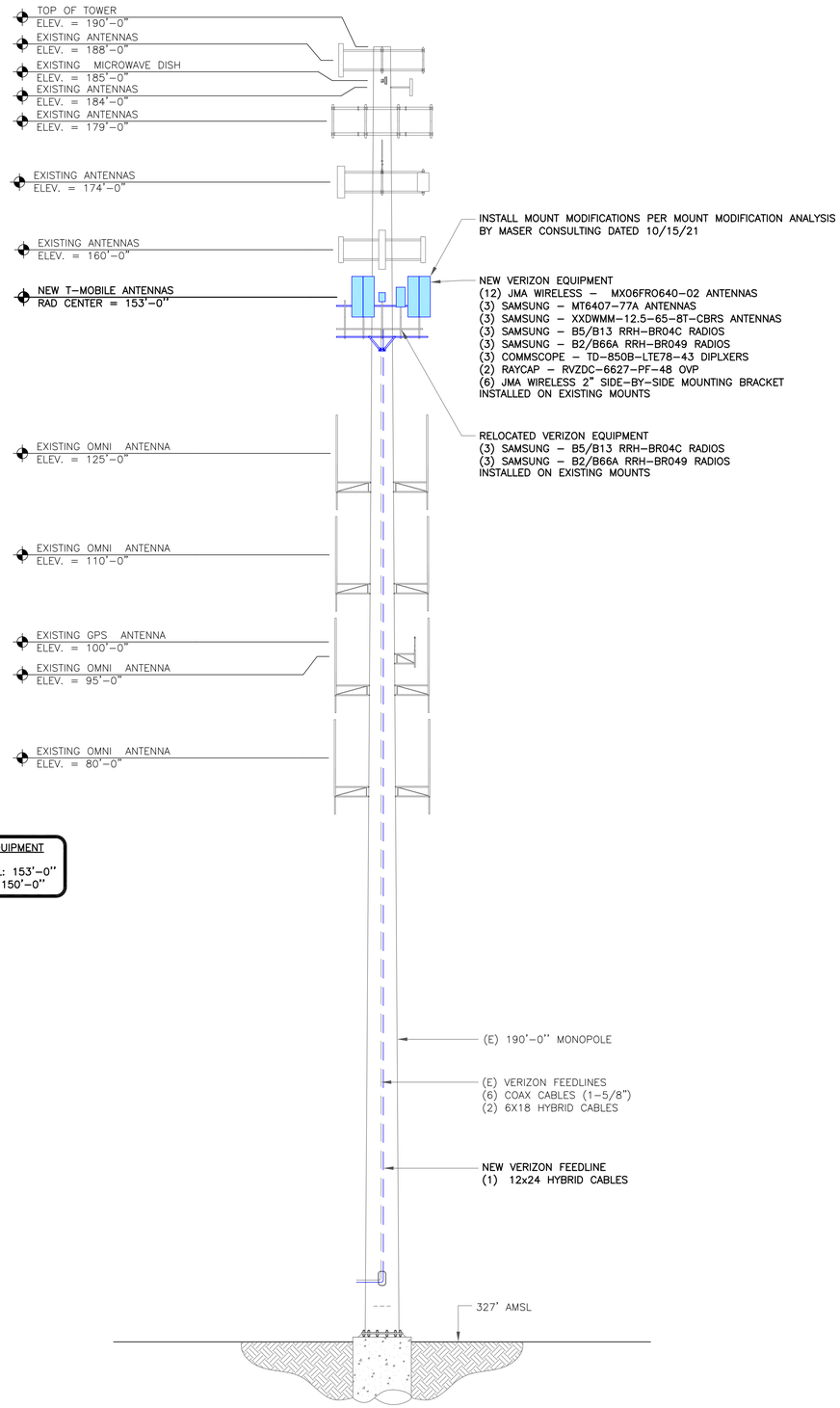
B&T ENGINEERING, INC.
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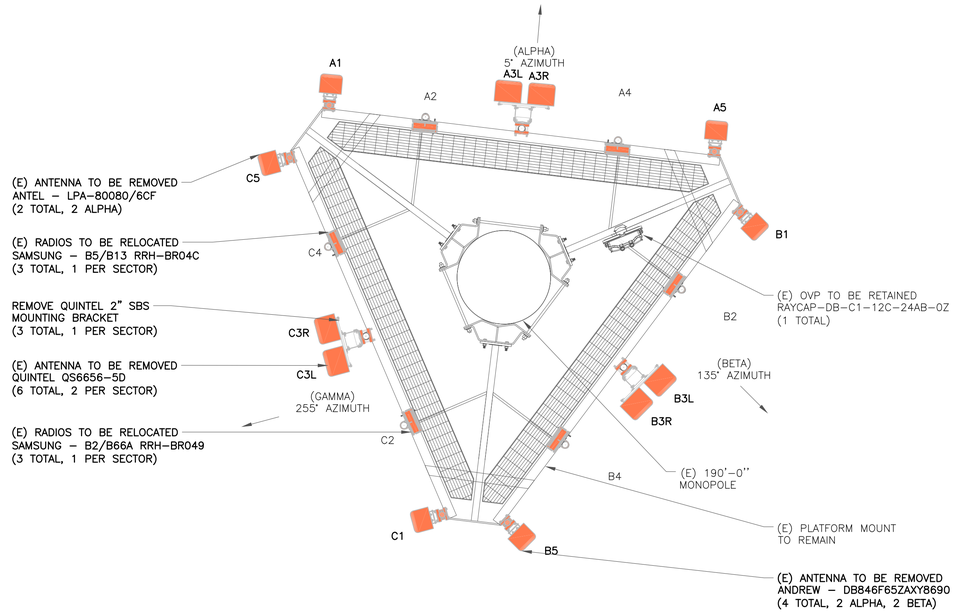
SHEET NUMBER: C-1

REVISION: 0

136353.013.01_WESTON RT57 NOR.dwg – Sheet:C-1 – User: yxiong – Nov 11, 2021 – 7:31am

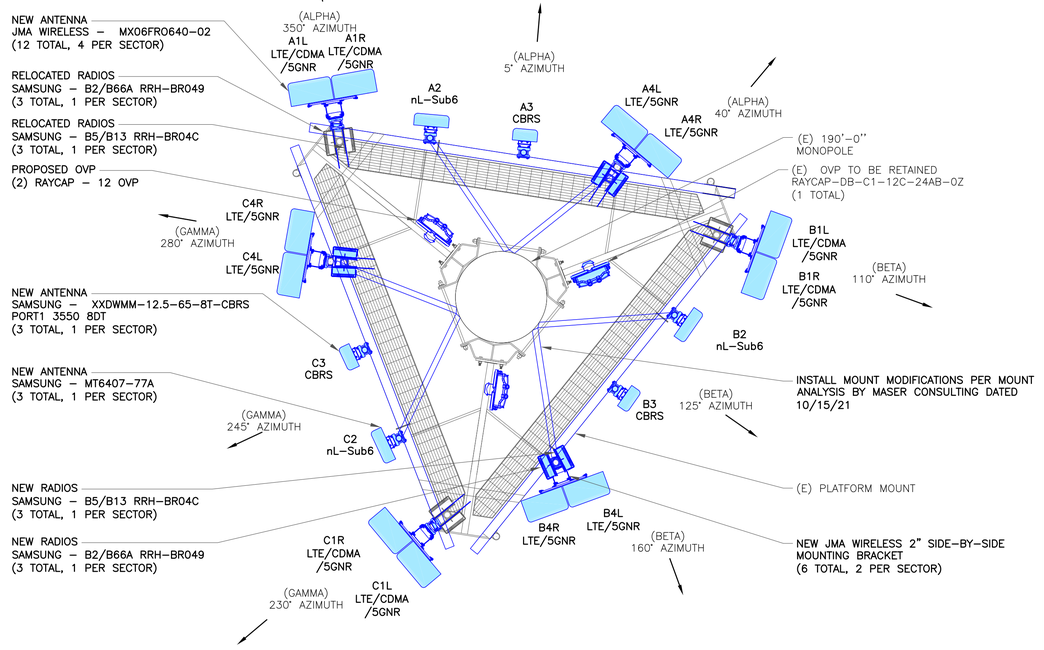


1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

N



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

N

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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
A1L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	350°	0°	4°/4°/4°/4°/2°/2°	SAMSUNG	(1)B5/B13 RRH-BR04C
A1R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	350°	0°	4°/4°/4°/4°/2°/2°	SAMSUNG	(1)B2/B66A RRH-BR049
A2	NEW	SAMSUNG	MT6407-77A	153'-0''	5°	0°	6°	–	–
A3	NEW	SAMSUNG	XXDWMM-12.5-65-8TCBRS	153'-0''	5°	0°	8°	–	–
A4L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	40°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
A4R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	40°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049
B1L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	110°	0°	2°/2°/2°/2°/2°/2°	SAMSUNG	(1)B5/B13 RRH-BR04C
B1R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	110°	0°	2°/2°/2°/2°/2°/2°	SAMSUNG	(1)B2/B66A RRH-BR049
B2	NEW	SAMSUNG	MT6407-77A	153'-0''	125°	0°	6°	OVP	(2) 12-OVP
B3	NEW	SAMSUNG	XXDWMM-12.5-65-8TCBRS	153'-0''	125°	0°	8°	–	–
B4L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	160°	0°	4°/14°/14°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
B4R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	160°	0°	4°/14°/14°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049
C1L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	230°	0°	4°/14°/14°/14°/2°/2°	SAMSUNG	(1)B5/B13 RRH-BR04C
C1R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	230°	0°	4°/14°/14°/14°/2°/2°	SAMSUNG	(1)B2/B66A RRH-BR049
C2	NEW	SAMSUNG	MT6407-77A	153'-0''	245°	0°	6°	–	–
C3	NEW	SAMSUNG	XXDWMM-12.5-65-8TCBRS	153'-0''	245°	0°	8°	–	–
C4L	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	280°	0°	4°/4°/4°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
C4R	NEW	JMA WIRELESS	MX06FRO640-02	153'-0''	280°	0°	4°/4°/4°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	201'-0"±	6
EXISTING	HYBRID	6X12	201'-0"	2
NEW	HYBRID	12x24	201'-0"	1
TOTAL CABLE QTY:				9

2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468910

BU #: **829046**
WESTON/ RT-57/ NORFIELD R

56 NORFIELD RD. (TOWN HALL)
WESTON, CT 06883

EXISTING 190'-0" MONOPOLE

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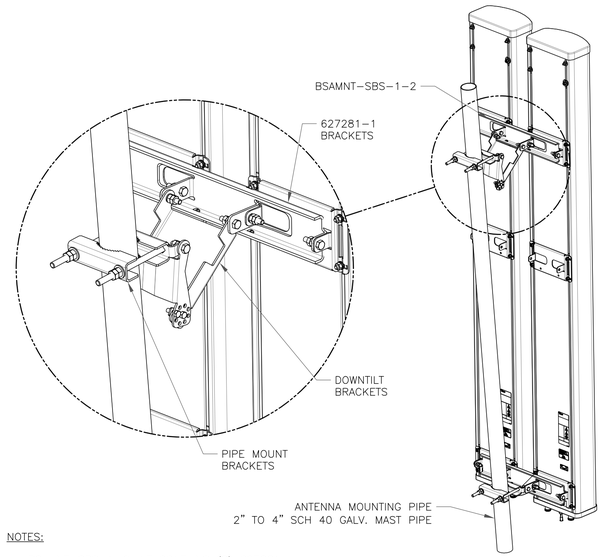
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SHEET NUMBER: C-3

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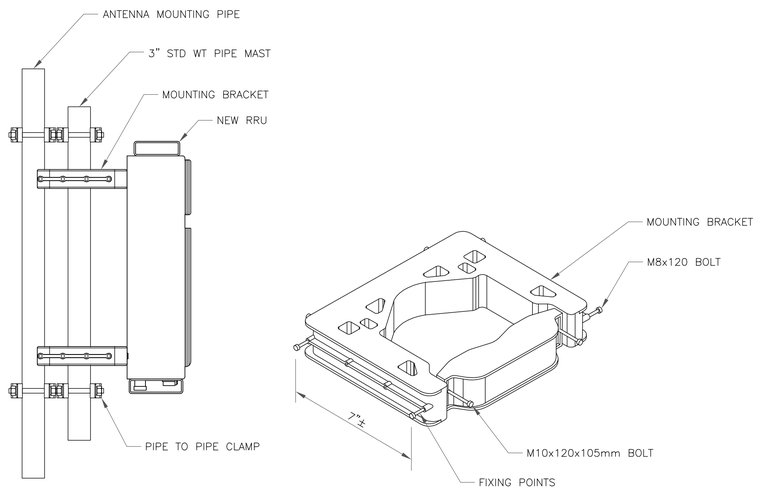


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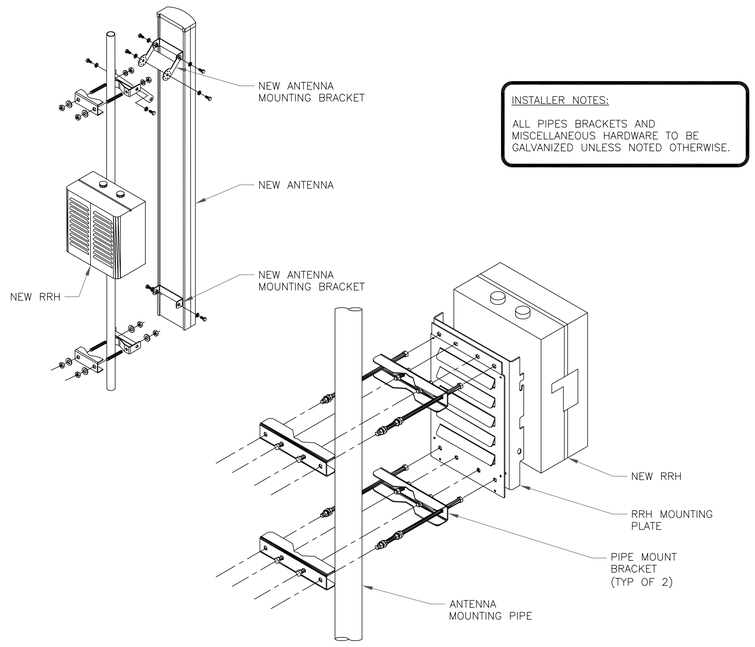
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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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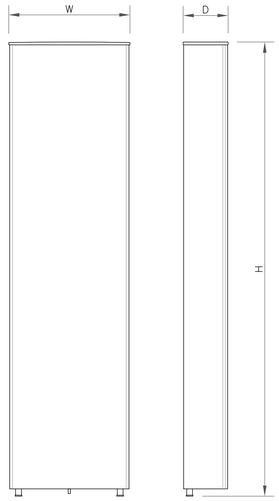
STATE OF CONNECTICUT
No. 23024
LICENSED
PROFESSIONAL ENGINEER
11/09/21

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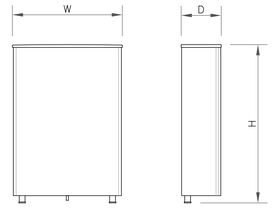
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REVISION: 0

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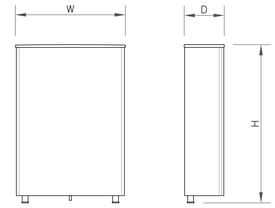
ANTENNA SPECS	
MANUFACTURER	JMA WIRELESS
MODEL #	MX06FRO640-02
WIDTH	19.80"
DEPTH	10.70"
HEIGHT	72.00"
WEIGHT	88.00 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



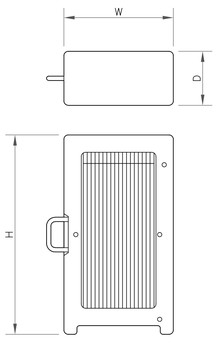
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



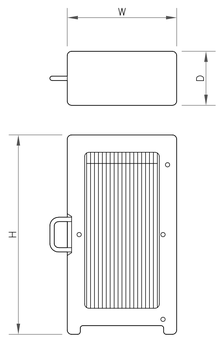
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	XXDWMM-12.5-65-8T-CB RS
WIDTH	11.39"
DEPTH	5.45"
HEIGHT	16.16"
WEIGHT	23.14 LBS

3 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15.00"
DEPTH	8.10"
HEIGHT	15.00"
WEIGHT	70.30 LBS

4 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.00"
DEPTH	10.00"
HEIGHT	15.00"
WEIGHT	84.40 LBS

5 RRU SPECS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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BU #: **829046**
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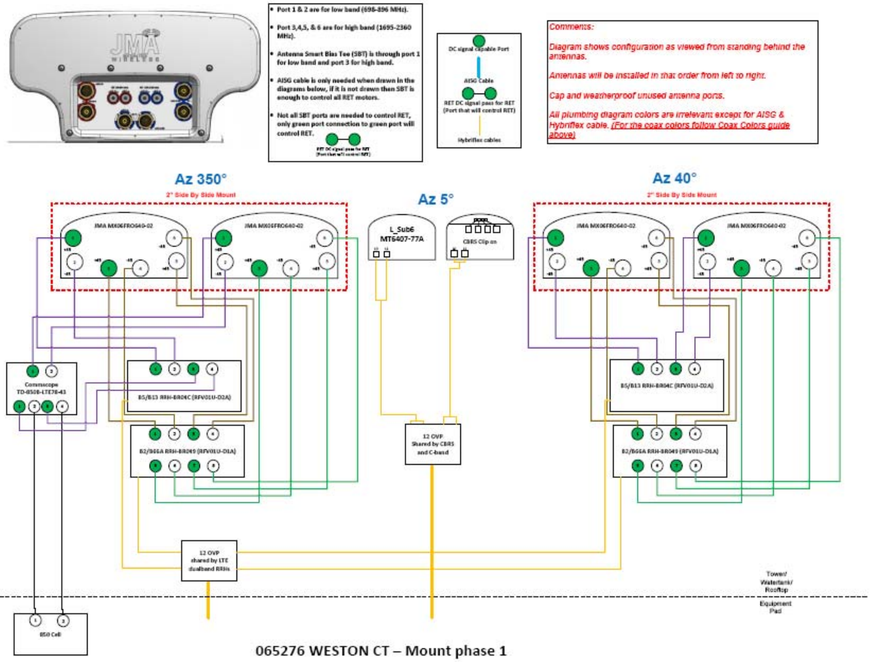
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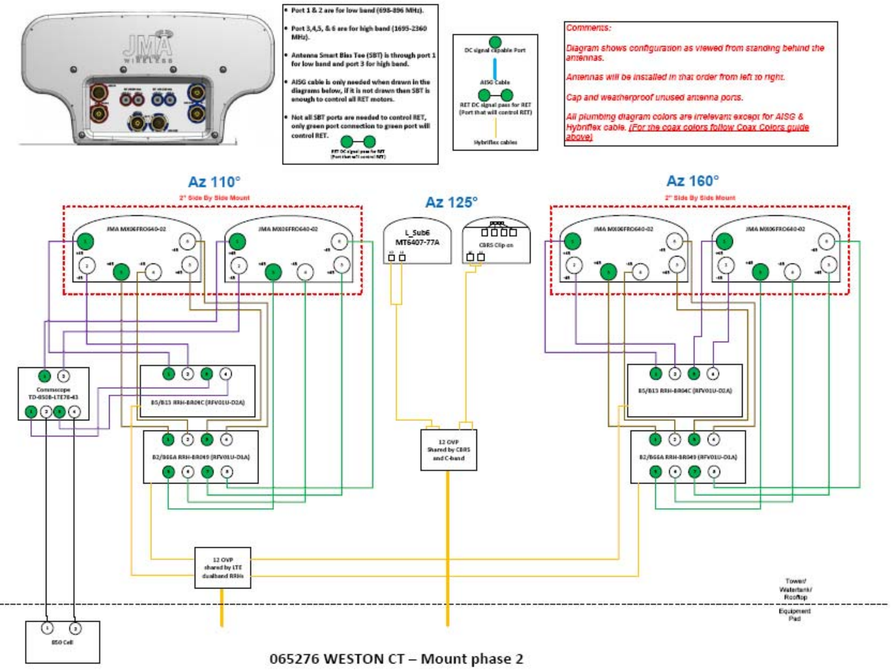
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REVISION: 0

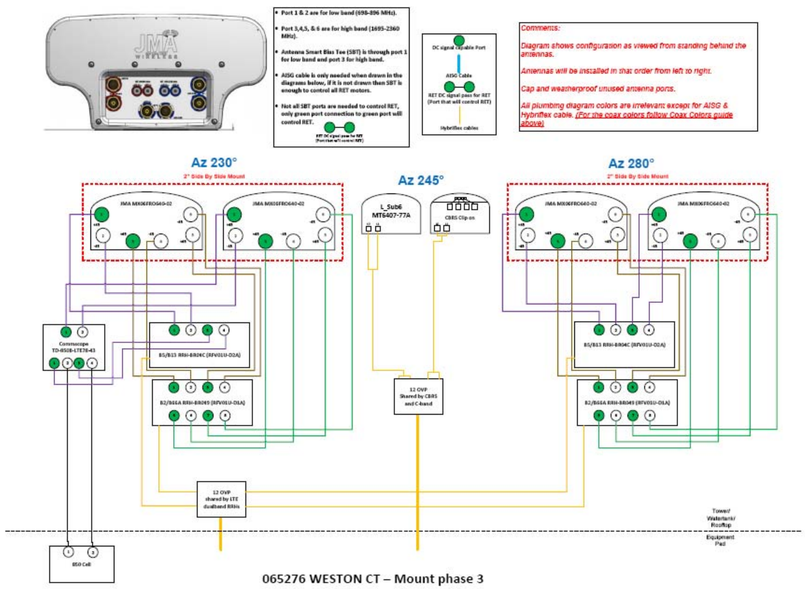
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065276 WESTON CT – Mount phase 1



065276 WESTON CT – Mount phase 2



065276 WESTON CT – Mount phase 3

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
11/09/21

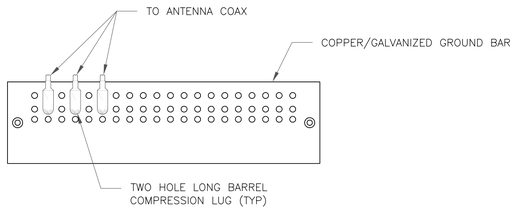
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SHEET NUMBER: C-6

REVISION: 0

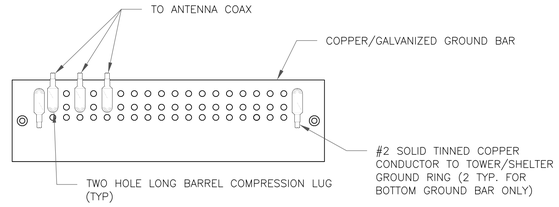
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NOTES:

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.

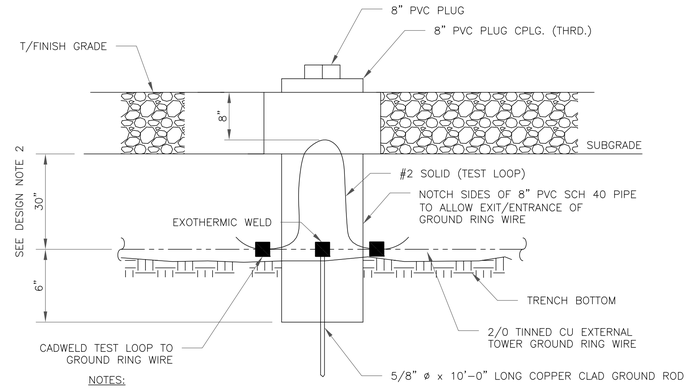
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

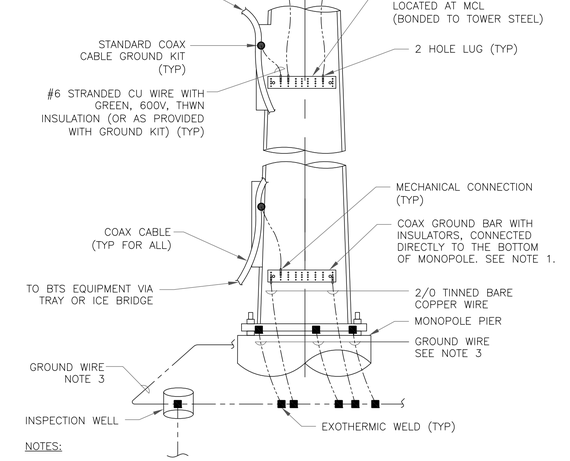
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

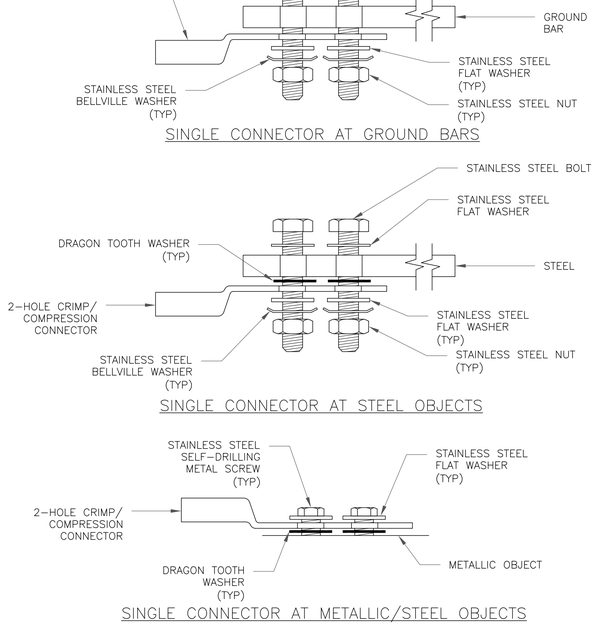
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



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

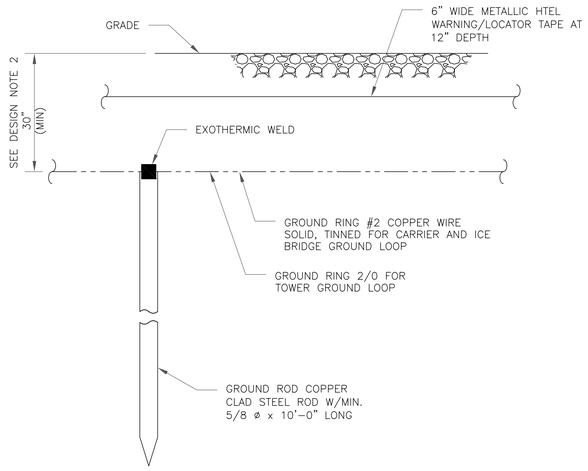


SINGLE CONNECTOR AT GROUND BARS

SINGLE CONNECTOR AT STEEL OBJECTS

SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

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:
468910

BU #: **829046**
WESTON/ RT-57/
NORFIELD R

56 NORFIELD RD. (TOWN HALL)
WESTON, CT 06883

EXISTING 190'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/09/21	GAC	CONSTRUCTION	YXI

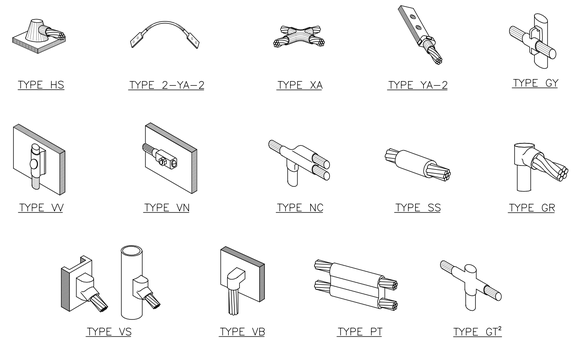


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SHEET NUMBER: G-1
REVISION: 0

136353.013.01_WESTON_RT57_NOR.dwg – Sheet:G-1 – User: yxiong – Nov 11, 2021 – 7:31am

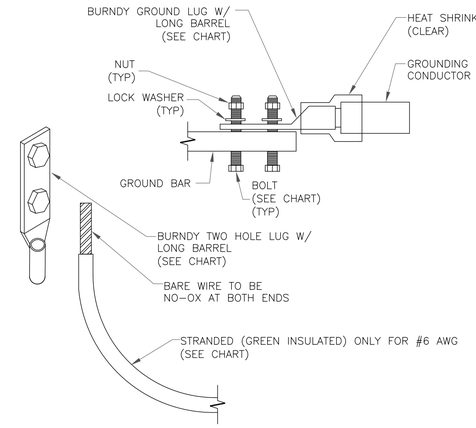


NOTE:

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

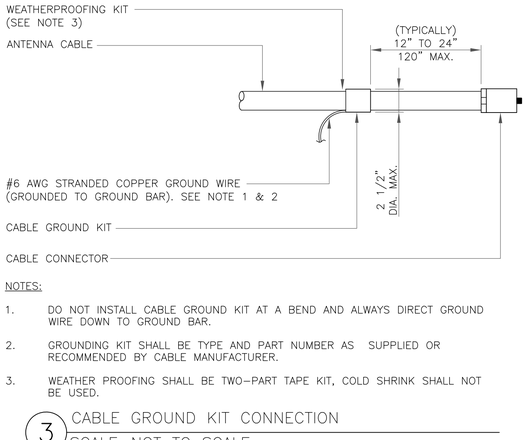
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

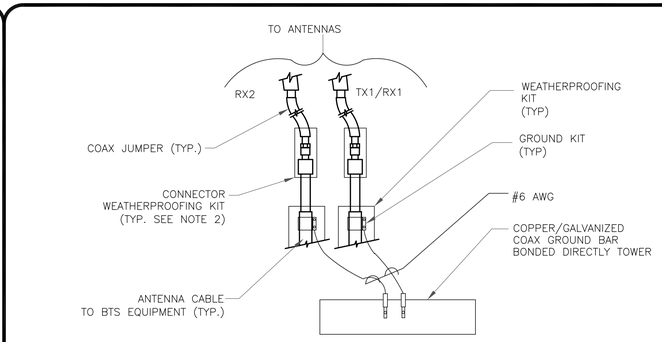
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

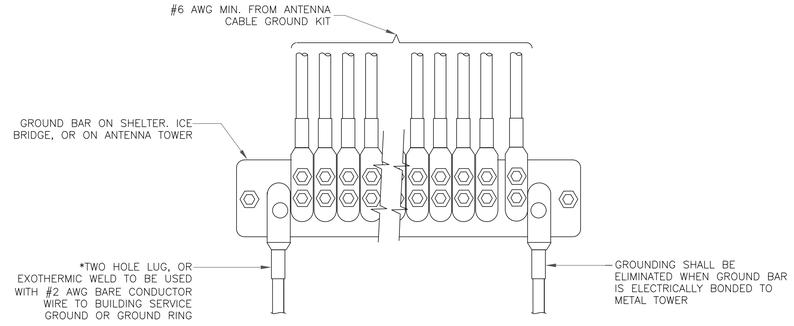
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



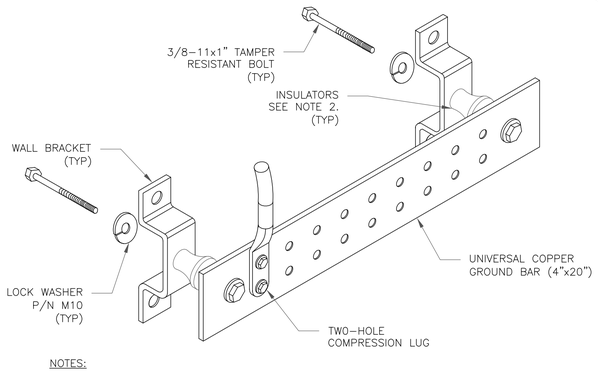
NOTES:

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



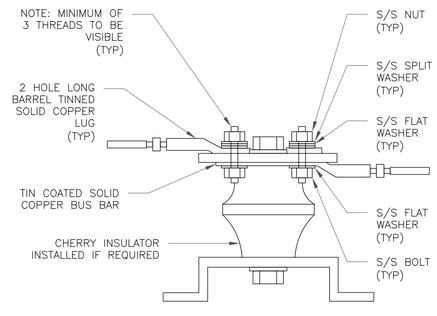
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



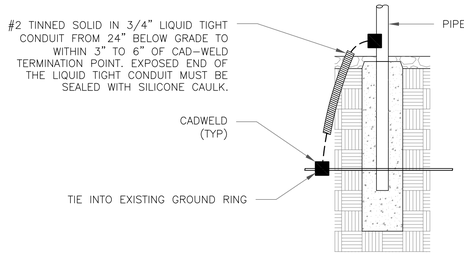
NOTES:

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

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180 WASHINGTON VALLEY ROAD
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CROWN CASTLE
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CLIFTON PARK, NY 12065

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VERIZON SITE NUMBER:
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WESTON/ RT-57/
NORFIELD R

56 NORFIELD RD. (TOWN HALL)
WESTON, CT 06883

EXISTING 190'-0" MONOPOLE

ISSUED FOR:

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SHEET NUMBER: G-2

REVISION: 0

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Maser Consulting Connecticut
2000 Midlantic Drive Suite 100
Mt. Laurel, NJ 08054
856.797.0412
Peter.Albano@maserconsulting.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10107332
Maser Consulting Connecticut Project #: 21781023A

October 15, 2021

Site Information	*Site ID:*	*468910-VZW / WESTON CT*
	Site Name:	*WESTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*56 Norfield Rd* *Weston, Connecticut 06883* *Fairfield County*
	Latitude:	*41.202219°*
	Longitude:	*-73.378889°*
Structure Information	*Tower Type:*	*190-Ft Monopole*
	Mount Type:	*13.75-Ft Platform*

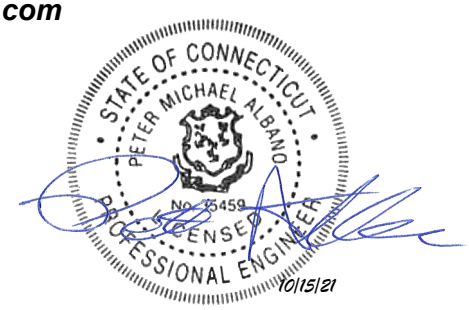
FUZE ID # 16244169

Analysis Results

Platform: **80.5% 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: Abigail Enriquez



MOUNT MODIFICATION DRAWINGS
EXISTING 13.75' PLATFORM

TOWER OWNER: CROWN
TOWER OWNER SITE NUMBER: 829046

CARRIER SITE NAME: WESTON CT
CARRIER SITE NUMBER: 468910
FUZE ID: 16244169

56 NORFIELD RD
WESTON, CT 06883
FAIRFIELD COUNTY

LATITUDE: 41.202219° N
LONGITUDE: 73.378889° W

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DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 327'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .233
LONG TERM MCER GROUND MOTION, S_1 = .056

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO, PE
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10107332
VZW LOCATION CODE (PSLC): 468910
ANALYSIS DATE: 10/15/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	GEOMETRY VERIFICATION SKETCHES
SS-3	MOUNT PHOTOS
	SPECIFICATION SHEETS

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JOB NUMBER: 21781023A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	10/15/21	ISSUED FOR CONSTRUCTION	BAH	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35459
LICENSED PROFESSIONAL ENGINEER
10/15/21
COLLIERS ENGINEERING & DESIGN CT, P.C.
C.T. PEC.0000131

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WESTON, CT 06883
FAIRFIELD COUNTY

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MT. LAUREL
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
Phone: 856.797.0412
COLLIERS ENGINEERING & DESIGN, INC. DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET
SHEET NUMBER: ST-1

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M:\Drafting_Files\21781023A\468910_WESTON_CT_16244169_Mount MOD Drawings.dwg[ST-1] By: BHOFMAN

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	VZWSMART	VZWSMART-PLK6	V-BRACING KIT FOR MONOPOLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	109	327
6		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	180
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
6		VZWSMART-P40-278X174	174" LONG PIPE 2 1/2 SCH40 (2.875" OD x 0.203" THK)		84	504
3		VZWSMART-A-PLK2-01	96" LONG L3X3X1/4	CONTRACTOR SHALL TRIM INTO TWO 48" SECTIONS AND PROTECT CUT ENDS WITH TWO COATS OF ZINGA OR ZINC COTE.	39	117
30		VZWSMART-MSK1	CROSSOVER PLATE		14	420

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	1698

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

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2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
Phone: 856.797.0412
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SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

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PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

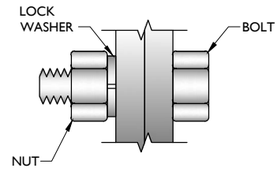
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)				
BOLT DIAMETER	**STANDARD HOLE**	**SHORT SLOT**	**MIN. EDGE DISTANCE**	**SPACING**
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

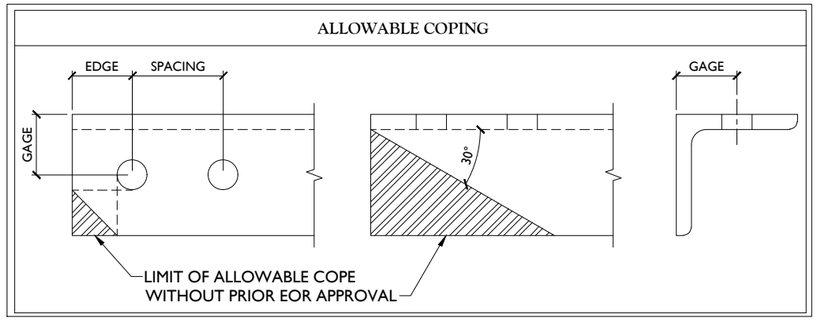
WORKABLE GAGES (IN.)	
LEG	**GAGE**
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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PETER MICHAEL ALBANO
No. 35459
LICENSED PROFESSIONAL ENGINEER
10/15/21
COLLIERS ENGINEERING & DESIGN CT, P.C.
C.T. PC.0000131

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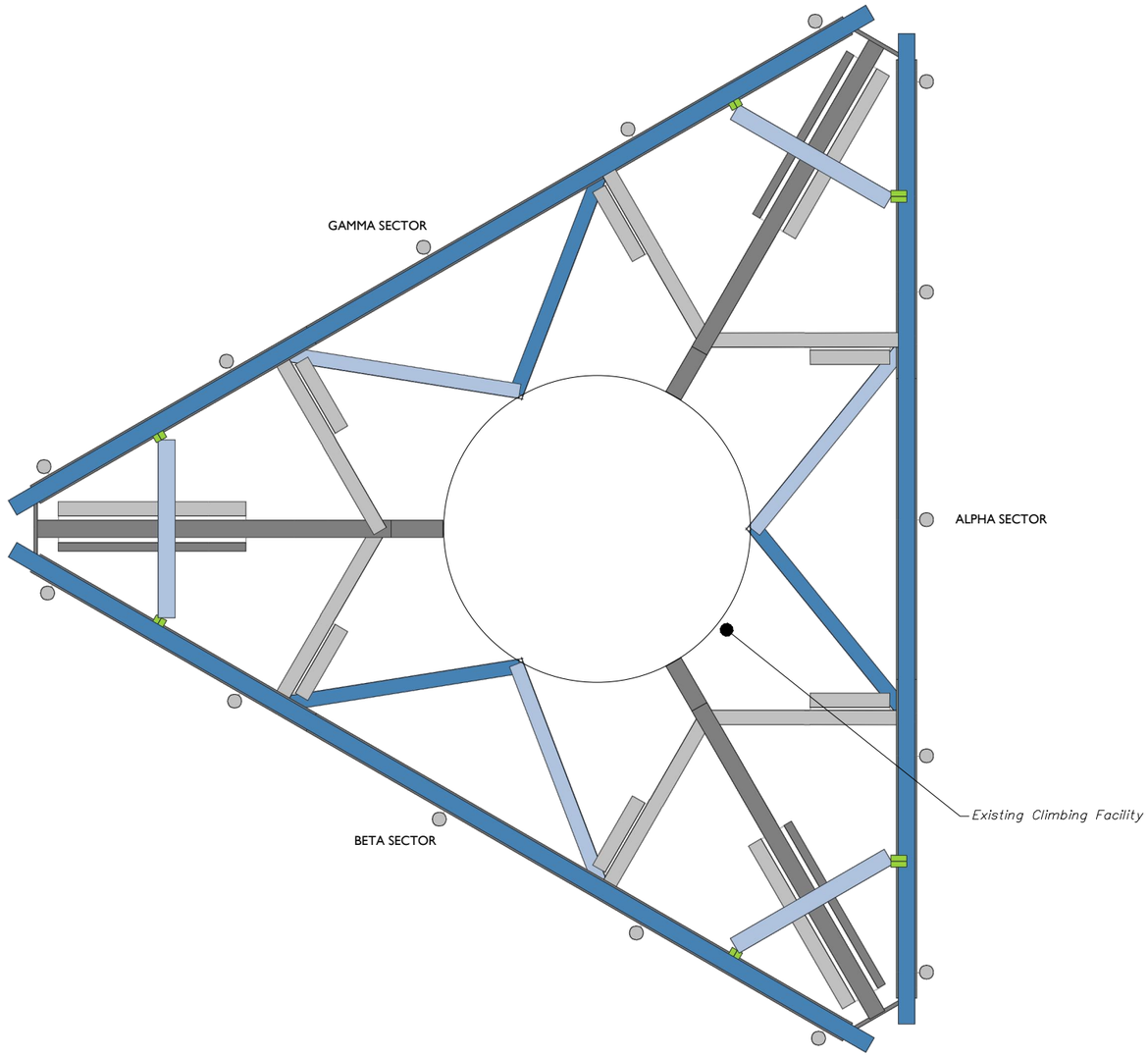
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SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

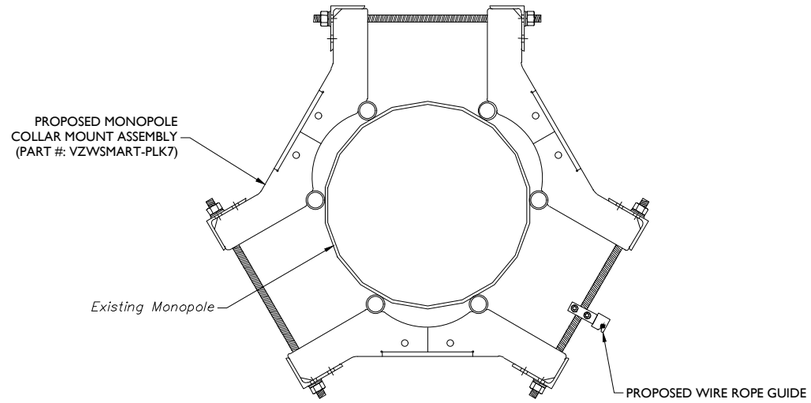
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1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.



CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. CONTRACTOR TO INSPECT CLIMBING FACILITIES AT SITE AND ENSURE THAT THE SAFETY CLIMB IS IN GOOD CONDITION AND THAT THE WIRE ROPE DOES NOT OR WILL NOT INTERFERE WITH THE EXISTING OR PROPOSED MOUNT CONNECTIONS. CONTRACTOR SHALL INSTALL SAFETY CLIMB WIRE ROPE GUIDED AROUND MOUNT CONNECTIONS AS NEEDED.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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No. 35459
PROFESSIONAL ENGINEER
10/15/21

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SHEET TITLE :
CLIMBING FACILITY DETAIL

SHEET NUMBER :
SCF-1

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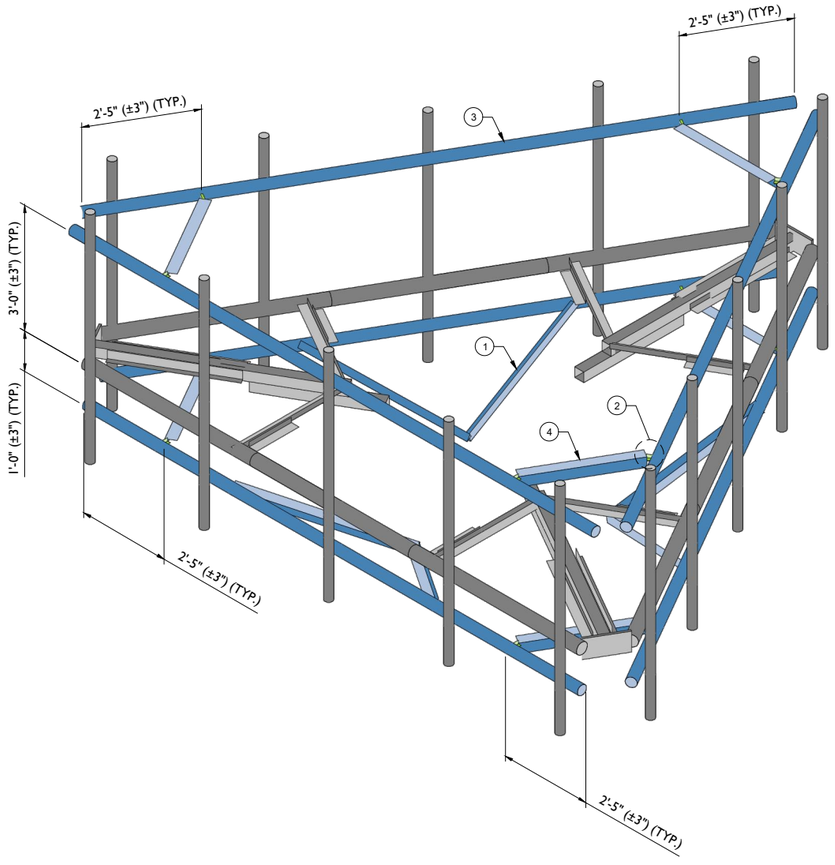
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	153'-0"	3	V-BRACING KIT FOR MONOPOLE (PART #: VZWSMART-PLK6)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1
2		6	SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3)	CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
3		6	SUPPORT RAIL (PART #: VZWSMART-P40-278X174)	CONNECT NEW SUPPORT RAIL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1). RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4		3	SUPPORT RAIL BRACING (PART #: VZWSMART-A-PLK2-01)	CONTRACTOR SHALL TRIM INTO TWO 48" SECTIONS AND PROTECT CUT ENDS WITH TWO COATS OF ZINGA OR ZINC COTE.

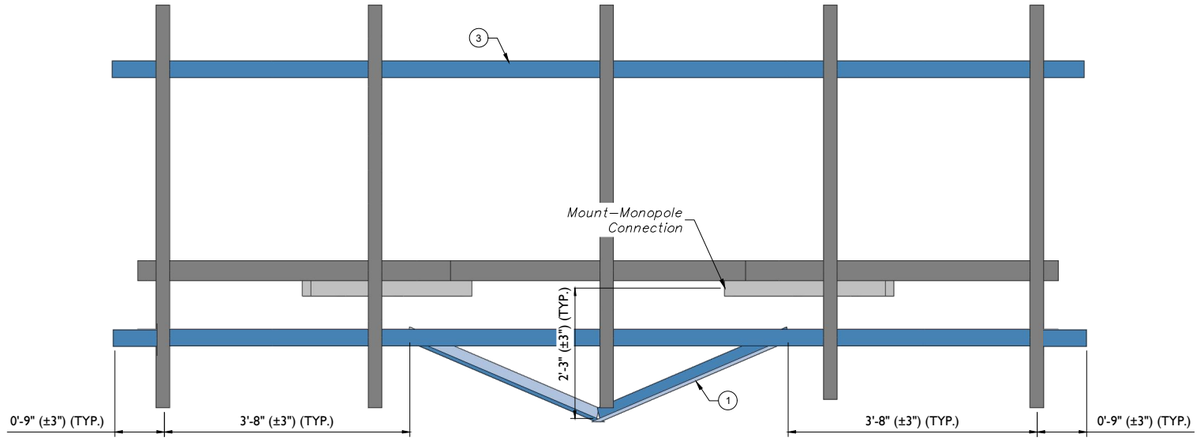
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED FRONT ELEVATION VIEW (TYP. ALL SECTORS)

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SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : SS-1

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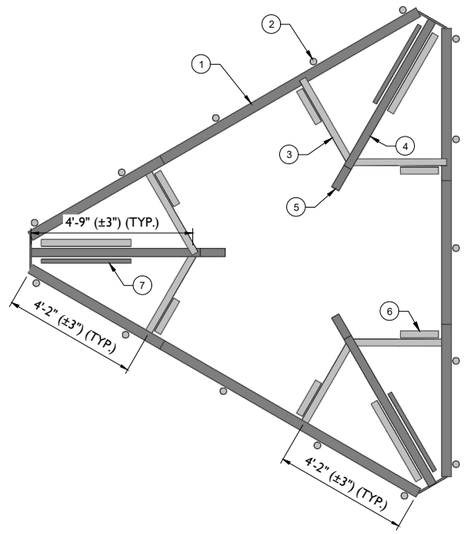
EXISTING MEMBERS				
NO.	DESCRIPTION	SHAPE	NOTES	DEVIATIONS
1.	FACE HORIZONTAL	(2) 56" LONG, P3 STD & (1) 52.82" LONG, P3 STD	TYP. OF 3, 1 PER SECTOR	
2.	MOUNT PIPE	72" LONG, P2 STD	TYP. OF 15, 5 PER SECTOR	
3.	BRACING	36" LONG, L2.5x1.5x1/4	TYP. OF 6, 2 PER SECTOR	
4.	STANDOFF	60" LONG, HSS3X3X1/16	TYP. OF 3, 1 PER SECTOR	
5.	STANDOFF	33.25" LONG, HSS3X3X3/8x	TYP. OF 3, 1 PER SECTOR	
6.	BRACING	14" LONG, L2.5x1.5x1/4	TYP. OF 6, 2 PER SECTOR	
7.	BRACING	33" LONG, L2.5x1.5x1/4	TYP. OF 6, 2 PER SECTOR	

NOTE:
LIST ALL MEMBER SIZE DEVIATIONS IN PROVIDED COLUMN. DIMENSION DEVIATIONS SHALL BE DOCUMENTED ON SKETCHES.

STANDARD PIPE DIMENSIONS				
PIPE SIZE	O.D. (IN.)	THICKNESS (IN.)		
		STD	XSTR	XXSTR
P1 1/2	1.900	0.145	0.200	0.400
P2	2.375	0.154	0.218	0.436
P2 1/2	2.875	0.203	0.276	0.552
P3	3.500	0.216	0.300	0.600
P3 1/2	4.000	0.226	0.318	0.636
P4	4.500	0.237	0.337	0.674
P4 1/2	5.000	0.247	0.355	0.710
P5	5.563	0.258	0.375	0.750
P6	6.625	0.280	0.432	0.864

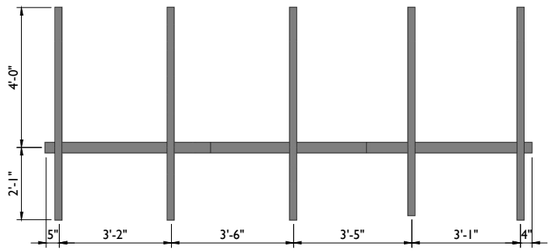
NOTE:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION. THE CONTRACTOR SHALL STOP CONSTRUCTION IF ANY VARIATIONS OR DEVIATIONS ARE FOUND AND OBTAIN APPROVAL TO PROCEED FROM EOR.



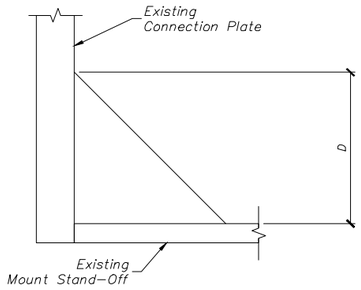
1 EXISTING MOUNT GEOMETRY VERIFICATION PLAN VIEW

SCALE : N.T.S.



2 EXISTING MOUNT GEOMETRY VERIFICATION FRONT ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

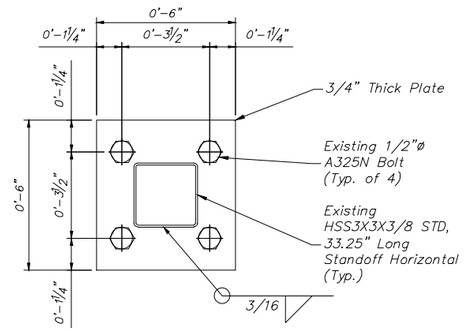


WELD MEASUREMENT NOTE:

CONTRACTOR SHALL MEASURE WELD SIZE 'D'
AS SHOWN IN THIS DETAIL.

4 WELD MEASUREMENT DETAIL

SCALE : N.T.S.



NOTE:

REFER TO WELD MEASUREMENT DETAIL FOR DIRECTIONS ON OBTAINING WELD MEASUREMENTS.

3 MOUNT CONNECTION DETAIL

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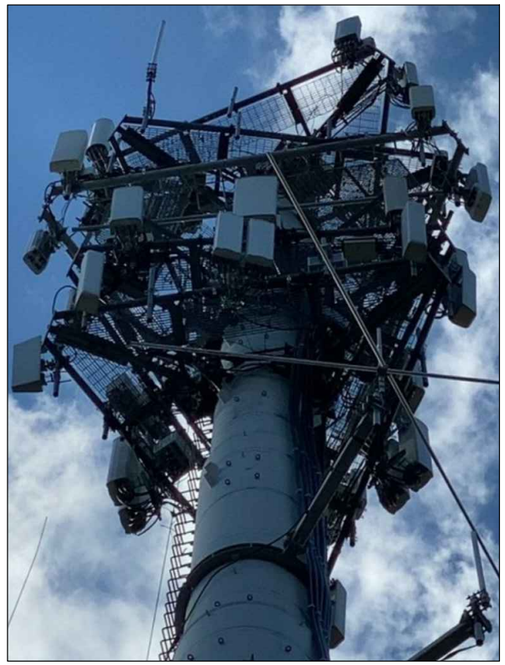
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SHEET TITLE :
GEOMETRY VERIFICATION SKETCHES

SHEET NUMBER :
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MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4

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STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35459
LICENSED PROFESSIONAL ENGINEER
10/15/21

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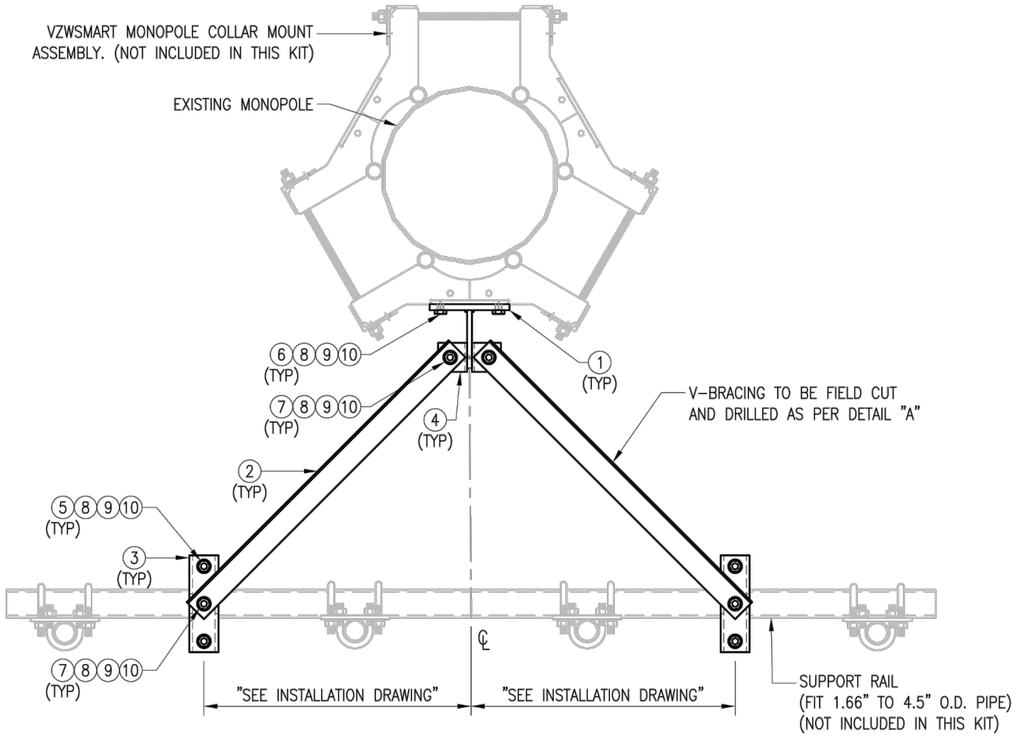
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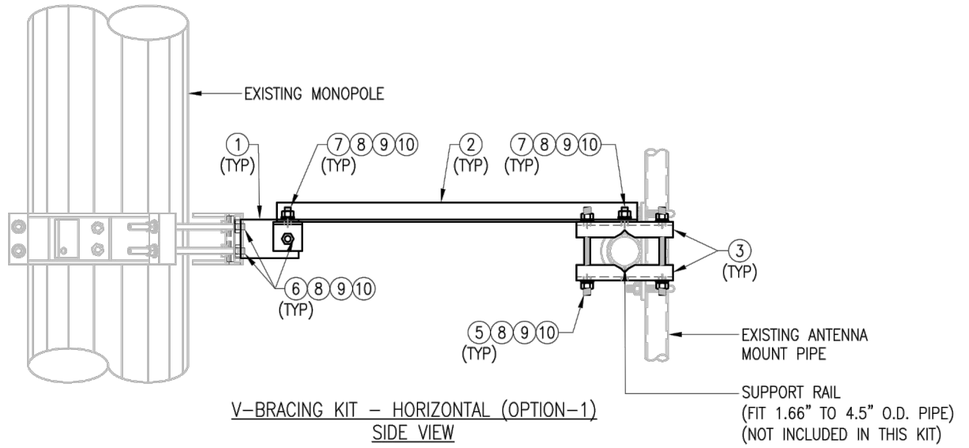
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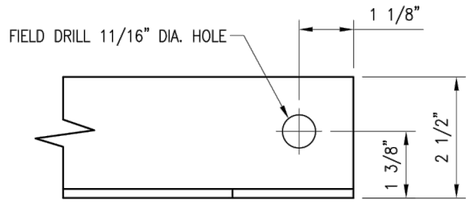
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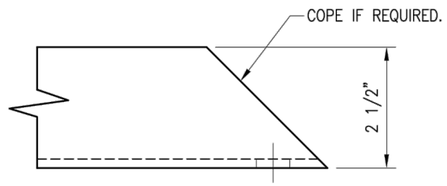
V-BRACING KIT FOR MONOPOLE
PLAN VIEW



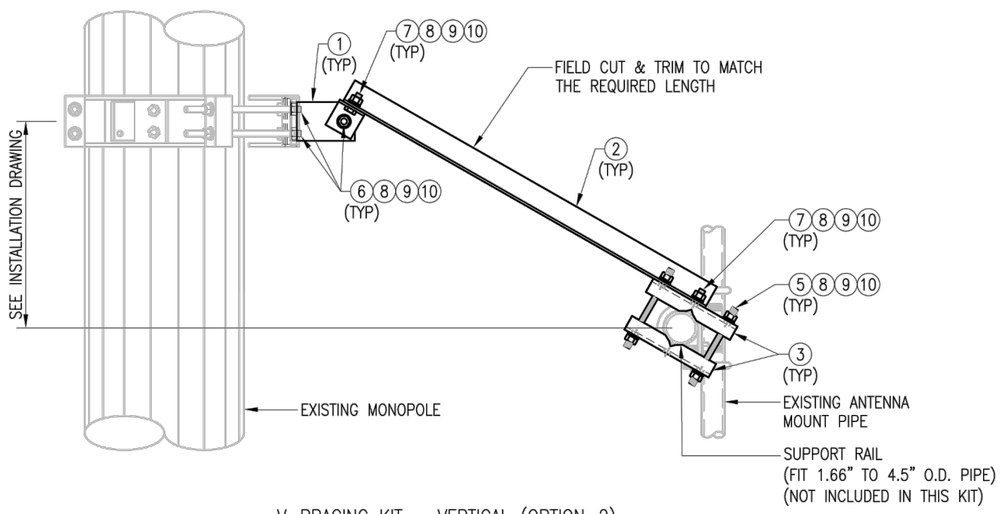
V-BRACING KIT - HORIZONTAL (OPTION-1)
SIDE VIEW



PLAN VIEW



FRONT VIEW
DETAIL "A"



V-BRACING KIT - VERTICAL (OPTION-2)
SIDE VIEW

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK6 (V-BRACING KIT FOR MONOPOLE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	BRKW-6A	WELDMENT BRACKET	PLK6-F1	16
2	2	L252525-8	L 2 1/2" X 2 1/2" X 1/4" X 8'-0" A36	PLK6-F2	67
3	4	BP6875-10	PL 3/8" X 6 7/8" X 10" A36 BENT PLATE	PLK6-F2	20
4	2	AL-333	L 3" X 3" X 1/4" X 3" A36	PLK6-F2	3
5	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	--
6	5	---	BOLT 5/8" X 2 1/4" A325	---	--
7	4	---	BOLT 5/8" X 1 3/4" A325	---	--
8	17	FW-625	5/8" HDG USS FLAT WASHER	---	2
9	17	LW-625	5/8" HDG LOCK WASHER	---	0
10	17	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	109

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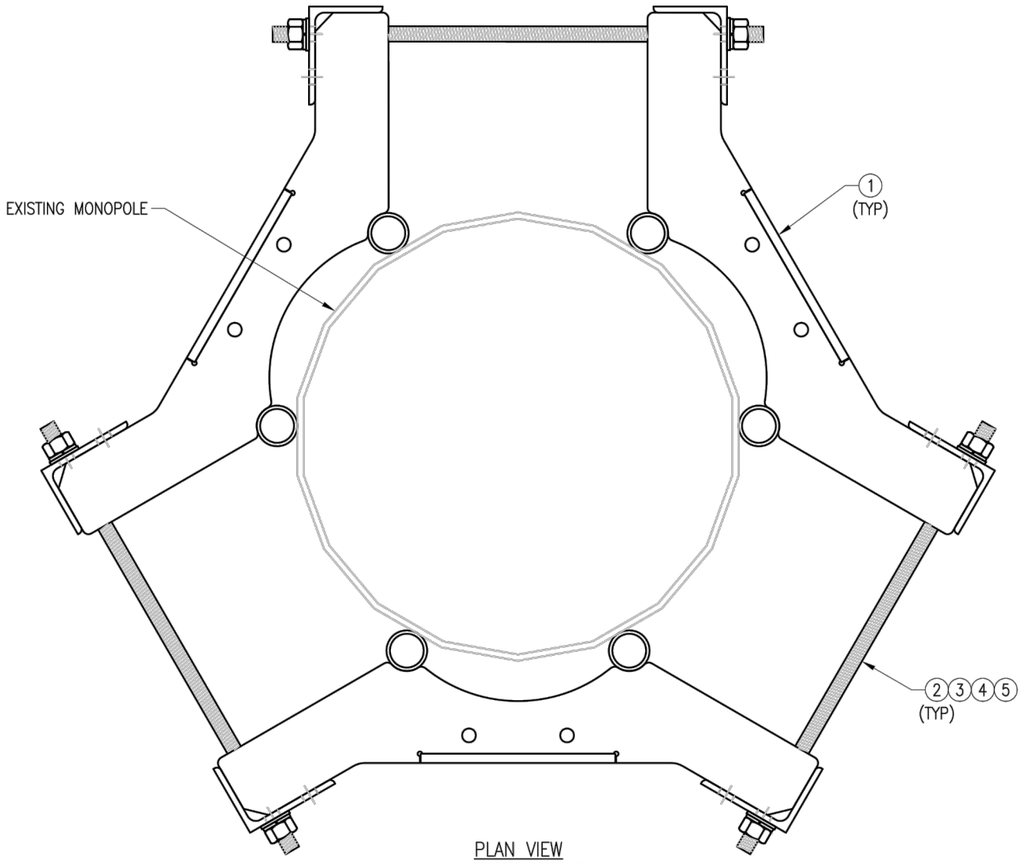
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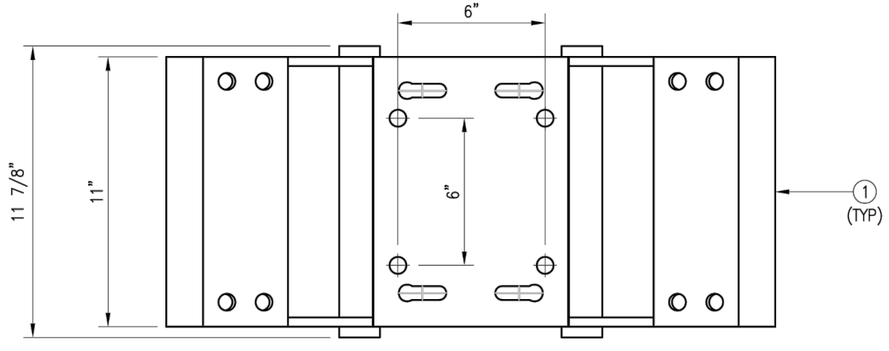
SHEET TITLE:
VZWSMART-PLK6
V-BRACING KIT FOR MONOPOLE

SHEET NUMBER: VZWSMART-PLK6

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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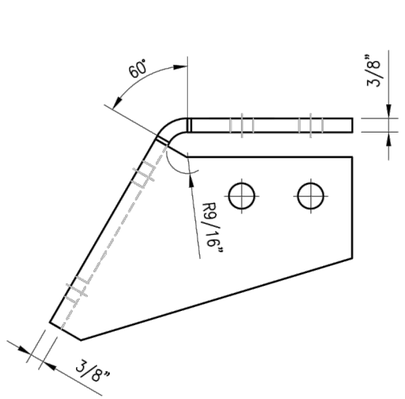
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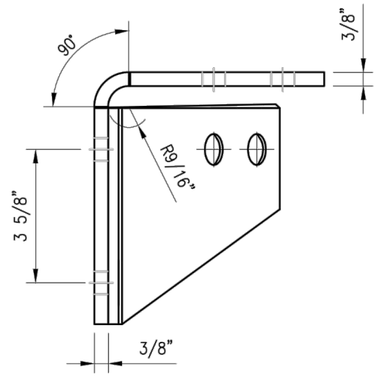
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VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0

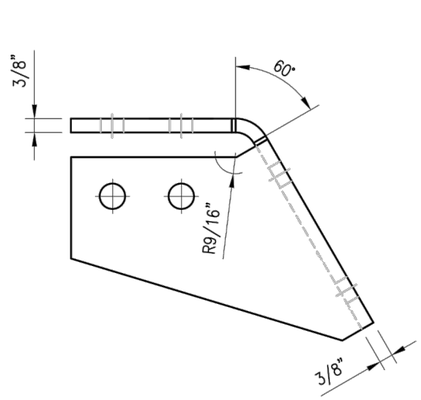


TOP VIEW

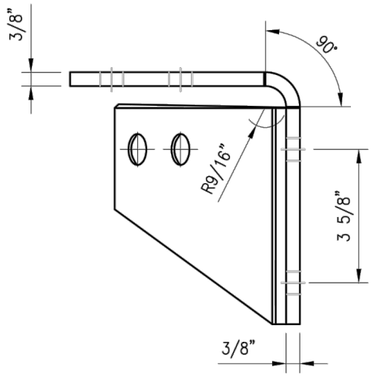


SIDE VIEW

CBP–L



TOP VIEW



SIDE VIEW

CBP–R

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

VZWSMART–PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP–L	CORNER BENT PLATE BRACKET	PLK3–F1	9
2	1	CBP–R	CORNER BENT PLATE BRACKET	PLK3–F1	9
3	4	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW–625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW–625	5/8" HDG LOCK WASHER	---	0
7	16	NUT–625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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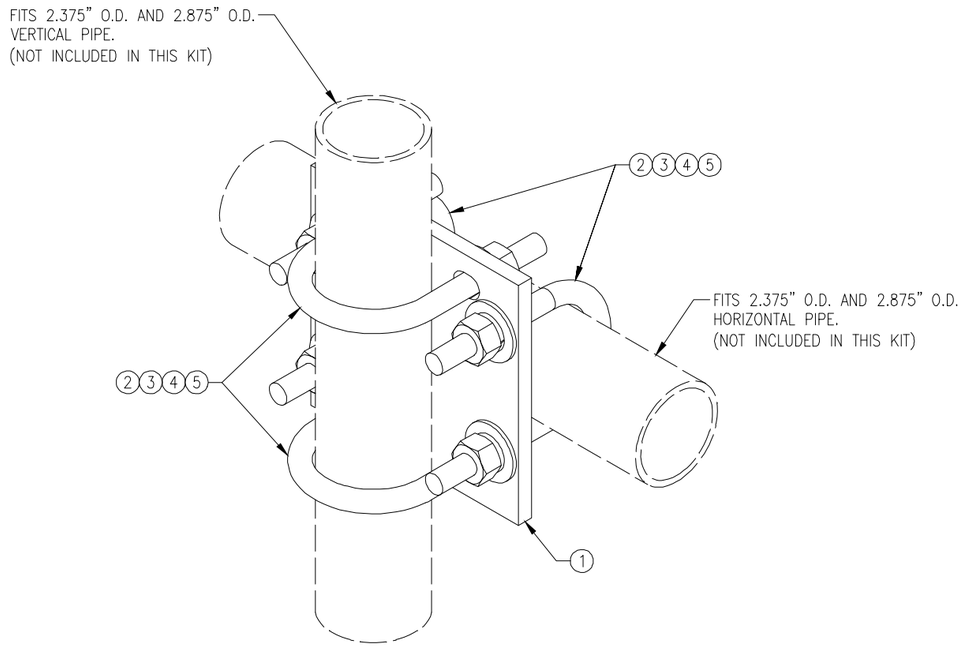
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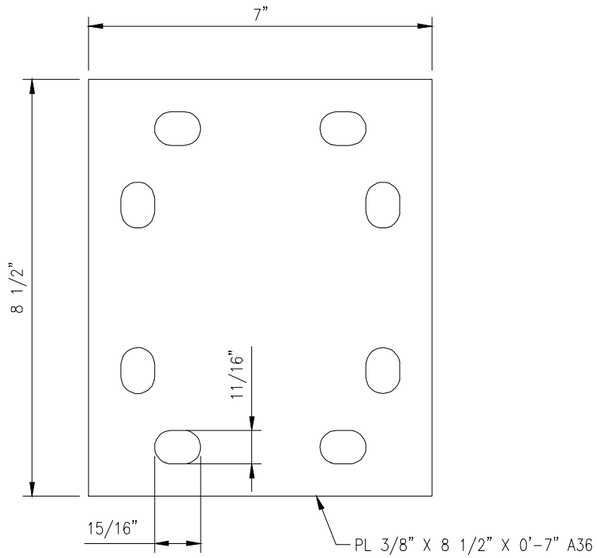
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0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK3
SUPPORT RAIL CORNER
BRACKET

SHEET NUMBER: VZWSMART–PLK3

REV #: 0





PL375-857

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

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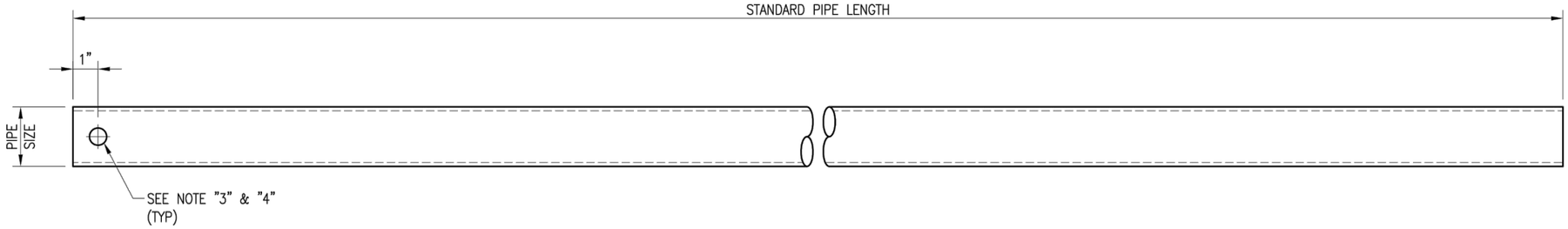
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0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53–B OR BETTER.
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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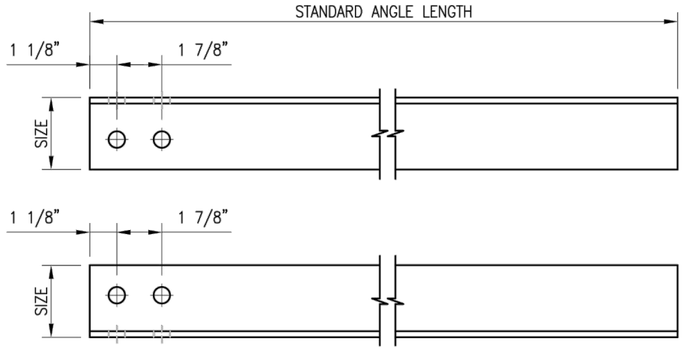
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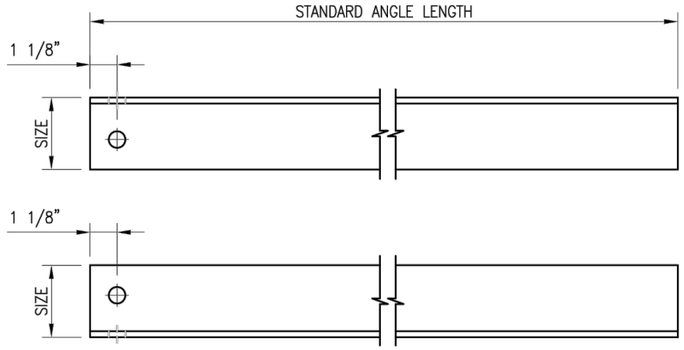
VZWSMART STANDARD PIPE

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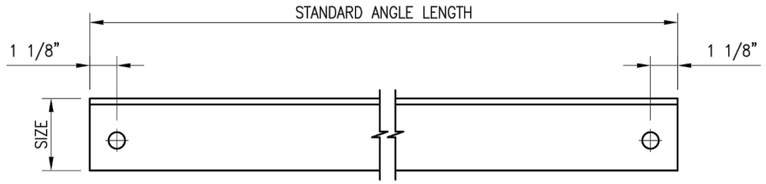
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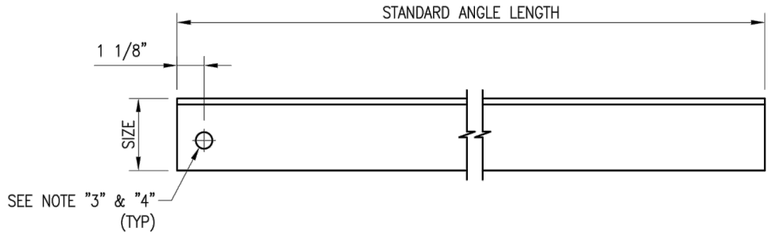
HOLE STYLE "A"



HOLE STYLE "B"



HOLE STYLE "C"



HOLE STYLE "D"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION ANGLES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL ANGLE GRADE A36 OR BETTER.
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VZWSMART Standard Angle					
VZWSMART Number	Size	Length	Hole Style	Hole Gage	Also Used In:
A-PLK2-01	L 3" X 3" X 1/4"	96"	A	1-3/4"	VZWSMART-PLK2
A-PLK5-01	L 3"X 3" X 3/16"	96"	B	1-3/4"	VZWSMART-PLK5
A-SFK3-01	L 2-1/2" X 2-1/2" X 1/4"	96"	C	1-3/8"	VZWSMART-SFK3,-SFK3-SL, -PLK6, & -PLK8
A-L25X25X4X120	L 2-1/2" X 2-1/2" X 1/4"	120"	D	1-5/16"	
A-L25X25X4X240	L 2-1/2" X 2-1/2" X 1/4"	240"	D	1-5/16"	
A-L30X30X4X120	L 3" X 3" X 1/4"	120"	D	1-1/2"	
A-L30X30X4X240	L 3" X 3" X 1/4"	240"	D	1-1/2"	
A-L40X40X4X120	L 4" X 4" X 1/4"	120"	D	2"	
A-L40X40X4X240	L 4" X 4" X 1/4"	240"	D	2"	
A-L50X30X6X120	L 5" X 3" X 3/8"	120"	D	2-1/2"	
A-L50X50X6X120	L 5" X 5" X 3/8"	120"	D	2-1/2"	

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REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART
STANDARD ANGLE

SHEET NUMBER: VZWSMART–ANGLE

REV #: 0

Exhibit D

Structural Analysis Report

Date: **October 13, 2021**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468910
	Site Name:	WESTON CT
Crown Castle Designation:	**BU Number:**	829046
	Site Name:	Weston/ Rt-57/ Norfield R
	JDE Job Number:	685654
	Work Order Number:	2032261
	Order Number:	585541 Rev. 5
Engineering Firm Designation:	**B+T Group Project Number:**	136353.012.01
Site Data:	**56 Norfield Rd. (Town Hall), Weston, Fairfield County, CT**	
	Latitude *41° 12' 8.4"*, Longitude *-73° 22' 46.6"*	
	190 Foot - Monopole	

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

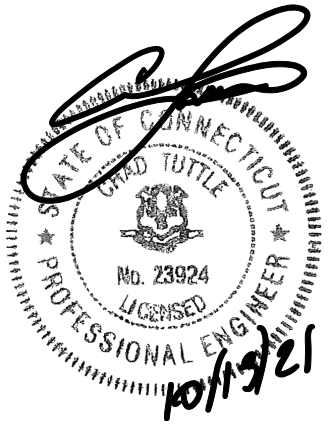
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity- 88.0%**

This analysis utilizes an ultimate 3-second gust wind speed of 117 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Clint Coody

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

2) ANALYSIS CRITERIA
Table 1 - Proposed Equipment Configuration
Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE
Table 3 - Documents Provided
3.1) Analysis Method
3.2) Assumptions

4) ANALYSIS RESULTS
Table 4 - Section Capacity (Summary)
Table 5 - Tower Component Stresses vs. Capacity
4.1) Recommendations

5) APPENDIX A
tnxTower Output

6) APPENDIX B
Base Level Drawing

7) APPENDIX C
Additional Calculations

1) INTRODUCTION

This tower is a 190 ft. Monopole tower designed by Pirod.

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:	117 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
150.0	153.0	3	Commscope	TD-850B-LTE78-43	9	1-5/8
		12	JMA Wireless	MX06FRO640-02		
	152.0	2	Raycap	RVZDC-6627-PF-48		
		6	Samsung Telecom.	RFV01U-D1A		
		6	Samsung Telecom.	RFV01U-D2A		
	151.0	3	Samsung Telecom.	CBRS		
		3	Samsung Telecom.	MT6407-77A		
	150.0	6	JMA	Mount Bracket		
		1	--	Platform Mount [LP 403-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
188.0	193.0	1	RFS Celwave	PD201-7	1	5/16
	187.0	1	Radiowaves	SP2-5.8	1 1	7/8 5/8
	190.0	3	Alcatel Lucent	TD-RRH8x20-25	4	1-1/4
		3	RFS Celwave	APXVSPP18-C-A20		
		3	RFS Celwave	APXVTM14-ALU-I20		
	188.0	1	--	Platform Mount [LP 403-1]		
185.0	188.0	3	Alcatel Lucent	1900MHz RRH	--	--
		3	Alcatel Lucent	800MHZ RRH		
	185.0	1	--	Side Arm Mount [SO 102-3]		
184.0	184.0	1	--	Side Arm Mount [SO 701-1]	--	--
179.0	185.0	2	RFS Celwave	458-2D	2	7/8
	179.0	1	--	Platform Mount [LP 403-1]		
		2	--	Side Arm Mount [SO 301-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
170.0	174.0	1	RFS Celwave	PD201-7	2	7/8
	170.0	3	Commscope	SDX1926Q-43	10	1-5/8
		3	Ericsson	AIR 32 B2A/B66AA		
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		1	Ericsson	RRUS 11 B12		
		3	Ericsson	RRUS 4415 B25		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		3	--	2”STDx 16’-6” Support Rail		
		1	--	Platform Mount [LP 405-1]		
160.0	163.0	3	CCI Antennas	DMP65R-BU6D	6 6 2	1-5/8 3/4 3/8
		3	CCI Antennas	OPA-65R-LCUU-H6		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 32 B66A		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		6	Kaelus	DBCT108F1V92-1		
		3	Kathrein	80010965		
		2	Raycap	DC6-48-60-18-8C		
		1	Raycap	DC6-48-60-18-8F		
	160.0	1	--	Platform Mount [LP 404-1]		
141.0	141.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	--	Commscope MC-PK8-DSH		
125.0	130.0	1	RFS Celwave	PD128-1	1 1	7/8 1/2
		1	RFS Celwave	PD201-1		
	125.0	2	--	Side Arm Mount [SO 701-1]		
110.0	115.0	2	RFS Celwave	PD128-1	2	1/2
	110.0	2	--	Side Arm Mount [SO 701-1]		
100.0	101.0	1	GPS	GPS_A	1	1/2
	100.0	1	--	Side Arm Mount [SO 702-1]		
95.0	100.0	2	RFS Celwave	PD128-1	2	1/2
	95.0	2	--	Side Arm Mount [SO 701-1]		
80.0	85.0	1	Decibel	DB222	2	1/2
		1	RFS Celwave	PD128-1		
	80.0	2	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	7340070	CCI Sites
Tower Modification Drawing	3667108	CCI Sites
Post Modification Inspection	3673725	CCI Sites
Tower Modification Drawing	3801440	CCI Sites
Post Modification Inspection	5392198	CCI Sites
Foundation Drawing	3755295	CCI Sites
Geotech Report	3529916	CCI Sites
Crown CAD Package	Date: 10/12/2021	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	190 - 185	Pole	TP30x30x0.375	1	-3.436	--	1.3	Pass
L2	185 - 180	Pole	TP30x30x0.375	2	-4.813	--	3.4	Pass
L3	180 - 175	Pole	TP36x36x0.375	3	-7.885	--	4.7	Pass
L4	175 - 170	Pole	TP36x36x0.375	4	-8.811	--	7.0	Pass
L5	170 - 165	Pole	TP36x36x0.375	5	-14.481	--	10.9	Pass
L6	165 - 160	Pole	TP36x36x0.375	6	-15.466	--	14.7	Pass
L7	160 - 155	Pole	TP42x42x0.375	7	-21.818	--	16.2	Pass
L8	155 - 150	Pole	TP42x42x0.375	8	-23.008	--	20.6	Pass
L9	150 - 145	Pole	TP42x42x0.375	9	-29.810	--	27.5	Pass
L10	145 - 140	Pole	TP42x42x0.375	10	-34.195	--	34.0	Pass
L11	140 - 135	Pole	TP48x48x0.375	11	-35.613	--	32.0	Pass
L12	135 - 130	Pole	TP48x48x0.375	12	-37.036	--	37.4	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L13	130 - 125	Pole	TP48x48x0.375	13	-38.466	--	43.0	Pass
L14	125 - 120	Pole	TP48x48x0.375	14	-40.077	--	48.7	Pass
L15	120 - 115	Pole	TP54x54x0.375	15	-41.653	--	43.7	Pass
L16	115 - 112.67	Pole	TP54x54x0.375	16	-42.389	--	45.9	Pass
L17	112.67 - 112.42	Pole + Reinf.	TP54x54x0.4875	17	-42.490	--	35.2	Pass
L18	112.42 - 107.42	Pole + Reinf.	TP54x54x0.4875	18	-44.612	--	38.9	Pass
L19	107.42 - 103.33	Pole + Reinf.	TP54x54x0.4875	19	-46.193	--	41.9	Pass
L20	103.33 - 103.08	Pole + Reinf.	TP54x54x0.4875	20	-46.292	--	42.1	Pass
L21	103.08 - 100	Pole + Reinf.	TP54x54x0.4875	21	-47.484	--	44.5	Pass
L22	100 - 95	Pole + Reinf.	TP60x60x0.475	22	-49.606	--	40.7	Pass
L23	95 - 90	Pole + Reinf.	TP60x60x0.475	23	-51.885	--	44.0	Pass
L24	90 - 89.5	Pole + Reinf.	TP60x60x0.475	24	-52.095	--	44.4	Pass
L25	89.5 - 89.25	Pole + Reinf.	TP60x60x0.5563	25	-52.214	--	38.4	Pass
L26	89.25 - 85.5	Pole + Reinf.	TP60x60x0.5563	26	-54.005	--	40.6	Pass
L27	85.5 - 85.25	Pole + Reinf.	TP60x60x0.6375	27	-54.168	--	35.8	Pass
L28	85.25 - 84	Pole + Reinf.	TP60x60x0.6375	28	-54.943	--	36.5	Pass
L29	84 - 83.75	Pole + Reinf.	TP60x60x0.525	29	-55.073	--	43.7	Pass
L30	83.75 - 82.5	Pole + Reinf.	TP60x60x0.525	30	-55.704	--	44.5	Pass
L31	82.5 - 82.25	Pole + Reinf.	TP60x60x0.45	31	-55.822	--	52.3	Pass
L32	82.25 - 80	Pole + Reinf.	TP60x60x0.45	32	-56.842	--	54.0	Pass
L33	80 - 75	Pole + Reinf.	TP60x60x0.575	33	-59.817	--	44.4	Pass
L34	75 - 70	Pole + Reinf.	TP60x60x0.575	34	-62.309	--	47.4	Pass
L35	70 - 65	Pole + Reinf.	TP60x60x0.575	35	-64.895	--	50.5	Pass
L36	65 - 60	Pole + Reinf.	TP60x60x0.575	36	-68.052	--	53.7	Pass
L37	60 - 58.5	Pole + Reinf.	TP60x60x0.7	37	-69.084	--	45.1	Pass
L38	58.5 - 58.25	Pole	TP60x60x0.625	38	-69.249	--	49.4	Pass
L39	58.25 - 53.25	Pole	TP60x60x0.625	39	-72.431	--	52.3	Pass
L40	53.25 - 48.25	Pole	TP60x60x0.625	40	-75.137	--	55.2	Pass
L41	48.25 - 48	Pole + Reinf.	TP60x60x0.775	41	-75.302	--	45.1	Pass
L42	48 - 43	Pole + Reinf.	TP60x60x0.775	42	-79.184	--	47.6	Pass
L43	43 - 40	Pole + Reinf.	TP60x60x0.775	43	-81.540	--	49.1	Pass
L44	40 - 35	Pole + Reinf.	TP60x60x0.775	44	-85.800	--	51.6	Pass
L45	35 - 32.08	Pole + Reinf.	TP60x60x0.775	45	-87.669	--	53.1	Pass
L46	32.08 - 31.83	Pole + Reinf.	TP60x60x0.9625	46	-87.869	--	42.9	Pass
L47	31.83 - 28.75	Pole + Reinf.	TP60x60x0.9625	47	-90.234	--	44.1	Pass
L48	28.75 - 28.5	Pole + Reinf.	TP60x60x0.8125	48	-90.406	--	52.0	Pass
L49	28.5 - 23.5	Pole + Reinf.	TP60x60x0.8125	49	-94.294	--	54.4	Pass
L50	23.5 - 18.5	Pole + Reinf.	TP60x60x0.95	50	-99.293	--	48.3	Pass
L51	18.5 - 13.5	Pole + Reinf.	TP60x60x0.95	51	-104.242	--	50.5	Pass
L52	13.5 - 8.5	Pole + Reinf.	TP60x60x0.95	52	-108.082	--	52.7	Pass
L53	8.5 - 3.5	Pole + Reinf.	TP60x60x0.95	53	-111.926	--	54.9	Pass
L54	3.5 - 0	Pole + Reinf.	TP60x60x0.95	54	-114.617	--	56.4	Pass
							Summary	
						Pole	56.4	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
						Reinforcement	53.7	Pass
						Rating =	56.4	Pass

Table 5 - Tower Component Stresses vs. Capacity- LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2,3	Flange Connection	180.0	3.4	Pass
1,2,3	Flange Connection	160.0	14.7	Pass
1,2,3	Flange Connection	140.0	34.0	Pass
1,2,4	Flange Connection	120.0	49.6	Pass
1,2,4	Flange Connection	100.0	50.5	Pass
1,2	Bridge Stiffener	80.0	88.0	Pass
1,2	Flange Connection	80.0	53.7	Pass
1,2	Bridge Stiffener	60.0	77.2	Pass
1,2	Flange Connection	60.0	51.5	Pass
1,2	Bridge Stiffener	40.0	84.7	Pass
1,2	Flange Connection	40.0	50.6	Pass
1,2	Bridge Stiffener	20.0	86.2	Pass
1,2	Flange Connection	20.0	53.5	Pass
1,2	Anchor Rod Bracket	Base	66.3	Pass
1,2	Anchor Rods	Base	53.5	Pass
1,2	Base Plate	Base	52.4	Pass
1,2,5	Base Foundation	Base	77.2	Pass

Structure Rating (max from all components) =	88.0%

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.
3) Flange plates have the same capacity as their respective shaft.
4) Flange plates have the same capacity as their respective bolts.
5) Foundation capacity determined by comparing analysis reactions to original design reactions.

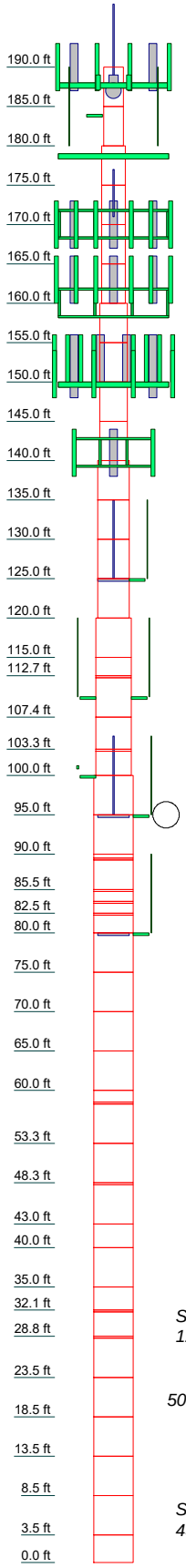
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Size	Length (ft)	Grade	Weight (K)
1	P36x0.375	5.000	A53-B-42	0.6
2	P36x0.375	5.000		0.6
3	P36x0.375	5.000		0.7
4	P36x0.375	5.000		0.7
5	P36x0.375	5.000		0.7
6	P36x0.375	5.000		0.7
7	P36x0.375	5.000		0.8
8	P36x0.375	5.000		0.8
9	P36x0.375	5.000		0.8
10	P36x0.375	5.000		0.8
11	P36x0.375	5.000		1.0
12	P36x0.375	5.000		1.0
13	P36x0.375	5.000		1.0
14	P36x0.375	5.000		1.0
15	P36x0.375	5.000		1.1
16	P36x0.375	2.500		0.5
17	P36x0.375	2.500		0.5
18	P36x0.375	5.000		1.4
19	P36x0.375	5.000		1.1
20	P36x0.375	3.000		0.6
21	P36x0.375	2.500		0.5
22	P36x0.375	5.000		1.5
23	P36x0.375	5.000		1.5
24	P36x0.375	2.500		0.7
25	P36x0.375	2.500		0.7
26	P36x0.375	5.000		1.3
27	P36x0.375	2.500		0.7
28	P36x0.375	2.500		0.7
29	P36x0.375	2.500		0.7
30	P36x0.375	2.500		0.7
31	P36x0.375	2.500		0.7
32	P36x0.375	2.500		0.7
33	P36x0.375	5.000		1.8
34	P36x0.375	5.000		1.8
35	P36x0.375	5.000		1.8
36	P36x0.375	5.000		1.8
37	P36x0.375	2.500		0.9
38	P36x0.375	2.500		0.9
39	P36x0.375	5.000		2.0
40	P36x0.375	5.000		2.0
41	P36x0.375	2.500		1.0
42	P36x0.375	5.000		2.4
43	P36x0.375	3.000		1.4
44	P36x0.375	5.000		2.4
45	P36x0.375	2.500		1.4
46	P36x0.375	2.500		1.4
47	P36x0.375	2.500		1.4
48	P36x0.375	2.500		1.4
49	P36x0.375	5.000		2.5
50	P36x0.375	5.000		2.9
51	P36x0.375	5.000		2.9
52	P36x0.375	5.000		2.9
53	P36x0.375	5.000		2.9
54	P36x0.375	3.500		2.0
				60.7



ALL REACTIONS ARE FACTORED

AXIAL 156 K

SHEAR 12 K

MOMENT 1553 kip-ft

TORQUE 1 kip-ft
50 mph WIND - 1.000 in ICE

AXIAL 115 K

SHEAR 43 K

MOMENT 5436 kip-ft

TORQUE 2 kip-ft
REACTIONS - 117 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 117 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 56.4%

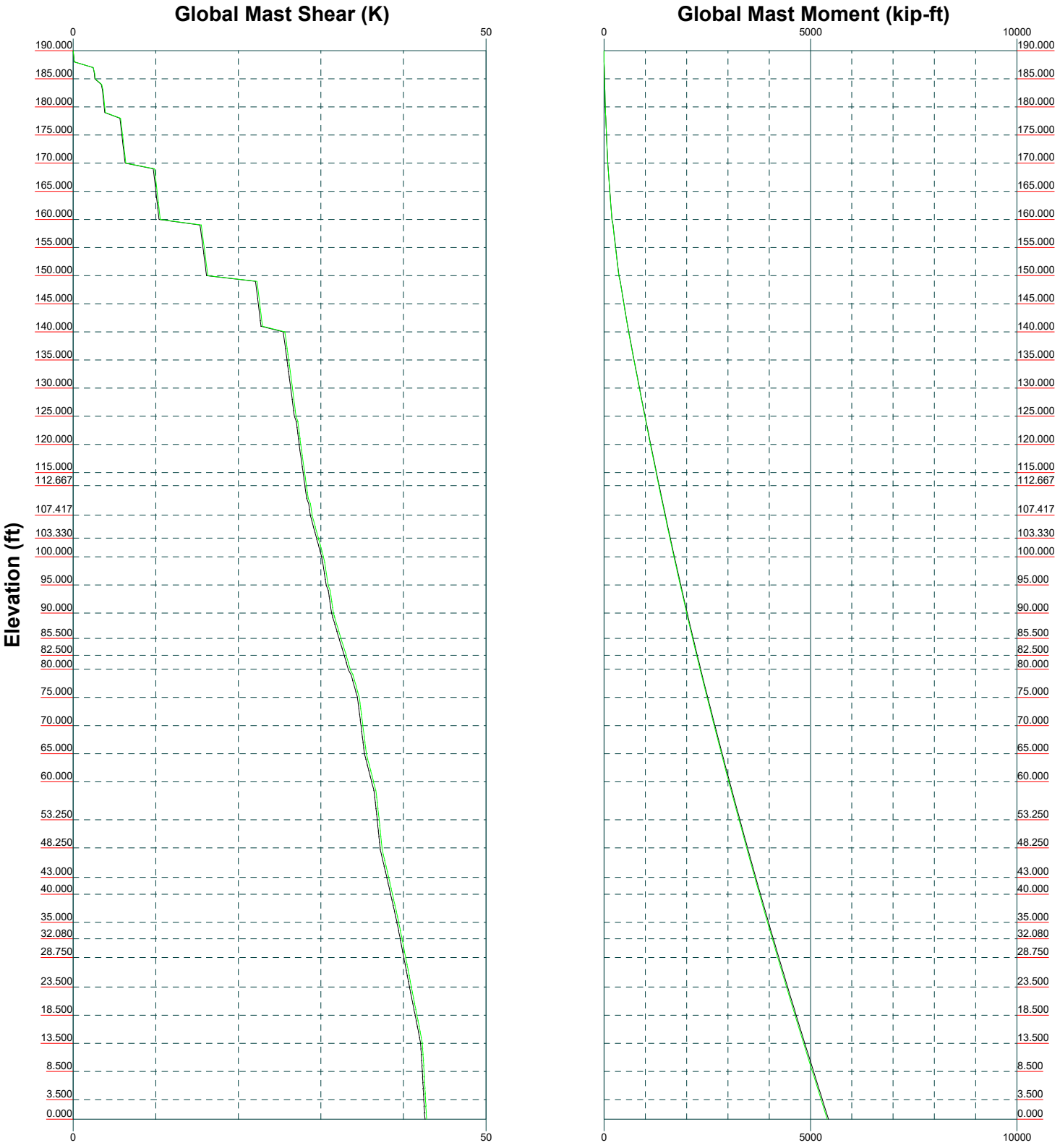
B+T Group
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 587-4630

Job: 136353.012.01 - Weston Rt-57 Norfield R, CT (BU# 82904			
Project:			
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:	
Code: TIA-222-H	Date: 10/13/21	Scale: NTS	
Path:		Dwg No. E-1	

TIA-222-H - 117 mph/50 mph 1.000 in Ice Exposure B

Maximum Values

Vx Vz Mx Mz

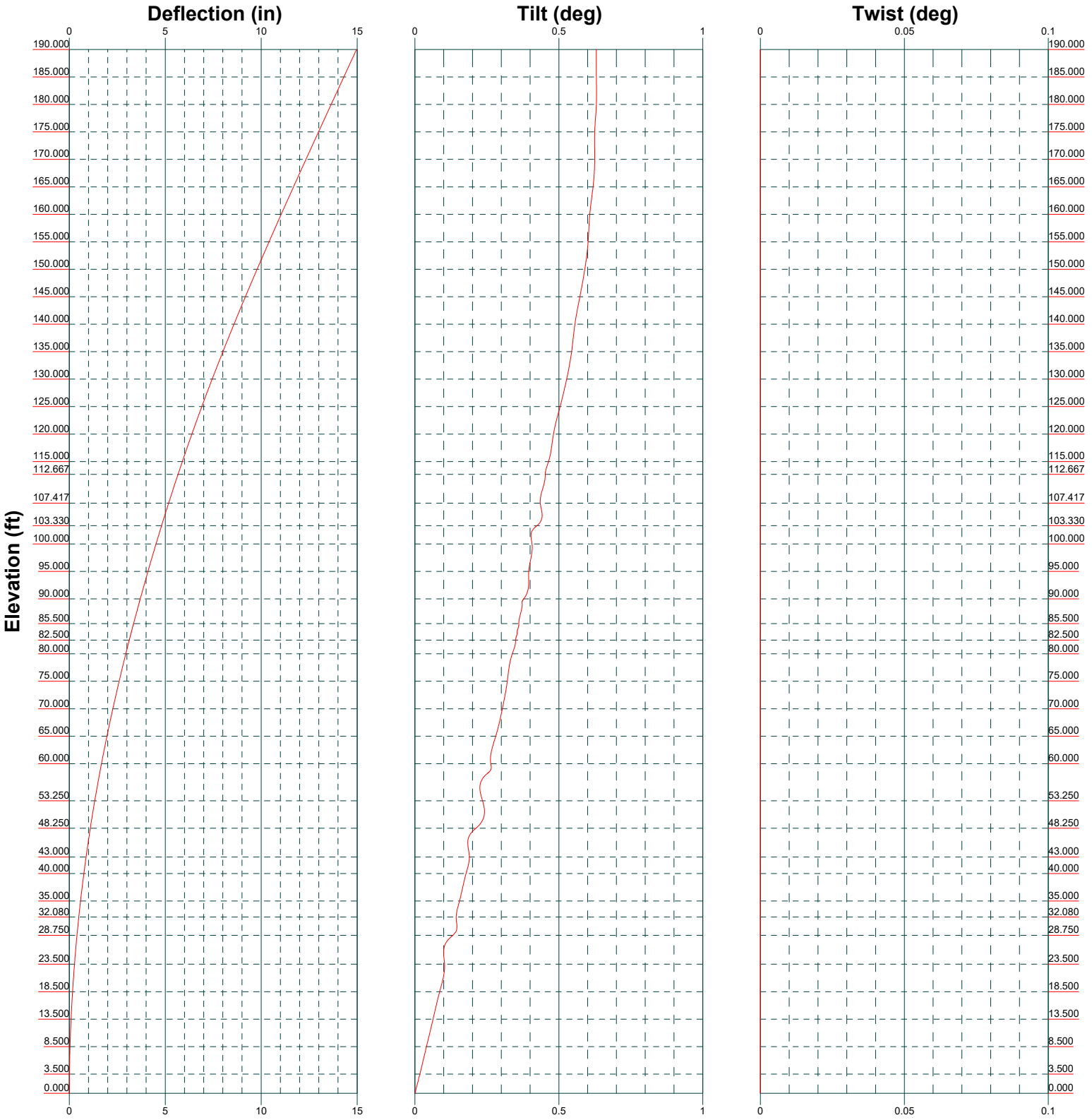


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Project:			
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:	
Code: TIA-222-H	Date: 10/13/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values

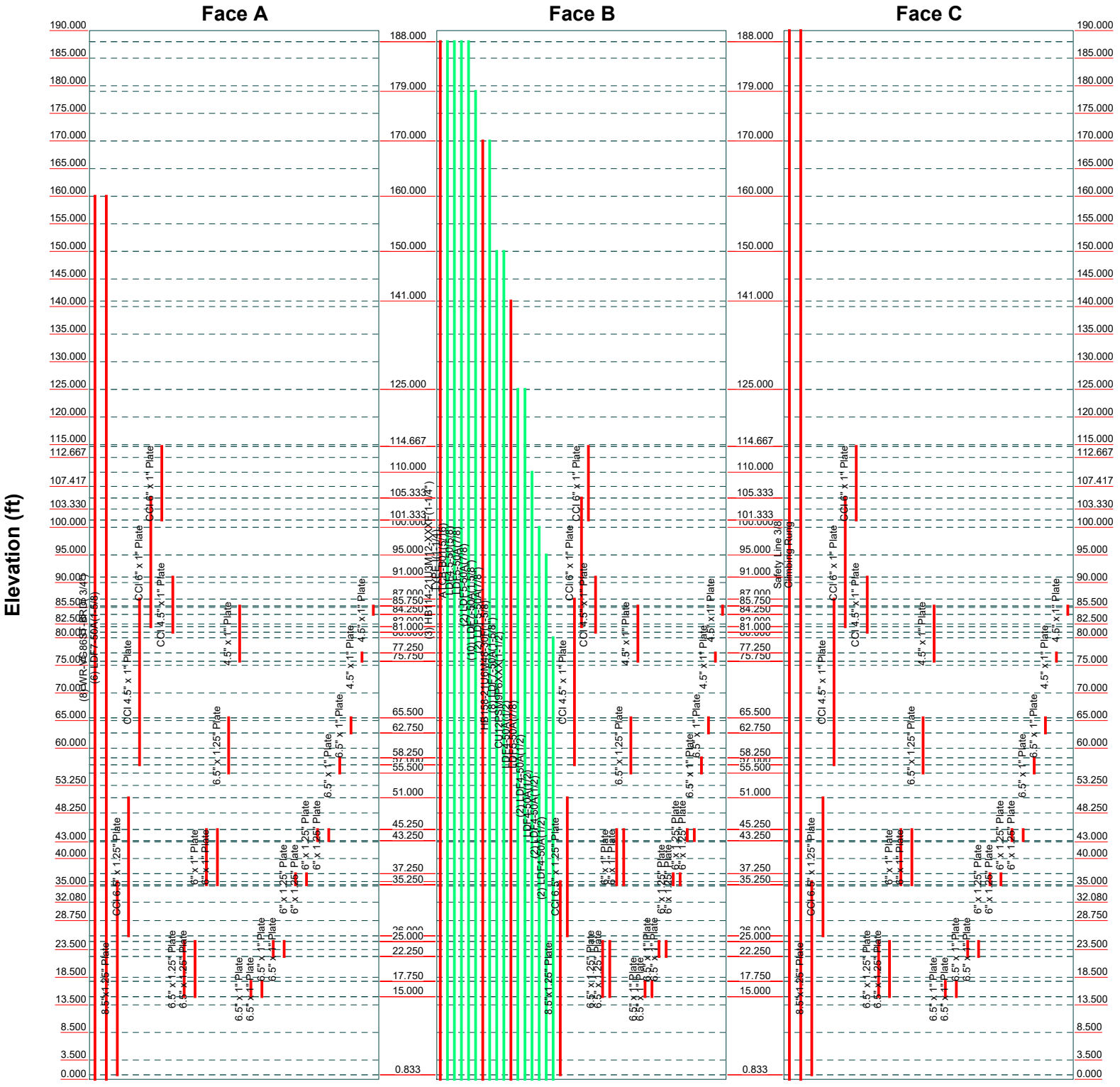


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Job:	***136353.012.01 - Weston Rt-57 Norfield R, CT (BU# 82904***		
Project:			
Client: Crown Castle	Drawn by: GURUPRASAD	App'd:	
Code: TIA-222-H	Date: 10/13/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 190'

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



B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 587-4630	Job: *136353.012.01 - Weston Rt-57 Norfield R, CT (BU# 82904*)		
	Project:		
	Client: Crown Castle	Drawn by: GURUPRASAD	App'd:
	Code: TIA-222-H	Date: 10/13/21	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 Fairfield County, Connecticut.
Tower base elevation above sea level: 322.000 ft.
Basic wind speed of 117 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
TOWER RATING: 56.4%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	190.000-185.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L2	185.000-180.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L3	180.000-175.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L4	175.000-170.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L5	170.000-165.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L6	165.000-160.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L7	160.000-155.000	5.000	P42x0.375	A53-B-42 (42 ksi)	
L8	155.000-150.000	5.000	P42x0.375	A53-B-42 (42 ksi)	
L9	150.000-145.000	5.000	P42x0.375	A53-B-42 (42 ksi)	
L10	145.000-140.000	5.000	P42x0.375	A53-B-42 (42 ksi)	
L11	140.000-135.000	5.000	P48x0.375	A53-B-42 (42 ksi)	
L12	135.000-130.000	5.000	P48x0.375	A53-B-42 (42 ksi)	
L13	130.000-125.000	5.000	P48x0.375	A53-B-42 (42 ksi)	
L14	125.000-120.000	5.000	P48x0.375	A53-B-42 (42 ksi)	
L15	120.000-115.000	5.000	P54x0.375	A53-B-42 (42 ksi)	
L16	115.000-112.667	2.333	P54x0.375	A53-B-42 (42 ksi)	
L17	112.667-112.417	0.250	P54x0.4875	A53-B-42 (42 ksi)	
L18	112.417-107.417	5.000	P54x0.4875	A53-B-42 (42 ksi)	
L19	107.417-103.330	4.087	P54x0.4875	A53-B-42 (42 ksi)	
L20	103.330-103.080	0.250	P54x0.4875	A53-B-42 (42 ksi)	
L21	103.080-100.000	3.080	P54x0.4875	A53-B-42 (42 ksi)	
L22	100.000-95.000	5.000	P60x0.475	A53-B-42 (42 ksi)	
L23	95.000-90.000	5.000	P60x0.475	A53-B-42 (42 ksi)	
L24	90.000-89.500	0.500	P60x0.475	A53-B-42 (42 ksi)	
L25	89.500-89.250	0.250	P60x0.55625	A53-B-42 (42 ksi)	
L26	89.250-85.500	3.750	P60x0.55625	A53-B-42 (42 ksi)	
L27	85.500-85.250	0.250	P60x0.6375	A53-B-42 (42 ksi)	
L28	85.250-84.000	1.250	P60x0.6375	A53-B-42 (42 ksi)	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L29	84.000-83.750	0.250	P60x0.525	A53-B-42 (42 ksi)	
L30	83.750-82.500	1.250	P60x0.525	A53-B-42 (42 ksi)	
L31	82.500-82.250	0.250	P60x0.45	A53-B-42 (42 ksi)	
L32	82.250-80.000	2.250	P60x0.45	A53-B-42 (42 ksi)	
L33	80.000-75.000	5.000	P60x0.575	A53-B-42 (42 ksi)	
L34	75.000-70.000	5.000	P60x0.575	A53-B-42 (42 ksi)	
L35	70.000-65.000	5.000	P60x0.575	A53-B-42 (42 ksi)	
L36	65.000-60.000	5.000	P60x0.575	A53-B-42 (42 ksi)	
L37	60.000-58.500	1.500	P60x0.7	A53-B-42 (42 ksi)	
L38	58.500-58.250	0.250	P60x0.625	A53-B-42 (42 ksi)	
L39	58.250-53.250	5.000	P60x0.625	A53-B-42 (42 ksi)	
L40	53.250-48.250	5.000	P60x0.625	A53-B-42 (42 ksi)	
L41	48.250-48.000	0.250	P60x0.775	A53-B-42 (42 ksi)	
L42	48.000-43.000	5.000	P60x0.775	A53-B-42 (42 ksi)	
L43	43.000-40.000	3.000	P60x0.775	A53-B-42 (42 ksi)	
L44	40.000-35.000	5.000	P60x0.775	A53-B-42 (42 ksi)	
L45	35.000-32.080	2.920	P60x0.775	A53-B-42 (42 ksi)	
L46	32.080-31.830	0.250	P60x0.9625	A53-B-42 (42 ksi)	
L47	31.830-28.750	3.080	P60x0.9625	A53-B-42 (42 ksi)	
L48	28.750-28.500	0.250	P60x0.8125	A53-B-42 (42 ksi)	
L49	28.500-23.500	5.000	P60x0.8125	A53-B-42 (42 ksi)	
L50	23.500-18.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L51	18.500-13.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L52	13.500-8.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L53	8.500-3.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L54	3.500-0.000	3.500	P60x0.95	A53-B-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in

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 190.000-185.000				1	1	1			
L2 185.000-180.000				1	1	1			
L3 180.000-175.000				1	1	1			
L4 175.000-170.000				1	1	1			
L5 170.000-165.000				1	1	1			
L6 165.000-160.000				1	1	1			
L7 160.000-155.000				1	1	1			
L8 155.000-150.000				1	1	1			
L9 150.000-145.000				1	1	1			
L10 145.000-140.000				1	1	1			
L11 140.000-135.000				1	1	1			
L12 135.000-130.000				1	1	1			
L13 130.000-125.000				1	1	1			
L14 125.000-120.000				1	1	1			
L15 120.000-115.000				1	1	1			
L16 115.000-112.667				1	1	1			
L17 112.667-112.417				1	1	0.990478			
L18 112.417-107.417				1	1	0.990478			
L19 107.417-103.330				1	1	0.990478			
L20 103.330-103.0				1	1	0.990478			

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
80									
L21				1	1	0.990478			
103.080-100.000									
L22				1	1	0.993442			
100.000-95.000									
L23				1	1	0.993442			
95.000-90.000									
L24				1	1	0.993442			
90.000-89.500									
L25				1	1	0.979451			
89.500-89.250									
L26				1	1	0.979451			
89.250-85.500									
L27				1	1	0.96934			
85.500-85.250									
L28				1	1	0.96934			
85.250-84.000									
L29				1	1	0.991333			
84.000-83.750									
L30				1	1	0.991333			
83.750-82.500									
L31				1	1	0.99474			
82.500-82.250									
L32				1	1	0.99474			
82.250-80.000									
L33				1	1	0.996424			
80.000-75.000									
L34				1	1	0.996424			
75.000-70.000									
L35				1	1	0.996424			
70.000-65.000									
L36				1	1	0.996424			
65.000-60.000									
L37				1	1	0.997508			
60.000-58.500									
L38				1	1	1			
58.500-58.250									
L39				1	1	1			
58.250-53.250									
L40				1	1	1			
53.250-48.250									
L41				1	1	0.977534			
48.250-48.000									
L42				1	1	0.977534			
48.000-43.000									
L43				1	1	0.977534			
43.000-40.000									
L44				1	1	0.977534			
40.000-35.000									
L45				1	1	0.977534			
35.000-32.080									
L46				1	1	0.96816			
32.080-31.830									
L47				1	1	0.96816			
31.830-28.750									
L48				1	1	0.98265			
28.750-28.500									

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
L49 28.500-23.500				1	1	0.98265			
L50 23.500-18.500				1	1	0.973014			
L51 18.500-13.500				1	1	0.973014			
L52 13.500-8.500				1	1	0.973014			
L53 8.500-3.500				1	1	0.973014			
L54 3.500-0.000				1	1	0.973014			

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
HB114-21U3M12-XXX F(1-1/4") *	B	No	Surface Ar (CaAa)	188.000 - 0.000	3	3	0.000 0.080	1.540		0.001
LDF7-50A(1 5/8") *	B	No	Surface Ar (CaAa)	170.000 - 0.000	10	10	-0.300 -0.050	1.980		0.001
WR-VG86ST-BRD(3/4")	A	No	Surface Ar (CaAa)	160.000 - 0.000	8	3	0.190 0.230	0.795		0.001
LDF7-50A(1-5/8) *	A	No	Surface Ar (CaAa)	160.000 - 0.000	6	6	0.010 0.180	1.980		0.001
CU12PSM9P6XXX(1-1/ 2) *	B	No	Surface Ar (CaAa)	141.000 - 0.000	1	1	0.450 0.500	1.600		0.002
Safety Line 3/8	C	No	Surface Ar (CaAa)	190.000 - 0.000	1	1	0.350 0.360	0.375		0.000
Climbing Rung *	C	No	Surface Ar (CaAa)	190.000 - 0.000	1	1	0.330 0.380	1.000		0.008
8.5"x1.25" Plate	A	No	Surface Af (CaAa)	35.833 - 0.833	1	1	0.000 0.050	8.500	19.500	0.000
8.5"x1.25" Plate	B	No	Surface Af (CaAa)	35.833 - 0.833	1	1	0.000 0.050	8.500	19.500	0.000
8.5"x1.25" Plate *	C	No	Surface Af (CaAa)	35.833 - 0.833	1	1	0.000 0.050	8.500	19.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.000 0.050	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.000 0.050	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate *	C	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.000 0.050	6.500	15.500	0.000
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	87.000 - 57.000	1	1	0.000 0.050	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	Surface Af	87.000 -	1	1	0.000	4.500	11.000	0.000

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
			(CaAa)	57.000			0.050			
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	87.000 - 57.000	1	1	0.000 0.050	4.500	11.000	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	105.333 - 82.000	1	1	0.000 0.050	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	105.333 - 82.000	1	1	0.000 0.050	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	105.333 - 82.000	1	1	0.000 0.050	6.000	14.000	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	114.667 - 101.333	1	1	0.000 0.050	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	114.667 - 101.333	1	1	0.000 0.050	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	114.667 - 101.333	1	1	0.000 0.050	6.000	14.000	0.000
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	91.000 - 81.000	1	1	0.000 0.050	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	91.000 - 81.000	1	1	0.000 0.050	4.500	11.000	0.000
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	91.000 - 81.000	1	1	0.000 0.050	4.500	11.000	0.000
*										
6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.000 0.050	6.500	15.500	0.027
6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.000 0.050	6.500	15.500	0.027
6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.000 0.050	6.500	15.500	0.027
6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.300 0.350	6.500	15.500	0.027
6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.300 0.350	6.500	15.500	0.027
6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	25.000 - 15.000	1	1	0.300 0.350	6.500	15.500	0.027
*										
6" x 1" Plate	A	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.000 0.050	6.000	14.000	0.020
6" x 1" Plate	B	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.000 0.050	6.000	14.000	0.020
6" x 1" Plate	C	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.000 0.050	6.000	14.000	0.020
6" x 1" Plate	A	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.300 0.350	6.000	14.000	0.020
6" x 1" Plate	B	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.300 0.350	6.000	14.000	0.020
6" x 1" Plate	C	No	Surface Af (CaAa)	45.250 - 35.250	1	1	0.300 0.350	6.000	14.000	0.020
*										
6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	65.500 - 55.500	1	1	0.000 0.050	6.500	15.500	0.027
6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	65.500 - 55.500	1	1	0.000 0.050	6.500	15.500	0.027
6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	65.500 - 55.500	1	1	0.000 0.050	6.500	15.500	0.027
*										
4.5" x 1" Plate	A	No	Surface Af (CaAa)	85.750 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015

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
4.5" x 1" Plate	B	No	Surface Af (CaAa)	85.750 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015
4.5" x 1" Plate	C	No	Surface Af (CaAa)	85.750 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015
*										
6.5" x 1" Plate	A	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	C	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	A	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.300 0.350	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.300 0.350	6.500	15.000	0.022
6.5" x 1" Plate	C	No	Surface Af (CaAa)	17.750 - 15.000	1	1	0.300 0.350	6.500	15.000	0.022
*										
6.5" x 1" Plate	A	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	C	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	A	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.300 0.350	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.300 0.350	6.500	15.000	0.022
6.5" x 1" Plate	C	No	Surface Af (CaAa)	25.000 - 22.250	1	1	0.300 0.350	6.500	15.000	0.022
*										
6" x 1.25" Plate	A	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	B	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	C	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	A	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.300 0.350	6.000	14.500	0.025
6" x 1.25" Plate	B	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.300 0.350	6.000	14.500	0.025
6" x 1.25" Plate	C	No	Surface Af (CaAa)	37.250 - 35.250	1	1	0.300 0.350	6.000	14.500	0.025
*										
6" x 1.25" Plate	A	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	B	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	C	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.000 0.050	6.000	14.500	0.025
6" x 1.25" Plate	A	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.300 0.350	6.000	14.500	0.025
6" x 1.25" Plate	B	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.300 0.350	6.000	14.500	0.025
6" x 1.25" Plate	C	No	Surface Af (CaAa)	45.250 - 43.250	1	1	0.300 0.350	6.000	14.500	0.025
*										
6.5" x 1" Plate	A	No	Surface Af (CaAa)	58.250 - 55.500	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af	58.250 -	1	1	0.000	6.500	15.000	0.022

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
			(CaAa)	55.500			0.050			
6.5" x 1" Plate	C	No	Surface Af (CaAa)	58.250 - 55.500	1	1	0.000 0.050	6.500	15.000	0.022
*										
6.5" x 1" Plate	A	No	Surface Af (CaAa)	65.500 - 62.750	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	B	No	Surface Af (CaAa)	65.500 - 62.750	1	1	0.000 0.050	6.500	15.000	0.022
6.5" x 1" Plate	C	No	Surface Af (CaAa)	65.500 - 62.750	1	1	0.000 0.050	6.500	15.000	0.022
*										
4.5" x 1" Plate	A	No	Surface Af (CaAa)	77.250 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015
4.5" x 1" Plate	B	No	Surface Af (CaAa)	77.250 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015
4.5" x 1" Plate	C	No	Surface Af (CaAa)	77.250 - 75.750	1	1	0.000 0.050	4.500	11.000	0.015
*										
4.5" x 1" Plate	A	No	Surface Af (CaAa)	85.750 - 84.250	1	1	0.000 0.050	4.500	11.000	0.015
4.5" x 1" Plate	B	No	Surface Af (CaAa)	85.750 - 84.250	1	1	0.000 0.050	4.500	11.000	0.015
4.5" x 1" Plate	C	No	Surface Af (CaAa)	85.750 - 84.250	1	1	0.000 0.050	4.500	11.000	0.015
*										

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
TYPE I(1-1/4)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
*									
ATCB-B01(5/16)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
LDF4.5-50(5/8)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
LDF5-50A(7/8)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF5-50A(7/8)	B	No	No	Inside Pole	179.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF5-50A(7/8")	B	No	No	Inside Pole	170.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
HB158-21U6M48-30F(1-5/8)	B	No	No	Inside Pole	150.000 - 0.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF7-50A(1-5/8")	B	No	No	Inside Pole	150.000 - 0.000	8	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	125.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
LDF5-50A(7/8)	B	No	No	Inside Pole	125.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	110.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	100.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	95.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	80.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" 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	190.000-185.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.386	0.000	0.015
		C	0.000	0.000	0.688	0.000	0.043
L2	185.000-180.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.310	0.000	0.024
		C	0.000	0.000	0.688	0.000	0.043
L3	180.000-175.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.310	0.000	0.027
		C	0.000	0.000	0.688	0.000	0.043
L4	175.000-170.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.310	0.000	0.028
		C	0.000	0.000	0.688	0.000	0.043
L5	170.000-165.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	12.210	0.000	0.072
		C	0.000	0.000	0.688	0.000	0.043
L6	165.000-160.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	12.210	0.000	0.072
		C	0.000	0.000	0.688	0.000	0.043
L7	160.000-155.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	12.210	0.000	0.072
		C	0.000	0.000	0.688	0.000	0.043

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
L8	155.000-150.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	12.210	0.000	0.072
		C	0.000	0.000	0.688	0.000	0.043
L9	150.000-145.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	12.210	0.000	0.117
		C	0.000	0.000	0.688	0.000	0.043
L10	145.000-140.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	12.370	0.000	0.119
		C	0.000	0.000	0.688	0.000	0.043
L11	140.000-135.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	13.010	0.000	0.128
		C	0.000	0.000	0.688	0.000	0.043
L12	135.000-130.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	13.010	0.000	0.128
		C	0.000	0.000	0.688	0.000	0.043
L13	130.000-125.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	13.010	0.000	0.128
		C	0.000	0.000	0.688	0.000	0.043
L14	125.000-120.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	13.010	0.000	0.131
		C	0.000	0.000	0.688	0.000	0.043
L15	120.000-115.000	A	0.000	0.000	7.132	0.000	0.048
		B	0.000	0.000	13.010	0.000	0.131
		C	0.000	0.000	0.688	0.000	0.043
L16	115.000-112.667	A	0.000	0.000	5.328	0.000	0.022
		B	0.000	0.000	8.070	0.000	0.061
		C	0.000	0.000	2.321	0.000	0.020
L17	112.667-112.417	A	0.000	0.000	0.607	0.000	0.002
		B	0.000	0.000	0.900	0.000	0.007
		C	0.000	0.000	0.284	0.000	0.002
L18	112.417-107.417	A	0.000	0.000	12.133	0.000	0.048
		B	0.000	0.000	18.010	0.000	0.131
		C	0.000	0.000	5.688	0.000	0.043
L19	107.417-103.330	A	0.000	0.000	11.920	0.000	0.039
		B	0.000	0.000	16.724	0.000	0.108
		C	0.000	0.000	6.652	0.000	0.035
L20	103.330-103.080	A	0.000	0.000	0.857	0.000	0.002
		B	0.000	0.000	1.151	0.000	0.007
		C	0.000	0.000	0.534	0.000	0.002
L21	103.080-100.000	A	0.000	0.000	9.221	0.000	0.030
		B	0.000	0.000	12.841	0.000	0.081
		C	0.000	0.000	5.250	0.000	0.027
L22	100.000-95.000	A	0.000	0.000	12.133	0.000	0.048
		B	0.000	0.000	18.010	0.000	0.133
		C	0.000	0.000	5.688	0.000	0.043
L23	95.000-90.000	A	0.000	0.000	12.883	0.000	0.048
		B	0.000	0.000	18.760	0.000	0.134
		C	0.000	0.000	6.438	0.000	0.043
L24	90.000-89.500	A	0.000	0.000	1.588	0.000	0.005
		B	0.000	0.000	2.176	0.000	0.013
		C	0.000	0.000	0.944	0.000	0.004
L25	89.500-89.250	A	0.000	0.000	0.794	0.000	0.002
		B	0.000	0.000	1.088	0.000	0.007
		C	0.000	0.000	0.472	0.000	0.002
L26	89.250-85.500	A	0.000	0.000	13.343	0.000	0.043
		B	0.000	0.000	17.751	0.000	0.108
		C	0.000	0.000	8.509	0.000	0.040
L27	85.500-85.250	A	0.000	0.000	1.287	0.000	0.010
		B	0.000	0.000	1.581	0.000	0.014
		C	0.000	0.000	0.965	0.000	0.010
L28	85.250-84.000	A	0.000	0.000	6.319	0.000	0.046

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	7.788	0.000	0.067
		C	0.000	0.000	4.708	0.000	0.045
L29	84.000-83.750	A	0.000	0.000	1.169	0.000	0.006
		B	0.000	0.000	1.463	0.000	0.010
		C	0.000	0.000	0.847	0.000	0.006
L30	83.750-82.500	A	0.000	0.000	5.846	0.000	0.031
		B	0.000	0.000	7.315	0.000	0.052
		C	0.000	0.000	4.234	0.000	0.030
L31	82.500-82.250	A	0.000	0.000	1.169	0.000	0.006
		B	0.000	0.000	1.463	0.000	0.010
		C	0.000	0.000	0.847	0.000	0.006
L32	82.250-80.000	A	0.000	0.000	7.772	0.000	0.055
		B	0.000	0.000	10.417	0.000	0.094
		C	0.000	0.000	4.872	0.000	0.053
L33	80.000-75.000	A	0.000	0.000	14.780	0.000	0.134
		B	0.000	0.000	20.658	0.000	0.222
		C	0.000	0.000	8.335	0.000	0.129
L34	75.000-70.000	A	0.000	0.000	10.883	0.000	0.048
		B	0.000	0.000	16.760	0.000	0.136
		C	0.000	0.000	4.438	0.000	0.043
L35	70.000-65.000	A	0.000	0.000	11.717	0.000	0.072
		B	0.000	0.000	17.595	0.000	0.160
		C	0.000	0.000	5.272	0.000	0.068
L36	65.000-60.000	A	0.000	0.000	17.278	0.000	0.232
		B	0.000	0.000	23.155	0.000	0.320
		C	0.000	0.000	10.833	0.000	0.228
L37	60.000-58.500	A	0.000	0.000	4.704	0.000	0.055
		B	0.000	0.000	6.467	0.000	0.081
		C	0.000	0.000	2.770	0.000	0.053
L38	58.500-58.250	A	0.000	0.000	0.784	0.000	0.009
		B	0.000	0.000	1.078	0.000	0.014
		C	0.000	0.000	0.462	0.000	0.009
L39	58.250-53.250	A	0.000	0.000	12.662	0.000	0.183
		B	0.000	0.000	18.540	0.000	0.271
		C	0.000	0.000	6.217	0.000	0.178
L40	53.250-48.250	A	0.000	0.000	10.112	0.000	0.048
		B	0.000	0.000	15.989	0.000	0.136
		C	0.000	0.000	3.667	0.000	0.043
L41	48.250-48.000	A	0.000	0.000	0.627	0.000	0.002
		B	0.000	0.000	0.921	0.000	0.007
		C	0.000	0.000	0.305	0.000	0.002
L42	48.000-43.000	A	0.000	0.000	19.180	0.000	0.241
		B	0.000	0.000	25.057	0.000	0.329
		C	0.000	0.000	12.735	0.000	0.236
L43	43.000-40.000	A	0.000	0.000	13.002	0.000	0.151
		B	0.000	0.000	16.529	0.000	0.203
		C	0.000	0.000	9.135	0.000	0.148
L44	40.000-35.000	A	0.000	0.000	24.920	0.000	0.343
		B	0.000	0.000	30.798	0.000	0.431
		C	0.000	0.000	18.475	0.000	0.338
L45	35.000-32.080	A	0.000	0.000	11.465	0.000	0.028
		B	0.000	0.000	14.898	0.000	0.079
		C	0.000	0.000	7.702	0.000	0.025
L46	32.080-31.830	A	0.000	0.000	0.982	0.000	0.002
		B	0.000	0.000	1.276	0.000	0.007
		C	0.000	0.000	0.659	0.000	0.002
L47	31.830-28.750	A	0.000	0.000	12.094	0.000	0.030
		B	0.000	0.000	15.714	0.000	0.084
		C	0.000	0.000	8.123	0.000	0.027
L48	28.750-28.500	A	0.000	0.000	0.982	0.000	0.002
		B	0.000	0.000	1.276	0.000	0.007

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	0.659	0.000	0.002
L49	28.500-23.500	A	0.000	0.000	21.934	0.000	0.195
		B	0.000	0.000	27.811	0.000	0.283
		C	0.000	0.000	15.489	0.000	0.190
L50	23.500-18.500	A	0.000	0.000	25.585	0.000	0.373
		B	0.000	0.000	31.463	0.000	0.461
		C	0.000	0.000	19.140	0.000	0.368
L51	18.500-13.500	A	0.000	0.000	24.839	0.000	0.358
		B	0.000	0.000	30.717	0.000	0.446
		C	0.000	0.000	18.394	0.000	0.353
L52	13.500-8.500	A	0.000	0.000	14.216	0.000	0.048
		B	0.000	0.000	20.093	0.000	0.136
		C	0.000	0.000	7.771	0.000	0.043
L53	8.500-3.500	A	0.000	0.000	14.216	0.000	0.048
		B	0.000	0.000	20.093	0.000	0.136
		C	0.000	0.000	7.771	0.000	0.043
L54	3.500-0.000	A	0.000	0.000	8.771	0.000	0.034
		B	0.000	0.000	12.885	0.000	0.095
		C	0.000	0.000	4.260	0.000	0.030

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	190.000-185.000	A	1.011	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.491	0.000	0.032
		C		0.000	0.000	2.710	0.000	0.064
L2	185.000-180.000	A	1.009	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	4.148	0.000	0.054
		C		0.000	0.000	2.705	0.000	0.064
L3	180.000-175.000	A	1.006	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	4.145	0.000	0.057
		C		0.000	0.000	2.699	0.000	0.064
L4	175.000-170.000	A	1.003	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	4.141	0.000	0.057
		C		0.000	0.000	2.693	0.000	0.064
L5	170.000-165.000	A	1.000	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	17.762	0.000	0.204
		C		0.000	0.000	2.687	0.000	0.064
L6	165.000-160.000	A	0.997	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	17.755	0.000	0.203
		C		0.000	0.000	2.681	0.000	0.064
L7	160.000-155.000	A	0.994	0.000	0.000	11.400	0.000	0.137
		B		0.000	0.000	17.747	0.000	0.203
		C		0.000	0.000	2.675	0.000	0.064
L8	155.000-150.000	A	0.991	0.000	0.000	11.392	0.000	0.136
		B		0.000	0.000	17.739	0.000	0.202
		C		0.000	0.000	2.669	0.000	0.063
L9	150.000-145.000	A	0.987	0.000	0.000	11.384	0.000	0.136
		B		0.000	0.000	17.731	0.000	0.247
		C		0.000	0.000	2.662	0.000	0.063
L10	145.000-140.000	A	0.984	0.000	0.000	11.375	0.000	0.136
		B		0.000	0.000	18.079	0.000	0.252
		C		0.000	0.000	2.655	0.000	0.063
L11	140.000-135.000	A	0.980	0.000	0.000	11.367	0.000	0.135
		B		0.000	0.000	19.494	0.000	0.273
		C		0.000	0.000	2.648	0.000	0.063

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
L12	135.000-130.000	A	0.977	0.000	0.000	11.358	0.000	0.135
		B		0.000	0.000	19.481	0.000	0.272
		C		0.000	0.000	2.641	0.000	0.063
L13	130.000-125.000	A	0.973	0.000	0.000	11.348	0.000	0.135
		B		0.000	0.000	19.468	0.000	0.272
		C		0.000	0.000	2.634	0.000	0.063
L14	125.000-120.000	A	0.969	0.000	0.000	11.338	0.000	0.134
		B		0.000	0.000	19.454	0.000	0.274
		C		0.000	0.000	2.626	0.000	0.063
L15	120.000-115.000	A	0.965	0.000	0.000	11.328	0.000	0.134
		B		0.000	0.000	19.440	0.000	0.273
		C		0.000	0.000	2.618	0.000	0.063
L16	115.000-112.667	A	0.962	0.000	0.000	7.530	0.000	0.076
		B		0.000	0.000	11.313	0.000	0.140
		C		0.000	0.000	3.466	0.000	0.042
L17	112.667-112.417	A	0.961	0.000	0.000	0.847	0.000	0.008
		B		0.000	0.000	1.252	0.000	0.015
		C		0.000	0.000	0.411	0.000	0.005
L18	112.417-107.417	A	0.959	0.000	0.000	16.929	0.000	0.166
		B		0.000	0.000	25.035	0.000	0.306
		C		0.000	0.000	8.222	0.000	0.095
L19	107.417-103.330	A	0.955	0.000	0.000	16.213	0.000	0.149
		B		0.000	0.000	22.836	0.000	0.263
		C		0.000	0.000	9.097	0.000	0.091
L20	103.330-103.080	A	0.953	0.000	0.000	1.143	0.000	0.010
		B		0.000	0.000	1.548	0.000	0.017
		C		0.000	0.000	0.708	0.000	0.006
L21	103.080-100.000	A	0.951	0.000	0.000	12.584	0.000	0.113
		B		0.000	0.000	17.572	0.000	0.199
		C		0.000	0.000	7.222	0.000	0.070
L22	100.000-95.000	A	0.947	0.000	0.000	17.231	0.000	0.165
		B		0.000	0.000	25.325	0.000	0.305
		C		0.000	0.000	8.529	0.000	0.094
L23	95.000-90.000	A	0.942	0.000	0.000	18.076	0.000	0.170
		B		0.000	0.000	26.165	0.000	0.311
		C		0.000	0.000	9.377	0.000	0.099
L24	90.000-89.500	A	0.939	0.000	0.000	2.152	0.000	0.019
		B		0.000	0.000	2.960	0.000	0.033
		C		0.000	0.000	1.282	0.000	0.012
L25	89.500-89.250	A	0.939	0.000	0.000	1.076	0.000	0.010
		B		0.000	0.000	1.480	0.000	0.017
		C		0.000	0.000	0.641	0.000	0.006
L26	89.250-85.500	A	0.937	0.000	0.000	17.894	0.000	0.161
		B		0.000	0.000	23.957	0.000	0.266
		C		0.000	0.000	11.372	0.000	0.108
L27	85.500-85.250	A	0.935	0.000	0.000	1.668	0.000	0.021
		B		0.000	0.000	2.072	0.000	0.028
		C		0.000	0.000	1.233	0.000	0.017
L28	85.250-84.000	A	0.934	0.000	0.000	8.195	0.000	0.100
		B		0.000	0.000	10.216	0.000	0.135
		C		0.000	0.000	6.022	0.000	0.082
L29	84.000-83.750	A	0.933	0.000	0.000	1.524	0.000	0.016
		B		0.000	0.000	1.928	0.000	0.023
		C		0.000	0.000	1.089	0.000	0.012
L30	83.750-82.500	A	0.932	0.000	0.000	7.619	0.000	0.079
		B		0.000	0.000	9.639	0.000	0.114
		C		0.000	0.000	5.446	0.000	0.062
L31	82.500-82.250	A	0.931	0.000	0.000	1.524	0.000	0.016
		B		0.000	0.000	1.928	0.000	0.023
		C		0.000	0.000	1.089	0.000	0.012
L32	82.250-80.000	A	0.930	0.000	0.000	10.475	0.000	0.124

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	14.110	0.000	0.188
		C		0.000	0.000	6.564	0.000	0.093
L33	80.000-75.000	A	0.926	0.000	0.000	20.424	0.000	0.273
		B		0.000	0.000	28.497	0.000	0.415
		C		0.000	0.000	11.733	0.000	0.204
L34	75.000-70.000	A	0.920	0.000	0.000	15.884	0.000	0.156
		B		0.000	0.000	23.951	0.000	0.298
		C		0.000	0.000	7.196	0.000	0.087
L35	70.000-65.000	A	0.913	0.000	0.000	16.794	0.000	0.186
		B		0.000	0.000	24.854	0.000	0.328
		C		0.000	0.000	8.110	0.000	0.118
L36	65.000-60.000	A	0.906	0.000	0.000	22.939	0.000	0.387
		B		0.000	0.000	30.992	0.000	0.528
		C		0.000	0.000	14.258	0.000	0.319
L37	60.000-58.500	A	0.901	0.000	0.000	6.331	0.000	0.097
		B		0.000	0.000	8.746	0.000	0.139
		C		0.000	0.000	3.728	0.000	0.076
L38	58.500-58.250	A	0.900	0.000	0.000	1.055	0.000	0.016
		B		0.000	0.000	1.457	0.000	0.023
		C		0.000	0.000	0.621	0.000	0.013
L39	58.250-53.250	A	0.896	0.000	0.000	17.437	0.000	0.305
		B		0.000	0.000	25.480	0.000	0.445
		C		0.000	0.000	8.761	0.000	0.237
L40	53.250-48.250	A	0.887	0.000	0.000	14.601	0.000	0.145
		B		0.000	0.000	22.636	0.000	0.285
		C		0.000	0.000	5.929	0.000	0.078
L41	48.250-48.000	A	0.883	0.000	0.000	0.871	0.000	0.008
		B		0.000	0.000	1.273	0.000	0.015
		C		0.000	0.000	0.438	0.000	0.005
L42	48.000-43.000	A	0.878	0.000	0.000	24.838	0.000	0.403
		B		0.000	0.000	32.862	0.000	0.542
		C		0.000	0.000	16.171	0.000	0.336
L43	43.000-40.000	A	0.870	0.000	0.000	16.460	0.000	0.251
		B		0.000	0.000	21.270	0.000	0.335
		C		0.000	0.000	11.262	0.000	0.212
L44	40.000-35.000	A	0.861	0.000	0.000	31.111	0.000	0.536
		B		0.000	0.000	39.119	0.000	0.674
		C		0.000	0.000	22.453	0.000	0.471
L45	35.000-32.080	A	0.851	0.000	0.000	14.744	0.000	0.112
		B		0.000	0.000	19.415	0.000	0.193
		C		0.000	0.000	9.690	0.000	0.075
L46	32.080-31.830	A	0.847	0.000	0.000	1.261	0.000	0.010
		B		0.000	0.000	1.661	0.000	0.016
		C		0.000	0.000	0.829	0.000	0.006
L47	31.830-28.750	A	0.843	0.000	0.000	15.528	0.000	0.118
		B		0.000	0.000	20.450	0.000	0.202
		C		0.000	0.000	10.200	0.000	0.078
L48	28.750-28.500	A	0.838	0.000	0.000	1.259	0.000	0.010
		B		0.000	0.000	1.659	0.000	0.016
		C		0.000	0.000	0.827	0.000	0.006
L49	28.500-23.500	A	0.830	0.000	0.000	27.571	0.000	0.356
		B		0.000	0.000	35.548	0.000	0.493
		C		0.000	0.000	18.928	0.000	0.293
L50	23.500-18.500	A	0.812	0.000	0.000	31.309	0.000	0.554
		B		0.000	0.000	39.268	0.000	0.690
		C		0.000	0.000	22.675	0.000	0.492
L51	18.500-13.500	A	0.791	0.000	0.000	30.452	0.000	0.533
		B		0.000	0.000	38.390	0.000	0.668
		C		0.000	0.000	21.829	0.000	0.472
L52	13.500-8.500	A	0.762	0.000	0.000	18.664	0.000	0.149
		B		0.000	0.000	26.573	0.000	0.282

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	10.056	0.000	0.090
L53	8.500-3.500	A	0.717	0.000	0.000	18.508	0.000	0.143
		B		0.000	0.000	26.371	0.000	0.274
		C		0.000	0.000	9.921	0.000	0.086
L54	3.500-0.000	A	0.634	0.000	0.000	11.466	0.000	0.088
		B		0.000	0.000	16.913	0.000	0.176
		C		0.000	0.000	5.485	0.000	0.052

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	190.000-185.000	1.317	-0.157	0.327	0.617
L2	185.000-180.000	2.457	-0.734	1.239	0.109
L3	180.000-175.000	2.556	-0.762	1.313	0.120
L4	175.000-170.000	2.556	-0.762	1.314	0.118
L5	170.000-165.000	6.803	-7.090	4.523	-4.481
L6	165.000-160.000	6.803	-7.090	4.525	-4.483
L7	160.000-155.000	1.948	-9.429	0.854	-6.454
L8	155.000-150.000	1.948	-9.429	0.855	-6.456
L9	150.000-145.000	1.948	-9.429	0.857	-6.458
L10	145.000-140.000	2.039	-9.328	0.964	-6.368
L11	140.000-135.000	2.598	-9.689	1.493	-6.522
L12	135.000-130.000	2.598	-9.689	1.495	-6.525
L13	130.000-125.000	2.598	-9.689	1.496	-6.528
L14	125.000-120.000	2.598	-9.689	1.498	-6.531
L15	120.000-115.000	2.784	-10.377	1.608	-7.004
L16	115.000-112.667	2.026	-7.549	1.334	-5.808
L17	112.667-112.417	1.938	-7.222	1.297	-5.648
L18	112.417-107.417	1.938	-7.222	1.298	-5.649
L19	107.417-103.330	1.686	-6.285	1.180	-5.134
L20	103.330-103.080	1.225	-4.566	1.076	-4.679
L21	103.080-100.000	1.653	-6.159	1.159	-5.040
L22	100.000-95.000	2.083	-7.759	1.377	-5.983
L23	95.000-90.000	1.995	-7.430	1.341	-5.820
L24	90.000-89.500	1.706	-6.353	1.208	-5.240
L25	89.500-89.250	1.706	-6.353	1.208	-5.240
L26	89.250-85.500	1.277	-4.755	1.130	-4.900
L27	85.500-85.250	0.975	-3.633	0.887	-3.846
L28	85.250-84.000	0.990	-3.686	0.899	-3.898
L29	84.000-83.750	1.051	-3.915	0.950	-4.120
L30	83.750-82.500	1.051	-3.915	0.950	-4.120
L31	82.500-82.250	1.051	-3.915	0.951	-4.121
L32	82.250-80.000	1.303	-4.853	1.150	-4.983
L33	80.000-75.000	1.802	-6.710	1.249	-5.409
L34	75.000-70.000	2.249	-8.377	1.447	-6.261
L35	70.000-65.000	2.135	-7.954	1.403	-6.069
L36	65.000-60.000	1.298	-4.835	1.160	-5.014
L37	60.000-58.500	1.723	-6.416	1.227	-5.299
L38	58.500-58.250	1.723	-6.416	1.228	-5.300
L39	58.250-53.250	2.020	-7.524	1.376	-5.939
L40	53.250-48.250	2.365	-8.810	1.520	-6.551
L41	48.250-48.000	2.033	-7.573	1.379	-5.941
L42	48.000-43.000	1.205	-4.488	1.100	-4.733
L43	43.000-40.000	1.107	-4.124	1.028	-4.419
L44	40.000-35.000	0.996	-3.709	0.936	-4.021

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L45	35.000-32.080	1.192	-4.441	1.095	-4.697
L46	32.080-31.830	1.192	-4.441	1.096	-4.699
L47	31.830-28.750	1.192	-4.441	1.097	-4.701
L48	28.750-28.500	1.192	-4.441	1.098	-4.703
L49	28.500-23.500	1.097	-4.086	1.027	-4.394
L50	23.500-18.500	0.976	-3.637	0.936	-3.993
L51	18.500-13.500	0.997	-3.714	0.956	-4.068
L52	13.500-8.500	1.855	-6.909	1.343	-5.696
L53	8.500-3.500	1.855	-6.909	1.357	-5.721
L54	3.500-0.000	2.035	-7.581	1.472	-6.137

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	1	HB114-21U3M12-XXXF(1-1/4")	185.00 - 188.00	1.0000	1.0000
L1	36	Safety Line 3/8	185.00 - 190.00	1.0000	1.0000
L1	37	Climbing Rung	185.00 - 190.00	1.0000	1.0000
L2	1	HB114-21U3M12-XXXF(1-1/4")	180.00 - 185.00	1.0000	1.0000
L2	36	Safety Line 3/8	180.00 - 185.00	1.0000	1.0000
L2	37	Climbing Rung	180.00 - 185.00	1.0000	1.0000
L3	1	HB114-21U3M12-XXXF(1-1/4")	175.00 - 180.00	1.0000	1.0000
L3	36	Safety Line 3/8	175.00 - 180.00	1.0000	1.0000
L3	37	Climbing Rung	175.00 - 180.00	1.0000	1.0000
L4	1	HB114-21U3M12-XXXF(1-1/4")	170.00 - 175.00	1.0000	1.0000
L4	36	Safety Line 3/8	170.00 - 175.00	1.0000	1.0000
L4	37	Climbing Rung	170.00 - 175.00	1.0000	1.0000
L5	1	HB114-21U3M12-XXXF(1-1/4")	165.00 - 170.00	1.0000	1.0000
L5	11	LDF7-50A(1 5/8")	165.00 - 170.00	1.0000	1.0000
L5	36	Safety Line 3/8	165.00 - 170.00	1.0000	1.0000
L5	37	Climbing Rung	165.00 - 170.00	1.0000	1.0000
L6	1	HB114-21U3M12-XXXF(1-1/4")	160.00 - 165.00	1.0000	1.0000
L6	11	LDF7-50A(1 5/8")	160.00 - 165.00	1.0000	1.0000
L6	36	Safety Line 3/8	160.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			165.00		
L6	37	Climbing Rung	160.00 - 165.00	1.0000	1.0000
L7	1	HB114-21U3M12-XXXF(1-1/4")	155.00 - 160.00	1.0000	1.0000
L7	11	LDF7-50A(1 5/8")	155.00 - 160.00	1.0000	1.0000
L7	16	WR-VG86ST-BRD(3/4")	155.00 - 160.00	1.0000	1.0000
L7	18	LDF7-50A(1-5/8)	155.00 - 160.00	1.0000	1.0000
L7	36	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L7	37	Climbing Rung	155.00 - 160.00	1.0000	1.0000
L8	1	HB114-21U3M12-XXXF(1-1/4")	150.00 - 155.00	1.0000	1.0000
L8	11	LDF7-50A(1 5/8")	150.00 - 155.00	1.0000	1.0000
L8	16	WR-VG86ST-BRD(3/4")	150.00 - 155.00	1.0000	1.0000
L8	18	LDF7-50A(1-5/8)	150.00 - 155.00	1.0000	1.0000
L8	36	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L8	37	Climbing Rung	150.00 - 155.00	1.0000	1.0000
L9	1	HB114-21U3M12-XXXF(1-1/4")	145.00 - 150.00	1.0000	1.0000
L9	11	LDF7-50A(1 5/8")	145.00 - 150.00	1.0000	1.0000
L9	16	WR-VG86ST-BRD(3/4")	145.00 - 150.00	1.0000	1.0000
L9	18	LDF7-50A(1-5/8)	145.00 - 150.00	1.0000	1.0000
L9	36	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L9	37	Climbing Rung	145.00 - 150.00	1.0000	1.0000
L10	1	HB114-21U3M12-XXXF(1-1/4")	140.00 - 145.00	1.0000	1.0000
L10	11	LDF7-50A(1 5/8")	140.00 - 145.00	1.0000	1.0000
L10	16	WR-VG86ST-BRD(3/4")	140.00 - 145.00	1.0000	1.0000
L10	18	LDF7-50A(1-5/8)	140.00 - 145.00	1.0000	1.0000
L10	23	CU12PSM9P6XXX(1-1/2)	140.00 - 141.00	1.0000	1.0000
L10	36	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L10	37	Climbing Rung	140.00 - 145.00	1.0000	1.0000
L11	1	HB114-21U3M12-XXXF(1-1/4")	135.00 - 140.00	1.0000	1.0000
L11	11	LDF7-50A(1 5/8")	135.00 - 140.00	1.0000	1.0000
L11	16	WR-VG86ST-BRD(3/4")	135.00 - 140.00	1.0000	1.0000
L11	18	LDF7-50A(1-5/8)	135.00 - 140.00	1.0000	1.0000
L11	23	CU12PSM9P6XXX(1-1/2)	135.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			140.00		
L11	36	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L11	37	Climbing Rung	135.00 - 140.00	1.0000	1.0000
L12	1	HB114-21U3M12-XXXF(1-1/4")	130.00 - 135.00	1.0000	1.0000
L12	11	LDF7-50A(1 5/8")	130.00 - 135.00	1.0000	1.0000
L12	16	WR-VG86ST-BRD(3/4")	130.00 - 135.00	1.0000	1.0000
L12	18	LDF7-50A(1-5/8)	130.00 - 135.00	1.0000	1.0000
L12	23	CU12PSM9P6XXX(1-1/2)	130.00 - 135.00	1.0000	1.0000
L12	36	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L12	37	Climbing Rung	130.00 - 135.00	1.0000	1.0000
L13	1	HB114-21U3M12-XXXF(1-1/4")	125.00 - 130.00	1.0000	1.0000
L13	11	LDF7-50A(1 5/8")	125.00 - 130.00	1.0000	1.0000
L13	16	WR-VG86ST-BRD(3/4")	125.00 - 130.00	1.0000	1.0000
L13	18	LDF7-50A(1-5/8)	125.00 - 130.00	1.0000	1.0000
L13	23	CU12PSM9P6XXX(1-1/2)	125.00 - 130.00	1.0000	1.0000
L13	36	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L13	37	Climbing Rung	125.00 - 130.00	1.0000	1.0000
L14	1	HB114-21U3M12-XXXF(1-1/4")	120.00 - 125.00	1.0000	1.0000
L14	11	LDF7-50A(1 5/8")	120.00 - 125.00	1.0000	1.0000
L14	16	WR-VG86ST-BRD(3/4")	120.00 - 125.00	1.0000	1.0000
L14	18	LDF7-50A(1-5/8)	120.00 - 125.00	1.0000	1.0000
L14	23	CU12PSM9P6XXX(1-1/2)	120.00 - 125.00	1.0000	1.0000
L14	36	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L14	37	Climbing Rung	120.00 - 125.00	1.0000	1.0000
L15	1	HB114-21U3M12-XXXF(1-1/4")	115.00 - 120.00	1.0000	1.0000
L15	11	LDF7-50A(1 5/8")	115.00 - 120.00	1.0000	1.0000
L15	16	WR-VG86ST-BRD(3/4")	115.00 - 120.00	1.0000	1.0000
L15	18	LDF7-50A(1-5/8)	115.00 - 120.00	1.0000	1.0000
L15	23	CU12PSM9P6XXX(1-1/2)	115.00 - 120.00	1.0000	1.0000
L15	36	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L15	37	Climbing Rung	115.00 - 120.00	1.0000	1.0000
L16	1	HB114-21U3M12-XXXF(1-	112.67 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		/4")	115.00		
L16	11	LDF7-50A(1 5/8")	112.67 - 115.00	1.0000	1.0000
L16	16	WR-VG86ST-BRD(3/4")	112.67 - 115.00	1.0000	1.0000
L16	18	LDF7-50A(1-5/8)	112.67 - 115.00	1.0000	1.0000
L16	23	CU12PSM9P6XXX(1-1/2)	112.67 - 115.00	1.0000	1.0000
L16	36	Safety Line 3/8	112.67 - 115.00	1.0000	1.0000
L16	37	Climbing Rung	112.67 - 115.00	1.0000	1.0000
L16	55	CCI 6" x 1" Plate	112.67 - 114.67	1.0000	1.0000
L16	56	CCI 6" x 1" Plate	112.67 - 114.67	1.0000	1.0000
L16	57	CCI 6" x 1" Plate	112.67 - 114.67	1.0000	1.0000
L17	1	HB114-21U3M12-XXXF(1-1 /4")	112.42 - 112.67	1.0000	1.0000
L17	11	LDF7-50A(1 5/8")	112.42 - 112.67	1.0000	1.0000
L17	16	WR-VG86ST-BRD(3/4")	112.42 - 112.67	1.0000	1.0000
L17	18	LDF7-50A(1-5/8)	112.42 - 112.67	1.0000	1.0000
L17	23	CU12PSM9P6XXX(1-1/2)	112.42 - 112.67	1.0000	1.0000
L17	36	Safety Line 3/8	112.42 - 112.67	1.0000	1.0000
L17	37	Climbing Rung	112.42 - 112.67	1.0000	1.0000
L17	55	CCI 6" x 1" Plate	112.42 - 112.67	1.0000	1.0000
L17	56	CCI 6" x 1" Plate	112.42 - 112.67	1.0000	1.0000
L17	57	CCI 6" x 1" Plate	112.42 - 112.67	1.0000	1.0000
L18	1	HB114-21U3M12-XXXF(1-1 /4")	107.42 - 112.42	1.0000	1.0000
L18	11	LDF7-50A(1 5/8")	107.42 - 112.42	1.0000	1.0000
L18	16	WR-VG86ST-BRD(3/4")	107.42 - 112.42	1.0000	1.0000
L18	18	LDF7-50A(1-5/8)	107.42 - 112.42	1.0000	1.0000
L18	23	CU12PSM9P6XXX(1-1/2)	107.42 - 112.42	1.0000	1.0000
L18	36	Safety Line 3/8	107.42 - 112.42	1.0000	1.0000
L18	37	Climbing Rung	107.42 - 112.42	1.0000	1.0000
L18	55	CCI 6" x 1" Plate	107.42 - 112.42	1.0000	1.0000
L18	56	CCI 6" x 1" Plate	107.42 - 112.42	1.0000	1.0000
L18	57	CCI 6" x 1" Plate	107.42 - 112.42	1.0000	1.0000
L19	1	HB114-21U3M12-XXXF(1-1 /4")	103.33 - 107.42	1.0000	1.0000
L19	11	LDF7-50A(1 5/8")	103.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			107.42		
L19	16	WR-VG86ST-BRD(3/4")	103.33 - 107.42	1.0000	1.0000
L19	18	LDF7-50A(1-5/8)	103.33 - 107.42	1.0000	1.0000
L19	23	CU12PSM9P6XXX(1-1/2)	103.33 - 107.42	1.0000	1.0000
L19	36	Safety Line 3/8	103.33 - 107.42	1.0000	1.0000
L19	37	Climbing Rung	103.33 - 107.42	1.0000	1.0000
L19	51	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	52	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	53	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	55	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L19	56	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L19	57	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L20	1	HB114-21U3M12-XXXF(1-1/4")	103.08 - 103.33	1.0000	1.0000
L20	11	LDF7-50A(1 5/8")	103.08 - 103.33	1.0000	1.0000
L20	16	WR-VG86ST-BRD(3/4")	103.08 - 103.33	1.0000	1.0000
L20	18	LDF7-50A(1-5/8)	103.08 - 103.33	1.0000	1.0000
L20	23	CU12PSM9P6XXX(1-1/2)	103.08 - 103.33	1.0000	1.0000
L20	36	Safety Line 3/8	103.08 - 103.33	1.0000	1.0000
L20	37	Climbing Rung	103.08 - 103.33	1.0000	1.0000
L20	51	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	52	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	53	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	55	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	56	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	57	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L21	1	HB114-21U3M12-XXXF(1-1/4")	100.00 - 103.08	1.0000	1.0000
L21	11	LDF7-50A(1 5/8")	100.00 - 103.08	1.0000	1.0000
L21	16	WR-VG86ST-BRD(3/4")	100.00 - 103.08	1.0000	1.0000
L21	18	LDF7-50A(1-5/8)	100.00 - 103.08	1.0000	1.0000
L21	23	CU12PSM9P6XXX(1-1/2)	100.00 - 103.08	1.0000	1.0000
L21	36	Safety Line 3/8	100.00 - 103.08	1.0000	1.0000
L21	37	Climbing Rung	100.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			103.08		
L21	51	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	52	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	53	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	55	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L21	56	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L21	57	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L22	1	HB114-21U3M12-XXXF(1-1/4")	95.00 - 100.00	1.0000	1.0000
L22	11	LDF7-50A(1 5/8")	95.00 - 100.00	1.0000	1.0000
L22	16	WR-VG86ST-BRD(3/4")	95.00 - 100.00	1.0000	1.0000
L22	18	LDF7-50A(1-5/8)	95.00 - 100.00	1.0000	1.0000
L22	23	CU12PSM9P6XXX(1-1/2)	95.00 - 100.00	1.0000	1.0000
L22	36	Safety Line 3/8	95.00 - 100.00	1.0000	1.0000
L22	37	Climbing Rung	95.00 - 100.00	1.0000	1.0000
L22	51	CCI 6" x 1" Plate	95.00 - 100.00	1.0000	1.0000
L22	52	CCI 6" x 1" Plate	95.00 - 100.00	1.0000	1.0000
L22	53	CCI 6" x 1" Plate	95.00 - 100.00	1.0000	1.0000
L23	1	HB114-21U3M12-XXXF(1-1/4")	90.00 - 95.00	1.0000	1.0000
L23	11	LDF7-50A(1 5/8")	90.00 - 95.00	1.0000	1.0000
L23	16	WR-VG86ST-BRD(3/4")	90.00 - 95.00	1.0000	1.0000
L23	18	LDF7-50A(1-5/8)	90.00 - 95.00	1.0000	1.0000
L23	23	CU12PSM9P6XXX(1-1/2)	90.00 - 95.00	1.0000	1.0000
L23	36	Safety Line 3/8	90.00 - 95.00	1.0000	1.0000
L23	37	Climbing Rung	90.00 - 95.00	1.0000	1.0000
L23	51	CCI 6" x 1" Plate	90.00 - 95.00	1.0000	1.0000
L23	52	CCI 6" x 1" Plate	90.00 - 95.00	1.0000	1.0000
L23	53	CCI 6" x 1" Plate	90.00 - 95.00	1.0000	1.0000
L23	59	CCI 4.5" x 1" Plate	90.00 - 91.00	1.0000	1.0000
L23	60	CCI 4.5" x 1" Plate	90.00 - 91.00	1.0000	1.0000
L23	61	CCI 4.5" x 1" Plate	90.00 - 91.00	1.0000	1.0000
L24	1	HB114-21U3M12-XXXF(1-1/4")	89.50 - 90.00	1.0000	1.0000
L24	11	LDF7-50A(1 5/8")	89.50 - 90.00	1.0000	1.0000
L24	16	WR-VG86ST-BRD(3/4")	89.50 - 90.00	1.0000	1.0000
L24	18	LDF7-50A(1-5/8)	89.50 - 90.00	1.0000	1.0000
L24	23	CU12PSM9P6XXX(1-1/2)	89.50 - 90.00	1.0000	1.0000
L24	36	Safety Line 3/8	89.50 - 90.00	1.0000	1.0000
L24	37	Climbing Rung	89.50 - 90.00	1.0000	1.0000
L24	51	CCI 6" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L24	52	CCI 6" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L24	53	CCI 6" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L24	59	CCI 4.5" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L24	60	CCI 4.5" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L24	61	CCI 4.5" x 1" Plate	89.50 - 90.00	1.0000	1.0000
L25	1	HB114-21U3M12-XXXF(1-1/4")	89.25 - 89.50	1.0000	1.0000
L25	11	LDF7-50A(1 5/8")	89.25 - 89.50	1.0000	1.0000
L25	16	WR-VG86ST-BRD(3/4")	89.25 - 89.50	1.0000	1.0000
L25	18	LDF7-50A(1-5/8)	89.25 - 89.50	1.0000	1.0000
L25	23	CU12PSM9P6XXX(1-1/2)	89.25 - 89.50	1.0000	1.0000
L25	36	Safety Line 3/8	89.25 - 89.50	1.0000	1.0000
L25	37	Climbing Rung	89.25 - 89.50	1.0000	1.0000
L25	51	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	52	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L25	53	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	59	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	60	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	61	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L26	1	HB114-21U3M12-XXXF(1-1/4")	85.50 - 89.25	1.0000	1.0000
L26	11	LDF7-50A(1 5/8")	85.50 - 89.25	1.0000	1.0000
L26	16	WR-VG86ST-BRD(3/4")	85.50 - 89.25	1.0000	1.0000
L26	18	LDF7-50A(1-5/8)	85.50 - 89.25	1.0000	1.0000
L26	23	CU12PSM9P6XXX(1-1/2)	85.50 - 89.25	1.0000	1.0000
L26	36	Safety Line 3/8	85.50 - 89.25	1.0000	1.0000
L26	37	Climbing Rung	85.50 - 89.25	1.0000	1.0000
L26	47	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	48	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	49	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	51	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	52	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	53	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	59	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	60	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	61	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	81	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L26	82	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L26	83	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L26	125	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L26	126	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L26	127	4.5" x 1" Plate	85.50 - 85.75	1.0000	1.0000
L27	1	HB114-21U3M12-XXXF(1-1/4")	85.25 - 85.50	1.0000	1.0000
L27	11	LDF7-50A(1 5/8")	85.25 - 85.50	1.0000	1.0000
L27	16	WR-VG86ST-BRD(3/4")	85.25 - 85.50	1.0000	1.0000
L27	18	LDF7-50A(1-5/8)	85.25 - 85.50	1.0000	1.0000
L27	23	CU12PSM9P6XXX(1-1/2)	85.25 - 85.50	1.0000	1.0000
L27	36	Safety Line 3/8	85.25 - 85.50	1.0000	1.0000
L27	37	Climbing Rung	85.25 - 85.50	1.0000	1.0000
L27	47	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	48	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	49	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	51	CCI 6" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	52	CCI 6" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	53	CCI 6" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	59	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	60	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	61	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	81	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	82	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	83	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	125	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	126	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	127	4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L28	1	HB114-21U3M12-XXXF(1-1/4")	84.00 - 85.25	1.0000	1.0000
L28	11	LDF7-50A(1 5/8")	84.00 - 85.25	1.0000	1.0000
L28	16	WR-VG86ST-BRD(3/4")	84.00 - 85.25	1.0000	1.0000
L28	18	LDF7-50A(1-5/8)	84.00 - 85.25	1.0000	1.0000
L28	23	CU12PSM9P6XXX(1-1/2)	84.00 - 85.25	1.0000	1.0000
L28	36	Safety Line 3/8	84.00 - 85.25	1.0000	1.0000
L28	37	Climbing Rung	84.00 - 85.25	1.0000	1.0000
L28	47	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	48	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	49	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	51	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L28	52	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	53	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	59	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	60	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	61	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	81	4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	82	4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	83	4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	125	4.5" x 1" Plate	84.25 - 85.25	1.0000	1.0000
L28	126	4.5" x 1" Plate	84.25 - 85.25	1.0000	1.0000
L28	127	4.5" x 1" Plate	84.25 - 85.25	1.0000	1.0000
L29	1	HB114-21U3M12-XXXF(1-1/4")	83.75 - 84.00	1.0000	1.0000
L29	11	LDF7-50A(1 5/8")	83.75 - 84.00	1.0000	1.0000
L29	16	WR-VG86ST-BRD(3/4")	83.75 - 84.00	1.0000	1.0000
L29	18	LDF7-50A(1-5/8)	83.75 - 84.00	1.0000	1.0000
L29	23	CU12PSM9P6XXX(1-1/2)	83.75 - 84.00	1.0000	1.0000
L29	36	Safety Line 3/8	83.75 - 84.00	1.0000	1.0000
L29	37	Climbing Rung	83.75 - 84.00	1.0000	1.0000
L29	47	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	48	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	49	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	51	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	52	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	53	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	59	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	60	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	61	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	81	4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	82	4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	83	4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L30	1	HB114-21U3M12-XXXF(1-1/4")	82.50 - 83.75	1.0000	1.0000
L30	11	LDF7-50A(1 5/8")	82.50 - 83.75	1.0000	1.0000
L30	16	WR-VG86ST-BRD(3/4")	82.50 - 83.75	1.0000	1.0000
L30	18	LDF7-50A(1-5/8)	82.50 - 83.75	1.0000	1.0000
L30	23	CU12PSM9P6XXX(1-1/2)	82.50 - 83.75	1.0000	1.0000
L30	36	Safety Line 3/8	82.50 - 83.75	1.0000	1.0000
L30	37	Climbing Rung	82.50 - 83.75	1.0000	1.0000
L30	47	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	48	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	49	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	51	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	52	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	53	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	59	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	60	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	61	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	81	4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	82	4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	83	4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L31	1	HB114-21U3M12-XXXF(1-1/4")	82.25 - 82.50	1.0000	1.0000
L31	11	LDF7-50A(1 5/8")	82.25 - 82.50	1.0000	1.0000
L31	16	WR-VG86ST-BRD(3/4")	82.25 - 82.50	1.0000	1.0000
L31	18	LDF7-50A(1-5/8)	82.25 - 82.50	1.0000	1.0000
L31	23	CU12PSM9P6XXX(1-1/2)	82.25 - 82.50	1.0000	1.0000
L31	36	Safety Line 3/8	82.25 - 82.50	1.0000	1.0000
L31	37	Climbing Rung	82.25 - 82.50	1.0000	1.0000
L31	47	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	48	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	49	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L31	51	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	52	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	53	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	59	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	60	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	61	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	81	4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	82	4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	83	4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L32	1	HB114-21U3M12-XXXF(1-1/4")	80.00 - 82.25	1.0000	1.0000
L32	11	LDF7-50A(1 5/8")	80.00 - 82.25	1.0000	1.0000
L32	16	WR-VG86ST-BRD(3/4")	80.00 - 82.25	1.0000	1.0000
L32	18	LDF7-50A(1-5/8)	80.00 - 82.25	1.0000	1.0000
L32	23	CU12PSM9P6XXX(1-1/2)	80.00 - 82.25	1.0000	1.0000
L32	36	Safety Line 3/8	80.00 - 82.25	1.0000	1.0000
L32	37	Climbing Rung	80.00 - 82.25	1.0000	1.0000
L32	47	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	48	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	49	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	51	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	52	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	53	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	59	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	60	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	61	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	81	4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	82	4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	83	4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L33	1	HB114-21U3M12-XXXF(1-1/4")	75.00 - 80.00	1.0000	1.0000
L33	11	LDF7-50A(1 5/8")	75.00 - 80.00	1.0000	1.0000
L33	16	WR-VG86ST-BRD(3/4")	75.00 - 80.00	1.0000	1.0000
L33	18	LDF7-50A(1-5/8)	75.00 - 80.00	1.0000	1.0000
L33	23	CU12PSM9P6XXX(1-1/2)	75.00 - 80.00	1.0000	1.0000
L33	36	Safety Line 3/8	75.00 - 80.00	1.0000	1.0000
L33	37	Climbing Rung	75.00 - 80.00	1.0000	1.0000
L33	47	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	48	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	49	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	81	4.5" x 1" Plate	75.75 - 80.00	1.0000	1.0000
L33	82	4.5" x 1" Plate	75.75 - 80.00	1.0000	1.0000
L33	83	4.5" x 1" Plate	75.75 - 80.00	1.0000	1.0000
L33	121	4.5" x 1" Plate	75.75 - 77.25	1.0000	1.0000
L33	122	4.5" x 1" Plate	75.75 - 77.25	1.0000	1.0000
L33	123	4.5" x 1" Plate	75.75 - 77.25	1.0000	1.0000
L34	1	HB114-21U3M12-XXXF(1-1/4")	70.00 - 75.00	1.0000	1.0000
L34	11	LDF7-50A(1 5/8")	70.00 - 75.00	1.0000	1.0000
L34	16	WR-VG86ST-BRD(3/4")	70.00 - 75.00	1.0000	1.0000
L34	18	LDF7-50A(1-5/8)	70.00 - 75.00	1.0000	1.0000
L34	23	CU12PSM9P6XXX(1-1/2)	70.00 - 75.00	1.0000	1.0000
L34	36	Safety Line 3/8	70.00 - 75.00	1.0000	1.0000
L34	37	Climbing Rung	70.00 - 75.00	1.0000	1.0000
L34	47	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L34	48	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L34	49	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L35	1	HB114-21U3M12-XXXF(1-1/4")	65.00 - 70.00	1.0000	1.0000
L35	11	LDF7-50A(1 5/8")	65.00 - 70.00	1.0000	1.0000
L35	16	WR-VG86ST-BRD(3/4")	65.00 - 70.00	1.0000	1.0000
L35	18	LDF7-50A(1-5/8)	65.00 - 70.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L35	23	CU12PSM9P6XXX(1-1/2)	65.00 - 70.00	1.0000	1.0000
L35	36	Safety Line 3/8	65.00 - 70.00	1.0000	1.0000
L35	37	Climbing Rung	65.00 - 70.00	1.0000	1.0000
L35	47	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	48	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	49	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	77	6.5" x 1.25" Plate	65.00 - 65.50	1.0000	1.0000
L35	78	6.5" x 1.25" Plate	65.00 - 65.50	1.0000	1.0000
L35	79	6.5" x 1.25" Plate	65.00 - 65.50	1.0000	1.0000
L35	117	6.5" x 1" Plate	65.00 - 65.50	1.0000	1.0000
L35	118	6.5" x 1" Plate	65.00 - 65.50	1.0000	1.0000
L35	119	6.5" x 1" Plate	65.00 - 65.50	1.0000	1.0000
L36	1	HB114-21U3M12-XXXF(1-1/4")	60.00 - 65.00	1.0000	1.0000
L36	11	LDF7-50A(1 5/8")	60.00 - 65.00	1.0000	1.0000
L36	16	WR-VG86ST-BRD(3/4")	60.00 - 65.00	1.0000	1.0000
L36	18	LDF7-50A(1-5/8)	60.00 - 65.00	1.0000	1.0000
L36	23	CU12PSM9P6XXX(1-1/2)	60.00 - 65.00	1.0000	1.0000
L36	36	Safety Line 3/8	60.00 - 65.00	1.0000	1.0000
L36	37	Climbing Rung	60.00 - 65.00	1.0000	1.0000
L36	47	CCI 4.5" x 1" Plate	60.00 - 65.00	1.0000	1.0000
L36	48	CCI 4.5" x 1" Plate	60.00 - 65.00	1.0000	1.0000
L36	49	CCI 4.5" x 1" Plate	60.00 - 65.00	1.0000	1.0000
L36	77	6.5" x 1.25" Plate	60.00 - 65.00	1.0000	1.0000
L36	78	6.5" x 1.25" Plate	60.00 - 65.00	1.0000	1.0000
L36	79	6.5" x 1.25" Plate	60.00 - 65.00	1.0000	1.0000
L36	117	6.5" x 1" Plate	62.75 - 65.00	1.0000	1.0000
L36	118	6.5" x 1" Plate	62.75 - 65.00	1.0000	1.0000
L36	119	6.5" x 1" Plate	62.75 - 65.00	1.0000	1.0000
L37	1	HB114-21U3M12-XXXF(1-1/4")	58.50 - 60.00	1.0000	1.0000
L37	11	LDF7-50A(1 5/8")	58.50 - 60.00	1.0000	1.0000
L37	16	WR-VG86ST-BRD(3/4")	58.50 - 60.00	1.0000	1.0000
L37	18	LDF7-50A(1-5/8)	58.50 - 60.00	1.0000	1.0000
L37	23	CU12PSM9P6XXX(1-1/2)	58.50 - 60.00	1.0000	1.0000
L37	36	Safety Line 3/8	58.50 - 60.00	1.0000	1.0000
L37	37	Climbing Rung	58.50 - 60.00	1.0000	1.0000
L37	47	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	48	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	49	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	77	6.5" x 1.25" Plate	58.50 - 60.00	1.0000	1.0000
L37	78	6.5" x 1.25" Plate	58.50 - 60.00	1.0000	1.0000
L37	79	6.5" x 1.25" Plate	58.50 - 60.00	1.0000	1.0000
L38	1	HB114-21U3M12-XXXF(1-1/4")	58.25 - 58.50	1.0000	1.0000
L38	11	LDF7-50A(1 5/8")	58.25 - 58.50	1.0000	1.0000
L38	16	WR-VG86ST-BRD(3/4")	58.25 - 58.50	1.0000	1.0000
L38	18	LDF7-50A(1-5/8)	58.25 - 58.50	1.0000	1.0000
L38	23	CU12PSM9P6XXX(1-1/2)	58.25 - 58.50	1.0000	1.0000
L38	36	Safety Line 3/8	58.25 - 58.50	1.0000	1.0000
L38	37	Climbing Rung	58.25 - 58.50	1.0000	1.0000
L38	47	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	48	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	49	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	77	6.5" x 1.25" Plate	58.25 - 58.50	1.0000	1.0000
L38	78	6.5" x 1.25" Plate	58.25 - 58.50	1.0000	1.0000
L38	79	6.5" x 1.25" Plate	58.25 - 58.50	1.0000	1.0000
L39	1	HB114-21U3M12-XXXF(1-1/4")	53.25 - 58.25	1.0000	1.0000
L39	11	LDF7-50A(1 5/8")	53.25 - 58.25	1.0000	1.0000
L39	16	WR-VG86ST-BRD(3/4")	53.25 - 58.25	1.0000	1.0000
L39	18	LDF7-50A(1-5/8)	53.25 - 58.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	23	CU12PSM9P6XXX(1-1/2)	53.25 - 58.25	1.0000	1.0000
L39	36	Safety Line 3/8	53.25 - 58.25	1.0000	1.0000
L39	37	Climbing Rung	53.25 - 58.25	1.0000	1.0000
L39	47	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	48	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	49	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	77	6.5" x 1.25" Plate	55.50 - 58.25	1.0000	1.0000
L39	78	6.5" x 1.25" Plate	55.50 - 58.25	1.0000	1.0000
L39	79	6.5" x 1.25" Plate	55.50 - 58.25	1.0000	1.0000
L39	113	6.5" x 1" Plate	55.50 - 58.25	1.0000	1.0000
L39	114	6.5" x 1" Plate	55.50 - 58.25	1.0000	1.0000
L39	115	6.5" x 1" Plate	55.50 - 58.25	1.0000	1.0000
L40	1	HB114-21U3M12-XXXF(1-1/4")	48.25 - 53.25	1.0000	1.0000
L40	11	LDF7-50A(1 5/8")	48.25 - 53.25	1.0000	1.0000
L40	16	WR-VG86ST-BRD(3/4")	48.25 - 53.25	1.0000	1.0000
L40	18	LDF7-50A(1-5/8)	48.25 - 53.25	1.0000	1.0000
L40	23	CU12PSM9P6XXX(1-1/2)	48.25 - 53.25	1.0000	1.0000
L40	36	Safety Line 3/8	48.25 - 53.25	1.0000	1.0000
L40	37	Climbing Rung	48.25 - 53.25	1.0000	1.0000
L40	43	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L40	44	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L40	45	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L41	1	HB114-21U3M12-XXXF(1-1/4")	48.00 - 48.25	1.0000	1.0000
L41	11	LDF7-50A(1 5/8")	48.00 - 48.25	1.0000	1.0000
L41	16	WR-VG86ST-BRD(3/4")	48.00 - 48.25	1.0000	1.0000
L41	18	LDF7-50A(1-5/8)	48.00 - 48.25	1.0000	1.0000
L41	23	CU12PSM9P6XXX(1-1/2)	48.00 - 48.25	1.0000	1.0000
L41	36	Safety Line 3/8	48.00 - 48.25	1.0000	1.0000
L41	37	Climbing Rung	48.00 - 48.25	1.0000	1.0000
L41	43	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L41	44	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L41	45	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L42	1	HB114-21U3M12-XXXF(1-1/4")	43.00 - 48.00	1.0000	1.0000
L42	11	LDF7-50A(1 5/8")	43.00 - 48.00	1.0000	1.0000
L42	16	WR-VG86ST-BRD(3/4")	43.00 - 48.00	1.0000	1.0000
L42	18	LDF7-50A(1-5/8)	43.00 - 48.00	1.0000	1.0000
L42	23	CU12PSM9P6XXX(1-1/2)	43.00 - 48.00	1.0000	1.0000
L42	36	Safety Line 3/8	43.00 - 48.00	1.0000	1.0000
L42	37	Climbing Rung	43.00 - 48.00	1.0000	1.0000
L42	43	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	44	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	45	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	70	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	71	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	72	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	73	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	74	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	75	6" x 1" Plate	43.00 - 45.25	1.0000	1.0000
L42	106	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L42	107	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L42	108	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L42	109	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L42	110	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L42	111	6" x 1.25" Plate	43.25 - 45.25	1.0000	1.0000
L43	1	HB114-21U3M12-XXXF(1-1/4")	40.00 - 43.00	1.0000	1.0000
L43	11	LDF7-50A(1 5/8")	40.00 - 43.00	1.0000	1.0000
L43	16	WR-VG86ST-BRD(3/4")	40.00 - 43.00	1.0000	1.0000
L43	18	LDF7-50A(1-5/8)	40.00 - 43.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L43	23	CU12PSM9P6XXX(1-1/2)	40.00 - 43.00	1.0000	1.0000
L43	36	Safety Line 3/8	40.00 - 43.00	1.0000	1.0000
L43	37	Climbing Rung	40.00 - 43.00	1.0000	1.0000
L43	43	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	44	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	45	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	70	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L43	71	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L43	72	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L43	73	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L43	74	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L43	75	6" x 1" Plate	40.00 - 43.00	1.0000	1.0000
L44	1	HB114-21U3M12-XXXF(1-1/4")	35.00 - 40.00	1.0000	1.0000
L44	11	LDF7-50A(1 5/8")	35.00 - 40.00	1.0000	1.0000
L44	16	WR-VG86ST-BRD(3/4")	35.00 - 40.00	1.0000	1.0000
L44	18	LDF7-50A(1-5/8)	35.00 - 40.00	1.0000	1.0000
L44	23	CU12PSM9P6XXX(1-1/2)	35.00 - 40.00	1.0000	1.0000
L44	36	Safety Line 3/8	35.00 - 40.00	1.0000	1.0000
L44	37	Climbing Rung	35.00 - 40.00	1.0000	1.0000
L44	39	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	40	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	41	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	43	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	44	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	45	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	70	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	71	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	72	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	73	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	74	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	75	6" x 1" Plate	35.25 - 40.00	1.0000	1.0000
L44	99	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L44	100	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L44	101	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L44	102	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L44	103	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L44	104	6" x 1.25" Plate	35.25 - 37.25	1.0000	1.0000
L45	1	HB114-21U3M12-XXXF(1-1/4")	32.08 - 35.00	1.0000	1.0000
L45	11	LDF7-50A(1 5/8")	32.08 - 35.00	1.0000	1.0000
L45	16	WR-VG86ST-BRD(3/4")	32.08 - 35.00	1.0000	1.0000
L45	18	LDF7-50A(1-5/8)	32.08 - 35.00	1.0000	1.0000
L45	23	CU12PSM9P6XXX(1-1/2)	32.08 - 35.00	1.0000	1.0000
L45	36	Safety Line 3/8	32.08 - 35.00	1.0000	1.0000
L45	37	Climbing Rung	32.08 - 35.00	1.0000	1.0000
L45	39	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	40	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	41	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	43	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	44	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	45	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L46	1	HB114-21U3M12-XXXF(1-1/4")	31.83 - 32.08	1.0000	1.0000
L46	11	LDF7-50A(1 5/8")	31.83 - 32.08	1.0000	1.0000
L46	16	WR-VG86ST-BRD(3/4")	31.83 - 32.08	1.0000	1.0000
L46	18	LDF7-50A(1-5/8)	31.83 - 32.08	1.0000	1.0000
L46	23	CU12PSM9P6XXX(1-1/2)	31.83 - 32.08	1.0000	1.0000
L46	36	Safety Line 3/8	31.83 - 32.08	1.0000	1.0000
L46	37	Climbing Rung	31.83 - 32.08	1.0000	1.0000
L46	39	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	40	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L46	41	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	43	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	44	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	45	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L47	1	HB114-21U3M12-XXXF(1-1/4")	28.75 - 31.83	1.0000	1.0000
L47	11	LDF7-50A(1 5/8")	28.75 - 31.83	1.0000	1.0000
L47	16	WR-VG86ST-BRD(3/4")	28.75 - 31.83	1.0000	1.0000
L47	18	LDF7-50A(1-5/8)	28.75 - 31.83	1.0000	1.0000
L47	23	CU12PSM9P6XXX(1-1/2)	28.75 - 31.83	1.0000	1.0000
L47	36	Safety Line 3/8	28.75 - 31.83	1.0000	1.0000
L47	37	Climbing Rung	28.75 - 31.83	1.0000	1.0000
L47	39	8.5"x1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	40	8.5"x1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	41	8.5"x1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	43	CCI 6.5" x 1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	44	CCI 6.5" x 1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	45	CCI 6.5" x 1.25" Plate	28.75 - 31.83	1.0000	1.0000
L48	1	HB114-21U3M12-XXXF(1-1/4")	28.50 - 28.75	1.0000	1.0000
L48	11	LDF7-50A(1 5/8")	28.50 - 28.75	1.0000	1.0000
L48	16	WR-VG86ST-BRD(3/4")	28.50 - 28.75	1.0000	1.0000
L48	18	LDF7-50A(1-5/8)	28.50 - 28.75	1.0000	1.0000
L48	23	CU12PSM9P6XXX(1-1/2)	28.50 - 28.75	1.0000	1.0000
L48	36	Safety Line 3/8	28.50 - 28.75	1.0000	1.0000
L48	37	Climbing Rung	28.50 - 28.75	1.0000	1.0000
L48	39	8.5"x1.25" Plate	28.50 - 28.75	1.0000	1.0000
L48	40	8.5"x1.25" Plate	28.50 - 28.75	1.0000	1.0000
L48	41	8.5"x1.25" Plate	28.50 - 28.75	1.0000	1.0000
L48	43	CCI 6.5" x 1.25" Plate	28.50 - 28.75	1.0000	1.0000
L48	44	CCI 6.5" x 1.25" Plate	28.50 - 28.75	1.0000	1.0000
L48	45	CCI 6.5" x 1.25" Plate	28.50 - 28.75	1.0000	1.0000
L49	1	HB114-21U3M12-XXXF(1-1/4")	23.50 - 28.50	1.0000	1.0000
L49	11	LDF7-50A(1 5/8")	23.50 - 28.50	1.0000	1.0000
L49	16	WR-VG86ST-BRD(3/4")	23.50 - 28.50	1.0000	1.0000
L49	18	LDF7-50A(1-5/8)	23.50 - 28.50	1.0000	1.0000
L49	23	CU12PSM9P6XXX(1-1/2)	23.50 - 28.50	1.0000	1.0000
L49	36	Safety Line 3/8	23.50 - 28.50	1.0000	1.0000
L49	37	Climbing Rung	23.50 - 28.50	1.0000	1.0000
L49	39	8.5"x1.25" Plate	23.50 - 28.50	1.0000	1.0000
L49	40	8.5"x1.25" Plate	23.50 - 28.50	1.0000	1.0000
L49	41	8.5"x1.25" Plate	23.50 - 28.50	1.0000	1.0000
L49	43	CCI 6.5" x 1.25" Plate	26.00 - 28.50	1.0000	1.0000
L49	44	CCI 6.5" x 1.25" Plate	26.00 - 28.50	1.0000	1.0000
L49	45	CCI 6.5" x 1.25" Plate	26.00 - 28.50	1.0000	1.0000
L49	63	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	64	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	65	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	66	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	67	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	68	6.5" x 1.25" Plate	23.50 - 25.00	1.0000	1.0000
L49	92	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L49	93	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L49	94	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L49	95	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L49	96	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L49	97	6.5" x 1" Plate	23.50 - 25.00	1.0000	1.0000
L50	1	HB114-21U3M12-XXXF(1-1/4")	18.50 - 23.50	1.0000	1.0000
L50	11	LDF7-50A(1 5/8")	18.50 - 23.50	1.0000	1.0000
L50	16	WR-VG86ST-BRD(3/4")	18.50 - 23.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L50	18	LDF7-50A(1-5/8)	18.50 - 23.50	1.0000	1.0000
L50	23	CU12PSM9P6XXX(1-1/2)	18.50 - 23.50	1.0000	1.0000
L50	36	Safety Line 3/8	18.50 - 23.50	1.0000	1.0000
L50	37	Climbing Rung	18.50 - 23.50	1.0000	1.0000
L50	39	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	40	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	41	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	63	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	64	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	65	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	66	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	67	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	68	6.5" x 1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	92	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L50	93	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L50	94	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L50	95	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L50	96	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L50	97	6.5" x 1" Plate	22.25 - 23.50	1.0000	1.0000
L51	1	HB114-21U3M12-XXXF(1-1/4")	13.50 - 18.50	1.0000	1.0000
L51	11	LDF7-50A(1 5/8")	13.50 - 18.50	1.0000	1.0000
L51	16	WR-VG86ST-BRD(3/4")	13.50 - 18.50	1.0000	1.0000
L51	18	LDF7-50A(1-5/8)	13.50 - 18.50	1.0000	1.0000
L51	23	CU12PSM9P6XXX(1-1/2)	13.50 - 18.50	1.0000	1.0000
L51	36	Safety Line 3/8	13.50 - 18.50	1.0000	1.0000
L51	37	Climbing Rung	13.50 - 18.50	1.0000	1.0000
L51	39	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	40	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	41	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	63	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	64	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	65	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	66	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	67	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	68	6.5" x 1.25" Plate	15.00 - 18.50	1.0000	1.0000
L51	85	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L51	86	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L51	87	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L51	88	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L51	89	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L51	90	6.5" x 1" Plate	15.00 - 17.75	1.0000	1.0000
L52	1	HB114-21U3M12-XXXF(1-1/4")	8.50 - 13.50	1.0000	1.0000
L52	11	LDF7-50A(1 5/8")	8.50 - 13.50	1.0000	1.0000
L52	16	WR-VG86ST-BRD(3/4")	8.50 - 13.50	1.0000	1.0000
L52	18	LDF7-50A(1-5/8)	8.50 - 13.50	1.0000	1.0000
L52	23	CU12PSM9P6XXX(1-1/2)	8.50 - 13.50	1.0000	1.0000
L52	36	Safety Line 3/8	8.50 - 13.50	1.0000	1.0000
L52	37	Climbing Rung	8.50 - 13.50	1.0000	1.0000
L52	39	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L52	40	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L52	41	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L53	1	HB114-21U3M12-XXXF(1-1/4")	3.50 - 8.50	1.0000	1.0000
L53	11	LDF7-50A(1 5/8")	3.50 - 8.50	1.0000	1.0000
L53	16	WR-VG86ST-BRD(3/4")	3.50 - 8.50	1.0000	1.0000
L53	18	LDF7-50A(1-5/8)	3.50 - 8.50	1.0000	1.0000
L53	23	CU12PSM9P6XXX(1-1/2)	3.50 - 8.50	1.0000	1.0000
L53	36	Safety Line 3/8	3.50 - 8.50	1.0000	1.0000
L53	37	Climbing Rung	3.50 - 8.50	1.0000	1.0000
L53	39	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L53	40	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000
L53	41	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000
L54	1	HB114-21U3M12-XXXF(1-1/4")	0.00 - 3.50	1.0000	1.0000
L54	11	LDF7-50A(1 5/8")	0.00 - 3.50	1.0000	1.0000
L54	16	WR-VG86ST-BRD(3/4")	0.00 - 3.50	1.0000	1.0000
L54	18	LDF7-50A(1-5/8)	0.00 - 3.50	1.0000	1.0000
L54	23	CU12PSM9P6XXX(1-1/2)	0.00 - 3.50	1.0000	1.0000
L54	36	Safety Line 3/8	0.00 - 3.50	1.0000	1.0000
L54	37	Climbing Rung	0.00 - 3.50	1.0000	1.0000
L54	39	8.5"x1.25" Plate	0.83 - 3.50	1.0000	1.0000
L54	40	8.5"x1.25" Plate	0.83 - 3.50	1.0000	1.0000
L54	41	8.5"x1.25" Plate	0.83 - 3.50	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
L16	55	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L16	56	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L16	57	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L17	55	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L17	56	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L17	57	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L18	55	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L18	56	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L18	57	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L19	51	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	52	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	53	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	55	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000
L19	56	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000
L19	57	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000
L20	51	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	52	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	53	CCI 6" x 1" Plate	103.08 -	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
			103.33		
L20	55	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	56	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	57	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L21	51	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	52	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	53	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	55	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L21	56	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L21	57	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L22	51	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L22	52	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L22	53	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L23	51	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	52	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	53	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	59	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L23	60	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L23	61	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L24	51	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	52	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	53	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	59	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	60	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	61	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L25	51	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	52	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	53	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	59	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	60	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	61	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000
L26	47	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	48	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	49	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	51	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	52	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	53	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	59	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	60	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	61	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	81	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L26	82	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L26	83	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L26	125	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L26	126	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L26	127	4.5" x 1" Plate	85.50 - 85.75	Auto	1.0000
L27	47	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	48	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	49	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	51	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	52	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	53	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L27	59	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	60	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	61	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	81	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	82	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	83	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	125	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	126	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	127	4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L28	47	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	48	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	49	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	51	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	52	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	53	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	59	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	60	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	61	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	81	4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	82	4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	83	4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	125	4.5" x 1" Plate	84.25 - 85.25	Auto	1.0000
L28	126	4.5" x 1" Plate	84.25 - 85.25	Auto	1.0000
L28	127	4.5" x 1" Plate	84.25 - 85.25	Auto	1.0000
L29	47	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	48	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	49	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	51	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	52	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	53	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	59	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	60	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	61	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	81	4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	82	4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	83	4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L30	47	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	48	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	49	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	51	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	52	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	53	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	59	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	60	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	61	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	81	4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	82	4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	83	4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L31	47	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	48	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	49	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	51	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	52	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	53	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	59	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	60	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	61	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	81	4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	82	4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	83	4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L32	47	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L32	48	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	49	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	51	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	52	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	53	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	59	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	60	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	61	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	81	4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	82	4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	83	4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L33	47	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	48	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	49	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	81	4.5" x 1" Plate	75.75 - 80.00	Auto	1.0000
L33	82	4.5" x 1" Plate	75.75 - 80.00	Auto	1.0000
L33	83	4.5" x 1" Plate	75.75 - 80.00	Auto	1.0000
L33	121	4.5" x 1" Plate	75.75 - 77.25	Auto	1.0000
L33	122	4.5" x 1" Plate	75.75 - 77.25	Auto	1.0000
L33	123	4.5" x 1" Plate	75.75 - 77.25	Auto	1.0000
L34	47	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L34	48	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L34	49	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L35	47	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	48	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	49	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	77	6.5" x 1.25" Plate	65.00 - 65.50	Auto	1.0000
L35	78	6.5" x 1.25" Plate	65.00 - 65.50	Auto	1.0000
L35	79	6.5" x 1.25" Plate	65.00 - 65.50	Auto	1.0000
L35	117	6.5" x 1" Plate	65.00 - 65.50	Auto	1.0000
L35	118	6.5" x 1" Plate	65.00 - 65.50	Auto	1.0000
L35	119	6.5" x 1" Plate	65.00 - 65.50	Auto	1.0000
L36	47	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000
L36	48	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000
L36	49	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000
L36	77	6.5" x 1.25" Plate	60.00 - 65.00	Auto	1.0000
L36	78	6.5" x 1.25" Plate	60.00 - 65.00	Auto	1.0000
L36	79	6.5" x 1.25" Plate	60.00 - 65.00	Auto	1.0000
L36	117	6.5" x 1" Plate	62.75 - 65.00	Auto	1.0000
L36	118	6.5" x 1" Plate	62.75 - 65.00	Auto	1.0000
L36	119	6.5" x 1" Plate	62.75 - 65.00	Auto	1.0000
L37	47	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	48	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	49	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	77	6.5" x 1.25" Plate	58.50 - 60.00	Auto	1.0000
L37	78	6.5" x 1.25" Plate	58.50 - 60.00	Auto	1.0000
L37	79	6.5" x 1.25" Plate	58.50 - 60.00	Auto	1.0000
L38	47	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	48	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	49	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	77	6.5" x 1.25" Plate	58.25 - 58.50	Auto	1.0000
L38	78	6.5" x 1.25" Plate	58.25 - 58.50	Auto	1.0000
L38	79	6.5" x 1.25" Plate	58.25 - 58.50	Auto	1.0000
L39	47	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	48	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	49	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	77	6.5" x 1.25" Plate	55.50 - 58.25	Auto	1.0000
L39	78	6.5" x 1.25" Plate	55.50 - 58.25	Auto	1.0000
L39	79	6.5" x 1.25" Plate	55.50 - 58.25	Auto	1.0000
L39	113	6.5" x 1" Plate	55.50 - 58.25	Auto	1.0000
L39	114	6.5" x 1" Plate	55.50 - 58.25	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	115	6.5" x 1" Plate	55.50 - 58.25	Auto	1.0000
L40	43	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L40	44	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L40	45	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L41	43	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L41	44	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L41	45	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L42	43	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	44	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	45	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	70	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	71	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	72	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	73	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	74	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	75	6" x 1" Plate	43.00 - 45.25	Auto	1.0000
L42	106	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L42	107	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L42	108	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L42	109	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L42	110	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L42	111	6" x 1.25" Plate	43.25 - 45.25	Auto	1.0000
L43	43	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	44	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	45	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	70	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L43	71	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L43	72	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L43	73	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L43	74	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L43	75	6" x 1" Plate	40.00 - 43.00	Auto	1.0000
L44	39	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	40	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	41	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	43	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	44	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	45	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	70	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	71	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	72	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	73	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	74	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	75	6" x 1" Plate	35.25 - 40.00	Auto	1.0000
L44	99	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L44	100	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L44	101	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L44	102	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L44	103	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L44	104	6" x 1.25" Plate	35.25 - 37.25	Auto	1.0000
L45	39	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	40	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	41	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	43	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	44	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	45	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L46	39	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	40	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	41	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	43	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	44	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	45	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L47	39	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	40	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	41	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	43	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	44	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	45	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L48	39	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	40	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	41	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	43	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	44	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	45	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L49	39	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	40	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	41	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	43	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	44	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	45	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	63	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	64	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	65	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	66	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	67	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	68	6.5" x 1.25" Plate	23.50 - 25.00	Auto	1.0000
L49	92	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L49	93	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L49	94	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L49	95	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L49	96	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L49	97	6.5" x 1" Plate	23.50 - 25.00	Auto	1.0000
L50	39	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	40	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	41	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	63	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	64	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	65	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	66	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	67	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	68	6.5" x 1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	92	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L50	93	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L50	94	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L50	95	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L50	96	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L50	97	6.5" x 1" Plate	22.25 - 23.50	Auto	1.0000
L51	39	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	40	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	41	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	63	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	64	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	65	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	66	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	67	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	68	6.5" x 1.25" Plate	15.00 - 18.50	Auto	1.0000
L51	85	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L51	86	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L51	87	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L51	88	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L51	89	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L51	90	6.5" x 1" Plate	15.00 - 17.75	Auto	1.0000
L52	39	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L52	40	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000
L52	41	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000
L53	39	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L53	40	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L53	41	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L54	39	8.5"x1.25" Plate	0.83 - 3.50	Auto	1.0000
L54	40	8.5"x1.25" Plate	0.83 - 3.50	Auto	1.0000
L54	41	8.5"x1.25" Plate	0.83 - 3.50	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
TOWN									
PD201-7	A	From Leg	4.000	0.000	188.000	No Ice	1.015	1.015	0.004
			0.000			1/2" Ice	1.809	1.809	0.013
			5.000			1" Ice	2.620	2.620	0.026
SPRINT									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000	0.000	188.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			2.000			1" Ice	5.500	4.890	0.235
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	188.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			2.000			1" Ice	5.500	4.890	0.235
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	188.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			2.000			1" Ice	5.500	4.890	0.235
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000	0.000	188.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			2.000			1" Ice	4.880	3.610	0.185
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000	0.000	188.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			2.000			1" Ice	4.880	3.610	0.185
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000	0.000	188.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			2.000			1" Ice	4.880	3.610	0.185
TD-RRH8x20-25	A	From Leg	4.000	0.000	188.000	No Ice	3.704	1.294	0.066
			0.000			1/2" Ice	3.946	1.465	0.090
			2.000			1" Ice	4.196	1.642	0.117
TD-RRH8x20-25	B	From Leg	4.000	0.000	188.000	No Ice	3.704	1.294	0.066
			0.000			1/2" Ice	3.946	1.465	0.090
			2.000			1" Ice	4.196	1.642	0.117
TD-RRH8x20-25	C	From Leg	4.000	0.000	188.000	No Ice	3.704	1.294	0.066
			0.000			1/2" Ice	3.946	1.465	0.090
			2.000			1" Ice	4.196	1.642	0.117
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	188.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	188.000	No Ice	1.425	1.425	0.022

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
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	188.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
Platform Mount [LP 403-1]	C	None		0.000	188.000	No Ice	18.940	18.940	1.500
						1/2" Ice	23.310	23.310	1.902
						1" Ice	27.740	27.740	2.374
*									
1900MHz RRH	A	From Leg	1.000	0.000	185.000	No Ice	2.492	3.258	0.044
			0.000			1/2" Ice	2.695	3.484	0.075
			3.000			1" Ice	2.906	3.718	0.110
1900MHz RRH	B	From Leg	1.000	0.000	185.000	No Ice	2.492	3.258	0.044
			0.000			1/2" Ice	2.695	3.484	0.075
			3.000			1" Ice	2.906	3.718	0.110
1900MHz RRH	C	From Leg	1.000	0.000	185.000	No Ice	2.492	3.258	0.044
			0.000			1/2" Ice	2.695	3.484	0.075
			3.000			1" Ice	2.906	3.718	0.110
800MHZ RRH	A	From Leg	1.000	0.000	185.000	No Ice	2.134	1.773	0.053
			0.000			1/2" Ice	2.320	1.946	0.074
			3.000			1" Ice	2.512	2.127	0.098
800MHZ RRH	B	From Leg	1.000	0.000	185.000	No Ice	2.134	1.773	0.053
			0.000			1/2" Ice	2.320	1.946	0.074
			3.000			1" Ice	2.512	2.127	0.098
800MHZ RRH	C	From Leg	1.000	0.000	185.000	No Ice	2.134	1.773	0.053
			0.000			1/2" Ice	2.320	1.946	0.074
			3.000			1" Ice	2.512	2.127	0.098
4' x 2" Pipe Mount	A	From Leg	0.500	0.000	185.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
4' x 2" Pipe Mount	B	From Leg	0.500	0.000	185.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
4' x 2" Pipe Mount	C	From Leg	0.500	0.000	185.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
Side Arm Mount [SO 102-3]	C	None		0.000	185.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
*									
3' x 2" Pipe Mount	C	From Leg	3.000	0.000	184.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			0.000			1" Ice	0.967	0.967	0.024
Side Arm Mount [SO 701-1]	C	From Leg	1.500	0.000	184.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									
458-2D	B	From Leg	5.000	0.000	179.000	No Ice	3.667	3.667	0.022
			0.000			1/2" Ice	5.031	5.031	0.049
			6.000			1" Ice	6.412	6.412	0.084
458-2D	C	From Leg	5.000	0.000	179.000	No Ice	3.667	3.667	0.022
			0.000			1/2" Ice	5.031	5.031	0.049
			6.000			1" Ice	6.412	6.412	0.084
(4) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	179.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
(4) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	179.000	No Ice	1.425	1.425	0.022

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000				1/2" Ice	1.925	1.925	0.033
			0.000				1" Ice	2.294	2.294	0.048
(4) 6' x 2" Mount Pipe	C	From Leg	4.000		0.000	179.000	No Ice	1.425	1.425	0.022
			0.000				1/2" Ice	1.925	1.925	0.033
			0.000				1" Ice	2.294	2.294	0.048
Side Arm Mount [SO 301-1]	B	From Leg	4.000		0.000	179.000	No Ice	0.460	0.910	0.023
			0.000				1/2" Ice	0.650	1.300	0.033
			0.000				1" Ice	0.870	1.710	0.047
Side Arm Mount [SO 301-1]	C	From Leg	4.000		0.000	179.000	No Ice	0.460	0.910	0.023
			0.000				1/2" Ice	0.650	1.300	0.033
			0.000				1" Ice	0.870	1.710	0.047
Platform Mount [LP 403-1]	C	None			0.000	179.000	No Ice	18.940	18.940	1.500
							1/2" Ice	23.310	23.310	1.902
							1" Ice	27.740	27.740	2.374
*										
T MOBILE										
KRY 112 144/1	A	From Leg	4.000		0.000	170.000	No Ice	0.350	0.175	0.011
			0.000				1/2" Ice	0.426	0.234	0.014
			0.000				1" Ice	0.509	0.301	0.019
KRY 112 144/1	B	From Leg	4.000		0.000	170.000	No Ice	0.350	0.175	0.011
			0.000				1/2" Ice	0.426	0.234	0.014
			0.000				1" Ice	0.509	0.301	0.019
KRY 112 144/1	C	From Leg	4.000		0.000	170.000	No Ice	0.350	0.175	0.011
			0.000				1/2" Ice	0.426	0.234	0.014
			0.000				1" Ice	0.509	0.301	0.019
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000		0.000	170.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000		0.000	170.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000		0.000	170.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	4.000		0.000	170.000	No Ice	14.690	6.870	0.183
			0.000				1/2" Ice	15.460	7.550	0.311
			0.000				1" Ice	16.230	8.250	0.453
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Leg	4.000		0.000	170.000	No Ice	14.690	6.870	0.183
			0.000				1/2" Ice	15.460	7.550	0.311
			0.000				1" Ice	16.230	8.250	0.453
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Leg	4.000		0.000	170.000	No Ice	14.690	6.870	0.183
			0.000				1/2" Ice	15.460	7.550	0.311
			0.000				1" Ice	16.230	8.250	0.453
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.000		0.000	170.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			0.000				1" Ice	4.480	3.840	0.320
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.000		0.000	170.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			0.000				1" Ice	4.480	3.840	0.320
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.000		0.000	170.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			0.000				1" Ice	4.480	3.840	0.320
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000		0.000	170.000	No Ice	1.970	1.587	0.073
			0.000				1/2" Ice	2.147	1.749	0.093
			0.000				1" Ice	2.331	1.918	0.116
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000		0.000	170.000	No Ice	1.970	1.587	0.073
			0.000				1/2" Ice	2.147	1.749	0.093

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1" Ice	2.331	1.918	0.116
RADIO 4449 B71	C	From Leg	4.000	0.000	170.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
SDX1926Q-43	A	From Leg	4.000	0.000	170.000	No Ice	0.241	0.101	0.006
			0.000			1/2" Ice	0.306	0.144	0.009
			0.000			1" Ice	0.379	0.195	0.012
SDX1926Q-43	B	From Leg	4.000	0.000	170.000	No Ice	0.241	0.101	0.006
			0.000			1/2" Ice	0.306	0.144	0.009
			0.000			1" Ice	0.379	0.195	0.012
SDX1926Q-43	C	From Leg	4.000	0.000	170.000	No Ice	0.241	0.101	0.006
			0.000			1/2" Ice	0.306	0.144	0.009
			0.000			1" Ice	0.379	0.195	0.012
RRUS 4415 B25	A	From Leg	4.000	0.000	170.000	No Ice	1.644	0.679	0.044
			0.000			1/2" Ice	1.804	0.791	0.056
			0.000			1" Ice	1.972	0.913	0.071
RRUS 4415 B25	B	From Leg	4.000	0.000	170.000	No Ice	1.644	0.679	0.044
			0.000			1/2" Ice	1.804	0.791	0.056
			0.000			1" Ice	1.972	0.913	0.071
RRUS 4415 B25	C	From Leg	4.000	0.000	170.000	No Ice	1.644	0.679	0.044
			0.000			1/2" Ice	1.804	0.791	0.056
			0.000			1" Ice	1.972	0.913	0.071
WESTON									
PD201-7	A	From Leg	4.000	0.000	170.000	No Ice	1.015	1.015	0.004
			0.000			1/2" Ice	1.809	1.809	0.013
			4.000			1" Ice	2.620	2.620	0.026
RRUS 11 B12	A	From Leg	4.000	0.000	170.000	No Ice	2.833	1.182	0.051
			0.000			1/2" Ice	3.043	1.330	0.072
			0.000			1" Ice	3.259	1.485	0.095
Platform Mount [LP 405-1_HR-1]	C	None		0.000	170.000	No Ice	25.330	25.330	2.056
						1/2" Ice	33.790	33.790	2.634
						1" Ice	42.160	42.160	3.360
*									
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000	0.000	160.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			3.000			1" Ice	13.460	7.300	0.298
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.000	0.000	160.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			3.000			1" Ice	13.460	7.300	0.298
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000	0.000	160.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			3.000			1" Ice	13.460	7.300	0.298
80010965 w/ Mount Pipe	A	From Leg	4.000	0.000	160.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			3.000			1" Ice	13.800	7.170	0.328
80010965 w/ Mount Pipe	B	From Leg	4.000	0.000	160.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			3.000			1" Ice	13.800	7.170	0.328
80010965 w/ Mount Pipe	C	From Leg	4.000	0.000	160.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			3.000			1" Ice	13.800	7.170	0.328
OPA-65R-LCUU-H6 w/ Mount Pipe	A	From Leg	4.000	0.000	160.000	No Ice	9.190	6.210	0.106
			0.000			1/2" Ice	9.940	6.930	0.175
			3.000			1" Ice	10.710	7.660	0.256
OPA-65R-LCUU-H6 w/ Mount Pipe	B	From Leg	4.000	0.000	160.000	No Ice	9.190	6.210	0.106
			0.000			1/2" Ice	9.940	6.930	0.175
			3.000			1" Ice	10.710	7.660	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
OPA-65R-LCUU-H6 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	9.190 9.940 10.710	6.210 6.930 7.660	0.106 0.175 0.256
DC6-48-60-18-8C	A	From Leg	1.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.145 1.792 2.002	1.145 1.792 2.002	0.026 0.047 0.070
DC6-48-60-18-8C	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.145 1.792 2.002	1.145 1.792 2.002	0.026 0.047 0.070
(2) DBCT108F1V92-1	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	0.637 0.740 0.850	0.604 0.705 0.813	0.029 0.036 0.045
(2) DBCT108F1V92-1	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	0.637 0.740 0.850	0.604 0.705 0.813	0.029 0.036 0.045
(2) DBCT108F1V92-1	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	0.637 0.740 0.850	0.604 0.705 0.813	0.029 0.036 0.045
RRUS 4449 B5/B12	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
RRUS 4449 B5/B12	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
RRUS 4449 B5/B12	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.968 2.144 2.328	1.408 1.564 1.727	0.071 0.090 0.111
RRUS 32 B66A	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.864 3.090 3.323	1.782 1.973 2.171	0.055 0.077 0.103
RRUS 32 B66A	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.864 3.090 3.323	1.782 1.973 2.171	0.055 0.077 0.103
RRUS 32 B66A	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.864 3.090 3.323	1.782 1.973 2.171	0.055 0.077 0.103
RRUS 32 B30	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.692 2.912 3.138	1.573 1.756 1.945	0.060 0.080 0.104
RRUS 32 B30	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.692 2.912 3.138	1.573 1.756 1.945	0.060 0.080 0.104
RRUS 32 B30	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.692 2.912 3.138	1.573 1.756 1.945	0.060 0.080 0.104
RRUS 4478 B14	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 4478 B14	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 4478 B14	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.843 2.012 2.190	1.059 1.197 1.342	0.060 0.076 0.094
RRUS 32 B2	A	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098

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
RRUS 32 B2	B	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098
RRUS 32 B2	C	From Leg	4.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	2.731 2.953 3.182	1.668 1.855 2.049	0.053 0.074 0.098
DC6-48-60-18-8F	C	From Leg	1.000 0.000 3.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.212 1.892 2.105	1.212 1.892 2.105	0.033 0.055 0.080
4' x 2" Pipe Mount	A	From Leg	2.000 0.000 0.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	0.785 1.028 1.281	0.785 1.028 1.281	0.029 0.035 0.044
4' x 2" Pipe Mount	B	From Leg	2.000 0.000 0.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	0.785 1.028 1.281	0.785 1.028 1.281	0.029 0.035 0.044
(2) L 2.5x2.5x3/16x4'	A	From Leg	2.000 0.000 0.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.000 1.284 1.576	0.005 0.024 0.049	0.025 0.031 0.040
(2) L 2.5x2.5x3/16x4'	B	From Leg	2.000 0.000 0.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.000 1.284 1.576	0.005 0.024 0.049	0.025 0.031 0.040
(2) L 2.5x2.5x3/16x4'	C	From Leg	2.000 0.000 0.000	0.000	160.000	No Ice 1/2" Ice 1" Ice	1.000 1.284 1.576	0.005 0.024 0.049	0.025 0.031 0.040
Platform Mount [LP 404-1]	C	None		0.000	160.000	No Ice 1/2" Ice 1" Ice	24.600 31.630 38.370	24.600 31.630 38.370	2.043 2.600 3.288
*									
(2) RFV01U-D1A	A	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
(3) RFV01U-D1A	B	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
RFV01U-D1A	C	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
RFV01U-D2A	B	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
(2) RFV01U-D2A	C	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
(4) MX06FRO640-02 w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	7.260 7.720 8.200	4.660 5.080 5.520	0.114 0.207 0.313
(4) MX06FRO640-02 w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	7.260 7.720 8.200	4.660 5.080 5.520	0.114 0.207 0.313
(4) MX06FRO640-02 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	7.260 7.720 8.200	4.660 5.080 5.520	0.114 0.207 0.313
CBRS w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	150.000	No Ice 1/2" Ice 1" Ice	1.450 1.670 1.900	0.990 1.180 1.390	0.032 0.048 0.068
CBRS w/ Mount Pipe	B	From Leg	4.000 0.000	0.000	150.000	No Ice 1/2" Ice	1.450 1.670	0.990 1.180	0.032 0.048

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
			1.000			1" Ice	1.900	1.390	0.068
CBRS w/ Mount Pipe	C	From Leg	4.000	0.000	150.000	No Ice	1.450	0.990	0.032
			0.000			1/2" Ice	1.670	1.180	0.048
			1.000			1" Ice	1.900	1.390	0.068
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	150.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	150.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	150.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
TD-850B-LTE78-43	A	From Leg	4.000	0.000	150.000	No Ice	1.976	0.827	0.053
			0.000			1/2" Ice	2.151	0.952	0.068
			3.000			1" Ice	2.333	1.085	0.086
TD-850B-LTE78-43	B	From Leg	4.000	0.000	150.000	No Ice	1.976	0.827	0.053
			0.000			1/2" Ice	2.151	0.952	0.068
			3.000			1" Ice	2.333	1.085	0.086
TD-850B-LTE78-43	C	From Leg	4.000	0.000	150.000	No Ice	1.976	0.827	0.053
			0.000			1/2" Ice	2.151	0.952	0.068
			3.000			1" Ice	2.333	1.085	0.086
(2) RFV01U-D2A	A	From Leg	4.000	0.000	150.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			2.000			1" Ice	2.223	1.284	0.106
RFV01U-D2A	B	From Leg	4.000	0.000	150.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			2.000			1" Ice	2.223	1.284	0.106
RVZDC-6627-PF-48	A	From Leg	4.000	0.000	150.000	No Ice	3.792	2.514	0.032
			0.000			1/2" Ice	4.044	2.727	0.063
			2.000			1" Ice	4.303	2.947	0.099
RVZDC-6627-PF-48	B	From Leg	4.000	0.000	150.000	No Ice	3.792	2.514	0.032
			0.000			1/2" Ice	4.044	2.727	0.063
			2.000			1" Ice	4.303	2.947	0.099
Platform Mount [LP 403-1]	C	None		0.000	150.000	No Ice	18.940	18.940	1.500
						1/2" Ice	23.310	23.310	1.902
						1" Ice	27.740	27.740	2.374
(2) Side Arm Mount [SO 102-3]	C	None		0.000	150.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
Mount Reinforcement Specifications	C	None		0.000	150.000	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
*									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000	0.000	141.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000	0.000	141.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000	0.000	141.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
TA08025-B605	A	From Leg	4.000	0.000	141.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
TA08025-B605	B	From Leg	4.000	0.000	141.000	No Ice	1.964	1.129	0.075

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
TA08025-B605	C	From Leg	4.000	0.000	141.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
TA08025-B604	A	From Leg	4.000	0.000	141.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
TA08025-B604	B	From Leg	4.000	0.000	141.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
TA08025-B604	C	From Leg	4.000	0.000	141.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
RDIDC-9181-PF-48	A	From Leg	4.000	0.000	141.000	No Ice	2.012	1.168	0.022
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	141.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	141.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	141.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
Commscope MC-PK8-DSH	C	None		0.000	141.000	No Ice	34.240	34.240	1.749
						1/2" Ice	62.950	62.950	2.099
						1" Ice	91.660	91.660	2.450
*									
PD128-1	A	From Leg	3.000	0.000	125.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
PD201-1	B	From Leg	3.000	0.000	125.000	No Ice	0.628	0.628	0.004
			0.000			1/2" Ice	1.539	1.539	0.011
			5.000			1" Ice	2.467	2.467	0.023
Side Arm Mount [SO 701-1]	A	From Leg	1.500	0.000	125.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
Side Arm Mount [SO 701-1]	B	From Leg	1.500	0.000	125.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									
PD128-1	B	From Leg	3.000	0.000	110.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
PD128-1	C	From Leg	3.000	0.000	110.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
Side Arm Mount [SO 701-1]	B	From Leg	1.500	0.000	110.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
Side Arm Mount [SO 701-1]	C	From Leg	1.500	0.000	110.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									
GPS_A	C	From Leg	3.000	0.000	100.000	No Ice	0.255	0.255	0.001

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	0.320	0.320	0.005
			1.000			1" Ice	0.393	0.393	0.010
Side Arm Mount [SO 702-1]	C	From Leg	1.500	0.000	100.000	No Ice	0.620	1.490	0.027
			0.000			1/2" Ice	0.740	2.070	0.042
			0.000			1" Ice	0.890	2.540	0.063
*									
PD128-1	A	From Leg	3.000	0.000	95.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
PD128-1	B	From Leg	3.000	0.000	95.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
Side Arm Mount [SO 701-1]	A	From Leg	1.500	0.000	95.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
Side Arm Mount [SO 701-1]	B	From Leg	1.500	0.000	95.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									
DB222	A	From Leg	3.000	0.000	80.000	No Ice	1.600	1.600	0.016
			0.000			1/2" Ice	2.880	2.880	0.021
			5.000			1" Ice	4.160	4.160	0.026
PD128-1	B	From Leg	3.000	0.000	80.000	No Ice	1.000	1.000	0.013
			0.000			1/2" Ice	1.800	1.800	0.017
			5.000			1" Ice	2.600	2.600	0.021
Side Arm Mount [SO 701-1]	A	From Leg	1.500	0.000	80.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
Side Arm Mount [SO 701-1]	B	From Leg	1.500	0.000	80.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
*									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
SP2-5.8	A	Paraboloid w/Radome	From Leg	4.000	15.000		188.000	2.000	No Ice	3.140	0.022
				0.000					1/2" Ice	3.410	0.040
				-1.000					1" Ice	3.680	0.060
*											

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	190 - 185	Pole	Max Tension	39	0.000	0.000	-0.000
			Max. Compression	26	-5.720	-0.038	0.414
			Max. Mx	8	-3.437	-10.100	0.061

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-3.436	-0.010	10.261
			Max. Vy	20	-2.625	10.098	0.044
			Max. Vx	14	2.674	-0.017	-10.110
			Max. Torque	18			-0.614
L2	185 - 180	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-7.878	0.251	0.155
			Max. Mx	20	-4.818	29.552	-0.171
			Max. My	14	-4.812	0.122	-29.862
			Max. Vy	20	-3.748	29.552	-0.171
			Max. Vx	14	3.816	0.122	-29.862
			Max. Torque	18			-0.614
L3	180 - 175	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-12.690	0.173	-0.779
			Max. Mx	20	-7.894	58.038	-0.525
			Max. My	14	-7.885	0.017	-59.183
			Max. Vy	20	-5.896	58.038	-0.525
			Max. Vx	14	5.985	0.017	-59.183
			Max. Torque	10			-0.820
L4	175 - 170	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-13.909	0.095	-0.844
			Max. Mx	20	-8.821	88.477	-0.607
			Max. My	14	-8.811	-0.089	-90.159
			Max. Vy	20	-6.292	88.477	-0.607
			Max. Vx	14	6.381	-0.089	-90.159
			Max. Torque	10			-0.819
L5	170 - 165	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.225	-0.196	-0.054
			Max. Mx	20	-14.496	137.638	-0.304
			Max. My	14	-14.481	-0.267	-139.809
			Max. Vy	20	-10.015	137.638	-0.304
			Max. Vx	14	10.162	-0.267	-139.809
			Max. Torque	10			-0.819
L6	165 - 160	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-24.597	-0.487	0.005
			Max. Mx	20	-15.481	188.575	-0.345
			Max. My	14	-15.466	-0.445	-191.602
			Max. Vy	20	-10.400	188.575	-0.345
			Max. Vx	14	10.547	-0.445	-191.602
			Max. Torque	10			-0.436
L7	160 - 155	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.460	-0.918	0.172
			Max. Mx	8	-21.829	-276.708	-0.946
			Max. My	14	-21.818	-0.712	-280.477
			Max. Vy	20	-15.719	276.527	-0.332
			Max. Vx	14	15.872	-0.712	-280.477
			Max. Torque	10			-0.436
L8	155 - 150	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.156	-1.026	0.377
			Max. Mx	8	-23.019	-356.394	-1.052
			Max. My	14	-23.008	-0.819	-360.898
			Max. Vy	20	-16.155	356.186	-0.322
			Max. Vx	14	16.309	-0.819	-360.898
			Max. Torque	9			-0.380
L9	150 - 145	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.735	-3.058	0.887
			Max. Mx	8	-29.823	-477.555	-1.294
			Max. My	14	-29.810	-2.327	-481.636
			Max. Vy	8	22.421	-477.555	-1.294
			Max. Vx	14	22.599	-2.327	-481.636
			Max. Torque	2			-0.740
L10	145 - 140	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	-56.400	-3.181	1.468
			Max. Mx	8	-34.210	-593.298	-1.424
			Max. My	14	-34.195	-2.610	-598.088
			Max. Vy	8	25.437	-593.298	-1.424
			Max. Vx	14	25.640	-2.610	-598.088
			Max. Torque	2			-0.739
L11	140 - 135	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-58.354	-3.361	1.735
			Max. Mx	8	-35.627	-721.672	-1.682
			Max. My	14	-35.613	-2.918	-727.390
			Max. Vy	8	25.901	-721.672	-1.682
			Max. Vx	14	26.105	-2.918	-727.390
			Max. Torque	2			-0.739
L12	135 - 130	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.306	-3.541	2.000
			Max. Mx	8	-37.049	-852.336	-1.941
			Max. My	14	-37.036	-3.226	-858.981
			Max. Vy	8	26.352	-852.336	-1.941
			Max. Vx	14	26.556	-3.226	-858.981
			Max. Torque	2			-0.739
L13	130 - 125	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.256	-3.719	2.265
			Max. Mx	8	-38.479	-985.210	-2.200
			Max. My	14	-38.466	-3.533	-992.783
			Max. Vy	8	26.787	-985.210	-2.200
			Max. Vx	14	26.991	-3.533	-992.783
			Max. Torque	2			-0.739
L14	125 - 120	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-64.464	-4.315	2.772
			Max. Mx	8	-40.089	-1121.588	-2.200
			Max. My	14	-40.077	-4.022	-1129.554
			Max. Vy	8	27.369	-1121.588	-2.200
			Max. Vx	14	27.558	-4.022	-1129.554
			Max. Torque	12			1.090
L15	120 - 115	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.592	-4.508	3.063
			Max. Mx	8	-41.665	-1259.653	-2.389
			Max. My	14	-41.653	-4.270	-1268.460
			Max. Vy	8	27.846	-1259.653	-2.389
			Max. Vx	14	28.035	-4.270	-1268.460
			Max. Torque	12			1.090
L16	115 - 112.667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.623	-4.586	3.189
			Max. Mx	8	-42.401	-1324.885	-2.477
			Max. My	14	-42.390	-4.386	-1334.085
			Max. Vy	8	28.066	-1324.885	-2.477
			Max. Vx	14	28.255	-4.386	-1334.085
			Max. Torque	12			1.090
L17	112.667 - 112.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.753	-4.598	3.204
			Max. Mx	8	-42.502	-1331.906	-2.487
			Max. My	14	-42.490	-4.398	-1341.148
			Max. Vy	8	28.087	-1331.906	-2.487
			Max. Vx	14	28.275	-4.398	-1341.148
			Max. Torque	12			1.090
L18	112.417 - 107.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.600	-4.762	2.956
			Max. Mx	8	-44.624	-1474.320	-3.038
			Max. My	14	-44.612	-4.646	-1484.852

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	28.719	-1474.320	-3.038
			Max. Vx	14	28.936	-4.646	-1484.852
			Max. Torque	12			1.090
L19	107.417 - 103.33	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.755	-4.898	3.175
			Max. Mx	8	-46.204	-1593.272	-3.192
			Max. My	14	-46.193	-4.848	-1604.614
			Max. Vy	8	29.480	-1593.272	-3.192
			Max. Vx	14	29.700	-4.848	-1604.614
			Max. Torque	2			-1.031
L20	103.33 - 103.08	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.890	-4.909	3.190
			Max. Mx	8	-46.304	-1600.649	-3.201
			Max. My	14	-46.292	-4.860	-1612.041
			Max. Vy	8	29.525	-1600.649	-3.201
			Max. Vx	14	29.745	-4.860	-1612.041
			Max. Torque	2			-1.031
L21	103.08 - 100	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.517	-5.009	3.353
			Max. Mx	8	-47.495	-1692.476	-3.318
			Max. My	14	-47.484	-5.012	-1704.487
			Max. Vy	8	30.092	-1692.476	-3.318
			Max. Vx	14	30.314	-5.012	-1704.487
			Max. Torque	2			-1.031
L22	100 - 95	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.356	-4.935	3.499
			Max. Mx	8	-49.618	-1844.330	-3.625
			Max. My	14	-49.606	-5.225	-1857.587
			Max. Vy	8	30.639	-1844.330	-3.625
			Max. Vx	14	30.876	-5.225	-1857.587
			Max. Torque	2			-1.031
L23	95 - 90	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.388	-5.590	4.064
			Max. Mx	8	-51.896	-2000.299	-3.620
			Max. My	14	-51.885	-5.816	-2014.016
			Max. Vy	8	31.297	-2000.299	-3.620
			Max. Vx	14	31.521	-5.816	-2014.016
			Max. Torque	2			-1.189
L24	90 - 89.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.672	-5.609	4.094
			Max. Mx	8	-52.106	-2015.975	-3.639
			Max. My	14	-52.095	-5.842	-2029.793
			Max. Vy	8	31.393	-2015.975	-3.639
			Max. Vx	14	31.617	-5.842	-2029.793
			Max. Torque	2			-1.188
L25	89.5 - 89.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.828	-5.620	4.111
			Max. Mx	8	-52.225	-2023.831	-3.648
			Max. My	14	-52.214	-5.855	-2037.700
			Max. Vy	8	31.443	-2023.831	-3.648
			Max. Vx	14	31.667	-5.855	-2037.700
			Max. Torque	2			-1.188
L26	89.25 - 85.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.221	-5.754	4.327
			Max. Mx	8	-54.016	-2143.185	-3.789
			Max. My	14	-54.005	-6.047	-2157.816
			Max. Vy	8	32.200	-2143.185	-3.789
			Max. Vx	14	32.428	-6.047	-2157.816
			Max. Torque	2			-1.188

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L27	85.5 - 85.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.429	-5.766	4.345
			Max. Mx	8	-54.178	-2151.243	-3.798
			Max. My	14	-54.168	-6.061	-2165.925
			Max. Vy	8	32.251	-2151.243	-3.798
			Max. Vx	14	32.479	-6.061	-2165.925
			Max. Torque	2			-1.188
L28	85.25 - 84	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.453	-5.808	4.415
			Max. Mx	8	-54.954	-2191.736	-3.845
			Max. My	14	-54.943	-6.124	-2206.676
			Max. Vy	8	32.525	-2191.736	-3.845
			Max. Vx	14	32.755	-6.124	-2206.676
			Max. Torque	2			-1.188
L29	84 - 83.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.625	-5.820	4.431
			Max. Mx	8	-55.084	-2199.875	-3.855
			Max. My	14	-55.073	-6.137	-2214.867
			Max. Vy	8	32.574	-2199.875	-3.855
			Max. Vx	14	32.805	-6.137	-2214.867
			Max. Torque	2			-1.188
L30	83.75 - 82.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.486	-5.863	4.502
			Max. Mx	8	-55.715	-2240.761	-3.902
			Max. My	14	-55.704	-6.201	-2256.015
			Max. Vy	8	32.834	-2240.761	-3.902
			Max. Vx	14	33.067	-6.201	-2256.015
			Max. Torque	2			-1.188
L31	82.5 - 82.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.645	-5.874	4.518
			Max. Mx	8	-55.833	-2248.977	-3.911
			Max. My	14	-55.822	-6.214	-2264.283
			Max. Vy	8	32.880	-2248.977	-3.911
			Max. Vx	14	33.113	-6.214	-2264.283
			Max. Torque	2			-1.188
L32	82.25 - 80	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-87.016	-5.953	4.647
			Max. Mx	8	-56.852	-2323.453	-3.995
			Max. My	14	-56.842	-6.330	-2339.235
			Max. Vy	8	33.312	-2323.453	-3.995
			Max. Vx	14	33.547	-6.330	-2339.235
			Max. Torque	2			-1.188
L33	80 - 75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.792	-6.604	5.237
			Max. Mx	8	-59.827	-2494.026	-3.915
			Max. My	14	-59.817	-6.865	-2510.253
			Max. Vy	8	34.427	-2494.026	-3.915
			Max. Vx	14	34.653	-6.865	-2510.253
			Max. Torque	2			-1.535
L34	75 - 70	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.904	-6.784	5.525
			Max. Mx	8	-62.319	-2667.278	-4.046
			Max. My	14	-62.309	-7.064	-2684.522
			Max. Vy	8	34.864	-2667.278	-4.046
			Max. Vx	14	35.090	-7.064	-2684.522
			Max. Torque	2			-1.535
L35	70 - 65	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-97.119	-6.963	5.812
			Max. Mx	8	-64.903	-2842.662	-4.176
			Max. My	14	-64.895	-7.262	-2860.922
			Max. Vy	8	35.282	-2842.662	-4.176

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	14	35.507	-7.262	-2860.922
			Max. Torque	2			-1.535
L36	65 - 60	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-101.029	-7.141	6.097
			Max. Mx	8	-68.060	-3021.275	-4.306
			Max. My	14	-68.052	-7.459	-3040.562
			Max. Vy	8	36.157	-3021.275	-4.306
			Max. Vx	14	36.388	-7.459	-3040.562
			Max. Torque	2			-1.535
L37	60 - 58.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.276	-7.194	6.182
			Max. Mx	8	-69.092	-3075.707	-4.345
			Max. My	14	-69.084	-7.518	-3095.306
			Max. Vy	8	36.418	-3075.707	-4.345
			Max. Vx	14	36.650	-7.518	-3095.306
			Max. Torque	2			-1.535
L38	58.5 - 58.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.470	-7.205	6.198
			Max. Mx	8	-69.257	-3084.816	-4.352
			Max. My	14	-69.249	-7.528	-3104.468
			Max. Vy	8	36.451	-3084.816	-4.352
			Max. Vx	14	36.683	-7.528	-3104.468
			Max. Torque	2			-1.535
L39	58.25 - 53.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-106.296	-7.381	6.479
			Max. Mx	8	-72.439	-3268.055	-4.481
			Max. My	14	-72.431	-7.724	-3288.751
			Max. Vy	8	36.834	-3268.055	-4.481
			Max. Vx	14	37.066	-7.724	-3288.751
			Max. Torque	2			-1.535
L40	53.25 - 48.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-109.560	-7.557	6.760
			Max. Mx	8	-75.144	-3453.089	-4.611
			Max. My	14	-75.137	-7.919	-3474.826
			Max. Vy	8	37.177	-3453.089	-4.611
			Max. Vx	14	37.408	-7.919	-3474.826
			Max. Torque	2			-1.535
L41	48.25 - 48	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-109.750	-7.567	6.775
			Max. Mx	8	-75.309	-3462.385	-4.617
			Max. My	14	-75.302	-7.929	-3484.175
			Max. Vy	8	37.187	-3462.385	-4.617
			Max. Vx	14	37.418	-7.929	-3484.175
			Max. Torque	2			-1.535
L42	48 - 43	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-114.396	-7.740	7.053
			Max. Mx	8	-79.190	-3650.361	-4.746
			Max. My	14	-79.184	-8.123	-3673.182
			Max. Vy	8	37.993	-3650.361	-4.746
			Max. Vx	14	38.220	-8.123	-3673.182
			Max. Torque	2			-1.535
L43	43 - 40	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-117.215	-7.844	7.219
			Max. Mx	8	-81.546	-3765.038	-4.823
			Max. My	14	-81.540	-8.239	-3788.468
			Max. Vy	8	38.457	-3765.038	-4.823
			Max. Vx	14	38.681	-8.239	-3788.468
			Max. Torque	2			-1.535
L44	40 - 35	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-122.316	-8.017	7.494
			Max. Mx	8	-85.805	-3959.246	-4.951

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	14	-85.800	-8.432	-3983.671
			Max. Vy	8	39.225	-3959.246	-4.951
			Max. Vx	14	39.443	-8.432	-3983.671
			Max. Torque	2			-1.535
L45	35 - 32.08	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-124.588	-8.117	7.653
			Max. Mx	8	-87.673	-4074.349	-5.025
			Max. My	14	-87.669	-8.544	-4099.348
			Max. Vy	8	39.621	-4074.349	-5.025
			Max. Vx	14	39.842	-8.544	-4099.348
			Max. Torque	2			-1.535
L46	32.08 - 31.83	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-124.815	-8.127	7.668
			Max. Mx	8	-87.873	-4084.256	-5.032
			Max. My	14	-87.869	-8.553	-4109.305
			Max. Vy	8	39.639	-4084.256	-5.032
			Max. Vx	14	39.860	-8.553	-4109.305
			Max. Torque	2			-1.535
L47	31.83 - 28.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-127.607	-8.231	7.833
			Max. Mx	8	-90.239	-4207.003	-5.110
			Max. My	14	-90.234	-8.671	-4232.664
			Max. Vy	8	40.058	-4207.003	-5.110
			Max. Vx	14	40.281	-8.671	-4232.664
			Max. Torque	2			-1.535
L48	28.75 - 28.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-127.809	-8.240	7.848
			Max. Mx	8	-90.411	-4217.022	-5.116
			Max. My	14	-90.406	-8.680	-4242.733
			Max. Vy	8	40.082	-4217.022	-5.116
			Max. Vx	14	40.305	-8.680	-4242.733
			Max. Torque	2			-1.535
L49	28.5 - 23.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-132.424	-8.408	8.115
			Max. Mx	8	-94.297	-4419.101	-5.243
			Max. My	14	-94.294	-8.870	-4445.810
			Max. Vy	8	40.742	-4419.101	-5.243
			Max. Vx	14	40.964	-8.870	-4445.810
			Max. Torque	2			-1.535
L50	23.5 - 18.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-138.203	-8.575	8.379
			Max. Mx	8	-99.296	-4624.518	-5.369
			Max. My	14	-99.293	-9.059	-4652.206
			Max. Vy	8	41.427	-4624.518	-5.369
			Max. Vx	14	41.642	-9.059	-4652.206
			Max. Torque	2			-1.535
L51	18.5 - 13.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-143.902	-8.739	8.638
			Max. Mx	8	-104.244	-4833.303	-5.494
			Max. My	14	-104.242	-9.247	-4861.939
			Max. Vy	8	42.090	-4833.303	-5.494
			Max. Vx	14	42.300	-9.247	-4861.939
			Max. Torque	2			-1.534
L52	13.5 - 8.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-148.253	-8.899	8.891
			Max. Mx	8	-108.083	-5044.256	-5.619
			Max. My	14	-108.082	-9.433	-5073.824
			Max. Vy	8	42.297	-5044.256	-5.619
			Max. Vx	14	42.506	-9.433	-5073.824
			Max. Torque	2			-1.534
L53	8.5 - 3.5	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	-152.568	-9.054	9.133
			Max. Mx	8	-111.926	-5256.188	-5.743
			Max. My	14	-111.926	-9.617	-5286.682
			Max. Vy	8	42.484	-5256.188	-5.743
			Max. Vx	14	42.692	-9.617	-5286.682
			Max. Torque	2			-1.534
L54	3.5 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-155.531	-9.156	9.290
			Max. Mx	8	-114.618	-5405.069	-5.829
			Max. My	14	-114.617	-9.745	-5436.207
			Max. Vy	8	42.606	-5405.069	-5.829
			Max. Vx	14	42.813	-9.745	-5436.207
			Max. Torque	2			-1.534

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	155.531	-0.000	0.000
	Max. H_x	20	114.626	40.790	0.006
	Max. H_z	2	114.626	0.027	41.212
	Max. M_x	2	5299.659	0.027	41.212
	Max. M_z	8	5405.069	-42.583	-0.035
	Max. Torsion	12	1.526	-20.427	-35.490
	Min. Vert	5	85.970	-20.387	35.447
	Min. H_x	8	114.626	-42.583	-0.035
	Min. H_z	14	114.626	-0.024	-42.790
	Min. M_x	14	-5436.207	-0.024	-42.790
	Min. M_z	20	-5247.010	40.790	0.006
	Min. Torsion	2	-1.534	0.027	41.212

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	95.522	0.000	0.000	-1.466	-3.320	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	114.626	-0.027	-41.212	-5299.659	1.899	1.534
0.9 Dead+1.0 Wind 0 deg - No Ice	85.970	-0.027	-41.212	-5250.372	2.914	1.517
1.2 Dead+1.0 Wind 30 deg - No Ice	114.626	20.387	-35.447	-4569.857	-2627.303	1.083
0.9 Dead+1.0 Wind 30 deg - No Ice	85.970	20.387	-35.447	-4527.237	-2602.030	1.072
1.2 Dead+1.0 Wind 60 deg - No Ice	114.626	36.883	-21.351	-2711.608	-4681.965	0.471
0.9 Dead+1.0 Wind 60 deg - No Ice	85.970	36.883	-21.351	-2686.385	-4638.159	0.470
1.2 Dead+1.0 Wind 90 deg - No Ice	114.626	42.583	0.035	5.829	-5405.069	-0.290
0.9 Dead+1.0 Wind 90 deg - No	85.970	42.583	0.035	6.212	-5354.652	-0.281

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						
1.2 Dead+1.0 Wind 120 deg - No Ice	114.626	35.561	20.634	2653.177	-4570.037	-1.024
0.9 Dead+1.0 Wind 120 deg - No Ice	85.970	35.561	20.634	2629.169	-4526.901	-1.007
1.2 Dead+1.0 Wind 150 deg - No Ice	114.626	20.427	35.490	4575.594	-2636.740	-1.526
0.9 Dead+1.0 Wind 150 deg - No Ice	85.970	20.427	35.490	4533.808	-2611.361	-1.506
1.2 Dead+1.0 Wind 180 deg - No Ice	114.626	0.024	42.790	5436.207	-9.745	-1.495
0.9 Dead+1.0 Wind 180 deg - No Ice	85.970	0.024	42.790	5386.963	-8.598	-1.477
1.2 Dead+1.0 Wind 210 deg - No Ice	114.626	-21.302	37.036	4703.336	2697.521	-1.051
0.9 Dead+1.0 Wind 210 deg - No Ice	85.970	-21.302	37.036	4660.793	2673.926	-1.040
1.2 Dead+1.0 Wind 240 deg - No Ice	114.626	-35.573	20.601	2645.342	4563.155	-0.340
0.9 Dead+1.0 Wind 240 deg - No Ice	85.970	-35.573	20.601	2621.422	4522.173	-0.339
1.2 Dead+1.0 Wind 270 deg - No Ice	114.626	-40.790	-0.006	-3.858	5247.010	0.357
0.9 Dead+1.0 Wind 270 deg - No Ice	85.970	-40.790	-0.006	-3.365	5199.661	0.348
1.2 Dead+1.0 Wind 300 deg - No Ice	114.626	-36.904	-21.376	-2717.776	4678.485	1.044
0.9 Dead+1.0 Wind 300 deg - No Ice	85.970	-36.904	-21.376	-2692.482	4636.793	1.027
1.2 Dead+1.0 Wind 330 deg - No Ice	114.626	-21.316	-37.018	-4704.309	2701.737	1.483
0.9 Dead+1.0 Wind 330 deg - No Ice	85.970	-21.316	-37.018	-4660.856	2678.094	1.464
1.2 Dead+1.0 Ice+1.0 Temp	155.531	0.000	-0.000	-9.290	-9.156	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	155.531	-0.004	-11.592	-1552.307	-8.245	0.508
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	155.531	5.772	-10.028	-1344.663	-776.893	0.374
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	155.531	10.035	-5.808	-780.558	-1340.771	0.168
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	155.531	11.585	0.006	-8.000	-1546.623	-0.088
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	155.531	10.008	5.800	762.987	-1340.085	-0.330
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	155.531	5.779	10.036	1327.430	-778.935	-0.494
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	155.531	0.004	11.632	1536.173	-10.742	-0.498
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	155.531	-5.796	10.071	1328.181	759.291	-0.367
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	155.531	-10.012	5.796	761.318	1321.340	-0.140
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	155.531	-11.546	0.000	-10.067	1526.216	0.102
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	155.531	-10.038	-5.811	-781.861	1322.714	0.335
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	155.531	-5.796	-10.065	-1346.864	760.165	0.485
Dead+Wind 0 deg - Service	95.522	-0.007	-10.212	-1306.799	-1.964	0.383
Dead+Wind 30 deg - Service	95.522	5.052	-8.784	-1126.982	-649.747	0.272
Dead+Wind 60 deg - Service	95.522	9.140	-5.291	-669.179	-1156.028	0.121

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+Wind 90 deg - Service	95.522	10.552	0.009	0.370	-1334.192	-0.068
Dead+Wind 120 deg - Service	95.522	8.812	5.113	652.627	-1128.405	-0.251
Dead+Wind 150 deg - Service	95.522	5.062	8.794	1126.268	-652.069	-0.378
Dead+Wind 180 deg - Service	95.522	0.006	10.603	1338.368	-4.827	-0.373
Dead+Wind 210 deg - Service	95.522	-5.279	9.178	1157.796	662.221	-0.265
Dead+Wind 240 deg - Service	95.522	-8.815	5.105	650.700	1121.852	-0.089
Dead+Wind 270 deg - Service	95.522	-10.108	-0.002	-2.012	1290.330	0.084
Dead+Wind 300 deg - Service	95.522	-9.145	-5.297	-670.697	1150.313	0.257
Dead+Wind 330 deg - Service	95.522	-5.282	-9.173	-1160.162	663.257	0.368

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	-95.522	0.000	0.000	95.522	0.000	0.000%
2	-0.027	-114.626	-41.212	0.027	114.626	41.212	0.000%
3	-0.027	-85.970	-41.212	0.027	85.970	41.212	0.000%
4	20.387	-114.626	-35.447	-20.387	114.626	35.447	0.000%
5	20.387	-85.970	-35.447	-20.387	85.970	35.447	0.000%
6	36.883	-114.626	-21.351	-36.883	114.626	21.351	0.000%
7	36.883	-85.970	-21.351	-36.883	85.970	21.351	0.000%
8	42.583	-114.626	0.035	-42.583	114.626	-0.035	0.000%
9	42.583	-85.970	0.035	-42.583	85.970	-0.035	0.000%
10	35.561	-114.626	20.634	-35.561	114.626	-20.634	0.000%
11	35.561	-85.970	20.634	-35.561	85.970	-20.634	0.000%
12	20.427	-114.626	35.490	-20.427	114.626	-35.490	0.000%
13	20.427	-85.970	35.490	-20.427	85.970	-35.490	0.000%
14	0.024	-114.626	42.790	-0.024	114.626	-42.790	0.000%
15	0.024	-85.970	42.790	-0.024	85.970	-42.790	0.000%
16	-21.302	-114.626	37.036	21.302	114.626	-37.036	0.000%
17	-21.302	-85.970	37.036	21.302	85.970	-37.036	0.000%
18	-35.573	-114.626	20.601	35.573	114.626	-20.601	0.000%
19	-35.573	-85.970	20.601	35.573	85.970	-20.601	0.000%
20	-40.790	-114.626	-0.006	40.790	114.626	0.006	0.000%
21	-40.790	-85.970	-0.006	40.790	85.970	0.006	0.000%
22	-36.904	-114.626	-21.376	36.904	114.626	21.376	0.000%
23	-36.904	-85.970	-21.376	36.904	85.970	21.376	0.000%
24	-21.316	-114.626	-37.018	21.316	114.626	37.018	0.000%
25	-21.316	-85.970	-37.018	21.316	85.970	37.018	0.000%
26	0.000	-155.531	0.000	-0.000	155.531	0.000	0.000%
27	-0.004	-155.531	-11.592	0.004	155.531	11.592	0.000%
28	5.772	-155.531	-10.028	-5.772	155.531	10.028	0.000%
29	10.035	-155.531	-5.808	-10.035	155.531	5.808	0.000%
30	11.585	-155.531	0.006	-11.585	155.531	-0.006	0.000%
31	10.008	-155.531	5.800	-10.008	155.531	-5.800	0.000%
32	5.779	-155.531	10.036	-5.779	155.531	-10.036	0.000%
33	0.004	-155.531	11.632	-0.004	155.531	-11.632	0.000%
34	-5.796	-155.531	10.071	5.796	155.531	-10.071	0.000%
35	-10.012	-155.531	5.796	10.012	155.531	-5.796	0.000%
36	-11.546	-155.531	0.000	11.546	155.531	-0.000	0.000%
37	-10.038	-155.531	-5.811	10.038	155.531	5.811	0.000%
38	-5.796	-155.531	-10.065	5.796	155.531	10.065	0.000%
39	-0.007	-95.522	-10.212	0.007	95.522	10.212	0.000%
40	5.052	-95.522	-8.784	-5.052	95.522	8.784	0.000%
41	9.140	-95.522	-5.291	-9.140	95.522	5.291	0.000%
42	10.552	-95.522	0.009	-10.552	95.522	-0.009	0.000%
43	8.812	-95.522	5.113	-8.812	95.522	-5.113	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
44	5.062	-95.522	8.794	-5.062	95.522	-8.794	0.000%
45	0.006	-95.522	10.603	-0.006	95.522	-10.603	0.000%
46	-5.279	-95.522	9.178	5.279	95.522	-9.178	0.000%
47	-8.815	-95.522	5.105	8.815	95.522	-5.105	0.000%
48	-10.108	-95.522	-0.002	10.108	95.522	0.002	0.000%
49	-9.145	-95.522	-5.297	9.145	95.522	5.297	0.000%
50	-5.282	-95.522	-9.173	5.282	95.522	9.173	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	0.00023118
3	Yes	5	0.00000001	0.00010156
4	Yes	6	0.00000001	0.00013128
5	Yes	6	0.00000001	0.00004925
6	Yes	6	0.00000001	0.00013331
7	Yes	6	0.00000001	0.00004978
8	Yes	5	0.00000001	0.00018720
9	Yes	5	0.00000001	0.00007342
10	Yes	6	0.00000001	0.00012808
11	Yes	6	0.00000001	0.00004797
12	Yes	6	0.00000001	0.00013304
13	Yes	6	0.00000001	0.00004992
14	Yes	5	0.00000001	0.00024104
15	Yes	5	0.00000001	0.00010670
16	Yes	6	0.00000001	0.00013233
17	Yes	6	0.00000001	0.00004944
18	Yes	6	0.00000001	0.00012969
19	Yes	6	0.00000001	0.00004868
20	Yes	5	0.00000001	0.00018758
21	Yes	5	0.00000001	0.00007450
22	Yes	6	0.00000001	0.00013647
23	Yes	6	0.00000001	0.00005106
24	Yes	6	0.00000001	0.00013197
25	Yes	6	0.00000001	0.00004927
26	Yes	4	0.00000001	0.00025504
27	Yes	6	0.00000001	0.00020291
28	Yes	6	0.00000001	0.00021445
29	Yes	6	0.00000001	0.00021401
30	Yes	6	0.00000001	0.00020222
31	Yes	6	0.00000001	0.00021246
32	Yes	6	0.00000001	0.00021243
33	Yes	6	0.00000001	0.00020043
34	Yes	6	0.00000001	0.00020969
35	Yes	6	0.00000001	0.00020909
36	Yes	6	0.00000001	0.00019878
37	Yes	6	0.00000001	0.00021121
38	Yes	6	0.00000001	0.00021238
39	Yes	4	0.00000001	0.00083569
40	Yes	5	0.00000001	0.00006258
41	Yes	5	0.00000001	0.00006240
42	Yes	4	0.00000001	0.00082406
43	Yes	5	0.00000001	0.00006013
44	Yes	5	0.00000001	0.00006340

45	Yes	4	0.00000001	0.00084716
46	Yes	5	0.00000001	0.00006122
47	Yes	5	0.00000001	0.00006088
48	Yes	4	0.00000001	0.00080561
49	Yes	5	0.00000001	0.00006402
50	Yes	5	0.00000001	0.00006115

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	190 - 185	14.963	45	0.631	0.000
L2	185 - 180	14.302	45	0.631	0.000
L3	180 - 175	13.642	45	0.629	0.000
L4	175 - 170	12.984	45	0.627	0.000
L5	170 - 165	12.330	45	0.623	0.000
L6	165 - 160	11.681	45	0.617	0.000
L7	160 - 155	11.039	45	0.608	0.000
L8	155 - 150	10.407	45	0.600	0.000
L9	150 - 145	9.783	45	0.590	0.000
L10	145 - 140	9.173	45	0.576	0.000
L11	140 - 135	8.579	45	0.558	0.000
L12	135 - 130	8.003	45	0.543	0.000
L13	130 - 125	7.443	45	0.526	0.000
L14	125 - 120	6.903	45	0.506	0.000
L15	120 - 115	6.385	45	0.482	0.000
L16	115 - 112.667	5.890	45	0.464	0.000
L17	112.667 - 112.417	5.665	45	0.454	0.000
L18	112.417 - 107.417	5.641	45	0.454	0.000
L19	107.417 - 103.33	5.175	45	0.437	0.000
L20	103.33 - 103.08	4.807	45	0.422	0.000
L21	103.08 - 100	4.785	45	0.421	0.000
L22	100 - 95	4.518	45	0.409	0.000
L23	95 - 90	4.098	45	0.393	0.000
L24	90 - 89.5	3.696	45	0.376	0.000
L25	89.5 - 89.25	3.656	45	0.374	0.000
L26	89.25 - 85.5	3.637	45	0.373	0.000
L27	85.5 - 85.25	3.348	45	0.361	0.000
L28	85.25 - 84	3.329	45	0.360	0.000
L29	84 - 83.75	3.236	45	0.357	0.000
L30	83.75 - 82.5	3.217	45	0.356	0.000
L31	82.5 - 82.25	3.124	45	0.351	0.000
L32	82.25 - 80	3.106	45	0.350	0.000
L33	80 - 75	2.943	45	0.341	0.000
L34	75 - 70	2.596	45	0.323	0.000
L35	70 - 65	2.268	45	0.304	0.000
L36	65 - 60	1.960	45	0.283	0.000
L37	60 - 58.5	1.675	45	0.261	0.000
L38	58.5 - 58.25	1.594	45	0.256	0.000
L39	58.25 - 53.25	1.581	45	0.255	0.000
L40	53.25 - 48.25	1.325	45	0.233	0.000
L41	48.25 - 48	1.093	45	0.210	0.000
L42	48 - 43	1.082	45	0.209	0.000
L43	43 - 40	0.874	45	0.189	0.000
L44	40 - 35	0.758	45	0.177	0.000
L45	35 - 32.08	0.584	45	0.155	0.000
L46	32.08 - 31.83	0.493	45	0.142	0.000
L47	31.83 - 28.75	0.486	45	0.141	0.000
L48	28.75 - 28.5	0.399	45	0.130	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L49	28.5 - 23.5	0.392	45	0.129	0.000
L50	23.5 - 18.5	0.269	45	0.106	0.000
L51	18.5 - 13.5	0.169	45	0.085	0.000
L52	13.5 - 8.5	0.091	45	0.063	0.000
L53	8.5 - 3.5	0.037	45	0.041	0.000
L54	3.5 - 0	0.006	45	0.017	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	PD201-7	45	14.698	0.631	0.000	266898
187.000	SP2-5.8	45	14.566	0.631	0.000	266898
185.000	1900MHz RRH	45	14.302	0.631	0.000	266898
184.000	3' x 2" Pipe Mount	45	14.170	0.631	0.000	221615
179.000	458-2D	45	13.510	0.629	0.000	122333
170.000	KRY 112 144/1	45	12.330	0.623	0.000	58186
160.000	DMP65R-BU6D w/ Mount Pipe	45	11.039	0.608	0.000	34367
150.000	(2) RFV01U-D1A	45	9.783	0.590	0.000	23452
141.000	MX08FRO665-21 w/ Mount Pipe	45	8.697	0.561	0.000	17474
125.000	PD128-1	45	6.903	0.506	0.000	13116
110.000	PD128-1	45	5.414	0.446	0.000	16556
100.000	GPS_A	45	4.518	0.409	0.000	16235
95.000	PD128-1	45	4.098	0.393	0.000	17363
80.000	DB222	45	2.943	0.341	0.000	15001

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	190 - 185	60.859	14	2.568	0.001
L2	185 - 180	58.171	14	2.567	0.001
L3	180 - 175	55.487	14	2.559	0.002
L4	175 - 170	52.812	14	2.550	0.002
L5	170 - 165	50.150	14	2.534	0.002
L6	165 - 160	47.509	14	2.510	0.002
L7	160 - 155	44.900	14	2.474	0.002
L8	155 - 150	42.325	14	2.442	0.002
L9	150 - 145	39.791	14	2.399	0.002
L10	145 - 140	37.308	14	2.342	0.002
L11	140 - 135	34.892	14	2.270	0.002
L12	135 - 130	32.546	14	2.211	0.002
L13	130 - 125	30.268	14	2.140	0.001
L14	125 - 120	28.070	14	2.057	0.001
L15	120 - 115	25.965	14	1.962	0.001
L16	115 - 112.667	23.950	14	1.887	0.001
L17	112.667 - 112.417	23.037	14	1.849	0.001
L18	112.417 - 107.417	22.940	14	1.846	0.001
L19	107.417 - 103.33	21.043	14	1.777	0.001
L20	103.33 - 103.08	19.548	14	1.716	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L21	103.08 - 100	19.458	14	1.712	0.001
L22	100 - 95	18.370	14	1.663	0.001
L23	95 - 90	16.663	14	1.598	0.001
L24	90 - 89.5	15.025	14	1.528	0.001
L25	89.5 - 89.25	14.866	14	1.521	0.001
L26	89.25 - 85.5	14.786	14	1.518	0.001
L27	85.5 - 85.25	13.613	14	1.469	0.001
L28	85.25 - 84	13.537	14	1.466	0.001
L29	84 - 83.75	13.155	14	1.451	0.001
L30	83.75 - 82.5	13.079	14	1.447	0.001
L31	82.5 - 82.25	12.702	14	1.429	0.001
L32	82.25 - 80	12.628	14	1.425	0.001
L33	80 - 75	11.966	14	1.385	0.001
L34	75 - 70	10.553	14	1.313	0.001
L35	70 - 65	9.219	14	1.235	0.001
L36	65 - 60	7.969	14	1.151	0.001
L37	60 - 58.5	6.809	14	1.063	0.001
L38	58.5 - 58.25	6.479	14	1.040	0.000
L39	58.25 - 53.25	6.424	14	1.036	0.000
L40	53.25 - 48.25	5.386	14	0.947	0.000
L41	48.25 - 48	4.443	14	0.854	0.000
L42	48 - 43	4.398	14	0.850	0.000
L43	43 - 40	3.550	14	0.769	0.000
L44	40 - 35	3.082	14	0.719	0.000
L45	35 - 32.08	2.375	14	0.631	0.000
L46	32.08 - 31.83	2.005	14	0.578	0.000
L47	31.83 - 28.75	1.975	14	0.575	0.000
L48	28.75 - 28.5	1.619	14	0.528	0.000
L49	28.5 - 23.5	1.592	14	0.523	0.000
L50	23.5 - 18.5	1.093	14	0.430	0.000
L51	18.5 - 13.5	0.687	14	0.345	0.000
L52	13.5 - 8.5	0.371	14	0.257	0.000
L53	8.5 - 3.5	0.149	14	0.165	0.000
L54	3.5 - 0	0.026	14	0.069	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	PD201-7	14	59.783	2.568	0.001	66519
187.000	SP2-5.8	14	59.246	2.568	0.001	66519
185.000	1900MHz RRH	14	58.171	2.567	0.001	66519
184.000	3' x 2" Pipe Mount	14	57.633	2.566	0.002	55269
179.000	458-2D	14	54.951	2.558	0.002	30767
170.000	KRY 112 144/1	14	50.150	2.534	0.002	14461
160.000	DMP65R-BU6D w/ Mount Pipe	14	44.900	2.474	0.002	8485
150.000	(2) RFV01U-D1A	14	39.791	2.399	0.002	5794
141.000	MX08FRO665-21 w/ Mount Pipe	14	35.370	2.284	0.002	4318
125.000	PD128-1	14	28.070	2.057	0.001	3234
110.000	PD128-1	14	22.014	1.814	0.001	4079
100.000	GPS_A	14	18.370	1.663	0.001	3994
95.000	PD128-1	14	16.663	1.598	0.001	4271
80.000	DB222	14	11.966	1.385	0.001	3689

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	190 - 185 (1)	P30x0.375	5.000	0.000	0.0	34.901	-3.436	1311.060	0.003
L2	185 - 180 (2)	P30x0.375	5.000	0.000	0.0	34.901	-4.813	1311.060	0.004
L3	180 - 175 (3)	P36x0.375	5.000	0.000	0.0	41.970	-7.885	1490.100	0.005
L4	175 - 170 (4)	P36x0.375	5.000	0.000	0.0	41.970	-8.811	1490.100	0.006
L5	170 - 165 (5)	P36x0.375	5.000	0.000	0.0	41.970	-14.481	1490.100	0.010
L6	165 - 160 (6)	P36x0.375	5.000	0.000	0.0	41.970	-15.466	1490.100	0.010
L7	160 - 155 (7)	P42x0.375	5.000	0.000	0.0	49.038	-21.818	1668.870	0.013
L8	155 - 150 (8)	P42x0.375	5.000	0.000	0.0	49.038	-23.008	1668.870	0.014
L9	150 - 145 (9)	P42x0.375	5.000	0.000	0.0	49.038	-29.810	1668.870	0.018
L10	145 - 140 (10)	P42x0.375	5.000	0.000	0.0	49.038	-34.195	1668.870	0.020
L11	140 - 135 (11)	P48x0.375	5.000	0.000	0.0	56.107	-35.613	1847.490	0.019
L12	135 - 130 (12)	P48x0.375	5.000	0.000	0.0	56.107	-37.036	1847.490	0.020
L13	130 - 125 (13)	P48x0.375	5.000	0.000	0.0	56.107	-38.466	1847.490	0.021
L14	125 - 120 (14)	P48x0.375	5.000	0.000	0.0	56.107	-40.077	1847.490	0.022
L15	120 - 115 (15)	P54x0.375	5.000	0.000	0.0	63.175	-41.653	2026.000	0.021
L16	115 - 112.667 (16)	P54x0.375	2.333	0.000	0.0	63.175	-42.389	2026.000	0.021
L17	112.667 - 112.417 (17)	P54x0.4875	0.250	0.000	0.0	81.956	-42.490	2797.170	0.015
L18	112.417 - 107.417 (18)	P54x0.4875	5.000	0.000	0.0	81.956	-44.612	2797.170	0.016
L19	107.417 - 103.33 (19)	P54x0.4875	4.087	0.000	0.0	81.956	-46.193	2797.170	0.017
L20	103.33 - 103.08 (20)	P54x0.4875	0.250	0.000	0.0	81.956	-46.292	2797.170	0.017
L21	103.08 - 100 (21)	P54x0.4875	3.080	0.000	0.0	81.956	-47.484	2797.170	0.017
L22	100 - 95 (22)	P60x0.475	5.000	0.000	0.0	88.827	-49.606	2934.040	0.017
L23	95 - 90 (23)	P60x0.475	5.000	0.000	0.0	88.827	-51.885	2934.040	0.018
L24	90 - 89.5 (24)	P60x0.475	0.500	0.000	0.0	88.827	-52.095	2934.040	0.018
L25	89.5 - 89.25 (25)	P60x0.55625	0.250	0.000	0.0	103.879	-52.214	3570.370	0.015
L26	89.25 - 85.5 (26)	P60x0.55625	3.750	0.000	0.0	103.879	-54.005	3570.370	0.015
L27	85.5 - 85.25 (27)	P60x0.6375	0.250	0.000	0.0	118.889	-54.168	4245.550	0.013
L28	85.25 - 84 (28)	P60x0.6375	1.250	0.000	0.0	118.889	-54.943	4245.550	0.013
L29	84 - 83.75 (29)	P60x0.525	0.250	0.000	0.0	98.094	-55.073	3321.020	0.017
L30	83.75 - 82.5 (30)	P60x0.525	1.250	0.000	0.0	98.094	-55.704	3321.020	0.017
L31	82.5 - 82.25 (31)	P60x0.45	0.250	0.000	0.0	84.187	-55.822	2746.080	0.020
L32	82.25 - 80 (32)	P60x0.45	2.250	0.000	0.0	84.187	-56.842	2746.080	0.021
L33	80 - 75 (33)	P60x0.575	5.000	0.000	0.0	107.346	-59.817	3722.740	0.016
L34	75 - 70 (34)	P60x0.575	5.000	0.000	0.0	107.346	-62.309	3722.740	0.017
L35	70 - 65 (35)	P60x0.575	5.000	0.000	0.0	107.346	-64.895	3722.740	0.017
L36	65 - 60 (36)	P60x0.575	5.000	0.000	0.0	107.346	-68.052	3722.740	0.018
L37	60 - 58.5 (37)	P60x0.7	1.500	0.000	0.0	130.408	-69.084	4791.240	0.014
L38	58.5 - 58.25 (38)	P60x0.625	0.250	0.000	0.0	116.583	-69.249	4139.150	0.017
L39	58.25 - 53.25 (39)	P60x0.625	5.000	0.000	0.0	116.583	-72.431	4139.150	0.017

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L40	53.25 - 48.25 (40)	P60x0.625	5.000	0.000	0.0	116.583	-75.137	4139.150	0.018
L41	48.25 - 48 (41)	P60x0.775	0.250	0.000	0.0	144.197	-75.302	5450.650	0.014
L42	48 - 43 (42)	P60x0.775	5.000	0.000	0.0	144.197	-79.184	5450.650	0.015
L43	43 - 40 (43)	P60x0.775	3.000	0.000	0.0	144.197	-81.540	5450.650	0.015
L44	40 - 35 (44)	P60x0.775	5.000	0.000	0.0	144.197	-85.800	5450.650	0.016
L45	35 - 32.08 (45)	P60x0.775	2.920	0.000	0.0	144.197	-87.669	5450.650	0.016
L46	32.08 - 31.83 (46)	P60x0.9625	0.250	0.000	0.0	178.517	-87.869	6747.930	0.013
L47	31.83 - 28.75 (47)	P60x0.9625	3.080	0.000	0.0	178.517	-90.234	6747.930	0.013
L48	28.75 - 28.5 (48)	P60x0.8125	0.250	0.000	0.0	151.079	-90.406	5710.780	0.016
L49	28.5 - 23.5 (49)	P60x0.8125	5.000	0.000	0.0	151.079	-94.294	5710.780	0.017
L50	23.5 - 18.5 (50)	P60x0.95	5.000	0.000	0.0	176.235	-99.293	6661.700	0.015
L51	18.5 - 13.5 (51)	P60x0.95	5.000	0.000	0.0	176.235	-104.242	6661.700	0.016
L52	13.5 - 8.5 (52)	P60x0.95	5.000	0.000	0.0	176.235	-108.082	6661.700	0.016
L53	8.5 - 3.5 (53)	P60x0.95	5.000	0.000	0.0	176.235	-111.926	6661.700	0.017
L54	3.5 - 0 (54)	P60x0.95	3.500	0.000	0.0	176.235	-114.617	6661.700	0.017

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	190 - 185 (1)	P30x0.375	10.262	947.858	0.011	0.000	947.858	0.000
L2	185 - 180 (2)	P30x0.375	29.877	947.858	0.032	0.000	947.858	0.000
L3	180 - 175 (3)	P36x0.375	59.183	1338.808	0.044	0.000	1338.808	0.000
L4	175 - 170 (4)	P36x0.375	90.159	1338.808	0.067	0.000	1338.808	0.000
L5	170 - 165 (5)	P36x0.375	139.809	1338.808	0.104	0.000	1338.808	0.000
L6	165 - 160 (6)	P36x0.375	191.602	1338.808	0.143	0.000	1338.808	0.000
L7	160 - 155 (7)	P42x0.375	280.478	1796.558	0.156	0.000	1796.558	0.000
L8	155 - 150 (8)	P42x0.375	360.899	1796.558	0.201	0.000	1796.558	0.000
L9	150 - 145 (9)	P42x0.375	481.642	1796.558	0.268	0.000	1796.558	0.000
L10	145 - 140 (10)	P42x0.375	598.094	1796.558	0.333	0.000	1796.558	0.000
L11	140 - 135 (11)	P48x0.375	727.396	2321.108	0.313	0.000	2321.108	0.000
L12	135 - 130 (12)	P48x0.375	858.983	2321.108	0.370	0.000	2321.108	0.000
L13	130 - 125 (13)	P48x0.375	992.792	2321.108	0.428	0.000	2321.108	0.000
L14	125 - 120 (14)	P48x0.375	1129.558	2321.108	0.487	0.000	2321.108	0.000
L15	120 - 115 (15)	P54x0.375	1268.467	2912.458	0.436	0.000	2912.458	0.000
L16	115 - 112.667 (16)	P54x0.375	1334.092	2912.458	0.458	0.000	2912.458	0.000
L17	112.667 - 112.417 (17)	P54x0.4875	1341.158	3864.467	0.347	0.000	3864.467	0.000
L18	112.417 - 107.417 (18)	P54x0.4875	1484.858	3864.467	0.384	0.000	3864.467	0.000
L19	107.417 - 103.33 (19)	P54x0.4875	1604.625	3864.467	0.415	0.000	3864.467	0.000
L20	103.33 - 103.08 (20)	P54x0.4875	1612.050	3864.467	0.417	0.000	3864.467	0.000
L21	103.08 - 100 (21)	P54x0.4875	1704.492	3864.467	0.441	0.000	3864.467	0.000
L22	100 - 95 (22)	P60x0.475	1857.592	4598.575	0.404	0.000	4598.575	0.000
L23	95 - 90 (23)	P60x0.475	2014.025	4598.575	0.438	0.000	4598.575	0.000
L24	90 - 89.5 (24)	P60x0.475	2029.800	4598.575	0.441	0.000	4598.575	0.000
L25	89.5 - 89.25	P60x0.55625	2037.708	5456.533	0.373	0.000	5456.533	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 $\frac{M_{uy}}{\phi M_{ny}}$
L26	89.25 - 85.5 (25)	P60x0.55625	2157.825	5456.533	0.395	0.000	5456.533	0.000
L27	85.5 - 85.25 (26)	P60x0.6375	2165.933	6334.558	0.342	0.000	6334.558	0.000
L28	85.25 - 84 (27)	P60x0.6375	2206.683	6334.558	0.348	0.000	6334.558	0.000
L29	84 - 83.75 (28)	P60x0.525	2214.875	5124.158	0.432	0.000	5124.158	0.000
L30	83.75 - 82.5 (29)	P60x0.525	2256.025	5124.158	0.440	0.000	5124.158	0.000
L31	82.5 - 82.25 (30)	P60x0.45	2264.292	4338.667	0.522	0.000	4338.667	0.000
L32	82.25 - 80 (31)	P60x0.45	2339.242	4338.667	0.539	0.000	4338.667	0.000
L33	80 - 75 (32)	P60x0.575	2510.258	5657.383	0.444	0.000	5657.383	0.000
L34	75 - 70 (33)	P60x0.575	2684.533	5657.383	0.475	0.000	5657.383	0.000
L35	70 - 65 (34)	P60x0.575	2860.933	5657.383	0.506	0.000	5657.383	0.000
L36	65 - 60 (35)	P60x0.575	3040.575	5657.383	0.537	0.000	5657.383	0.000
L37	60 - 58.5 (36)	P60x0.7	3095.317	7023.433	0.441	0.000	7023.433	0.000
L38	58.5 - 58.25 (37)	P60x0.625	3104.475	6198.183	0.501	0.000	6198.183	0.000
L39	58.25 - 53.25 (38)	P60x0.625	3288.758	6198.183	0.531	0.000	6198.183	0.000
L40	53.25 - 48.25 (39)	P60x0.625	3474.833	6198.183	0.561	0.000	6198.183	0.000
L41	48.25 - 48 (40)	P60x0.775	3484.183	7865.350	0.443	0.000	7865.350	0.000
L42	48 - 43 (41)	P60x0.775	3673.192	7865.350	0.467	0.000	7865.350	0.000
L43	43 - 40 (42)	P60x0.775	3788.475	7865.350	0.482	0.000	7865.350	0.000
L44	40 - 35 (43)	P60x0.775	3983.683	7865.350	0.506	0.000	7865.350	0.000
L45	35 - 32.08 (44)	P60x0.775	4099.358	7865.350	0.521	0.000	7865.350	0.000
L46	32.08 - 31.83 (45)	P60x0.9625	4109.317	10041.583	0.409	0.000	10041.583	0.000
L47	31.83 - 28.75 (46)	P60x0.9625	4232.675	10041.583	0.422	0.000	10041.583	0.000
L48	28.75 - 28.5 (47)	P60x0.8125	4242.742	8292.483	0.512	0.000	8292.483	0.000
L49	28.5 - 23.5 (48)	P60x0.8125	4445.817	8292.483	0.536	0.000	8292.483	0.000
L50	23.5 - 18.5 (49)	P60x0.95	4652.217	9893.333	0.470	0.000	9893.333	0.000
L51	18.5 - 13.5 (50)	P60x0.95	4861.950	9893.333	0.491	0.000	9893.333	0.000
L52	13.5 - 8.5 (51)	P60x0.95	5073.833	9893.333	0.513	0.000	9893.333	0.000
L53	8.5 - 3.5 (52)	P60x0.95	5286.692	9893.333	0.534	0.000	9893.333	0.000
L54	3.5 - 0 (53)	P60x0.95	5436.217	9893.333	0.549	0.000	9893.333	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	190 - 185 (1)	P30x0.375	2.645	395.779	0.007	0.017	994.725	0.000
L2	185 - 180 (2)	P30x0.375	3.799	395.779	0.010	0.527	994.725	0.001
L3	180 - 175 (3)	P36x0.375	5.985	454.187	0.013	0.284	1094.275	0.000
L4	175 - 170 (4)	P36x0.375	6.381	454.187	0.014	0.284	1094.275	0.000
L5	170 - 165 (5)	P36x0.375	10.162	454.187	0.022	0.284	1094.275	0.000
L6	165 - 160 (6)	P36x0.375	10.547	454.187	0.023	0.284	1094.275	0.000
L7	160 - 155 (7)	P42x0.375	15.872	421.127	0.038	0.116	1185.508	0.000
L8	155 - 150 (8)	P42x0.375	16.309	421.127	0.039	0.116	1185.508	0.000
L9	150 - 145 (9)	P42x0.375	22.599	421.127	0.054	0.700	1185.508	0.001
L10	145 - 140 (10)	P42x0.375	25.640	421.127	0.061	0.700	1185.508	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 $\frac{T_u}{\phi T_n}$
L11	140 - 135 (11)	P48x0.375	26.105	394.809	0.066	0.700	1270.825	0.001
L12	135 - 130 (12)	P48x0.375	26.556	394.809	0.067	0.700	1270.825	0.001
L13	130 - 125 (13)	P48x0.375	26.991	394.809	0.068	0.700	1270.825	0.001
L14	125 - 120 (14)	P48x0.375	27.558	394.809	0.070	0.992	1270.825	0.001
L15	120 - 115 (15)	P54x0.375	28.035	406.963	0.069	0.992	1474.983	0.001
L16	115 - 112.667 (16)	P54x0.375	28.255	406.963	0.069	0.992	1474.983	0.001
L17	112.667 - 112.417 (17)	P54x0.4875	28.276	732.851	0.039	0.992	2650.550	0.000
L18	112.417 - 107.417 (18)	P54x0.4875	28.936	732.851	0.039	0.992	2650.550	0.000
L19	107.417 - 103.33 (19)	P54x0.4875	29.701	732.851	0.041	0.991	2650.550	0.000
L20	103.33 - 103.08 (20)	P54x0.4875	29.745	732.851	0.041	0.991	2650.550	0.000
L21	103.08 - 100 (21)	P54x0.4875	30.314	732.851	0.041	0.991	2650.550	0.000
L22	100 - 95 (22)	P60x0.475	30.876	710.493	0.043	0.784	2858.408	0.000
L23	95 - 90 (23)	P60x0.475	31.521	710.493	0.044	1.149	2858.408	0.000
L24	90 - 89.5 (24)	P60x0.475	31.617	710.493	0.044	1.149	2858.408	0.000
L25	89.5 - 89.25 (25)	P60x0.55625	31.667	1012.190	0.031	1.149	4066.625	0.000
L26	89.25 - 85.5 (26)	P60x0.55625	32.428	1012.190	0.032	1.149	4066.625	0.000
L27	85.5 - 85.25 (27)	P60x0.6375	32.479	1348.200	0.024	1.149	5511.492	0.000
L28	85.25 - 84 (28)	P60x0.6375	32.755	1348.200	0.024	1.149	5511.492	0.000
L29	84 - 83.75 (29)	P60x0.525	32.805	889.186	0.037	1.149	3574.308	0.000
L30	83.75 - 82.5 (30)	P60x0.525	33.067	889.186	0.037	1.149	3574.308	0.000
L31	82.5 - 82.25 (31)	P60x0.45	33.113	629.375	0.053	1.149	2533.125	0.000
L32	82.25 - 80 (32)	P60x0.45	33.547	629.375	0.053	1.149	2533.125	0.000
L33	80 - 75 (33)	P60x0.575	34.653	1090.240	0.032	1.496	4378.800	0.000
L34	75 - 70 (34)	P60x0.575	35.090	1090.240	0.032	1.496	4378.800	0.000
L35	70 - 65 (35)	P60x0.575	35.508	1090.240	0.033	1.496	4378.800	0.000
L36	65 - 60 (36)	P60x0.575	36.388	1090.240	0.033	1.496	4378.800	0.000
L37	60 - 58.5 (37)	P60x0.7	36.650	1478.820	0.025	1.496	6788.033	0.000
L38	58.5 - 58.25 (38)	P60x0.625	36.683	1314.110	0.028	1.496	5273.533	0.000
L39	58.25 - 53.25 (39)	P60x0.625	37.066	1314.110	0.028	1.496	5273.533	0.000
L40	53.25 - 48.25 (40)	P60x0.625	37.408	1314.110	0.028	1.496	5273.533	0.000
L41	48.25 - 48 (41)	P60x0.775	37.418	1635.200	0.023	1.496	8514.417	0.000
L42	48 - 43 (42)	P60x0.775	38.220	1635.200	0.023	1.496	8514.417	0.000
L43	43 - 40 (43)	P60x0.775	38.681	1635.200	0.024	1.496	8514.417	0.000
L44	40 - 35 (44)	P60x0.775	39.443	1635.200	0.024	1.496	8514.417	0.000
L45	35 - 32.08 (45)	P60x0.775	39.842	1635.200	0.024	1.496	8514.417	0.000
L46	32.08 - 31.83 (46)	P60x0.9625	39.860	2024.380	0.020	1.496	10507.500	0.000
L47	31.83 - 28.75 (47)	P60x0.9625	40.281	2024.380	0.020	1.496	10507.500	0.000
L48	28.75 - 28.5 (48)	P60x0.8125	40.306	1713.230	0.024	1.496	8915.083	0.000
L49	28.5 - 23.5 (49)	P60x0.8125	40.964	1713.230	0.024	1.495	8915.083	0.000
L50	23.5 - 18.5 (50)	P60x0.95	41.642	1998.510	0.021	1.495	10375.417	0.000
L51	18.5 - 13.5 (51)	P60x0.95	42.300	1998.510	0.021	1.495	10375.417	0.000
L52	13.5 - 8.5 (52)	P60x0.95	42.506	1998.510	0.021	1.495	10375.417	0.000
L53	8.5 - 3.5 (53)	P60x0.95	42.692	1998.510	0.021	1.495	10375.417	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L54	3.5 - 0 (54)	P60x0.95	42.813	1998.510	0.021	1.495	10375.417	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	190 - 185 (1)	0.003	0.011	0.000	0.007	0.000	0.013 ✔	1.050	4.8.2 ✔
L2	185 - 180 (2)	0.004	0.032	0.000	0.010	0.001	0.035 ✔	1.050	4.8.2 ✔
L3	180 - 175 (3)	0.005	0.044	0.000	0.013	0.000	0.050 ✔	1.050	4.8.2 ✔
L4	175 - 170 (4)	0.006	0.067	0.000	0.014	0.000	0.073 ✔	1.050	4.8.2 ✔
L5	170 - 165 (5)	0.010	0.104	0.000	0.022	0.000	0.115 ✔	1.050	4.8.2 ✔
L6	165 - 160 (6)	0.010	0.143	0.000	0.023	0.000	0.154 ✔	1.050	4.8.2 ✔
L7	160 - 155 (7)	0.013	0.156	0.000	0.038	0.000	0.171 ✔	1.050	4.8.2 ✔
L8	155 - 150 (8)	0.014	0.201	0.000	0.039	0.000	0.216 ✔	1.050	4.8.2 ✔
L9	150 - 145 (9)	0.018	0.268	0.000	0.054	0.001	0.289 ✔	1.050	4.8.2 ✔
L10	145 - 140 (10)	0.020	0.333	0.000	0.061	0.001	0.357 ✔	1.050	4.8.2 ✔
L11	140 - 135 (11)	0.019	0.313	0.000	0.066	0.001	0.337 ✔	1.050	4.8.2 ✔
L12	135 - 130 (12)	0.020	0.370	0.000	0.067	0.001	0.395 ✔	1.050	4.8.2 ✔
L13	130 - 125 (13)	0.021	0.428	0.000	0.068	0.001	0.453 ✔	1.050	4.8.2 ✔
L14	125 - 120 (14)	0.022	0.487	0.000	0.070	0.001	0.513 ✔	1.050	4.8.2 ✔
L15	120 - 115 (15)	0.021	0.436	0.000	0.069	0.001	0.461 ✔	1.050	4.8.2 ✔
L16	115 - 112.667 (16)	0.021	0.458	0.000	0.069	0.001	0.484 ✔	1.050	4.8.2 ✔
L17	112.667 - 112.417 (17)	0.015	0.347	0.000	0.039	0.000	0.364 ✔	1.050	4.8.2 ✔
L18	112.417 - 107.417 (18)	0.016	0.384	0.000	0.039	0.000	0.402 ✔	1.050	4.8.2 ✔
L19	107.417 - 103.33 (19)	0.017	0.415	0.000	0.041	0.000	0.433 ✔	1.050	4.8.2 ✔
L20	103.33 - 103.08 (20)	0.017	0.417	0.000	0.041	0.000	0.435 ✔	1.050	4.8.2 ✔
L21	103.08 - 100 (21)	0.017	0.441	0.000	0.041	0.000	0.460	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L22	100 - 95 (22)	0.017	0.404	0.000	0.043	0.000	0.423	1.050	4.8.2
L23	95 - 90 (23)	0.018	0.438	0.000	0.044	0.000	0.458	1.050	4.8.2
L24	90 - 89.5 (24)	0.018	0.441	0.000	0.044	0.000	0.461	1.050	4.8.2
L25	89.5 - 89.25 (25)	0.015	0.373	0.000	0.031	0.000	0.389	1.050	4.8.2
L26	89.25 - 85.5 (26)	0.015	0.395	0.000	0.032	0.000	0.412	1.050	4.8.2
L27	85.5 - 85.25 (27)	0.013	0.342	0.000	0.024	0.000	0.355	1.050	4.8.2
L28	85.25 - 84 (28)	0.013	0.348	0.000	0.024	0.000	0.362	1.050	4.8.2
L29	84 - 83.75 (29)	0.017	0.432	0.000	0.037	0.000	0.450	1.050	4.8.2
L30	83.75 - 82.5 (30)	0.017	0.440	0.000	0.037	0.000	0.458	1.050	4.8.2
L31	82.5 - 82.25 (31)	0.020	0.522	0.000	0.053	0.000	0.545	1.050	4.8.2
L32	82.25 - 80 (32)	0.021	0.539	0.000	0.053	0.000	0.563	1.050	4.8.2
L33	80 - 75 (33)	0.016	0.444	0.000	0.032	0.000	0.461	1.050	4.8.2
L34	75 - 70 (34)	0.017	0.475	0.000	0.032	0.000	0.492	1.050	4.8.2
L35	70 - 65 (35)	0.017	0.506	0.000	0.033	0.000	0.524	1.050	4.8.2
L36	65 - 60 (36)	0.018	0.537	0.000	0.033	0.000	0.557	1.050	4.8.2
L37	60 - 58.5 (37)	0.014	0.441	0.000	0.025	0.000	0.456	1.050	4.8.2
L38	58.5 - 58.25 (38)	0.017	0.501	0.000	0.028	0.000	0.518	1.050	4.8.2
L39	58.25 - 53.25 (39)	0.017	0.531	0.000	0.028	0.000	0.549	1.050	4.8.2
L40	53.25 - 48.25 (40)	0.018	0.561	0.000	0.028	0.000	0.580	1.050	4.8.2
L41	48.25 - 48 (41)	0.014	0.443	0.000	0.023	0.000	0.457	1.050	4.8.2
L42	48 - 43 (42)	0.015	0.467	0.000	0.023	0.000	0.482	1.050	4.8.2
L43	43 - 40 (43)	0.015	0.482	0.000	0.024	0.000	0.497	1.050	4.8.2
L44	40 - 35 (44)	0.016	0.506	0.000	0.024	0.000	0.523	1.050	4.8.2
L45	35 - 32.08 (45)	0.016	0.521	0.000	0.024	0.000	0.538	1.050	4.8.2
L46	32.08 - 31.83 (46)	0.013	0.409	0.000	0.020	0.000	0.423	1.050	4.8.2
L47	31.83 - 28.75	0.013	0.422	0.000	0.020	0.000	0.435	1.050	4.8.2

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
L48	28.75 - 28.5 (47)	0.016	0.512	0.000	0.024	0.000	0.528 ✔	1.050	4.8.2 ✔
L49	28.5 - 23.5 (48)	0.017	0.536	0.000	0.024	0.000	0.553 ✔	1.050	4.8.2 ✔
L50	23.5 - 18.5 (49)	0.015	0.470	0.000	0.021	0.000	0.486 ✔	1.050	4.8.2 ✔
L51	18.5 - 13.5 (50)	0.016	0.491	0.000	0.021	0.000	0.508 ✔	1.050	4.8.2 ✔
L52	13.5 - 8.5 (51)	0.016	0.513	0.000	0.021	0.000	0.530 ✔	1.050	4.8.2 ✔
L53	8.5 - 3.5 (52)	0.017	0.534	0.000	0.021	0.000	0.552 ✔	1.050	4.8.2 ✔
L54	3.5 - 0 (53)	0.017	0.549	0.000	0.021	0.000	0.567 ✔	1.050	4.8.2 ✔
	(54)								

Section Capacity Table

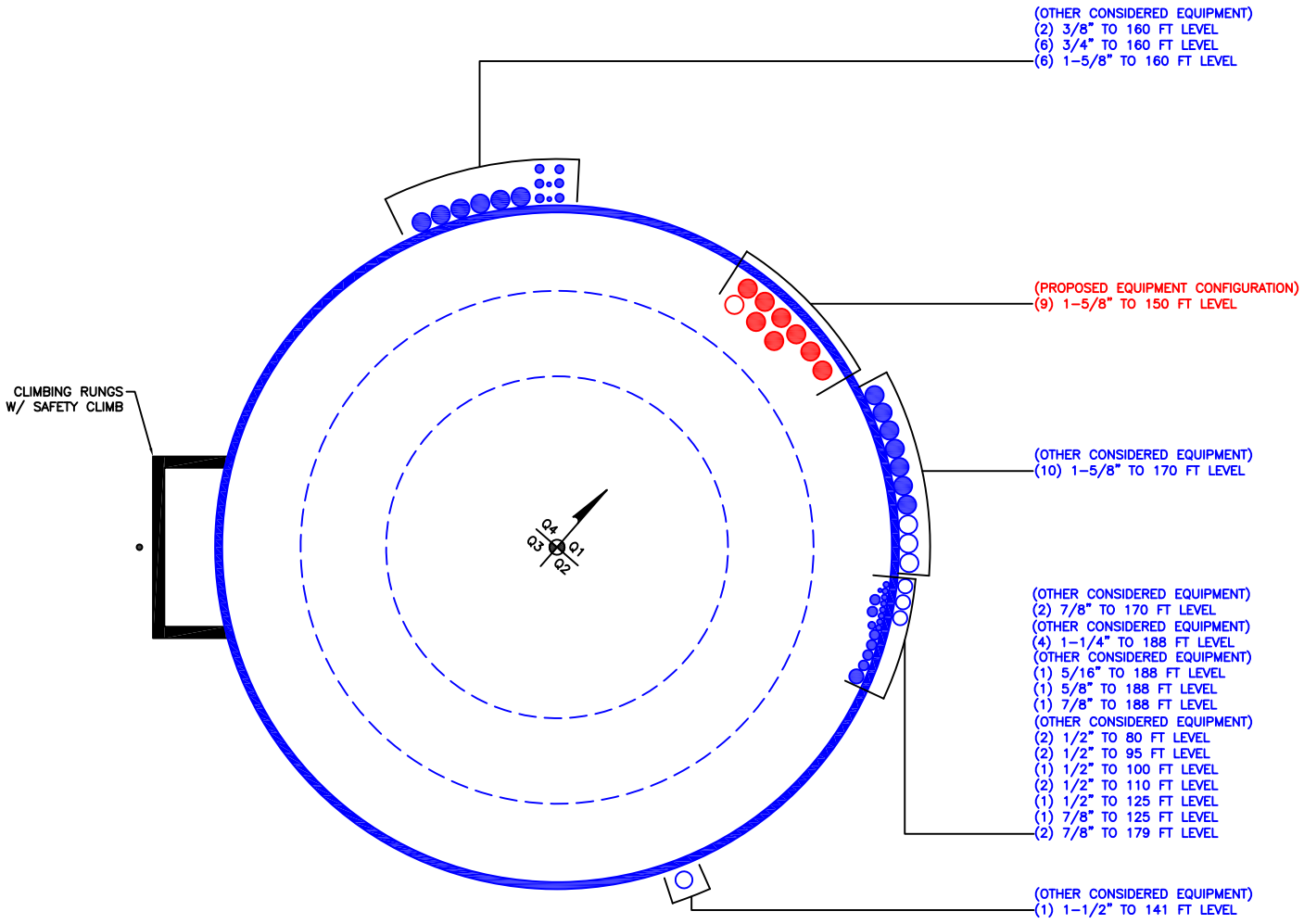
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	190 - 185	Pole	P30x0.375	1	-3.436	1376.613	**	**
L2	185 - 180	Pole	P30x0.375	2	-4.813	1376.613	**	**
L3	180 - 175	Pole	P36x0.375	3	-7.885	1564.605	**	**
L4	175 - 170	Pole	P36x0.375	4	-8.811	1564.605	**	**
L5	170 - 165	Pole	P36x0.375	5	-14.481	1564.605	**	**
L6	165 - 160	Pole	P36x0.375	6	-15.466	1564.605	**	**
L7	160 - 155	Pole	P42x0.375	7	-21.818	1752.313	**	**
L8	155 - 150	Pole	P42x0.375	8	-23.008	1752.313	**	**
L9	150 - 145	Pole	P42x0.375	9	-29.810	1752.313	**	**
L10	145 - 140	Pole	P42x0.375	10	-34.195	1752.313	**	**
L11	140 - 135	Pole	P48x0.375	11	-35.613	1939.864	**	**
L12	135 - 130	Pole	P48x0.375	12	-37.036	1939.864	**	**
L13	130 - 125	Pole	P48x0.375	13	-38.466	1939.864	**	**
L14	125 - 120	Pole	P48x0.375	14	-40.077	1939.864	**	**
L15	120 - 115	Pole	P54x0.375	15	-41.653	2127.300	**	**
L16	115 - 112.667	Pole	P54x0.375	16	-42.389	2127.300	**	**
L17	112.667 - 112.417	Pole	P54x0.4875	17	-42.490	2937.028	**	**
L18	112.417 - 107.417	Pole	P54x0.4875	18	-44.612	2937.028	**	**
L19	107.417 - 103.33	Pole	P54x0.4875	19	-46.193	2937.028	**	**
L20	103.33 - 103.08	Pole	P54x0.4875	20	-46.292	2937.028	**	**
L21	103.08 - 100	Pole	P54x0.4875	21	-47.484	2937.028	**	**
L22	100 - 95	Pole	P60x0.475	22	-49.606	3080.742	**	**
L23	95 - 90	Pole	P60x0.475	23	-51.885	3080.742	**	**
L24	90 - 89.5	Pole	P60x0.475	24	-52.095	3080.742	**	**
L25	89.5 - 89.25	Pole	P60x0.55625	25	-52.214	3748.888	**	**
L26	89.25 - 85.5	Pole	P60x0.55625	26	-54.005	3748.888	**	**
L27	85.5 - 85.25	Pole	P60x0.6375	27	-54.168	4457.827	**	**
L28	85.25 - 84	Pole	P60x0.6375	28	-54.943	4457.827	**	**
L29	84 - 83.75	Pole	P60x0.525	29	-55.073	3487.071	**	**
L30	83.75 - 82.5	Pole	P60x0.525	30	-55.704	3487.071	**	**
L31	82.5 - 82.25	Pole	P60x0.45	31	-55.822	2883.384	**	**

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L32	82.25 - 80	Pole	P60x0.45	32	-56.842	2883.384	**	**
L33	80 - 75	Pole	P60x0.575	33	-59.817	3908.877	**	**
L34	75 - 70	Pole	P60x0.575	34	-62.309	3908.877	**	**
L35	70 - 65	Pole	P60x0.575	35	-64.895	3908.877	**	**
L36	65 - 60	Pole	P60x0.575	36	-68.052	3908.877	**	**
L37	60 - 58.5	Pole	P60x0.7	37	-69.084	5030.802	**	**
L38	58.5 - 58.25	Pole	P60x0.625	38	-69.249	4346.107	**	**
L39	58.25 - 53.25	Pole	P60x0.625	39	-72.431	4346.107	**	**
L40	53.25 - 48.25	Pole	P60x0.625	40	-75.137	4346.107	**	**
L41	48.25 - 48	Pole	P60x0.775	41	-75.302	5723.182	**	**
L42	48 - 43	Pole	P60x0.775	42	-79.184	5723.182	**	**
L43	43 - 40	Pole	P60x0.775	43	-81.540	5723.182	**	**
L44	40 - 35	Pole	P60x0.775	44	-85.800	5723.182	**	**
L45	35 - 32.08	Pole	P60x0.775	45	-87.669	5723.182	**	**
L46	32.08 - 31.83	Pole	P60x0.9625	46	-87.869	7085.326	**	**
L47	31.83 - 28.75	Pole	P60x0.9625	47	-90.234	7085.326	**	**
L48	28.75 - 28.5	Pole	P60x0.8125	48	-90.406	5996.319	**	**
L49	28.5 - 23.5	Pole	P60x0.8125	49	-94.294	5996.319	**	**
L50	23.5 - 18.5	Pole	P60x0.95	50	-99.293	6994.785	**	**
L51	18.5 - 13.5	Pole	P60x0.95	51	-104.242	6994.785	**	**
L52	13.5 - 8.5	Pole	P60x0.95	52	-108.082	6994.785	**	**
L53	8.5 - 3.5	Pole	P60x0.95	53	-111.926	6994.785	**	**
L54	3.5 - 0	Pole	P60x0.95	54	-114.617	6994.785	**	**
							Summary	
						Pole	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 829046

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 829046

Work Order: 2032261

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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	190	10		0	30	30	0.375		A53-B-42
2	180	20		0	36.00	36	0.375		A53-B-42
3	160	20		0	42.00	42	0.375		A53-B-42
4	140	20		0	48.00	48	0.375		A53-B-42
5	120	20		0	54.00	54	0.375		A53-B-42
6	100	20		0	60.00	60	0.375		A53-B-42
7	80	20		0	60.00	60	0.5		A53-B-42
8	60	20		0	60.00	60	0.625		A53-B-42
9	40	20		0	60.00	60	0.625		A53-B-42
10	20	20		0	60.00	60	0.75		A53-B-42

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	32.08	plate	MS-850 (1.1875")	3	0					120						240						
2	28.75	48.25	plate	MS-650 (1.1875")	3		24						144						264				
3	58.5	85.5	plate	MS-450 (1.1875")	3	0					120						240						
4	84	103.33	plate	MS-600 (1.1875")	3	20						140						260					
5	103.33	112.667	plate	MS-600 (1.1875")	3	0					120						240						
6	82.5	89.5	plate	MS-450 (1.1875")	3					90						210						330	
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
2	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
3	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
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	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

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	190 - 185	5		0	30.000	30.000	0.375	A53-B-42	1.000
2	185 - 180	5	0	0	30.000	30.000	0.375	A53-B-42	1.000
3	180 - 175	5		0	36.000	36.000	0.375	A53-B-42	1.000
4	175 - 170	5		0	36.000	36.000	0.375	A53-B-42	1.000
5	170 - 165	5		0	36.000	36.000	0.375	A53-B-42	1.000
6	165 - 160	5	0	0	36.000	36.000	0.375	A53-B-42	1.000
7	160 - 155	5		0	42.000	42.000	0.375	A53-B-42	1.000
8	155 - 150	5		0	42.000	42.000	0.375	A53-B-42	1.000
9	150 - 145	5		0	42.000	42.000	0.375	A53-B-42	1.000
10	145 - 140	5	0	0	42.000	42.000	0.375	A53-B-42	1.000
11	140 - 135	5		0	48.000	48.000	0.375	A53-B-42	1.000
12	135 - 130	5		0	48.000	48.000	0.375	A53-B-42	1.000
13	130 - 125	5		0	48.000	48.000	0.375	A53-B-42	1.000
14	125 - 120	5	0	0	48.000	48.000	0.375	A53-B-42	1.000
15	120 - 115	5		0	54.000	54.000	0.375	A53-B-42	1.000
16	115 - 112.667	2.333		0	54.000	54.000	0.375	A53-B-42	1.000
17	112.667 - 112.417	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
18	112.417 - 107.417	5		0	54.000	54.000	0.4875	A53-B-42	0.990
19	107.417 - 103.33	4.087		0	54.000	54.000	0.4875	A53-B-42	0.990
20	103.33 - 103.08	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
21	103.08 - 100	3.08	0	0	54.000	54.000	0.4875	A53-B-42	0.990
22	100 - 95	5		0	60.000	60.000	0.475	A53-B-42	0.993
23	95 - 90	5		0	60.000	60.000	0.475	A53-B-42	0.993
24	90 - 89.5	0.5		0	60.000	60.000	0.475	A53-B-42	0.993
25	89.5 - 89.25	0.25		0	60.000	60.000	0.55625	A53-B-42	0.979
26	89.25 - 85.5	3.75		0	60.000	60.000	0.55625	A53-B-42	0.979
27	85.5 - 85.25	0.25		0	60.000	60.000	0.6375	A53-B-42	0.969
28	85.25 - 84	1.25		0	60.000	60.000	0.6375	A53-B-42	0.969
29	84 - 83.75	0.25		0	60.000	60.000	0.525	A53-B-42	0.991
30	83.75 - 82.5	1.25		0	60.000	60.000	0.525	A53-B-42	0.991
31	82.5 - 82.25	0.25		0	60.000	60.000	0.45	A53-B-42	0.995
32	82.25 - 80	2.25	0	0	60.000	60.000	0.45	A53-B-42	0.995
33	80 - 75	5		0	60.000	60.000	0.575	A53-B-42	0.996
34	75 - 70	5		0	60.000	60.000	0.575	A53-B-42	0.996
35	70 - 65	5		0	60.000	60.000	0.575	A53-B-42	0.996
36	65 - 60	5	0	0	60.000	60.000	0.575	A53-B-42	0.996
37	60 - 58.5	1.5		0	60.000	60.000	0.7	A53-B-42	0.998
38	58.5 - 58.25	0.25		0	60.000	60.000	0.625	A53-B-42	1.000
39	58.25 - 53.25	5		0	60.000	60.000	0.625	A53-B-42	1.000
40	53.25 - 48.25	5		0	60.000	60.000	0.625	A53-B-42	1.000
41	48.25 - 48	0.25		0	60.000	60.000	0.775	A53-B-42	0.978
42	48 - 43	5		0	60.000	60.000	0.775	A53-B-42	0.978
43	43 - 40	3	0	0	60.000	60.000	0.775	A53-B-42	0.978
44	40 - 35	5		0	60.000	60.000	0.775	A53-B-42	0.978
45	35 - 32.08	2.92		0	60.000	60.000	0.775	A53-B-42	0.978
46	32.08 - 31.83	0.25		0	60.000	60.000	0.9625	A53-B-42	0.968
47	31.83 - 28.75	3.08		0	60.000	60.000	0.9625	A53-B-42	0.968
48	28.75 - 28.5	0.25		0	60.000	60.000	0.8125	A53-B-42	0.983
49	28.5 - 23.5	5	0	0	60.000	60.000	0.8125	A53-B-42	0.983
50	23.5 - 18.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
51	18.5 - 13.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
52	13.5 - 8.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
53	8.5 - 3.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
54	3.5 - 0	3.5		0	60.000	60.000	0.95	A53-B-42	0.973

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	190 - 185	3.44	10.26	2.65
2	185 - 180	4.81	29.88	3.80
3	180 - 175	7.88	59.18	5.98
4	175 - 170	8.81	90.16	6.38
5	170 - 165	14.48	139.81	10.16
6	165 - 160	15.47	191.60	10.55
7	160 - 155	21.82	280.48	15.87
8	155 - 150	23.01	360.90	16.31
9	150 - 145	29.81	481.64	22.60
10	145 - 140	34.20	598.09	25.64
11	140 - 135	35.61	727.40	26.11
12	135 - 130	37.04	858.99	26.56
13	130 - 125	38.47	992.79	26.99
14	125 - 120	40.08	1129.56	27.56
15	120 - 115	41.65	1268.47	28.04
16	115 - 112.667	42.39	1334.09	28.25
17	112.667 - 112.417	42.49	1341.16	28.28
18	112.417 - 107.417	44.61	1484.86	28.94
19	107.417 - 103.33	46.19	1604.62	29.70
20	103.33 - 103.08	46.29	1612.05	29.75
21	103.08 - 100	47.48	1704.49	30.31
22	100 - 95	49.61	1857.59	30.88
23	95 - 90	51.88	2014.02	31.52
24	90 - 89.5	52.10	2029.80	31.62
25	89.5 - 89.25	52.21	2037.71	31.67
26	89.25 - 85.5	54.01	2157.82	32.43
27	85.5 - 85.25	54.17	2165.93	32.48
28	85.25 - 84	54.94	2206.68	32.76
29	84 - 83.75	55.07	2214.88	32.80
30	83.75 - 82.5	55.70	2256.02	33.07
31	82.5 - 82.25	55.82	2264.29	33.11
32	82.25 - 80	56.84	2339.24	33.55
33	80 - 75	59.82	2510.26	34.65
34	75 - 70	62.31	2684.53	35.09
35	70 - 65	64.89	2860.93	35.51
36	65 - 60	68.05	3040.57	36.39
37	60 - 58.5	69.08	3095.32	36.65
38	58.5 - 58.25	69.25	3104.48	36.68
39	58.25 - 53.25	72.43	3288.76	37.07
40	53.25 - 48.25	75.14	3474.84	37.41
41	48.25 - 48	75.30	3484.18	37.42
42	48 - 43	79.18	3673.19	38.22
43	43 - 40	81.54	3788.48	38.68
44	40 - 35	85.80	3983.68	39.44
45	35 - 32.08	87.67	4099.36	39.84
46	32.08 - 31.83	87.87	4109.31	39.86
47	31.83 - 28.75	90.23	4232.67	40.28
48	28.75 - 28.5	90.41	4242.74	40.31
49	28.5 - 23.5	94.29	4445.82	40.96
50	23.5 - 18.5	99.29	4652.21	41.64
51	18.5 - 13.5	104.24	4861.95	42.30
52	13.5 - 8.5	108.08	5073.83	42.51
53	8.5 - 3.5	111.93	5286.69	42.69
54	3.5 - 0	114.62	5436.22	42.81

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
190 - 185	Pole	TP30x30x0.375	Pole	1.3%	Pass
185 - 180	Pole	TP30x30x0.375	Pole	3.4%	Pass
180 - 175	Pole	TP36x36x0.375	Pole	4.7%	Pass
175 - 170	Pole	TP36x36x0.375	Pole	7.0%	Pass
170 - 165	Pole	TP36x36x0.375	Pole	10.9%	Pass
165 - 160	Pole	TP36x36x0.375	Pole	14.7%	Pass
160 - 155	Pole	TP42x42x0.375	Pole	16.2%	Pass
155 - 150	Pole	TP42x42x0.375	Pole	20.6%	Pass
150 - 145	Pole	TP42x42x0.375	Pole	27.5%	Pass
145 - 140	Pole	TP42x42x0.375	Pole	34.0%	Pass
140 - 135	Pole	TP48x48x0.375	Pole	32.0%	Pass
135 - 130	Pole	TP48x48x0.375	Pole	37.4%	Pass
130 - 125	Pole	TP48x48x0.375	Pole	43.0%	Pass
125 - 120	Pole	TP48x48x0.375	Pole	48.7%	Pass
120 - 115	Pole	TP54x54x0.375	Pole	43.7%	Pass
115 - 112.67	Pole	TP54x54x0.375	Pole	45.9%	Pass
112.67 - 112.42	Pole + Reinf.	TP54x54x0.4875	Pole	35.2%	Pass
112.42 - 107.42	Pole + Reinf.	TP54x54x0.4875	Pole	38.9%	Pass
107.42 - 103.33	Pole + Reinf.	TP54x54x0.4875	Pole	41.9%	Pass
103.33 - 103.08	Pole + Reinf.	TP54x54x0.4875	Pole	42.1%	Pass
103.08 - 100	Pole + Reinf.	TP54x54x0.4875	Pole	44.5%	Pass
100 - 95	Pole + Reinf.	TP60x60x0.475	Pole	40.7%	Pass
95 - 90	Pole + Reinf.	TP60x60x0.475	Pole	44.0%	Pass
90 - 89.5	Pole + Reinf.	TP60x60x0.475	Pole	44.4%	Pass
89.5 - 89.25	Pole + Reinf.	TP60x60x0.5563	Pole	38.4%	Pass
89.25 - 85.5	Pole + Reinf.	TP60x60x0.5563	Pole	40.6%	Pass
85.5 - 85.25	Pole + Reinf.	TP60x60x0.6375	Pole	35.8%	Pass
85.25 - 84	Pole + Reinf.	TP60x60x0.6375	Pole	36.5%	Pass
84 - 83.75	Pole + Reinf.	TP60x60x0.525	Pole	43.7%	Pass
83.75 - 82.5	Pole + Reinf.	TP60x60x0.525	Pole	44.5%	Pass
82.5 - 82.25	Pole + Reinf.	TP60x60x0.45	Pole	52.3%	Pass
82.25 - 80	Pole + Reinf.	TP60x60x0.45	Pole	54.0%	Pass
80 - 75	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	44.4%	Pass
75 - 70	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	47.4%	Pass
70 - 65	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	50.5%	Pass
65 - 60	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	53.7%	Pass
60 - 58.5	Pole + Reinf.	TP60x60x0.7	Reinf. 3 Compression	45.1%	Pass
58.5 - 58.25	Pole	TP60x60x0.625	Pole	49.4%	Pass
58.25 - 53.25	Pole	TP60x60x0.625	Pole	52.3%	Pass
53.25 - 48.25	Pole	TP60x60x0.625	Pole	55.2%	Pass
48.25 - 48	Pole + Reinf.	TP60x60x0.775	Pole	45.1%	Pass
48 - 43	Pole + Reinf.	TP60x60x0.775	Pole	47.6%	Pass
43 - 40	Pole + Reinf.	TP60x60x0.775	Pole	49.1%	Pass
40 - 35	Pole + Reinf.	TP60x60x0.775	Pole	51.6%	Pass
35 - 32.08	Pole + Reinf.	TP60x60x0.775	Pole	53.1%	Pass
32.08 - 31.83	Pole + Reinf.	TP60x60x0.9625	Pole	42.9%	Pass
31.83 - 28.75	Pole + Reinf.	TP60x60x0.9625	Pole	44.1%	Pass
28.75 - 28.5	Pole + Reinf.	TP60x60x0.8125	Pole	52.0%	Pass
28.5 - 23.5	Pole + Reinf.	TP60x60x0.8125	Pole	54.4%	Pass
23.5 - 18.5	Pole + Reinf.	TP60x60x0.95	Pole	48.3%	Pass
18.5 - 13.5	Pole + Reinf.	TP60x60x0.95	Pole	50.5%	Pass
13.5 - 8.5	Pole + Reinf.	TP60x60x0.95	Pole	52.7%	Pass
8.5 - 3.5	Pole + Reinf.	TP60x60x0.95	Pole	54.9%	Pass
3.5 - 0	Pole + Reinf.	TP60x60x0.95	Pole	56.4%	Pass
				Summary	
			Pole	56.4%	Pass
			Reinforcement	53.7%	Pass
			Overall	56.4%	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
190 - 185	3829	n/a	3829	34.90	n/a	34.90	1.3%						
185 - 180	3829	n/a	3829	34.90	n/a	34.90	3.4%						
180 - 175	6659	n/a	6659	41.97	n/a	41.97	4.7%						
175 - 170	6659	n/a	6659	41.97	n/a	41.97	7.0%						
170 - 165	6659	n/a	6659	41.97	n/a	41.97	10.9%						
165 - 160	6659	n/a	6659	41.97	n/a	41.97	14.7%						
160 - 155	10622	n/a	10622	49.04	n/a	49.04	16.2%						
155 - 150	10622	n/a	10622	49.04	n/a	49.04	20.6%						
150 - 145	10622	n/a	10622	49.04	n/a	49.04	27.5%						
145 - 140	10622	n/a	10622	49.04	n/a	49.04	34.0%						
140 - 135	15908	n/a	15908	56.11	n/a	56.11	32.0%						
135 - 130	15908	n/a	15908	56.11	n/a	56.11	37.4%						
130 - 125	15908	n/a	15908	56.11	n/a	56.11	43.0%						
125 - 120	15908	n/a	15908	56.11	n/a	56.11	48.7%						
120 - 115	22710	n/a	22710	63.18	n/a	63.18	43.7%						
115 - 112.67	22710	n/a	22710	63.18	n/a	63.18	45.9%						
112.67 - 112.42	22710	6834	29544	63.18	18.00	81.18	35.2%					31.5%	
112.42 - 107.42	22710	6834	29544	63.18	18.00	81.18	38.9%					34.8%	
107.42 - 103.33	22710	6834	29544	63.18	18.00	81.18	41.9%					37.5%	
103.33 - 103.08	22710	6834	29544	63.18	18.00	81.18	42.1%				37.7%		
103.08 - 100	22710	6834	29544	63.18	18.00	81.18	44.5%				39.8%		
100 - 95	31217	8400	39617	70.24	18.00	88.24	40.7%				36.0%		
95 - 90	31217	8400	39617	70.24	18.00	88.24	44.0%				39.0%		
90 - 89.5	31217	8400	39617	70.24	18.00	88.24	44.4%				39.3%		
89.5 - 89.25	31217	14691	45908	70.24	31.50	101.74	38.4%				34.0%		37.5%
89.25 - 85.5	31217	14691	45908	70.24	31.50	101.74	40.6%				35.9%		39.7%
85.5 - 85.25	31217	20982	52199	70.24	45.00	115.24	35.8%			35.0%	31.7%		35.0%
85.25 - 84	31217	20982	52199	70.24	45.00	115.24	36.5%			35.6%	32.3%		35.6%
84 - 83.75	31217	12582	43799	70.24	27.00	97.24	43.7%			42.7%			42.7%
83.75 - 82.5	31217	12582	43799	70.24	27.00	97.24	44.5%			43.5%			43.5%
82.5 - 82.25	31217	6291	37508	70.24	13.50	83.74	52.3%			51.1%			
82.25 - 80	31217	6291	37508	70.24	13.50	83.74	54.0%			52.7%			
80 - 75	41363	6291	47654	93.46	13.50	106.96	44.3%			44.4%			
75 - 70	41363	6291	47654	93.46	13.50	106.96	47.3%			47.4%			
70 - 65	41363	6291	47654	93.46	13.50	106.96	50.4%			50.5%			
65 - 60	41363	6291	47654	93.46	13.50	106.96	53.5%			53.7%			
60 - 58.5	51381	6291	57672	116.58	13.50	130.08	43.8%			45.1%			
58.5 - 58.25	51381	n/a	51381	116.58	n/a	116.58	49.4%						
58.25 - 53.25	51381	n/a	51381	116.58	n/a	116.58	52.3%						
53.25 - 48.25	51381	n/a	51381	116.58	n/a	116.58	55.2%						
48.25 - 48	51381	11475	62856	116.58	24.38	140.96	45.1%		41.4%				
48 - 43	51381	11475	62856	116.58	24.38	140.96	47.6%		43.6%				
43 - 40	51381	11475	62856	116.58	24.38	140.96	49.1%		45.0%				
40 - 35	51381	11475	62856	116.58	24.38	140.96	51.6%		47.3%				
35 - 32.08	51381	11475	62856	116.58	24.38	140.96	53.1%		48.7%				
32.08 - 31.83	51381	26521	77901	116.58	56.25	172.83	42.9%	38.8%	39.3%				
31.83 - 28.75	51381	26521	77901	116.58	56.25	172.83	44.1%	38.6%	40.5%				
28.75 - 28.5	51381	15046	66426	116.58	31.88	148.46	52.0%	45.4%					
28.5 - 23.5	51381	15046	66426	116.58	31.88	148.46	54.4%	47.6%					
23.5 - 18.5	61271	15046	76317	139.60	31.88	171.48	48.3%	43.3%					
18.5 - 13.5	61271	15046	76317	139.60	31.88	171.48	50.5%	45.3%					
13.5 - 8.5	61271	15046	76317	139.60	31.88	171.48	52.7%	47.2%					
8.5 - 3.5	61271	15046	76317	139.60	31.88	171.48	54.9%	49.2%					
3.5 - 0	61271	15046	76317	139.60	31.88	171.48	56.4%	52.4%					

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

Monopole Flange Plate Connection

Elevation = 180 ft.

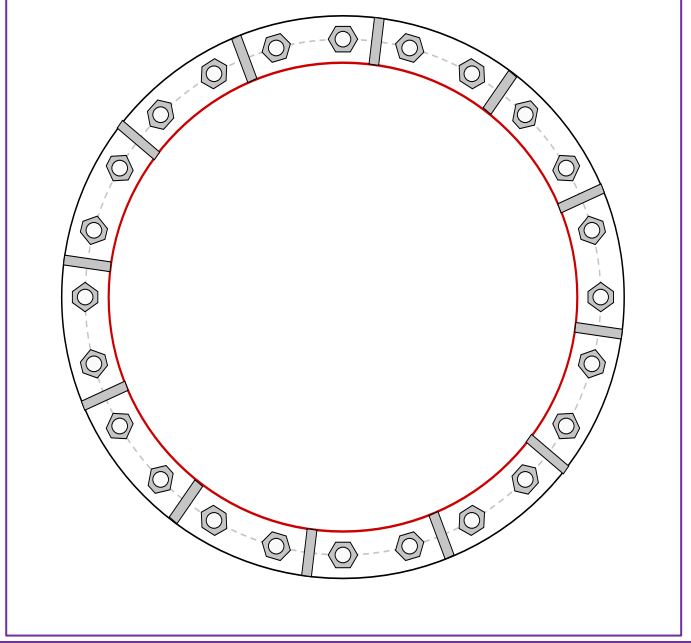
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

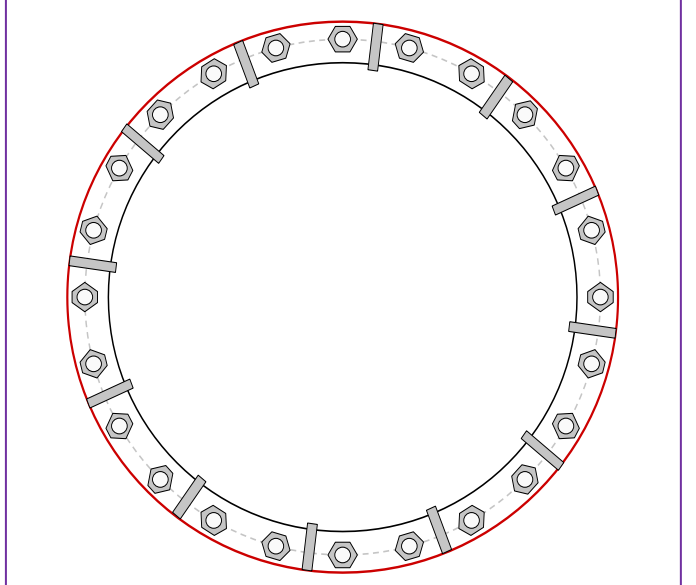
Applied Loads	
Moment (kip-ft)	29.88
Axial Force (kips)	4.81
Shear Force (kips)	3.80

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 33" BC

Top Plate Data

36" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

30" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(12) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(12) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

30" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	1.61	
Allowable (kips)	54.54	
Stress Rating:	**2.8%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Top Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Bottom Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Top Pole Capacity

Punching Shear:	**Pirod OK**

Bottom Pole Capacity

Punching Shear:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 160 ft.

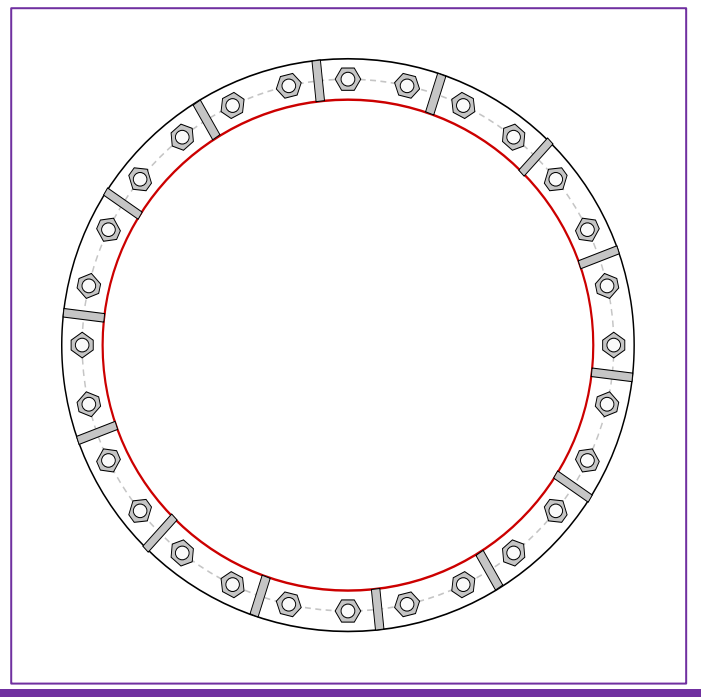
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

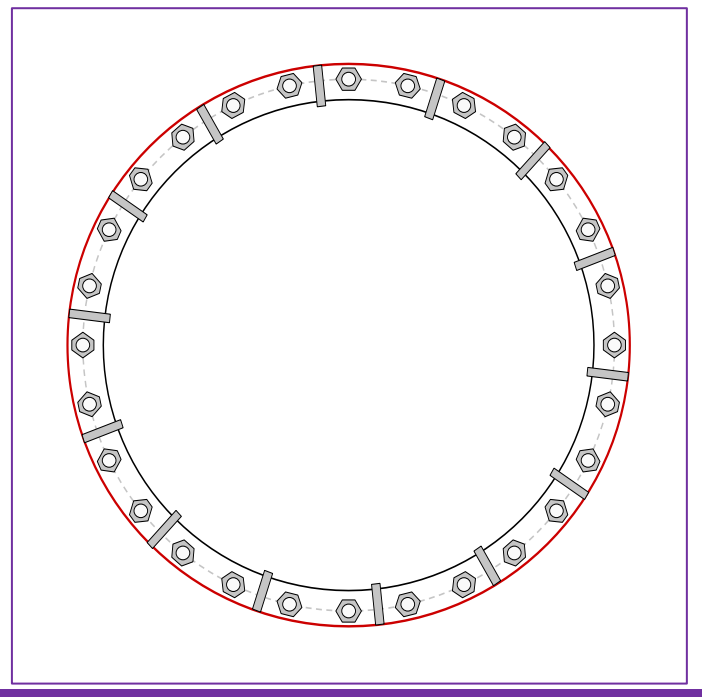
Applied Loads	
Moment (kip-ft)	191.60
Axial Force (kips)	15.47
Shear Force (kips)	10.55

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(28) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(14) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(14) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	7.87	
Allowable (kips)	54.54	
Stress Rating:	**13.7%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Top Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Bottom Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Top Pole Capacity

Punching Shear:	**Pirod OK**

Bottom Pole Capacity

Punching Shear:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 140 ft.

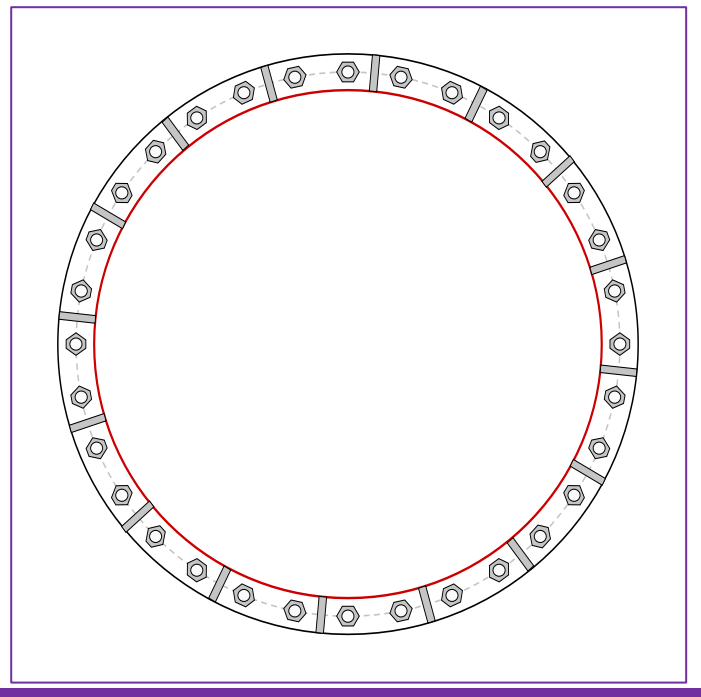
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

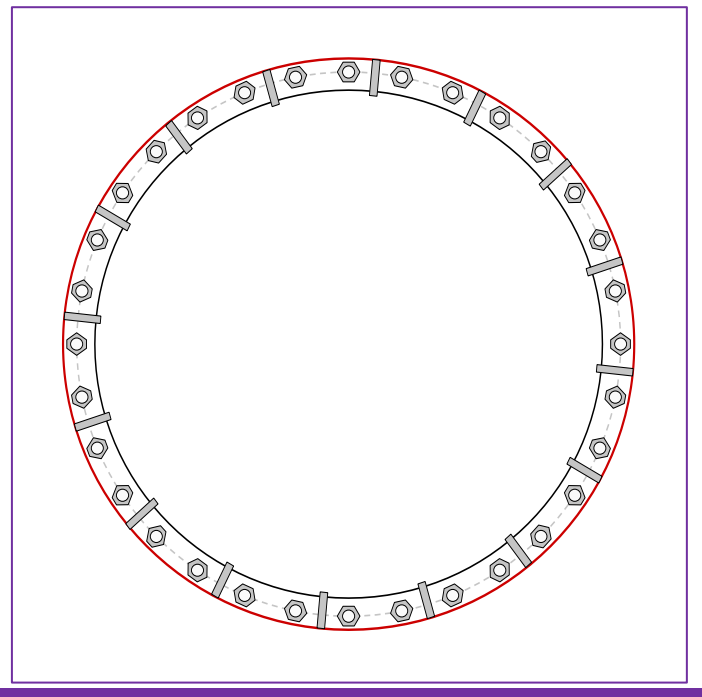
Applied Loads	
Moment (kip-ft)	598.09
Axial Force (kips)	34.20
Shear Force (kips)	25.64

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(16) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(16) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.86	
Allowable (kips)	54.53	
Stress Rating:	**32.9%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Top Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Top Pole Capacity

Punching Shear:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Bottom Pole Capacity

Punching Shear:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 120 ft.

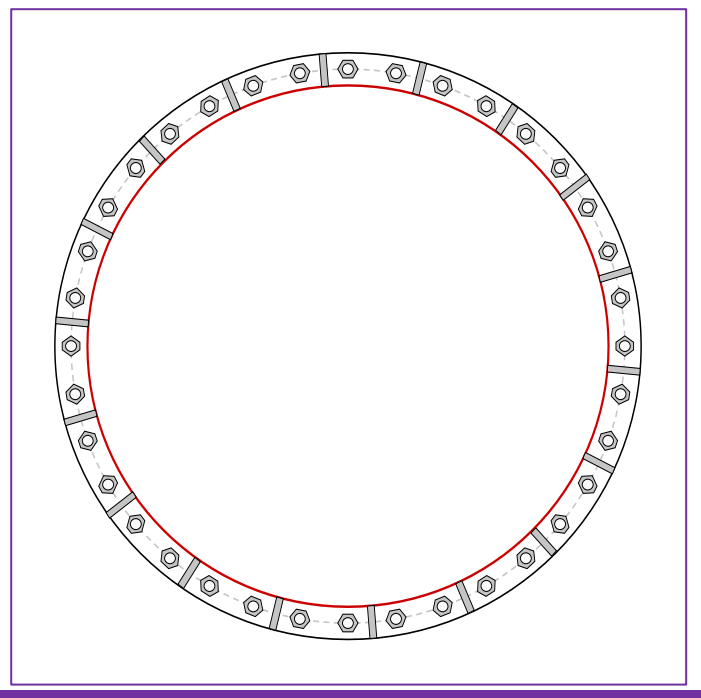
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

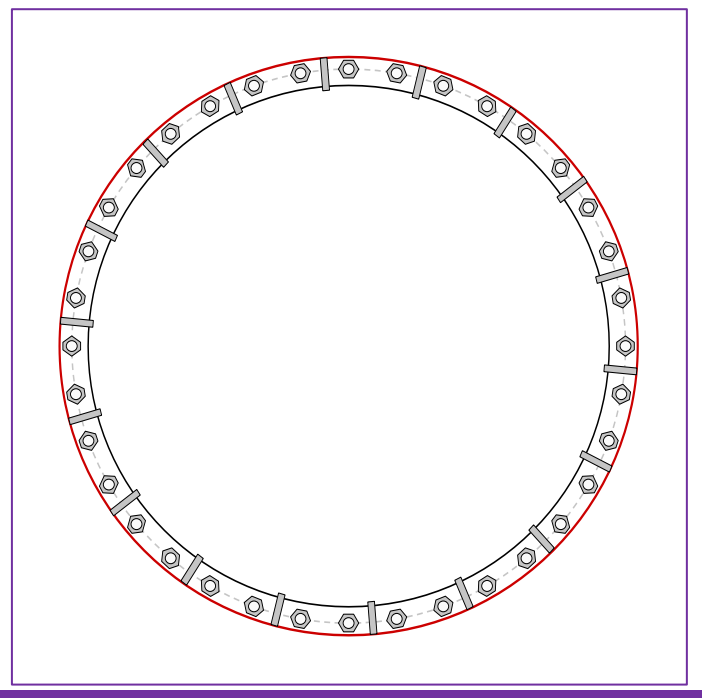
Applied Loads	
Moment (kip-ft)	1129.56
Axial Force (kips)	40.08
Shear Force (kips)	27.56

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(18) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(18) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	28.41	
Allowable (kips)	54.53	
Stress Rating:	**49.6%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Top Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Bottom Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Top Pole Capacity

Punching Shear:	**Pirod OK**

Bottom Pole Capacity

Punching Shear:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 100 ft.

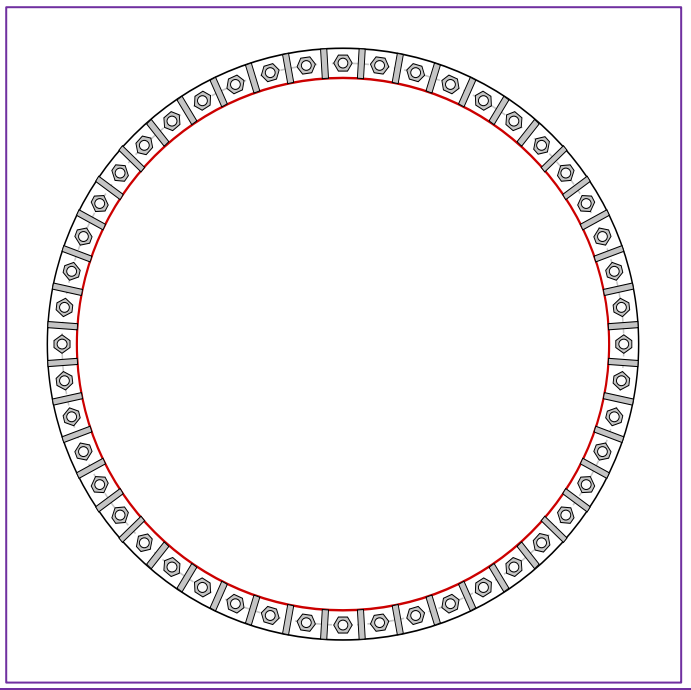
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

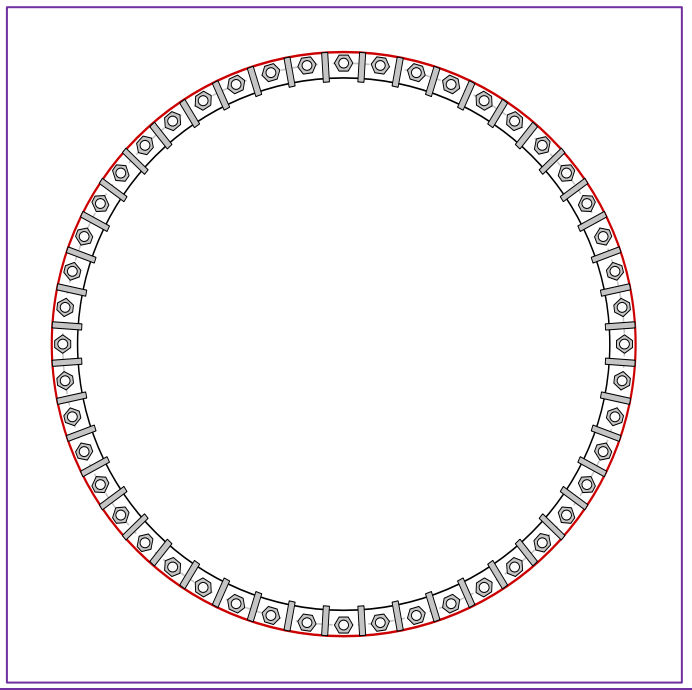
Applied Loads	
Moment (kip-ft)	1704.49
Axial Force (kips)	47.48
Shear Force (kips)	30.31

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(48) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(48) 5"H x 3"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	28.91	
Allowable (kips)	54.53	
Stress Rating:	**50.5%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Top Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Bottom Stiffener Capacity

Horizontal Weld:	**Pirod OK**
Vertical Weld:	**Pirod OK**
Plate Flexure+Shear:	**Pirod OK**
Plate Tension+Shear:	**Pirod OK**
Plate Compression:	**Pirod OK**

Top Pole Capacity

Punching Shear:	**Pirod OK**

Bottom Pole Capacity

Punching Shear:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 80 ft.

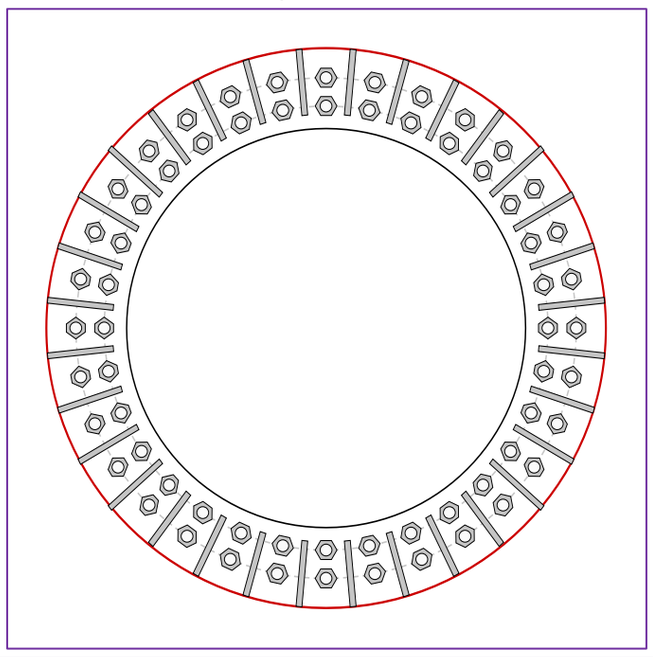
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

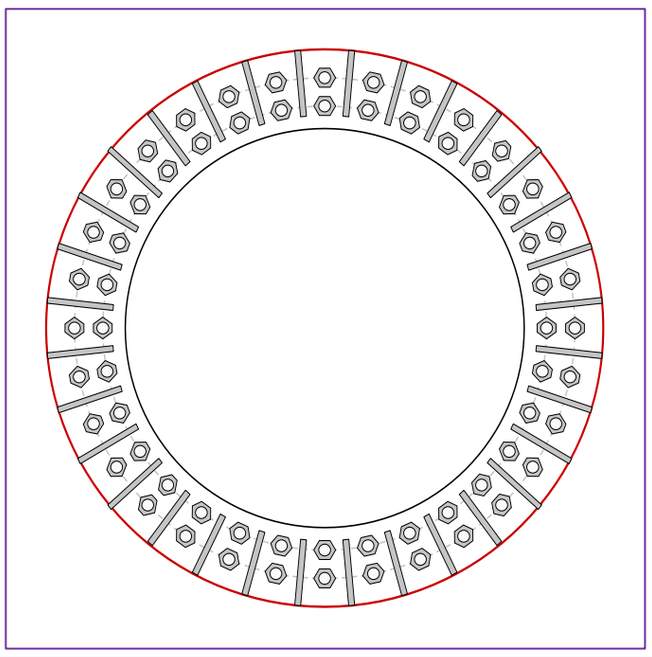
Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1768.35	Moment (kip-ft)	570.90
Axial Force (kips)	56.84	Axial Force (kips)	0.00
Shear Force (kips)	33.55	Shear Force (kips)	0.00

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(3) Bolted, 4.5''x1'', A572-65, Lu=20.625", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	27.12	
Allowable (kips)	87.21	
Stress Rating:	**29.6%**	Pass

Top Plate Capacity

Max Stress (ksi):	14.83	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**43.6%**	Pass
Tension Side Stress Rating:	**N/A**	

Bottom Plate Capacity

Max Stress (ksi):	14.83	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**43.6%**	Pass
Tension Side Stress Rating:	**N/A**	

Top Stiffener Capacity

Horizontal Weld:	**31.1%**	Pass
Vertical Weld:	**27.1%**	Pass
Plate Flexure+Shear:	**21.9%**	Pass
Plate Tension+Shear:	**26.1%**	Pass
Plate Compression:	**53.7%**	Pass

Bottom Stiffener Capacity

Horizontal Weld:	**27.4%**	Pass
Vertical Weld:	**23.9%**	Pass
Plate Flexure+Shear:	**18.7%**	Pass
Plate Tension+Shear:	**22.6%**	Pass
Plate Compression:	**47.4%**	Pass

Top Pole Capacity

Punching Shear:	**17.5%**	Pass

Bottom Pole Capacity

Punching Shear:	**11.6%**	Pass

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	149.74	
Max Tension (kip):	149.74	
Comp. Capacity (kip):	162.05	
Tens. Capacity (kip):	195.00	(Rupture)
Comp. Stress Rating:	**88.0%**	Pass
Tens. Stress Rating:	**73.1%**	Pass

CCIplate

Elevation (ft)	80	*(Flange)*

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

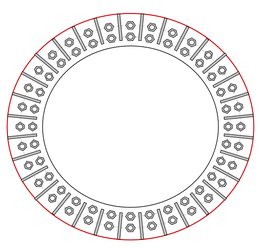
Custom Stiffener Connection - Top Plate

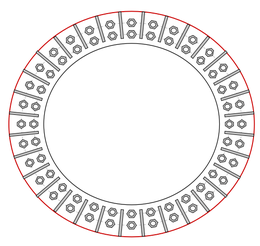
Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Plot Graphic





Monopole Flange Plate Connection

Elevation = 60 ft.

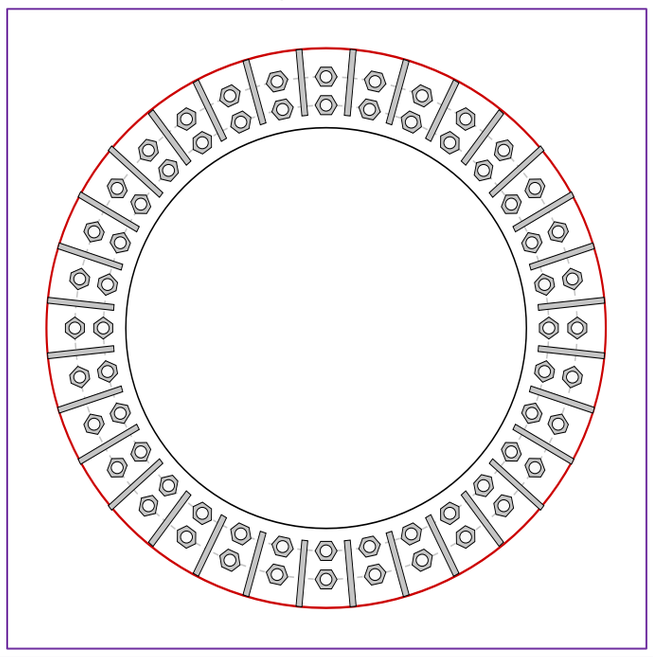
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

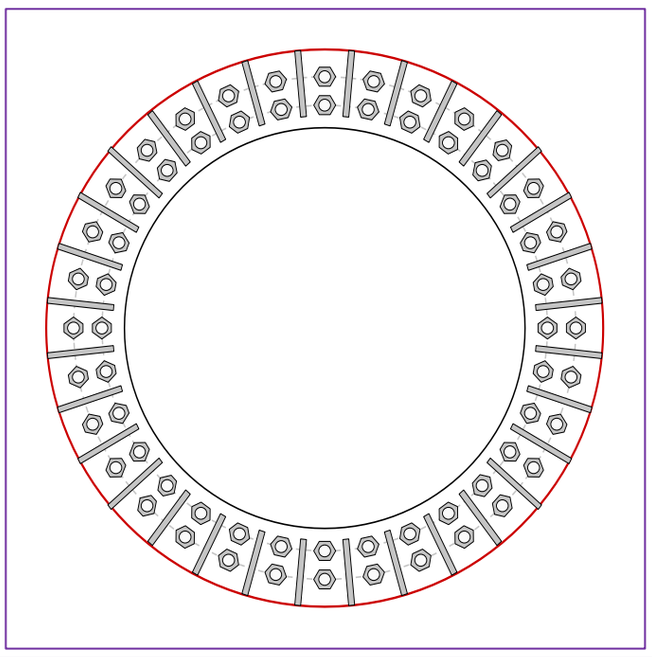
Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1915.08	Moment (kip-ft)	1125.49
Axial Force (kips)	68.05	Axial Force (kips)	0.00
Shear Force (kips)	36.39	Shear Force (kips)	0.00

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(3) Bolted, 6.5''x1.25'', A572-65, Lu=19.25", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	29.27	
Allowable (kips)	87.21	
Stress Rating:	**32.0%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	16.12	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**47.4%**	**Pass**
Tension Side Stress Rating:	**N/A**	

Bottom Plate Capacity

Max Stress (ksi):	16.12	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**47.4%**	**Pass**
Tension Side Stress Rating:	**N/A**	

Top Stiffener Capacity

Horizontal Weld:	**29.8%**	**Pass**
Vertical Weld:	**26.0%**	**Pass**
Plate Flexure+Shear:	**20.8%**	**Pass**
Plate Tension+Shear:	**24.9%**	**Pass**
Plate Compression:	**51.5%**	**Pass**

Bottom Stiffener Capacity

Horizontal Weld:	**26.6%**	**Pass**
Vertical Weld:	**23.3%**	**Pass**
Plate Flexure+Shear:	**18.1%**	**Pass**
Plate Tension+Shear:	**21.9%**	**Pass**
Plate Compression:	**46.0%**	**Pass**

Top Pole Capacity

Punching Shear:	**12.6%**	**Pass**

Bottom Pole Capacity

Punching Shear:	**9.0%**	**Pass**

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	294.00	
Max Tension (kip):	294.00	
Comp. Capacity (kip):	362.66	
Tens. Capacity (kip):	393.75	(Rupture)
Comp. Stress Rating:	**77.2%**	**Pass**
Tens. Stress Rating:	**71.1%**	**Pass**

CCIplate

Elevation (ft)	60	*(Flange)*

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

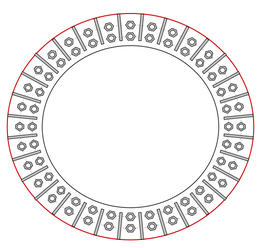
Custom Stiffener Connection - Top Plate

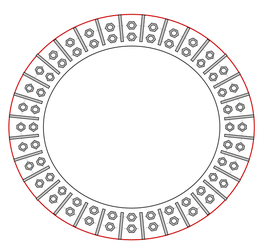
Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Plot Graphic





Monopole Flange Plate Connection

Elevation = 40 ft.

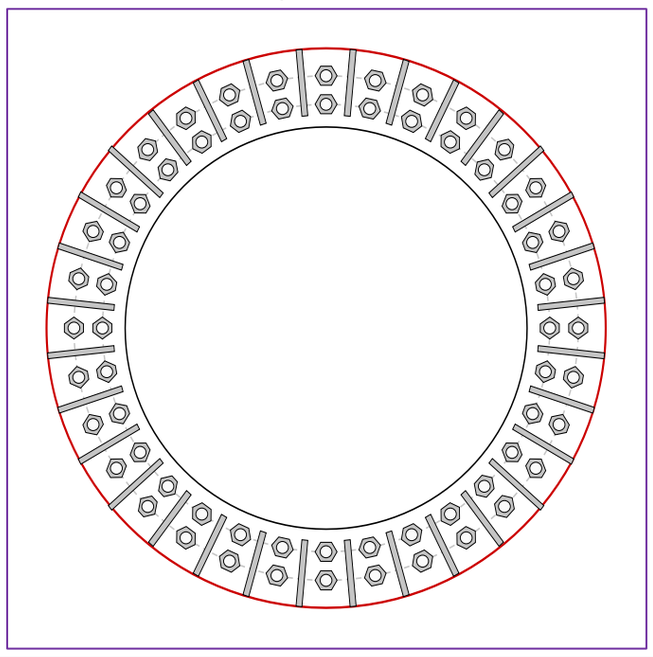
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

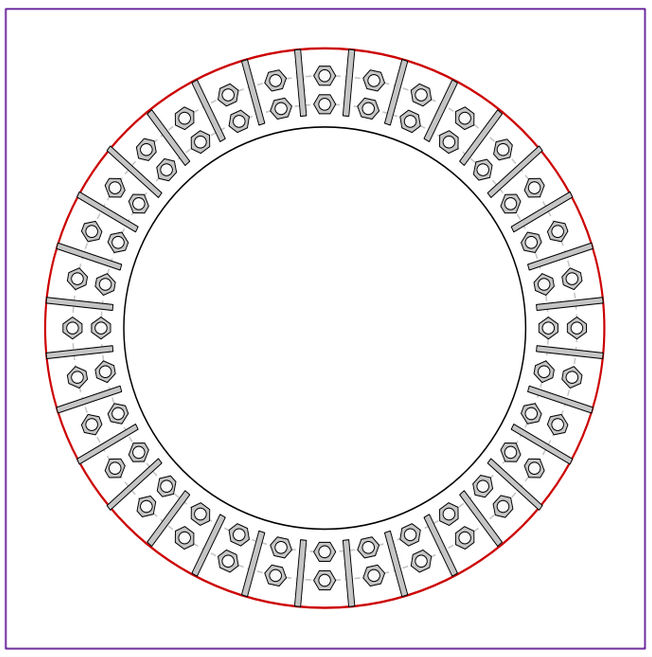
Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	2035.82	Moment (kip-ft)	1752.66
Axial Force (kips)	81.54	Axial Force (kips)	0.00
Shear Force (kips)	38.68	Shear Force (kips)	0.00

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 6''x1'', A572-65, Lu=16.375", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	30.97	
Allowable (kips)	87.20	
Stress Rating:	**33.8%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	17.21	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**50.6%**	**Pass**
Tension Side Stress Rating:	**N/A**	

Bottom Plate Capacity

Max Stress (ksi):	17.21	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**50.6%**	**Pass**
Tension Side Stress Rating:	**N/A**	

Top Stiffener Capacity

Horizontal Weld:	**28.5%**	**Pass**
Vertical Weld:	**24.9%**	**Pass**
Plate Flexure+Shear:	**19.6%**	**Pass**
Plate Tension+Shear:	**23.6%**	**Pass**
Plate Compression:	**49.2%**	**Pass**

Bottom Stiffener Capacity

Horizontal Weld:	**28.5%**	**Pass**
Vertical Weld:	**24.9%**	**Pass**
Plate Flexure+Shear:	**19.6%**	**Pass**
Plate Tension+Shear:	**23.6%**	**Pass**
Plate Compression:	**49.2%**	**Pass**

Top Pole Capacity

Punching Shear:	**9.6%**	**Pass**

Bottom Pole Capacity

Punching Shear:	**9.6%**	**Pass**

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	229.86	
Max Tension (kip):	229.86	
Comp. Capacity (kip):	258.51	
Tens. Capacity (kip):	285.00	(Rupture)
Comp. Stress Rating:	**84.7%**	**Pass**
Tens. Stress Rating:	**76.8%**	**Pass**

CCIplate

Elevation (ft)	40	*(Flange)*

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

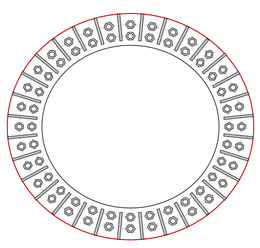
Custom Stiffener Connection - Top Plate

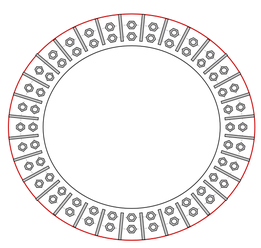
Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Plot Graphic





Monopole Flange Plate Connection

Elevation = 20 ft.

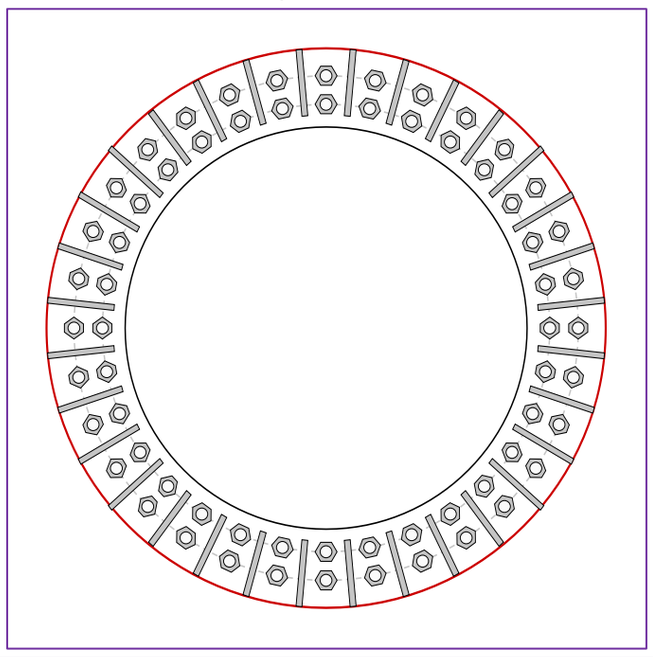
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

TIA-222 Revision	H

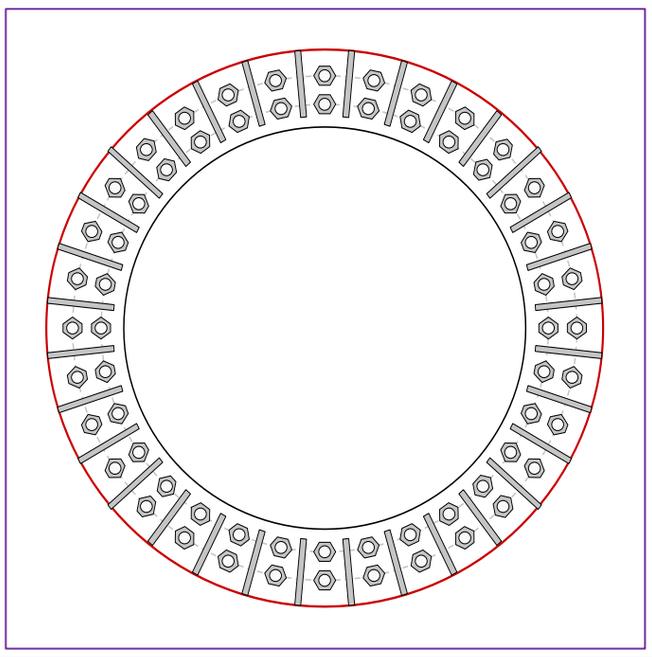
Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	2138.56	Moment (kip-ft)	2513.65
Axial Force (kips)	99.29	Axial Force (kips)	0.00
Shear Force (kips)	41.64	Shear Force (kips)	0.00

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.75" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 6.5''x1.25'', A572-65, Lu=19.25", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	32.32	
Allowable (kips)	87.20	
Stress Rating:	**35.3%**	Pass

Top Plate Capacity

Max Stress (ksi):	18.20	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**53.5%**	Pass
Tension Side Stress Rating:	**N/A**	

Bottom Plate Capacity

Max Stress (ksi):	18.20	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	**53.5%**	Pass
Tension Side Stress Rating:	**N/A**	

Top Stiffener Capacity

Horizontal Weld:	**30.1%**	Pass
Vertical Weld:	**26.3%**	Pass
Plate Flexure+Shear:	**21.1%**	Pass
Plate Tension+Shear:	**25.2%**	Pass
Plate Compression:	**52.1%**	Pass

Bottom Stiffener Capacity

Horizontal Weld:	**27.3%**	Pass
Vertical Weld:	**23.8%**	Pass
Plate Flexure+Shear:	**18.6%**	Pass
Plate Tension+Shear:	**22.5%**	Pass
Plate Compression:	**47.1%**	Pass

Top Pole Capacity

Punching Shear:	**10.2%**	Pass

Bottom Pole Capacity

Punching Shear:	**7.7%**	Pass

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	328.31	
Max Tension (kip):	328.31	
Comp. Capacity (kip):	362.66	
Tens. Capacity (kip):	393.75	(Rupture)
Comp. Stress Rating:	**86.2%**	Pass
Tens. Stress Rating:	**79.4%**	Pass

CCIplate

Elevation (ft)	20	*(Flange)*

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

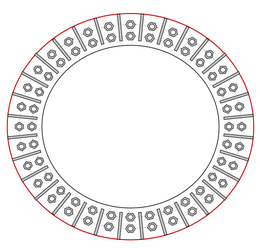
Custom Stiffener Connection - Top Plate

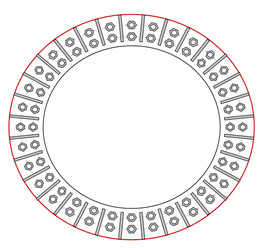
Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Plot Graphic





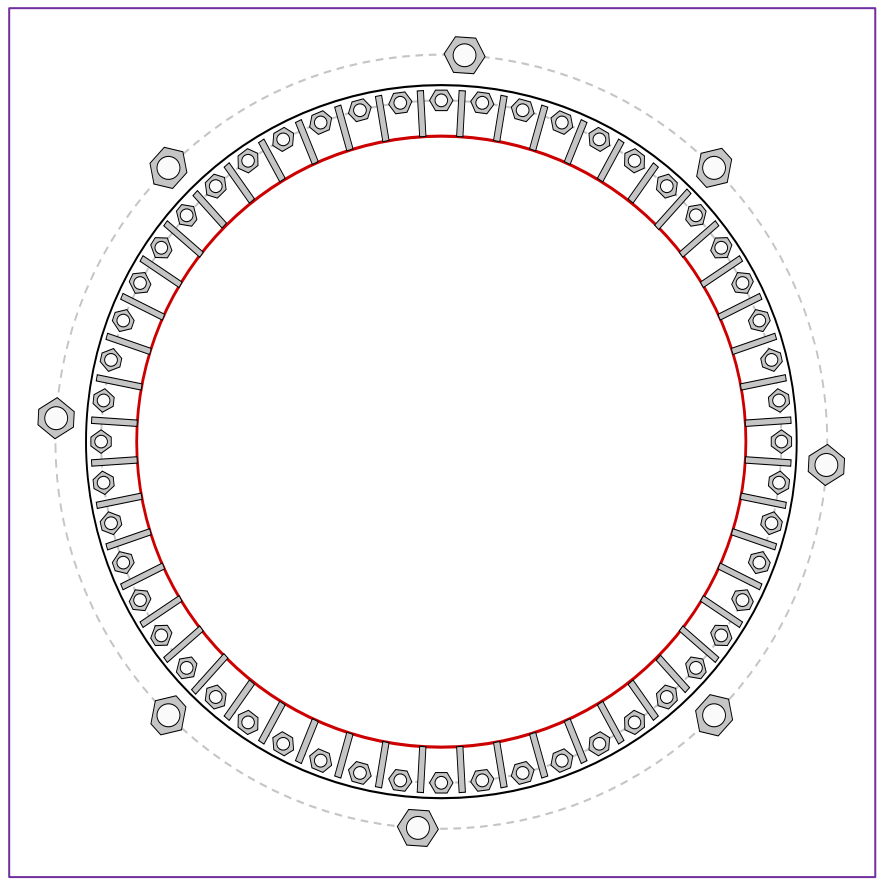
Monopole Base Plate Connection

Site Info	
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	585541 Rev#5

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

Applied Loads	
Moment (kip-ft)	5436.22
Axial Force (kips)	114.62
Shear Force (kips)	42.81

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (52) 1-1/4" ø bolts (A687 N; Fy=105 ksi, Fu=125 ksi) on 67" BC
GROUP 2: (8) 2-1/4" ø bolts (F1554-105 N; Fy=105 ksi, Fu=125 ksi) on 76" BC

Base Plate Data

70" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

(52) 8"H x 4.5"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Pole Data

60" x 0.75" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

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

GROUP 1:

Pu_t = 42.8	ϕPn_t = 90.84	**Stress Rating**
Vu = 0.82	ϕVn = 57.52	**44.9%**
Mu = n/a	ϕMn = n/a	**Pass**

GROUP 2:

Pu_t = 171.21	ϕPn_t = 304.69	**Stress Rating**
Vu = 0	ϕVn = 186.38	**53.5%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	4.2	(Shear)
Allowable Stress (ksi):	21.6	
Stress Rating:	**18.5%**	**Pass**

Stiffener Summary

Horizontal Weld:	**40.2%**	**Pass**
Vertical Weld:	**25.9%**	**Pass**
Plate Flexure+Shear:	**20.2%**	**Pass**
Plate Tension+Shear:	**34.7%**	**Pass**
Plate Compression:	**52.4%**	**Pass**

Pole Summary

Punching Shear:	**7.5%**	**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	Yes	No	
2	No	No	No	Yes	No	

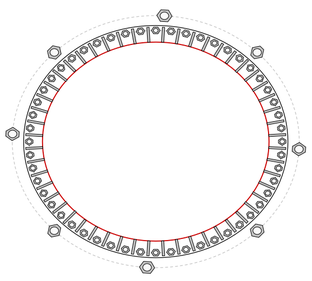
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A687	67	0.5	0	N-Included		No
2	1	6.92307692	1.25	A687	67	0.5	0	N-Included		No
3	1	13.8461538	1.25	A687	67	0.5	0	N-Included		No
4	1	20.7692308	1.25	A687	67	0.5	0	N-Included		No
5	1	27.6923077	1.25	A687	67	0.5	0	N-Included		No
6	1	34.6153846	1.25	A687	67	0.5	0	N-Included		No
7	1	41.5384615	1.25	A687	67	0.5	0	N-Included		No
8	1	48.4615385	1.25	A687	67	0.5	0	N-Included		No
9	1	55.3846154	1.25	A687	67	0.5	0	N-Included		No
10	1	62.3076923	1.25	A687	67	0.5	0	N-Included		No
11	1	69.2307692	1.25	A687	67	0.5	0	N-Included		No
12	1	76.1538462	1.25	A687	67	0.5	0	N-Included		No
13	1	83.0769231	1.25	A687	67	0.5	0	N-Included		No
14	1	90	1.25	A687	67	0.5	0	N-Included		No
15	1	96.9230769	1.25	A687	67	0.5	0	N-Included		No
16	1	103.846154	1.25	A687	67	0.5	0	N-Included		No
17	1	110.769231	1.25	A687	67	0.5	0	N-Included		No
18	1	117.692308	1.25	A687	67	0.5	0	N-Included		No
19	1	124.615385	1.25	A687	67	0.5	0	N-Included		No
20	1	131.538462	1.25	A687	67	0.5	0	N-Included		No
21	1	138.461538	1.25	A687	67	0.5	0	N-Included		No
22	1	145.384615	1.25	A687	67	0.5	0	N-Included		No
23	1	152.307692	1.25	A687	67	0.5	0	N-Included		No
24	1	159.230769	1.25	A687	67	0.5	0	N-Included		No
25	1	166.153846	1.25	A687	67	0.5	0	N-Included		No
26	1	173.076923	1.25	A687	67	0.5	0	N-Included		No
27	1	180	1.25	A687	67	0.5	0	N-Included		No
28	1	186.923077	1.25	A687	67	0.5	0	N-Included		No
29	1	193.846154	1.25	A687	67	0.5	0	N-Included		No
30	1	200.769231	1.25	A687	67	0.5	0	N-Included		No
31	1	207.692308	1.25	A687	67	0.5	0	N-Included		No
32	1	214.615385	1.25	A687	67	0.5	0	N-Included		No
33	1	221.538462	1.25	A687	67	0.5	0	N-Included		No
34	1	228.461538	1.25	A687	67	0.5	0	N-Included		No
35	1	235.384615	1.25	A687	67	0.5	0	N-Included		No
36	1	242.307692	1.25	A687	67	0.5	0	N-Included		No
37	1	249.230769	1.25	A687	67	0.5	0	N-Included		No
38	1	256.153846	1.25	A687	67	0.5	0	N-Included		No
39	1	263.076923	1.25	A687	67	0.5	0	N-Included		No
40	1	270	1.25	A687	67	0.5	0	N-Included		No
41	1	276.923077	1.25	A687	67	0.5	0	N-Included		No
42	1	283.846154	1.25	A687	67	0.5	0	N-Included		No
43	1	290.769231	1.25	A687	67	0.5	0	N-Included		No
44	1	297.692308	1.25	A687	67	0.5	0	N-Included		No
45	1	304.615385	1.25	A687	67	0.5	0	N-Included		No
46	1	311.538462	1.25	A687	67	0.5	0	N-Included		No
47	1	318.461538	1.25	A687	67	0.5	0	N-Included		No
48	1	325.384615	1.25	A687	67	0.5	0	N-Included		No
49	1	332.307692	1.25	A687	67	0.5	0	N-Included		No
50	1	339.230769	1.25	A687	67	0.5	0	N-Included		No
51	1	346.153846	1.25	A687	67	0.5	0	N-Included		No
52	1	353.076923	1.25	A687	67	0.5	0	N-Included		No
53	2	356.53	2.25	F1554-105	76	0.5	0	N-Included		No
54	2	45	2.25	F1554-105	76	0.5	0	N-Included		No
55	2	86.53	2.25	F1554-105	76	0.5	0	N-Included		No
56	2	135	2.25	F1554-105	76	0.5	0	N-Included		No
57	2	176.53	2.25	F1554-105	76	0.5	0	N-Included		No
58	2	225	2.25	F1554-105	76	0.5	0	N-Included		No
59	2	266.53	2.25	F1554-105	76	0.5	0	N-Included		No
60	2	315	2.25	F1554-105	76	0.5	0	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	3.46153846	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
2	1	10.3846154	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
3	1	17.3076923	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
4	1	24.2307692	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
5	1	31.1538462	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
6	1	38.0769231	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
7	1	45	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
8	1	51.9230769	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
9	1	58.8461538	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
10	1	65.7692308	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
11	1	72.6923077	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
12	1	79.6153846	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
13	1	86.5384615	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
14	1	93.4615385	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
15	1	100.384615	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
16	1	107.307692	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
17	1	114.230769	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
18	1	121.153846	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
19	1	128.076923	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
20	1	135	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
21	1	141.923077	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
22	1	148.846154	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
23	1	155.769231	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
24	1	162.692308	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
25	1	169.615385	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
26	1	176.538462	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
27	1	183.461538	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
28	1	190.384615	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
29	1	197.307692	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
30	1	204.230769	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
31	1	211.153846	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
32	1	218.076923	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
33	1	225	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
34	1	231.923077	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
35	1	238.846154	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
36	1	245.769231	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
37	1	252.692308	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
38	1	259.615385	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
39	1	266.538462	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
40	1	273.461538	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
41	1	280.384615	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
42	1	287.307692	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
43	1	294.230769	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
44	1	301.153846	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
45	1	308.076923	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
46	1	315	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
47	1	321.923077	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
48	1	328.846154	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
49	1	335.769231	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
50	1	342.692308	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
51	1	349.615385	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70
52	1	356.538462	4.5	8	0.625	0.5	0.5	36	Fillet			0.375	0.375	70

Plot Graphic



PROJECT	**136353.012.01 - Weston/ Rt-57/ Norfield R, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**10/13/21**
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	171.21	kips
AR Capacity	375.7	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.75	in
Pole Grade	Custom	
Fy	42	ksi
Fu	63	ksi
Base Plate Gr.	A36	
Fy	36	ksi
Fu	58	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	2.25	in
Grade	F1554-105	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	44.2%	-
Tube Compression	66.3%	-
Gusset Shear	18.6%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	36.3%	-
Welds: Gusset to Tube	18.6%	-
Welds: Geometry	N/A	
Tower Punching	23.0%	-
Tube Punching	8.9%	-
Utilization	**66.3%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	3 XXS Pipe		FEXX	80	ksi
Width at Tube	6.25	in	Total Length	24	in	Weld Type	CJP - Double Bevel	
Height at Pole	30	in	Length above Gusset	0	in	Fillet Size	5/16	in
Height at Tube	24	in	Length below Gusset	0	in	Bevel Depth	5/16	in
Grade	A572-50		Grade	Custom				
Fy	50	ksi	Fy	50	ksi			
Fu	65	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	5/16	in
			Bevel Depth	5/16	in
			Gap	0	in
			Notch (horiz)	0.75	in
			Notch (vert)	0.75	in
			Pipe/Tube Welded to Base/Footpad?	Yes	
			Fillet Size	5/16	in

PROJECT	**136353.012.01 - Weston/ Rt-57/ Norfield R, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**10/13/21**
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	171.21	kips
AR Capacity	375.7	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.75	in
Pole Grade	Custom	
Fy	42	ksi
Fu	63	ksi
Base Plate Gr.	A36	
Fy	36	ksi
Fu	58	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	2.25	in
Grade	F1554-105	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	44.2%	-
Tube Compression	66.3%	-
Gusset Shear	18.6%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	31.5%	-
Welds: Gusset to Tube	18.6%	-
Welds: Geometry	N/A	
Tower Punching	3.7%	-
Tube Punching	8.9%	-
Utilization	**66.3%**	

Bracket Properties

Gusset			Pipe/Tube			Weld - Gusset to Pipe/Tube		
Thickness	1.25	in	Size	3 XXS Pipe		FEXX	80	ksi
Width at Tube	6.25	in	Total Length	24	in	Weld Type	CJP - Double Bevel	
Height at Pole	75	in	Length above Gusset	0	in	Fillet Size	5/16	in
Height at Tube	24	in	Length below Gusset	0	in	Bevel Depth	5/16	in
Grade	A572-50		Grade	Custom				
Fy	50	ksi	Fy	50	ksi			
Fu	65	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	5/16	in
			Bevel Depth	5/16	in
			Gap	0	in
			Notch (horiz)	0.75	in
			Notch (vert)	0.75	in
			Pipe/Tube Welded to Base/Footpad?	Yes	
			Fillet Size	5/16	in

PROJECT	**136353.012.01 - Weston/ Rt-57/ Nor**
SUBJECT	**Foundation Reaction Comparison**
DATE	**10/13/21**

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

v1.3.2

TIA Rev. H - Monopole

Base Reaction Type	Unfactored Original Design Reactions		Factored Reactions		Rating % with TIA-222-H Seciton 15.5 applied	
MP Overturning Moment	5224.2	kip-ft	5436	kip-ft	**73.4%**	Pass
MP Base Shear	39.1	kips	43	kips	**77.2%**	Pass

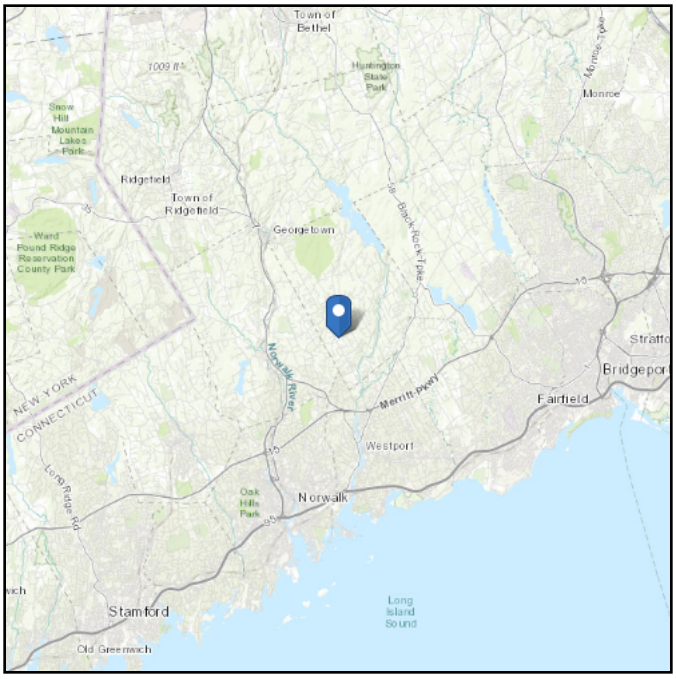
***Per CCI Site Doc:7340070 (P-10/36)

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	321.79 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.202333
Soil Class:	D - Default (see Section 11.4.3)	**Longitude:**	-73.379611





Wind

Results:

Wind Speed:	117 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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:	Wed Oct 13 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.

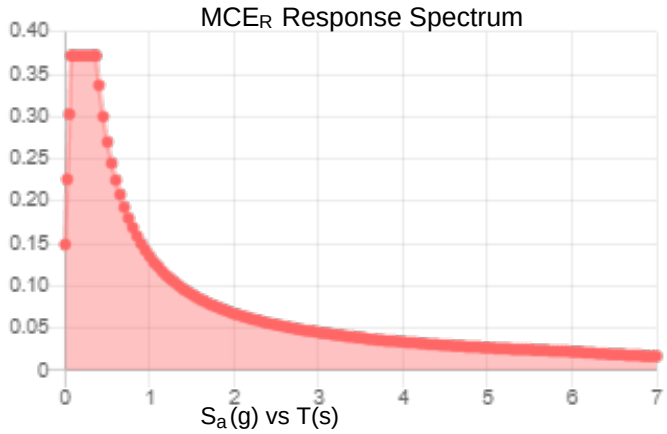
Seismic

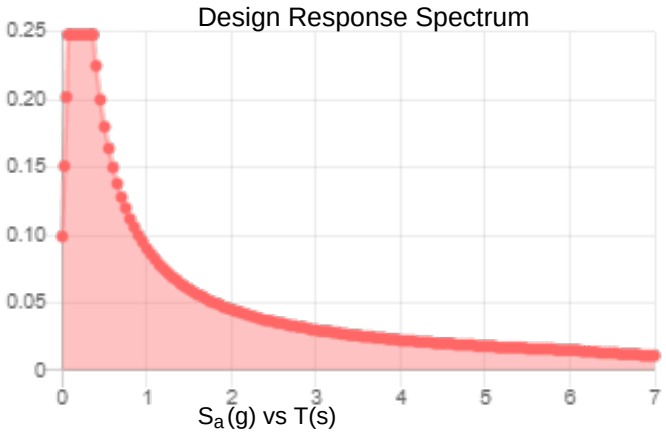
Site Soil Class: D - Default (see Section 11.4.3)

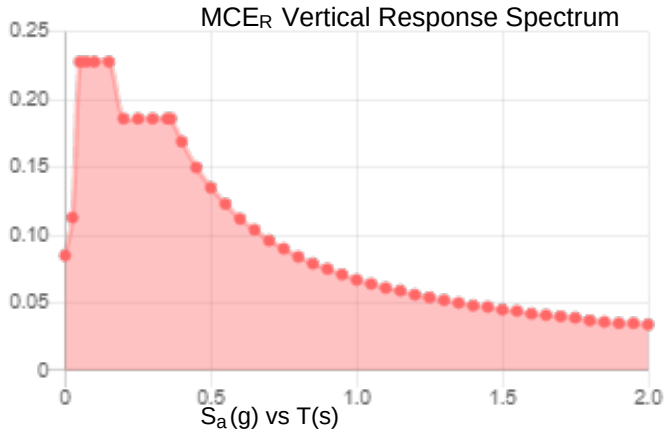
Results:

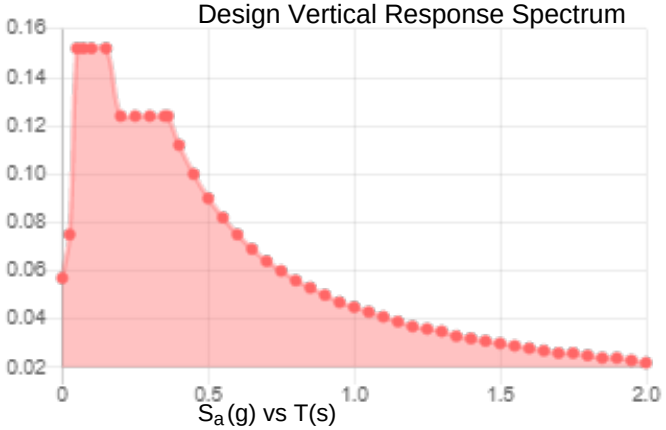
S_S :	0.233	S_{D1} :	0.09
S_1 :	0.056	T_L :	6
F_a :	1.6	PGA :	0.136
F_v :	2.4	PGA_M :	0.208
S_{MS} :	0.372	F_{PGA} :	1.528
S_{M1} :	0.135	I_e :	1
S_{DS} :	0.248	C_v :	0.765

Seismic Design Category B









Data Accessed: Wed Oct 13 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:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Oct 13 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.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

Exhibit E

Mount Analysis

Maser Consulting Connecticut
2000 Midlantic Drive Suite 100
Mt. Laurel, NJ 08054
856.797.0412
Peter.Albano@maserconsulting.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10107332
Maser Consulting Connecticut Project #: 21781023A

October 15, 2021

Site Information	*Site ID:*	*468910-VZW / WESTON CT*
	Site Name:	*WESTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*56 Norfield Rd* *Weston, Connecticut 06883* *Fairfield County*
	Latitude:	*41.202219°*
	Longitude:	*-73.378889°*
Structure Information	*Tower Type:*	*190-Ft Monopole*
	Mount Type:	*13.75-Ft Platform*

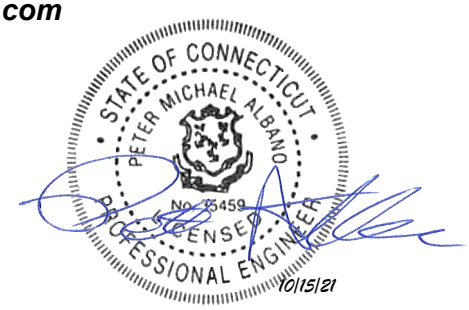
FUZE ID # 16244169

Analysis Results

Platform: **80.5% 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: Abigail Enriquez



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: 325120 dated September 16, 2021*
Desktop Mount Mapping Form	*Colliers Engineering & Design, Project #: 21781023, dated June 4, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21781023A, dated October 4, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21781023A, dated October 15, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.988
Seismic Parameters:	S_S:	0.233 g
	S_1:	0.056 g
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
152.00	153.00	12	JMA Wireless	MX06FRO640-02	Added
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		3	Samsung	MT6407-77A	
		3	Commscope	TD-850B-LTE78-43	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	DB-C1-12C-24AB-0Z*	Retained
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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
Mod V bracing kit	*21.8%*	*Pass*
Mod Support Rail Corner	*28.3%*	*Pass*
Mod Support Rail	*32.1%*	*Pass*
Grating Angle Brace	*6.5%*	*Pass*
Standoff Plate	*38.6%*	*Pass*
Antenna Pipe	*80.5%*	*Pass*
Standoff Welded	*7.7%*	*Pass*
Cross Bracing Angle	*73.2%*	*Pass*
Face Horizontal	*15.9%*	*Pass*
HSS Standoff	*26.5%*	*Pass*
Connection Check	*61.5 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**80.5%**

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




41.20235718N 73.37975435W
52 Norfield Road
Weston
Fairfield County
Connecticut
06/10/20 04:48p. m.

Colliers Engineering & Design

Desktop Mount Mapping Form

Site Name:	WESTON CT	**Tower Type:**	Monopole
Site ID:		**Tower Owner:**	
PSLC:	468910	**Tower Height (Ft.):**	190
Customer:	Verizon Wireless	**Mount Elevation (Ft.):**	153
Colliers Project No.	21781023	**Date:**	6/4/2021

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Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	Yes	Weston CT_MountSA_20190715	194467.14	7/15/2019	Provided and is a primary source of information for MA.
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	Weston CT - SA Passing 09.28.16	37516-0710.003.7805	9/28/2016	Provided and is a secondary source of information for MA.
Construction Drawings	Yes	Weston_CT_FinalCDs_20191029	ERCC0004	10/29/2019	Provided and is a primary source of information for MA.
Closeout Package	Yes	Weston CT Closeout			
Closeout Photos	Yes	4 Pictures			
Handover Package	No				
New Build 445 Documentation	No				
Other	No				
Previous PMI	No				

The desktop mount mapping is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.



Photo taken from: Closeout Photos

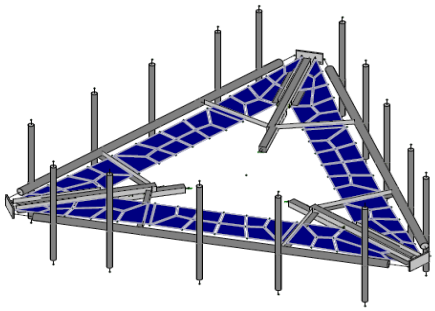
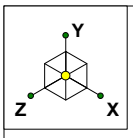
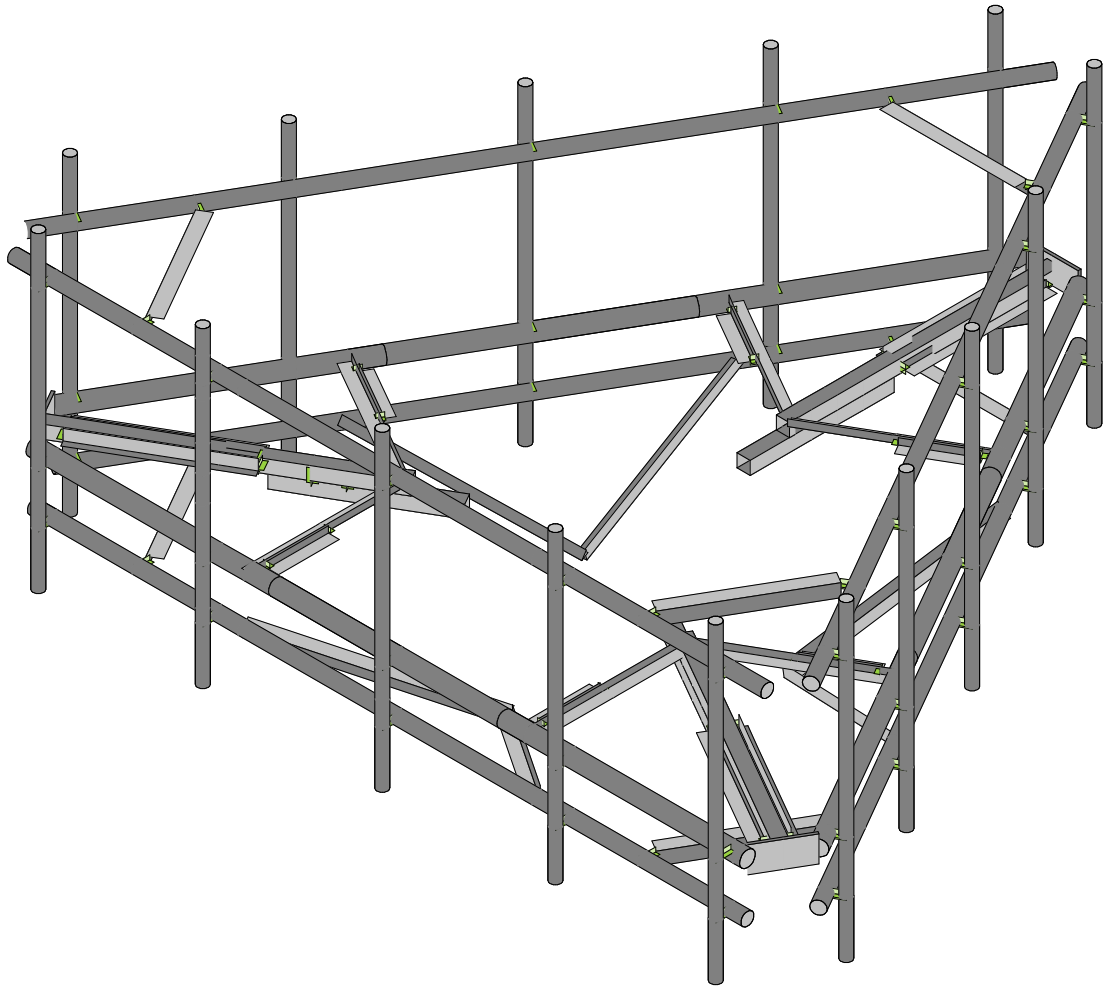
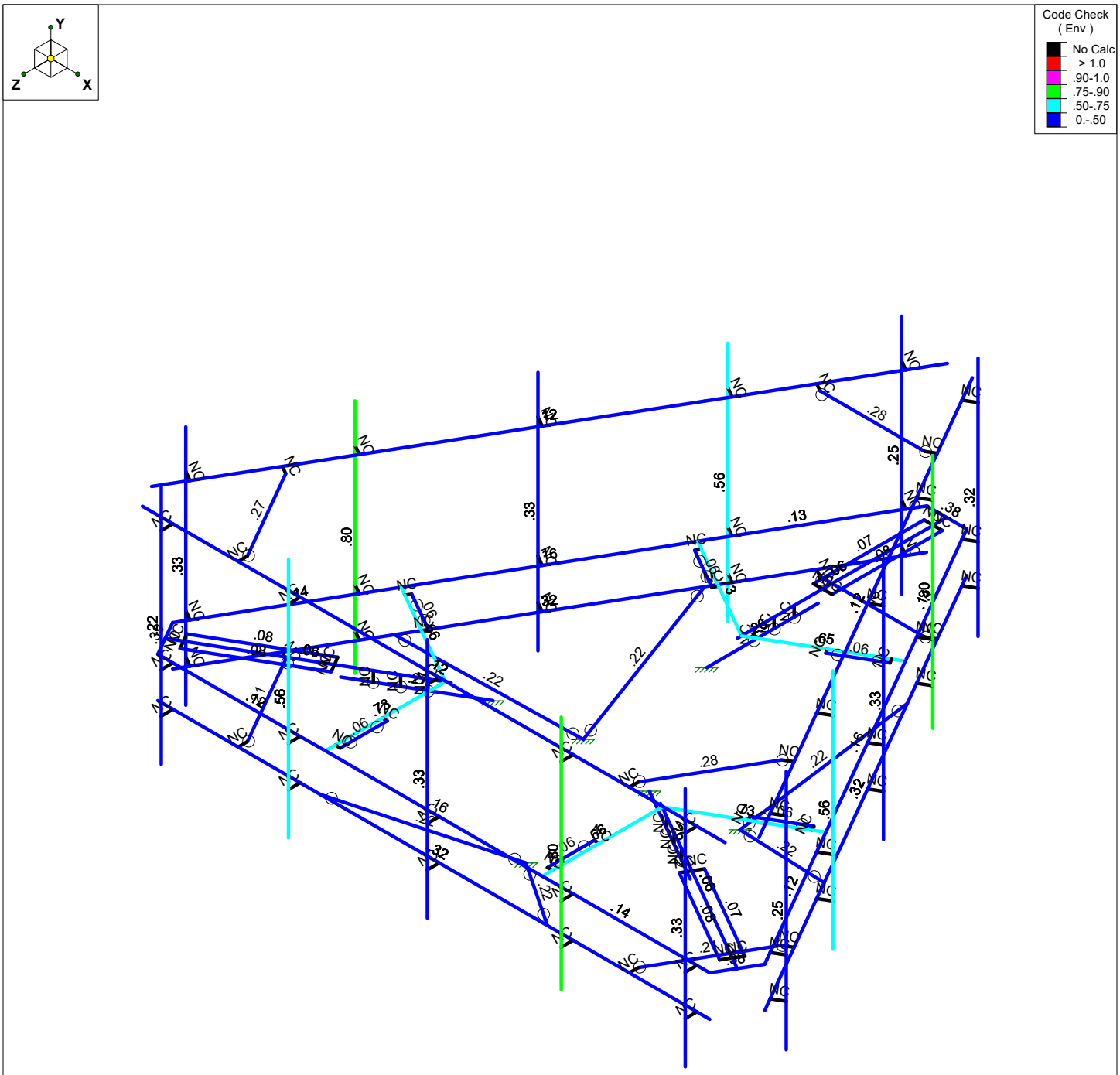


Photo taken from: Previous MA



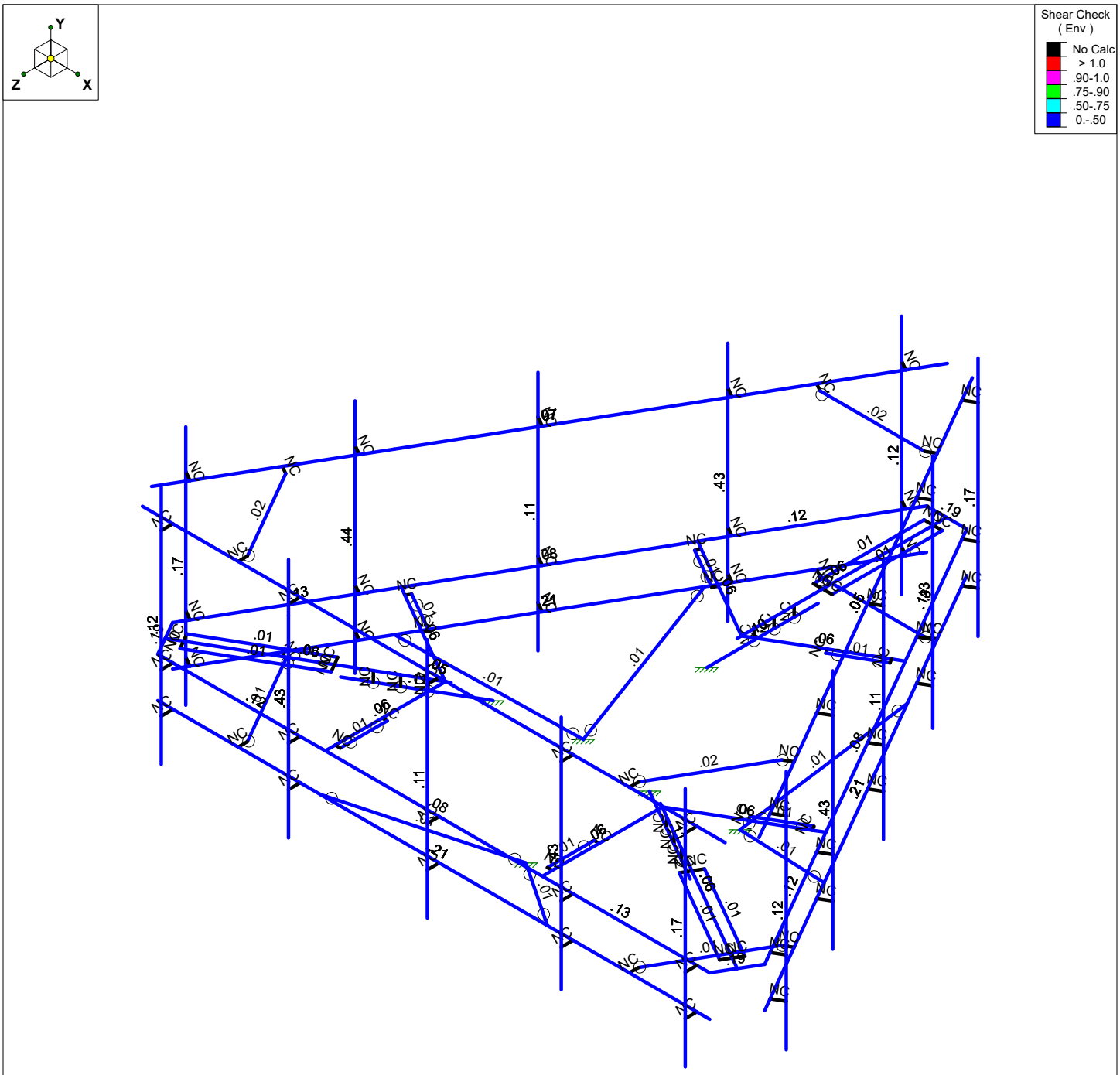


		SK - 1
		Oct 15, 2021 at 5:52 PM
		468910-VZW_MT_LO_H_final.r3d



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

		SK - 2
		Oct 15, 2021 at 5:52 PM
		468910-VZW_MT_LO_H_final.r3d



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

		SK - 3
		Oct 15, 2021 at 5:52 PM
		468910-VZW_MT_LO_H_final.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					144			
2	Antenna Di	None					144			
3	Antenna Wo (0 Deg)	None					144			
4	Antenna Wo (30 Deg)	None					144			
5	Antenna Wo (60 Deg)	None					144			
6	Antenna Wo (90 Deg)	None					144			
7	Antenna Wo (120 Deg)	None					144			
8	Antenna Wo (150 Deg)	None					144			
9	Antenna Wo (180 Deg)	None					144			
10	Antenna Wo (210 Deg)	None					144			
11	Antenna Wo (240 Deg)	None					144			
12	Antenna Wo (270 Deg)	None					144			
13	Antenna Wo (300 Deg)	None					144			
14	Antenna Wo (330 Deg)	None					144			
15	Antenna Wi (0 Deg)	None					144			
16	Antenna Wi (30 Deg)	None					144			
17	Antenna Wi (60 Deg)	None					144			
18	Antenna Wi (90 Deg)	None					144			
19	Antenna Wi (120 Deg)	None					144			
20	Antenna Wi (150 Deg)	None					144			
21	Antenna Wi (180 Deg)	None					144			
22	Antenna Wi (210 Deg)	None					144			
23	Antenna Wi (240 Deg)	None					144			
24	Antenna Wi (270 Deg)	None					144			
25	Antenna Wi (300 Deg)	None					144			
26	Antenna Wi (330 Deg)	None					144			
27	Antenna Wm (0 Deg)	None					144			
28	Antenna Wm (30 Deg)	None					144			
29	Antenna Wm (60 Deg)	None					144			
30	Antenna Wm (90 Deg)	None					144			
31	Antenna Wm (120 Deg)	None					144			
32	Antenna Wm (150 Deg)	None					144			
33	Antenna Wm (180 Deg)	None					144			
34	Antenna Wm (210 Deg)	None					144			
35	Antenna Wm (240 Deg)	None					144			
36	Antenna Wm (270 Deg)	None					144			
37	Antenna Wm (300 Deg)	None					144			
38	Antenna Wm (330 Deg)	None					144			
39	Structure D	None		-1					15	
40	Structure Di	None						69	15	
41	Structure Wo (0 Deg)	None						138		
42	Structure Wo (30 Deg)	None						138		
43	Structure Wo (60 Deg)	None						138		
44	Structure Wo (90 Deg)	None						138		
45	Structure Wo (120 D...	None						138		
46	Structure Wo (150 D...	None						138		
47	Structure Wo (180 D...	None						138		
48	Structure Wo (210 D...	None						138		
49	Structure Wo (240 D...	None						138		
50	Structure Wo (270 D...	None						138		
51	Structure Wo (300 D...	None						138		
52	Structure Wo (330 D...	None						138		
53	Structure Wi (0 Deg)	None						138		
54	Structure Wi (30 Deg)	None						138		
55	Structure Wi (60 Deg)	None						138		
56	Structure Wi (90 Deg)	None						138		

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						138		
58	Structure Wi (150 De...	None						138		
59	Structure Wi (180 De...	None						138		
60	Structure Wi (210 De...	None						138		
61	Structure Wi (240 De...	None						138		
62	Structure Wi (270 De...	None						138		
63	Structure Wi (300 De...	None						138		
64	Structure Wi (330 De...	None						138		
65	Structure Wm (0 Deg)	None						138		
66	Structure Wm (30 De...	None						138		
67	Structure Wm (60 De...	None						138		
68	Structure Wm (90 De...	None						138		
69	Structure Wm (120 D...	None						138		
70	Structure Wm (150 D...	None						138		
71	Structure Wm (180 D...	None						138		
72	Structure Wm (210 D...	None						138		
73	Structure Wm (240 D...	None						138		
74	Structure Wm (270 D...	None						138		
75	Structure Wm (300 D...	None						138		
76	Structure Wm (330 D...	None						138		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					144			
82	Antenna Eh (0 Deg)	None					96			
83	Antenna Eh (90 Deg)	None					96			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ	-.03							
86	Structure Eh (90 Deg)	ELX			.03					
87	BLC 39 Transient Are...	None						148		
88	BLC 40 Transient Are...	None						148		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)		Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 De...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 D...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	-0.	0	-2.25	0	
3	N3	-0.	0	-5.020833	0	
4	N4	-0.	.25	-3.010833	0	
5	N5	-0.	.25	-8.21875	0	
6	N6	-0.	.25	-3.4275	0	
7	N7	-0.	.25	-3.9275	0	
8	N8	-0.	.25	-4.4275	0	
9	N9	-0.	0	-3.4275	0	
10	N10	-0.	0	-3.9275	0	
11	N11	-0.	0	-4.4275	0	
12	N12	-0.	.25	-3.115	0	
13	N16	-.5	.25	-8.21875	0	
14	N17	.5	.25	-8.21875	0	
15	N19	-4.348169	0	2.510417	0	
16	N20	-2.607458	.25	1.505417	0	
17	N21	-7.117646	.25	4.109375	0	
18	N22	-2.968302	.25	1.71375	0	
19	N23	-3.401315	.25	1.96375	0	
20	N24	-3.834327	.25	2.21375	0	
21	N25	-2.968302	0	1.71375	0	
22	N26	-3.401315	0	1.96375	0	
23	N27	-3.834327	0	2.21375	0	
24	N28	-2.697669	.25	1.5575	0	
25	N31	-6.867646	.25	4.542388	0	
26	N32	-7.367646	.25	3.676362	0	
27	N35	4.348169	0	2.510417	0	
28	N36	2.607458	.25	1.505417	0	
29	N37	7.117646	.25	4.109375	0	
30	N38	2.968302	.25	1.71375	0	
31	N39	3.401315	.25	1.96375	0	
32	N40	3.834327	.25	2.21375	0	
33	N41	2.968302	0	1.71375	0	
34	N42	3.401315	0	1.96375	0	
35	N43	3.834327	0	2.21375	0	
36	N44	2.697669	.25	1.5575	0	
37	N45	7.367646	.25	3.676362	0	
38	N46	6.867646	.25	4.542388	0	
39	N47A	5.034313	.25	-0.36509	0	
40	N48A	-2.833333	.25	-4.177298	0	
41	N49	-2.20098	.25	4.542388	0	
42	N50	2.833313	.25	-4.177333	0	
43	N51	-5.034333	.25	-0.365054	0	
44	N52	2.20102	.25	4.542388	0	
45	N53	2.70102	.25	4.542388	0	
46	N55	2.583313	.25	-4.610346	0	
47	N57	-5.284333	.25	0.067958	0	
48	N57A	-2.583313	.25	-4.610346	0	
49	N58	-2.70102	.25	4.542388	0	
50	N60	5.284333	.25	0.067958	0	
51	N59	2.70102	.25	3.042388	0	
52	N60A	-2.70102	.25	3.042388	0	
53	N61	-0.	.25	-5.135833	0	
54	N62	-0.	.25	-7.885833	0	
55	N63	-0.229167	.25	-5.135833	0	
56	N64	-0.229167	.25	-7.885833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N65	0.229167	.25	-5.135833	0	
58	N66	0.229167	.25	-7.885833	0	
59	N67	4.811237	.25	3.042388	0	
60	N69	-4.447762	.25	2.567917	0	
61	N70	-6.829332	.25	3.942917	0	
62	N71	-4.333179	.25	2.766381	0	
63	N72	-6.714749	.25	4.141381	0	
64	N73	-4.562345	.25	2.369453	0	
65	N74	-6.943915	.25	3.744453	0	
66	N76	4.447762	.25	2.567917	0	
67	N77	6.829332	.25	3.942917	0	
68	N78	4.562345	.25	2.369453	0	
69	N79	6.943915	.25	3.744453	0	
70	N80	4.333179	.25	2.766381	0	
71	N81	6.714749	.25	4.141381	0	
72	N80A	6.714749	.25	4.542388	0	
73	N81A	1.284275	.25	-3.860346	0	
74	N82	0.229167	.25	-5.687847	0	
75	N84	0.576449	.25	-8.086337	0	
76	N85	-3.985295	.25	0.817958	0	
77	N86	-5.040403	.25	2.645459	0	
78	N88	-7.291197	.25	3.543949	0	
79	N89	-1.284275	.25	-3.860346	0	
80	N90	-0.229167	.25	-5.687847	0	
81	N91	-0.576449	.25	-8.086337	0	
82	N92	-4.811237	.25	3.042388	0	
83	N93	-6.714749	.25	4.542388	0	
84	N95	3.985295	.25	0.817958	0	
85	N96	5.040403	.25	2.645459	0	
86	N97	7.291197	.25	3.543949	0	
87	N113A	-6.492646	.25	4.542388	0	
88	N115	-3.32598	.25	4.542388	0	
89	N117	0.132354	.25	4.542388	0	
90	N119	-6.492646	.25	4.834054	0	
91	N121	-3.32598	.25	4.834054	0	
92	N123	0.132354	.25	4.834054	0	
93	N125	3.465687	.25	4.542388	0	
94	N127	3.465687	.25	4.834054	0	
95	N129	6.54902	.25	4.542388	0	
96	N131	6.54902	.25	4.834054	0	
97	N133	-6.492646	4.208333	4.834054	0	
98	N134	-3.32598	4.208333	4.834054	0	
99	N135	0.132354	4.208333	4.834054	0	
100	N136	3.465687	4.208333	4.834054	0	
101	N137	6.54902	4.208333	4.834054	0	
102	N138	-6.492646	-1.791667	4.834054	0	
103	N139	-3.32598	-1.791667	4.834054	0	
104	N140	0.132354	-1.791667	4.834054	0	
105	N141	3.465687	-1.666667	4.834054	0	
106	N142	6.54902	-1.791667	4.834054	0	
107	N144	7.180146	.25	3.351603	0	
108	N146	5.596813	.25	0.609189	0	
109	N148	3.867646	.25	-2.385816	0	
110	N150	7.432737	.25	3.205769	0	
111	N152	5.849404	.25	0.463356	0	
112	N154	4.120237	.25	-2.531649	0	
113	N156	2.20098	.25	-5.272567	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N158	2.45357	.25	-5.4184	0	
115	N160	0.659313	.25	-7.942812	0	
116	N162	0.911904	.25	-8.088645	0	
117	N164	7.432737	4.208333	3.205769	0	
118	N165	5.849404	4.208333	0.463356	0	
119	N166	4.120237	4.208333	-2.531649	0	
120	N167	2.45357	4.208333	-5.4184	0	
121	N168	0.911904	4.208333	-8.088645	0	
122	N169	7.432737	-1.791667	3.205769	0	
123	N170	5.849404	-1.791667	0.463356	0	
124	N171	4.120237	-1.791667	-2.531649	0	
125	N172	2.45357	-1.666667	-5.4184	0	
126	N173	0.911904	-1.791667	-8.088645	0	
127	N175	-0.6875	.25	-7.89399	0	
128	N177	-2.270833	.25	-5.151577	0	
129	N179	-4	.25	-2.156572	0	
130	N181	-0.940091	.25	-8.039824	0	
131	N183	-2.523424	.25	-5.29741	0	
132	N185	-4.252591	.25	-2.302406	0	
133	N187	-5.666667	.25	0.730179	0	
134	N189	-5.919257	.25	0.584346	0	
135	N191	-7.208333	.25	3.400424	0	
136	N193	-7.460924	.25	3.254591	0	
137	N195	-0.940091	4.208333	-8.039824	0	
138	N196	-2.523424	4.208333	-5.29741	0	
139	N197	-4.252591	4.208333	-2.302406	0	
140	N198	-5.919257	4.208333	0.584346	0	
141	N199	-7.460924	4.208333	3.254591	0	
142	N200	-0.940091	-1.791667	-8.039824	0	
143	N201	-2.523424	-1.791667	-5.29741	0	
144	N202	-4.252591	-1.791667	-2.302406	0	
145	N203	-5.919257	-1.666667	0.584346	0	
146	N204	-7.460924	-1.791667	3.254591	0	
147	N203B	-2.69943	.25	3.125722	0	
148	N204B	-2.70074	.25	4.292388	0	
149	N205	2.69943	.25	3.125722	0	
150	N206A	2.70074	.25	4.292388	0	
151	N207A	2.57443	.25	3.125722	0	
152	N208	2.57574	.25	4.292388	0	
153	N211	-2.57443	.25	3.125722	0	
154	N212	-2.57574	.25	4.292388	0	
155	N211A	4.05667	.25	0.774914	0	
156	N212A	5.067687	.25	0.192715	0	
157	N213	1.35724	.25	-3.900636	0	
158	N214	2.366947	.25	-4.485103	0	
159	N215	1.41974	.25	-3.792383	0	
160	N216	2.429447	.25	-4.37685	0	
161	N217	3.99417	.25	0.666661	0	
162	N218	5.005187	.25	0.084462	0	
163	N219	-1.35724	.25	-3.900636	0	
164	N220	-2.366947	.25	-4.485103	0	
165	N221	-4.05667	.25	0.774914	0	
166	N222	-5.067687	.25	0.192715	0	
167	N223	-3.99417	.25	0.666661	0	
168	N224	-5.005187	.25	0.084462	0	
169	N225	-1.41974	.25	-3.792383	0	
170	N226	-2.429447	.25	-4.37685	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
171	ANTENNACL	-3.32598	1.25	4.834054	0	
172	N175A	-3.32598	-.75	4.834054	0	
173	N177A	-1.948557	0	1.125	0	
174	N179A	1.948557	0	1.125	0	
175	N177B	-3.32598	3	4.834054	0	
176	N178	-3.32598	-.5	4.834054	0	
177	N177C	-3.32598	2.25	4.834054	0	
178	N178A	-3.32598	3.708333	4.834054	0	
179	N179B	-3.32598	1.75	4.834054	0	
180	N180	0.132354	-0.291667	4.834054	0	
181	N181A	-7.250146	3.25	4.542388	0	
182	N182	7.250146	3.25	4.542388	0	
183	N183A	-6.492646	3.25	4.542388	0	
184	N184	-3.32598	3.25	4.542388	0	
185	N185A	0.132354	3.25	4.542388	0	
186	N186	-6.492646	3.25	4.834054	0	
187	N187A	-3.32598	3.25	4.834054	0	
188	N188	0.132354	3.25	4.834054	0	
189	N189A	3.465687	3.25	4.542388	0	
190	N190	3.465687	3.25	4.834054	0	
191	N191A	6.54902	3.25	4.542388	0	
192	N192	6.54902	3.25	4.834054	0	
193	N193A	-4.867646	3.25	4.542388	0	
194	N194	4.867646	3.25	4.542388	0	
195	N195A	4.867646	3.25	4.313221	0	
196	N197A	-4.867687	3.25	4.313221	0	
197	N198A	7.558896	3.25	4.007617	0	
198	N199A	0.30875	3.25	-8.550005	0	
199	N200A	7.180146	3.25	3.351603	0	
200	N201A	5.596813	3.25	0.609189	0	
201	N202A	3.867646	3.25	-2.385816	0	
202	N203A	7.432737	3.25	3.205769	0	
203	N204A	5.849404	3.25	0.463356	0	
204	N205A	4.120237	3.25	-2.531649	0	
205	N206	2.20098	3.25	-5.272567	0	
206	N207	2.45357	3.25	-5.4184	0	
207	N208A	0.659313	3.25	-7.942812	0	
208	N209	0.911904	3.25	-8.088645	0	
209	N210	6.367646	3.25	1.944311	0	
210	N211B	1.5	3.25	-6.486699	0	
211	N212B	1.301536	3.25	-6.372116	0	
212	N213A	6.169203	3.25	2.05893	0	
213	N215A	-0.30875	3.25	-8.550005	0	
214	N216A	-7.558896	3.25	4.007617	0	
215	N217A	-0.6875	3.25	-7.89399	0	
216	N218A	-2.270833	3.25	-5.151577	0	
217	N219A	-4	3.25	-2.156572	0	
218	N220A	-0.940091	3.25	-8.039824	0	
219	N221A	-2.523424	3.25	-5.29741	0	
220	N222A	-4.252591	3.25	-2.302406	0	
221	N223A	-5.666667	3.25	0.730179	0	
222	N224A	-5.919257	3.25	0.584346	0	
223	N225A	-7.208333	3.25	3.400424	0	
224	N226A	-7.460924	3.25	3.254591	0	
225	N227	-1.5	3.25	-6.486699	0	
226	N228	-6.367646	3.25	1.944311	0	
227	N229	-6.169182	3.25	2.058895	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
228	N230	-1.301515	3.25	-6.372151	0	
229	N229A	-2.82598	3.25	4.542388	0	
230	N230A	2.82598	3.25	4.542388	0	
231	N234	5.346813	3.25	0.176176	0	
232	N235	2.520833	3.25	-4.718564	0	
233	N237	-2.520833	3.25	-4.718564	0	
234	N238	-5.346813	3.25	0.176176	0	
235	N238A	-6.867646	-.75	4.542388	0	
236	N239	6.867646	-.75	4.542388	0	
237	N240	-6.492646	-.75	4.542388	0	
238	N241	-3.32598	-.75	4.542388	0	
239	N242	0.132354	-.75	4.542388	0	
240	N243	-6.492646	-.75	4.834054	0	
241	N245	0.132354	-.75	4.834054	0	
242	N246	3.465687	-.75	4.542388	0	
243	N247	3.465687	-.75	4.834054	0	
244	N248	6.54902	-.75	4.542388	0	
245	N249	6.54902	-.75	4.834054	0	
246	N250	-4.867646	-.75	4.542388	0	
247	N251	4.867646	-.75	4.542388	0	
248	N252	4.867646	-.75	4.313221	0	
249	N253	-4.867687	-.75	4.313221	0	
250	N254	7.367646	-.75	3.676362	0	
251	N255	0.5	-.75	-8.21875	0	
252	N256	7.180146	-.75	3.351603	0	
253	N257	5.596813	-.75	0.609189	0	
254	N258	3.867646	-.75	-2.385816	0	
255	N259	7.432737	-.75	3.205769	0	
256	N260	5.849404	-.75	0.463356	0	
257	N261	4.120237	-.75	-2.531649	0	
258	N262	2.20098	-.75	-5.272567	0	
259	N263	2.45357	-.75	-5.4184	0	
260	N264	0.659313	-.75	-7.942812	0	
261	N265	0.911904	-.75	-8.088645	0	
262	N266	6.367646	-.75	1.944311	0	
263	N267	1.5	-.75	-6.486699	0	
264	N268	1.301536	-.75	-6.372116	0	
265	N269	6.169203	-.75	2.05893	0	
266	N270	-.5	-.75	-8.21875	0	
267	N271	-7.367646	-.75	3.676362	0	
268	N272	-0.6875	-.75	-7.89399	0	
269	N273	-2.270833	-.75	-5.151577	0	
270	N274	-4	-.75	-2.156572	0	
271	N275	-0.940091	-.75	-8.039824	0	
272	N276	-2.523424	-.75	-5.29741	0	
273	N277	-4.252591	-.75	-2.302406	0	
274	N278	-5.666667	-.75	0.730179	0	
275	N279	-5.919257	-.75	0.584346	0	
276	N280	-7.208333	-.75	3.400424	0	
277	N281	-7.460924	-.75	3.254591	0	
278	N282	-1.5	-.75	-6.486699	0	
279	N283	-6.367646	-.75	1.944311	0	
280	N284	-6.169182	-.75	2.058895	0	
281	N285	-1.301515	-.75	-6.372151	0	
282	N286	-2.82598	-.75	4.542388	0	
283	N287	2.82598	-.75	4.542388	0	
284	N288	0.	-1.958333	2.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
285	N289	1.948557	-1.958333	-1.125	0	
286	N290	-1.948557	-1.958333	-1.125	0	
287	N291	5.346813	-.75	0.176176	0	
288	N292	2.520833	-.75	-4.718564	0	
289	N293	-2.520833	-.75	-4.718564	0	
290	N294	-5.346813	-.75	0.176176	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	HSS Standoff	HSS3X3X6	Beam	SquareTube	A500 Gr. B 46	Typical	3.39	3.78	3.78	6.64
3	Standoff Plate	PL5/8x6	Beam	SquareTube	A36 Gr.36	Typical	3.75	.122	11.25	.456
4	Face Horizontal	PIPE_3.0	Beam	SquareTube	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
5	Cross Bracing Angle	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
6	Standoff Welded	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
7	Face Bracing Angle	SR_1A	Beam	SquareTube	A36 Gr.36	Typical	.785	.049	.049	.098
8	Mod Support Rail C...	L3X3X4	Beam	SquareTube	A36 Gr.36	Typical	1.44	1.23	1.23	.031
9	Grating Angle Brace	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
10	Mod Support Rail	PIPE_2.5	Beam	SquareTube	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Mod V bracing kit	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N8	N11			RIGID	None	None	RIGID	Typical
2	M2	N7	N10			RIGID	None	None	RIGID	Typical
3	M3	N6	N9			RIGID	None	None	RIGID	Typical
4	M4	N2	N3			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
5	M5	N4	N5			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
6	M7A	N24	N27		60	RIGID	None	None	RIGID	Typical
7	M8	N23	N26		60	RIGID	None	None	RIGID	Typical
8	M9	N22	N25		60	RIGID	None	None	RIGID	Typical
9	M10	N177A	N19			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
10	M11	N20	N21			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
11	M13	N40	N43		30	RIGID	None	None	RIGID	Typical
12	M14	N39	N42		30	RIGID	None	None	RIGID	Typical
13	M15	N38	N41		30	RIGID	None	None	RIGID	Typical
14	M16	N179A	N35			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
15	M17	N36	N37			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
16	M18	N46	N45			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
17	M19	N45	N47A			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
18	M20	N16	N48A			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
19	M21	N31	N49			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
20	M22	N47A	N50			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
21	M23	N48A	N51			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
22	M24	N49	N52			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
23	M25	N50	N17			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
24	M26	N51	N32			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
25	M27	N52	N46			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
26	M28	N44	N53		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
27	M29	N12	N55		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
28	M30	N28	N57		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
29	M31	N57A	N12		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
30	M32	N58	N28		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
31	M33	N60	N44		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
32	M34	N65	N61			RIGID	None	None	RIGID	Typical
33	M35	N66	N62			RIGID	None	None	RIGID	Typical
34	M36	N64	N62			RIGID	None	None	RIGID	Typical
35	M37	N63	N61			RIGID	None	None	RIGID	Typical
36	M38	N64	N63			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
37	M39	N66	N65		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
38	M40	N73	N69			RIGID	None	None	RIGID	Typical
39	M41	N74	N70			RIGID	None	None	RIGID	Typical
40	M42	N72	N70			RIGID	None	None	RIGID	Typical
41	M43	N71	N69			RIGID	None	None	RIGID	Typical
42	M44	N72	N71			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
43	M45	N74	N73		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
44	M46	N80	N76			RIGID	None	None	RIGID	Typical
45	M47	N81	N77			RIGID	None	None	RIGID	Typical
46	M48	N79	N77			RIGID	None	None	RIGID	Typical
47	M49	N78	N76			RIGID	None	None	RIGID	Typical
48	M50	N79	N78			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
49	M51	N81	N80		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
50	M77	N113A	N119			RIGID	None	None	RIGID	Typical
51	M79	N115	N121			RIGID	None	None	RIGID	Typical
52	M81	N117	N123			RIGID	None	None	RIGID	Typical
53	M83	N125	N127			RIGID	None	None	RIGID	Typical
54	M85	N129	N131			RIGID	None	None	RIGID	Typical
55	MP5A	N133	N138			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
56	MP4A	N134	N139			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
57	MP3A	N135	N140			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
58	MP2A	N136	N141			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
59	MP1A	N137	N142			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
60	M92	N144	N150			RIGID	None	None	RIGID	Typical
61	M94	N146	N152			RIGID	None	None	RIGID	Typical
62	M96	N148	N154			RIGID	None	None	RIGID	Typical
63	M98	N156	N158			RIGID	None	None	RIGID	Typical
64	M100	N160	N162			RIGID	None	None	RIGID	Typical
65	MP5C	N164	N169			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
66	MP4C	N165	N170			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
67	MP3C	N166	N171			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
68	MP2C	N167	N172			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
69	MP1C	N168	N173			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
70	M107	N175	N181			RIGID	None	None	RIGID	Typical
71	M109	N177	N183			RIGID	None	None	RIGID	Typical
72	M111	N179	N185			RIGID	None	None	RIGID	Typical
73	M113	N187	N189			RIGID	None	None	RIGID	Typical
74	M115	N191	N193			RIGID	None	None	RIGID	Typical
75	MP5B	N195	N200			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
76	MP4B	N196	N201			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
77	MP3B	N197	N202			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
78	MP2B	N198	N203			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
79	MP1B	N199	N204			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
80	M122A	N17	N16			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
81	M123A	N32	N31			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
82	M124	N205	N207A			RIGID	None	None	RIGID	Typical
83	M125	N206A	N208			RIGID	None	None	RIGID	Typical
84	M128	N208	N207A		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
85	M127	N203B	N211			RIGID	None	None	RIGID	Typical
86	M128A	N204B	N212			RIGID	None	None	RIGID	Typical
87	M129	N211	N212		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
88	M136	N213	N215			RIGID	None	None	RIGID	Typical
89	M137	N214	N216			RIGID	None	None	RIGID	Typical
90	M138	N216	N215		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
91	M139	N211A	N217			RIGID	None	None	RIGID	Typical
92	M140	N212A	N218			RIGID	None	None	RIGID	Typical
93	M141	N217	N218		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
94	M148	N221	N223			RIGID	None	None	RIGID	Typical
95	M149	N222	N224			RIGID	None	None	RIGID	Typical
96	M150	N224	N223		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
97	M151	N219	N225			RIGID	None	None	RIGID	Typical
98	M152	N220	N226			RIGID	None	None	RIGID	Typical
99	M153	N225	N226		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
100	M100A	N181A	N182			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
101	M101	N183A	N186			RIGID	None	None	RIGID	Typical
102	M102	N184	N187A			RIGID	None	None	RIGID	Typical
103	M103	N185A	N188			RIGID	None	None	RIGID	Typical
104	M104	N189A	N190			RIGID	None	None	RIGID	Typical
105	M105	N191A	N192			RIGID	None	None	RIGID	Typical
106	M106	N194	N195A			RIGID	None	None	RIGID	Typical
107	M107A	N193A	N197A			RIGID	None	None	RIGID	Typical
108	M108	N198A	N199A			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
109	M109A	N200A	N203A			RIGID	None	None	RIGID	Typical
110	M110	N201A	N204A			RIGID	None	None	RIGID	Typical
111	M111A	N202A	N205A			RIGID	None	None	RIGID	Typical
112	M112	N206	N207			RIGID	None	None	RIGID	Typical
113	M113A	N208A	N209			RIGID	None	None	RIGID	Typical
114	M114	N211B	N212B			RIGID	None	None	RIGID	Typical
115	M115A	N210	N213A			RIGID	None	None	RIGID	Typical
116	M116	N215A	N216A			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
117	M117	N217A	N220A			RIGID	None	None	RIGID	Typical
118	M118	N218A	N221A			RIGID	None	None	RIGID	Typical
119	M119	N219A	N222A			RIGID	None	None	RIGID	Typical
120	M120	N223A	N224A			RIGID	None	None	RIGID	Typical
121	M121	N225A	N226A			RIGID	None	None	RIGID	Typical
122	M122	N228	N229			RIGID	None	None	RIGID	Typical
123	M123	N227	N230			RIGID	None	None	RIGID	Typical
124	M124A	N197A	N229		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
125	M125A	N213A	N195A		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
126	M126	N230	N212B		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
127	M133	N238A	N239			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
128	M134	N240	N243			RIGID	None	None	RIGID	Typical
129	M135	N241	N175A			RIGID	None	None	RIGID	Typical
130	M136A	N242	N245			RIGID	None	None	RIGID	Typical
131	M137A	N246	N247			RIGID	None	None	RIGID	Typical
132	M138A	N248	N249			RIGID	None	None	RIGID	Typical
133	M139A	N251	N252			RIGID	None	None	RIGID	Typical
134	M140A	N250	N253			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
135	M141A	N254	N255			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
136	M142	N256	N259			RIGID	None	None	RIGID	Typical
137	M143	N257	N260			RIGID	None	None	RIGID	Typical
138	M144	N258	N261			RIGID	None	None	RIGID	Typical
139	M145	N262	N263			RIGID	None	None	RIGID	Typical
140	M146	N264	N265			RIGID	None	None	RIGID	Typical
141	M147	N267	N268			RIGID	None	None	RIGID	Typical
142	M148A	N266	N269			RIGID	None	None	RIGID	Typical
143	M149A	N270	N271			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
144	M150A	N272	N275			RIGID	None	None	RIGID	Typical
145	M151A	N273	N276			RIGID	None	None	RIGID	Typical
146	M152A	N274	N277			RIGID	None	None	RIGID	Typical
147	M153A	N278	N279			RIGID	None	None	RIGID	Typical
148	M154	N280	N281			RIGID	None	None	RIGID	Typical
149	M155	N283	N284			RIGID	None	None	RIGID	Typical
150	M156	N282	N285			RIGID	None	None	RIGID	Typical
151	M157	N253	N284		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
152	M158	N269	N252		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
153	M159	N285	N268		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
154	M160	N286	N288			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
155	M161	N287	N288		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
156	M162	N291	N289			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
157	M163	N292	N289		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
158	M164	N293	N290			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
159	M165	N294	N290		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	HSS Standoff	2.771			Lbyy						Lateral
2	M5	HSS Standoff	5.208			Lbyy						Lateral
3	M10	HSS Standoff	2.771			Lbyy						Lateral
4	M11	HSS Standoff	5.208			Lbyy						Lateral
5	M16	HSS Standoff	2.771			Lbyy						Lateral
6	M17	HSS Standoff	5.208			Lbyy						Lateral
7	M18	Standoff Pla...	1			Lbyy						Lateral
8	M19	Face Horizo...	4.667			Lbyy						Lateral
9	M20	Face Horizo...	4.667			Lbyy						Lateral
10	M21	Face Horizo...	4.667			Lbyy						Lateral
11	M22	Face Horizo...	4.402			Lbyy						Lateral
12	M23	Face Horizo...	4.402			Lbyy						Lateral
13	M24	Face Horizo...	4.402			Lbyy						Lateral
14	M25	Face Horizo...	4.667			Lbyy						Lateral
15	M26	Face Horizo...	4.667			Lbyy						Lateral
16	M27	Face Horizo...	4.667			Lbyy						Lateral
17	M28	Cross Braci...	2.985			Lbyy						Lateral
18	M29	Cross Braci...	2.985			Lbyy						Lateral
19	M30	Cross Braci...	2.985			Lbyy						Lateral
20	M31	Cross Braci...	2.985			Lbyy						Lateral
21	M32	Cross Braci...	2.985			Lbyy						Lateral
22	M33	Cross Braci...	2.985			Lbyy						Lateral
23	M38	Standoff W...	2.75			Lbyy						Lateral
24	M39	Standoff W...	2.75			Lbyy						Lateral
25	M44	Standoff W...	2.75			Lbyy						Lateral
26	M45	Standoff W...	2.75			Lbyy						Lateral
27	M50	Standoff W...	2.75			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
28	M51	Standoff W...	2.75			Lbyy						Lateral
29	MP5A	Antenna Pipe	6			Lbyy						Lateral
30	MP4A	Antenna Pipe	6			Lbyy						Lateral
31	MP3A	Antenna Pipe	6			Lbyy						Lateral
32	MP2A	Antenna Pipe	5.875			Lbyy						Lateral
33	MP1A	Antenna Pipe	6			Lbyy						Lateral
34	MP5C	Antenna Pipe	6			Lbyy						Lateral
35	MP4C	Antenna Pipe	6			Lbyy						Lateral
36	MP3C	Antenna Pipe	6			Lbyy						Lateral
37	MP2C	Antenna Pipe	5.875			Lbyy						Lateral
38	MP1C	Antenna Pipe	6			Lbyy						Lateral
39	MP5B	Antenna Pipe	6			Lbyy						Lateral
40	MP4B	Antenna Pipe	6			Lbyy						Lateral
41	MP3B	Antenna Pipe	6			Lbyy						Lateral
42	MP2B	Antenna Pipe	5.875			Lbyy						Lateral
43	MP1B	Antenna Pipe	6			Lbyy						Lateral
44	M122A	Standoff Pla...	1			Lbyy						Lateral
45	M123A	Standoff Pla...	1			Lbyy						Lateral
46	M128	Grating Ang...	1.167			Lbyy						Lateral
47	M129	Grating Ang...	1.167			Lbyy						Lateral
48	M138	Grating Ang...	1.167			Lbyy						Lateral
49	M141	Grating Ang...	1.167			Lbyy						Lateral
50	M150	Grating Ang...	1.167			Lbyy						Lateral
51	M153	Grating Ang...	1.167			Lbyy						Lateral
52	M100A	Mod Suppor...	14.5			Lbyy						Lateral
53	M108	Mod Suppor...	14.5			Lbyy						Lateral
54	M116	Mod Suppor...	14.5			Lbyy						Lateral
55	M124A	Mod Suppor...	2.603			Lbyy						Lateral
56	M125A	Mod Suppor...	2.603			Lbyy						Lateral
57	M126	Mod Suppor...	2.603			Lbyy						Lateral
58	M133	Mod Suppor...	13.735			Lbyy						Lateral
59	M141A	Mod Suppor...	13.735			Lbyy						Lateral
60	M149A	Mod Suppor...	13.735			Lbyy						Lateral
61	M157	Mod Suppor...	2.603			Lbyy						Lateral
62	M158	Mod Suppor...	2.603			Lbyy						Lateral
63	M159	Mod Suppor...	2.603			Lbyy						Lateral
64	M160	Mod V braci...	3.834			Lbyy						Lateral
65	M161	Mod V braci...	3.834			Lbyy						Lateral
66	M162	Mod V braci...	3.834			Lbyy						Lateral
67	M163	Mod V braci...	3.834			Lbyy						Lateral
68	M164	Mod V braci...	3.834			Lbyy						Lateral
69	M165	Mod V braci...	3.834			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.5	1.21
2	MP1A	My	-.027	1.21
3	MP1A	Mz	.052	1.21
4	MP1A	Y	-43.5	4.7
5	MP1A	My	-.027	4.7
6	MP1A	Mz	.052	4.7
7	MP1B	Y	-43.5	1.21
8	MP1B	My	-.032	1.21
9	MP1B	Mz	-.05	1.21
10	MP1B	Y	-43.5	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	My	-.032	4.7
12	MP1B	Mz	-.05	4.7
13	MP1C	Y	-43.5	1.21
14	MP1C	My	.059	1.21
15	MP1C	Mz	-.003	1.21
16	MP1C	Y	-43.5	4.7
17	MP1C	My	.059	4.7
18	MP1C	Mz	-.003	4.7
19	MP1A	Y	-43.5	1.21
20	MP1A	My	-.05	1.21
21	MP1A	Mz	-.032	1.21
22	MP1A	Y	-43.5	4.7
23	MP1A	My	-.05	4.7
24	MP1A	Mz	-.032	4.7
25	MP1B	Y	-43.5	1.21
26	MP1B	My	.052	1.21
27	MP1B	Mz	-.027	1.21
28	MP1B	Y	-43.5	4.7
29	MP1B	My	.052	4.7
30	MP1B	Mz	-.027	4.7
31	MP1C	Y	-43.5	1.21
32	MP1C	My	-.003	1.21
33	MP1C	Mz	.059	1.21
34	MP1C	Y	-43.5	4.7
35	MP1C	My	-.003	4.7
36	MP1C	Mz	.059	4.7
37	MP4A	Y	-43.5	1.21
38	MP4A	My	-.058	1.21
39	MP4A	Mz	.013	1.21
40	MP4A	Y	-43.5	4.7
41	MP4A	My	-.058	4.7
42	MP4A	Mz	.013	4.7
43	MP4B	Y	-43.5	1.21
44	MP4B	My	.018	1.21
45	MP4B	Mz	-.056	1.21
46	MP4B	Y	-43.5	4.7
47	MP4B	My	.018	4.7
48	MP4B	Mz	-.056	4.7
49	MP4C	Y	-43.5	1.21
50	MP4C	My	.04	1.21
51	MP4C	Mz	.044	1.21
52	MP4C	Y	-43.5	4.7
53	MP4C	My	.04	4.7
54	MP4C	Mz	.044	4.7
55	MP4A	Y	-43.5	1.21
56	MP4A	My	-.008	1.21
57	MP4A	Mz	-.059	1.21
58	MP4A	Y	-43.5	4.7
59	MP4A	My	-.008	4.7
60	MP4A	Mz	-.059	4.7
61	MP4B	Y	-43.5	1.21
62	MP4B	My	.055	1.21
63	MP4B	Mz	.023	1.21
64	MP4B	Y	-43.5	4.7
65	MP4B	My	.055	4.7
66	MP4B	Mz	.023	4.7
67	MP4C	Y	-43.5	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4C	My	-.047	1.21
69	MP4C	Mz	.036	1.21
70	MP4C	Y	-43.5	4.7
71	MP4C	My	-.047	4.7
72	MP4C	Mz	.036	4.7
73	MP3A	Y	-4.4	2.96
74	MP3A	My	-.002	2.96
75	MP3A	Mz	0	2.96
76	MP3B	Y	-4.4	2.96
77	MP3B	My	.000917	2.96
78	MP3B	Mz	-.002	2.96
79	MP3C	Y	-4.4	2.96
80	MP3C	My	.000917	2.96
81	MP3C	Mz	.002	2.96
82	MP2A	Y	-43.55	1.96
83	MP2A	My	-.022	1.96
84	MP2A	Mz	0	1.96
85	MP2A	Y	-43.55	3.96
86	MP2A	My	-.022	3.96
87	MP2A	Mz	0	3.96
88	MP2B	Y	-43.55	1.96
89	MP2B	My	.011	1.96
90	MP2B	Mz	-.019	1.96
91	MP2B	Y	-43.55	3.96
92	MP2B	My	.011	3.96
93	MP2B	Mz	-.019	3.96
94	MP2C	Y	-43.55	1.96
95	MP2C	My	.011	1.96
96	MP2C	Mz	.019	1.96
97	MP2C	Y	-43.55	3.96
98	MP2C	My	.011	3.96
99	MP2C	Mz	.019	3.96
100	MP5A	Y	-52.9	2.25
101	MP5A	My	.017	2.25
102	MP5A	Mz	-.005	2.25
103	MP5B	Y	-52.9	2.25
104	MP5B	My	-.005	2.25
105	MP5B	Mz	.017	2.25
106	MP5C	Y	-52.9	2.25
107	MP5C	My	-.012	2.25
108	MP5C	Mz	-.012	2.25
109	MP2A	Y	-70.3	2.25
110	MP2A	My	.035	2.25
111	MP2A	Mz	0	2.25
112	MP2B	Y	-70.3	2.25
113	MP2B	My	-.018	2.25
114	MP2B	Mz	.03	2.25
115	MP2C	Y	-70.3	2.25
116	MP2C	My	-.018	2.25
117	MP2C	Mz	-.03	2.25
118	MP1A	Y	-84.4	2.25
119	MP1A	My	.041	2.25
120	MP1A	Mz	-.011	2.25
121	MP1B	Y	-84.4	2.25
122	MP1B	My	-.011	2.25
123	MP1B	Mz	.041	2.25
124	MP1C	Y	-84.4	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
125	MP1C	My	-.03	2.25
126	MP1C	Mz	-.03	2.25
127	MP4A	Y	-70.3	2.25
128	MP4A	My	.035	2.25
129	MP4A	Mz	0	2.25
130	MP4B	Y	-70.3	2.25
131	MP4B	My	-.018	2.25
132	MP4B	Mz	.03	2.25
133	MP4C	Y	-70.3	2.25
134	MP4C	My	-.018	2.25
135	MP4C	Mz	-.03	2.25
136	MP3A	Y	-84.4	2.25
137	MP3A	My	.042	2.25
138	MP3A	Mz	0	2.25
139	MP3B	Y	-84.4	2.25
140	MP3B	My	-.021	2.25
141	MP3B	Mz	.037	2.25
142	MP3C	Y	-84.4	2.25
143	MP3C	My	-.021	2.25
144	MP3C	Mz	-.037	2.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-98.168	1.21
2	MP1A	My	-.062	1.21
3	MP1A	Mz	.118	1.21
4	MP1A	Y	-98.168	4.7
5	MP1A	My	-.062	4.7
6	MP1A	Mz	.118	4.7
7	MP1B	Y	-98.168	1.21
8	MP1B	My	-.072	1.21
9	MP1B	Mz	-.112	1.21
10	MP1B	Y	-98.168	4.7
11	MP1B	My	-.072	4.7
12	MP1B	Mz	-.112	4.7
13	MP1C	Y	-98.168	1.21
14	MP1C	My	.133	1.21
15	MP1C	Mz	-.006	1.21
16	MP1C	Y	-98.168	4.7
17	MP1C	My	.133	4.7
18	MP1C	Mz	-.006	4.7
19	MP1A	Y	-98.168	1.21
20	MP1A	My	-.112	1.21
21	MP1A	Mz	-.072	1.21
22	MP1A	Y	-98.168	4.7
23	MP1A	My	-.112	4.7
24	MP1A	Mz	-.072	4.7
25	MP1B	Y	-98.168	1.21
26	MP1B	My	.118	1.21
27	MP1B	Mz	-.062	1.21
28	MP1B	Y	-98.168	4.7
29	MP1B	My	.118	4.7
30	MP1B	Mz	-.062	4.7
31	MP1C	Y	-98.168	1.21
32	MP1C	My	-.006	1.21
33	MP1C	Mz	.133	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	Y	-98.168	4.7
35	MP1C	My	-.006	4.7
36	MP1C	Mz	.133	4.7
37	MP4A	Y	-98.168	1.21
38	MP4A	My	-.13	1.21
39	MP4A	Mz	.029	1.21
40	MP4A	Y	-98.168	4.7
41	MP4A	My	-.13	4.7
42	MP4A	Mz	.029	4.7
43	MP4B	Y	-98.168	1.21
44	MP4B	My	.04	1.21
45	MP4B	Mz	-.127	1.21
46	MP4B	Y	-98.168	4.7
47	MP4B	My	.04	4.7
48	MP4B	Mz	-.127	4.7
49	MP4C	Y	-98.168	1.21
50	MP4C	My	.09	1.21
51	MP4C	Mz	.098	1.21
52	MP4C	Y	-98.168	4.7
53	MP4C	My	.09	4.7
54	MP4C	Mz	.098	4.7
55	MP4A	Y	-98.168	1.21
56	MP4A	My	-.017	1.21
57	MP4A	Mz	-.132	1.21
58	MP4A	Y	-98.168	4.7
59	MP4A	My	-.017	4.7
60	MP4A	Mz	-.132	4.7
61	MP4B	Y	-98.168	1.21
62	MP4B	My	.123	1.21
63	MP4B	Mz	.051	1.21
64	MP4B	Y	-98.168	4.7
65	MP4B	My	.123	4.7
66	MP4B	Mz	.051	4.7
67	MP4C	Y	-98.168	1.21
68	MP4C	My	-.106	1.21
69	MP4C	Mz	.081	1.21
70	MP4C	Y	-98.168	4.7
71	MP4C	My	-.106	4.7
72	MP4C	Mz	.081	4.7
73	MP3A	Y	-13.622	2.96
74	MP3A	My	-.006	2.96
75	MP3A	Mz	0	2.96
76	MP3B	Y	-13.622	2.96
77	MP3B	My	.003	2.96
78	MP3B	Mz	-.005	2.96
79	MP3C	Y	-13.622	2.96
80	MP3C	My	.003	2.96
81	MP3C	Mz	.005	2.96
82	MP2A	Y	-36.019	1.96
83	MP2A	My	-.018	1.96
84	MP2A	Mz	0	1.96
85	MP2A	Y	-36.019	3.96
86	MP2A	My	-.018	3.96
87	MP2A	Mz	0	3.96
88	MP2B	Y	-36.019	1.96
89	MP2B	My	.009	1.96
90	MP2B	Mz	-.016	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2B	Y	-36.019	3.96
92	MP2B	My	.009	3.96
93	MP2B	Mz	-.016	3.96
94	MP2C	Y	-36.019	1.96
95	MP2C	My	.009	1.96
96	MP2C	Mz	.016	1.96
97	MP2C	Y	-36.019	3.96
98	MP2C	My	.009	3.96
99	MP2C	Mz	.016	3.96
100	MP5A	Y	-37.819	2.25
101	MP5A	My	.012	2.25
102	MP5A	Mz	-.003	2.25
103	MP5B	Y	-37.819	2.25
104	MP5B	My	-.003	2.25
105	MP5B	Mz	.012	2.25
106	MP5C	Y	-37.819	2.25
107	MP5C	My	-.009	2.25
108	MP5C	Mz	-.009	2.25
109	MP2A	Y	-40.849	2.25
110	MP2A	My	.02	2.25
111	MP2A	Mz	0	2.25
112	MP2B	Y	-40.849	2.25
113	MP2B	My	-.01	2.25
114	MP2B	Mz	.018	2.25
115	MP2C	Y	-40.849	2.25
116	MP2C	My	-.01	2.25
117	MP2C	Mz	-.018	2.25
118	MP1A	Y	-45.419	2.25
119	MP1A	My	.022	2.25
120	MP1A	Mz	-.006	2.25
121	MP1B	Y	-45.419	2.25
122	MP1B	My	-.006	2.25
123	MP1B	Mz	.022	2.25
124	MP1C	Y	-45.419	2.25
125	MP1C	My	-.016	2.25
126	MP1C	Mz	-.016	2.25
127	MP4A	Y	-40.849	2.25
128	MP4A	My	.02	2.25
129	MP4A	Mz	0	2.25
130	MP4B	Y	-40.849	2.25
131	MP4B	My	-.01	2.25
132	MP4B	Mz	.018	2.25
133	MP4C	Y	-40.849	2.25
134	MP4C	My	-.01	2.25
135	MP4C	Mz	-.018	2.25
136	MP3A	Y	-45.419	2.25
137	MP3A	My	.023	2.25
138	MP3A	Mz	0	2.25
139	MP3B	Y	-45.419	2.25
140	MP3B	My	-.011	2.25
141	MP3B	Mz	.02	2.25
142	MP3C	Y	-45.419	2.25
143	MP3C	My	-.011	2.25
144	MP3C	Mz	-.02	2.25

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	-201.416	1.21
3	MP1A	Mx	-.242	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-201.416	4.7
6	MP1A	Mx	-.242	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-129.686	1.21
9	MP1B	Mx	.148	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-129.686	4.7
12	MP1B	Mx	.148	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	-165.551	1.21
15	MP1C	Mx	.01	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-165.551	4.7
18	MP1C	Mx	.01	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-201.416	1.21
21	MP1A	Mx	.147	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-201.416	4.7
24	MP1A	Mx	.147	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-129.686	1.21
27	MP1B	Mx	.081	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-129.686	4.7
30	MP1B	Mx	.081	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	-165.551	1.21
33	MP1C	Mx	-.224	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-165.551	4.7
36	MP1C	Mx	-.224	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-179.715	1.21
39	MP4A	Mx	-.053	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	-179.715	4.7
42	MP4A	Mx	-.053	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-192.171	1.21
45	MP4B	Mx	.249	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-192.171	4.7
48	MP4B	Mx	.249	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	-124.767	1.21
51	MP4C	Mx	-.125	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	-124.767	4.7
54	MP4C	Mx	-.125	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-179.715	1.21
57	MP4A	Mx	.242	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	4.7
59	MP4A	Z	-179.715	4.7
60	MP4A	Mx	.242	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-192.171	1.21
63	MP4B	Mx	-.1	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-192.171	4.7
66	MP4B	Mx	-.1	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-124.767	1.21
69	MP4C	Mx	-.103	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-124.767	4.7
72	MP4C	Mx	-.103	4.7
73	MP3A	X	0	2.96
74	MP3A	Z	-29.757	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	-11.816	2.96
78	MP3B	Mx	.004	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	-11.816	2.96
81	MP3C	Mx	-.004	2.96
82	MP2A	X	0	1.96
83	MP2A	Z	-78.573	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	-78.573	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	-42.714	1.96
90	MP2B	Mx	.018	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	-42.714	3.96
93	MP2B	Mx	.018	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	-42.714	1.96
96	MP2C	Mx	-.018	1.96
97	MP2C	X	0	3.96
98	MP2C	Z	-42.714	3.96
99	MP2C	Mx	-.018	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	-62.983	2.25
102	MP5A	Mx	.005	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	-30.012	2.25
105	MP5B	Mx	-.01	2.25
106	MP5C	X	0	2.25
107	MP5C	Z	-46.497	2.25
108	MP5C	Mx	.011	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	-62.524	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	-41.021	2.25
114	MP2B	Mx	-.018	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	0	2.25
116	MP2C	Z	-41.021	2.25
117	MP2C	Mx	.018	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	-61.135	2.25
120	MP1A	Mx	.008	2.25
121	MP1B	X	0	2.25
122	MP1B	Z	-43.183	2.25
123	MP1B	Mx	-.021	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	-52.159	2.25
126	MP1C	Mx	.018	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-62.524	2.25
129	MP4A	Mx	0	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	-41.021	2.25
132	MP4B	Mx	-.018	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-41.021	2.25
135	MP4C	Mx	.018	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	-62.524	2.25
138	MP3A	Mx	0	2.25
139	MP3B	X	0	2.25
140	MP3B	Z	-46.977	2.25
141	MP3B	Mx	-.02	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	-46.977	2.25
144	MP3C	Mx	.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	82.776	1.21
2	MP1A	Z	-143.372	1.21
3	MP1A	Mx	-.224	1.21
4	MP1A	X	82.776	4.7
5	MP1A	Z	-143.372	4.7
6	MP1A	Mx	-.224	4.7
7	MP1B	X	64.843	1.21
8	MP1B	Z	-112.312	1.21
9	MP1B	Mx	.081	1.21
10	MP1B	X	64.843	4.7
11	MP1B	Z	-112.312	4.7
12	MP1B	Mx	.081	4.7
13	MP1C	X	100.708	1.21
14	MP1C	Z	-174.432	1.21
15	MP1C	Mx	.147	1.21
16	MP1C	X	100.708	4.7
17	MP1C	Z	-174.432	4.7
18	MP1C	Mx	.147	4.7
19	MP1A	X	82.776	1.21
20	MP1A	Z	-143.372	1.21
21	MP1A	Mx	.01	1.21
22	MP1A	X	82.776	4.7
23	MP1A	Z	-143.372	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mx	.01	4.7
25	MP1B	X	64.843	1.21
26	MP1B	Z	-112.312	1.21
27	MP1B	Mx	.148	1.21
28	MP1B	X	64.843	4.7
29	MP1B	Z	-112.312	4.7
30	MP1B	Mx	.148	4.7
31	MP1C	X	100.708	1.21
32	MP1C	Z	-174.432	1.21
33	MP1C	Mx	-.242	1.21
34	MP1C	X	100.708	4.7
35	MP1C	Z	-174.432	4.7
36	MP1C	Mx	-.242	4.7
37	MP4A	X	103.168	1.21
38	MP4A	Z	-178.692	1.21
39	MP4A	Mx	-.189	1.21
40	MP4A	X	103.168	4.7
41	MP4A	Z	-178.692	4.7
42	MP4A	Mx	-.189	4.7
43	MP4B	X	75.694	1.21
44	MP4B	Z	-131.105	1.21
45	MP4B	Mx	.201	1.21
46	MP4B	X	75.694	4.7
47	MP4B	Z	-131.105	4.7
48	MP4B	Mx	.201	4.7
49	MP4C	X	69.466	1.21
50	MP4C	Z	-120.318	1.21
51	MP4C	Mx	-.057	1.21
52	MP4C	X	69.466	4.7
53	MP4C	Z	-120.318	4.7
54	MP4C	Mx	-.057	4.7
55	MP4A	X	103.168	1.21
56	MP4A	Z	-178.692	1.21
57	MP4A	Mx	.222	1.21
58	MP4A	X	103.168	4.7
59	MP4A	Z	-178.692	4.7
60	MP4A	Mx	.222	4.7
61	MP4B	X	75.694	1.21
62	MP4B	Z	-131.105	1.21
63	MP4B	Mx	.027	1.21
64	MP4B	X	75.694	4.7
65	MP4B	Z	-131.105	4.7
66	MP4B	Mx	.027	4.7
67	MP4C	X	69.466	1.21
68	MP4C	Z	-120.318	1.21
69	MP4C	Mx	-.174	1.21
70	MP4C	X	69.466	4.7
71	MP4C	Z	-120.318	4.7
72	MP4C	Mx	-.174	4.7
73	MP3A	X	11.888	2.96
74	MP3A	Z	-20.591	2.96
75	MP3A	Mx	-.005	2.96
76	MP3B	X	2.918	2.96
77	MP3B	Z	-5.054	2.96
78	MP3B	Mx	.002	2.96
79	MP3C	X	11.888	2.96
80	MP3C	Z	-20.591	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3C	Mx	-.005	2.96
82	MP2A	X	33.31	1.96
83	MP2A	Z	-57.695	1.96
84	MP2A	Mx	-.017	1.96
85	MP2A	X	33.31	3.96
86	MP2A	Z	-57.695	3.96
87	MP2A	Mx	-.017	3.96
88	MP2B	X	15.381	1.96
89	MP2B	Z	-26.64	1.96
90	MP2B	Mx	.015	1.96
91	MP2B	X	15.381	3.96
92	MP2B	Z	-26.64	3.96
93	MP2B	Mx	.015	3.96
94	MP2C	X	33.31	1.96
95	MP2C	Z	-57.695	1.96
96	MP2C	Mx	-.017	1.96
97	MP2C	X	33.31	3.96
98	MP2C	Z	-57.695	3.96
99	MP2C	Mx	-.017	3.96
100	MP5A	X	23.249	2.25
101	MP5A	Z	-40.268	2.25
102	MP5A	Mx	.011	2.25
103	MP5B	X	15.006	2.25
104	MP5B	Z	-25.991	2.25
105	MP5B	Mx	-.01	2.25
106	MP5C	X	31.491	2.25
107	MP5C	Z	-54.545	2.25
108	MP5C	Mx	.005	2.25
109	MP2A	X	27.678	2.25
110	MP2A	Z	-47.94	2.25
111	MP2A	Mx	.014	2.25
112	MP2B	X	16.927	2.25
113	MP2B	Z	-29.318	2.25
114	MP2B	Mx	-.017	2.25
115	MP2C	X	27.678	2.25
116	MP2C	Z	-47.94	2.25
117	MP2C	Mx	.014	2.25
118	MP1A	X	26.08	2.25
119	MP1A	Z	-45.171	2.25
120	MP1A	Mx	.018	2.25
121	MP1B	X	21.591	2.25
122	MP1B	Z	-37.397	2.25
123	MP1B	Mx	-.021	2.25
124	MP1C	X	30.568	2.25
125	MP1C	Z	-52.945	2.25
126	MP1C	Mx	.008	2.25
127	MP4A	X	27.678	2.25
128	MP4A	Z	-47.94	2.25
129	MP4A	Mx	.014	2.25
130	MP4B	X	16.927	2.25
131	MP4B	Z	-29.318	2.25
132	MP4B	Mx	-.017	2.25
133	MP4C	X	27.678	2.25
134	MP4C	Z	-47.94	2.25
135	MP4C	Mx	.014	2.25
136	MP3A	X	28.671	2.25
137	MP3A	Z	-49.659	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
138	MP3A	Mx	.014	2.25
139	MP3B	X	20.897	2.25
140	MP3B	Z	-36.195	2.25
141	MP3B	Mx	-.021	2.25
142	MP3C	X	28.671	2.25
143	MP3C	Z	-49.659	2.25
144	MP3C	Mx	.014	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	112.312	1.21
2	MP1A	Z	-64.843	1.21
3	MP1A	Mx	-.148	1.21
4	MP1A	X	112.312	4.7
5	MP1A	Z	-64.843	4.7
6	MP1A	Mx	-.148	4.7
7	MP1B	X	143.372	1.21
8	MP1B	Z	-82.776	1.21
9	MP1B	Mx	-.01	1.21
10	MP1B	X	143.372	4.7
11	MP1B	Z	-82.776	4.7
12	MP1B	Mx	-.01	4.7
13	MP1C	X	174.432	1.21
14	MP1C	Z	-100.708	1.21
15	MP1C	Mx	.242	1.21
16	MP1C	X	174.432	4.7
17	MP1C	Z	-100.708	4.7
18	MP1C	Mx	.242	4.7
19	MP1A	X	112.312	1.21
20	MP1A	Z	-64.843	1.21
21	MP1A	Mx	-.081	1.21
22	MP1A	X	112.312	4.7
23	MP1A	Z	-64.843	4.7
24	MP1A	Mx	-.081	4.7
25	MP1B	X	143.372	1.21
26	MP1B	Z	-82.776	1.21
27	MP1B	Mx	.224	1.21
28	MP1B	X	143.372	4.7
29	MP1B	Z	-82.776	4.7
30	MP1B	Mx	.224	4.7
31	MP1C	X	174.432	1.21
32	MP1C	Z	-100.708	1.21
33	MP1C	Mx	-.147	1.21
34	MP1C	X	174.432	4.7
35	MP1C	Z	-100.708	4.7
36	MP1C	Mx	-.147	4.7
37	MP4A	X	166.425	1.21
38	MP4A	Z	-96.086	1.21
39	MP4A	Mx	-.249	1.21
40	MP4A	X	166.425	4.7
41	MP4A	Z	-96.086	4.7
42	MP4A	Mx	-.249	4.7
43	MP4B	X	108.051	1.21
44	MP4B	Z	-62.384	1.21
45	MP4B	Mx	.125	1.21
46	MP4B	X	108.051	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	-62.384	4.7
48	MP4B	Mx	.125	4.7
49	MP4C	X	155.638	1.21
50	MP4C	Z	-89.858	1.21
51	MP4C	Mx	.053	1.21
52	MP4C	X	155.638	4.7
53	MP4C	Z	-89.858	4.7
54	MP4C	Mx	.053	4.7
55	MP4A	X	166.425	1.21
56	MP4A	Z	-96.086	1.21
57	MP4A	Mx	.1	1.21
58	MP4A	X	166.425	4.7
59	MP4A	Z	-96.086	4.7
60	MP4A	Mx	.1	4.7
61	MP4B	X	108.051	1.21
62	MP4B	Z	-62.384	1.21
63	MP4B	Mx	.103	1.21
64	MP4B	X	108.051	4.7
65	MP4B	Z	-62.384	4.7
66	MP4B	Mx	.103	4.7
67	MP4C	X	155.638	1.21
68	MP4C	Z	-89.858	1.21
69	MP4C	Mx	-.242	1.21
70	MP4C	X	155.638	4.7
71	MP4C	Z	-89.858	4.7
72	MP4C	Mx	-.242	4.7
73	MP3A	X	10.233	2.96
74	MP3A	Z	-5.908	2.96
75	MP3A	Mx	-.004	2.96
76	MP3B	X	10.233	2.96
77	MP3B	Z	-5.908	2.96
78	MP3B	Mx	.004	2.96
79	MP3C	X	25.771	2.96
80	MP3C	Z	-14.879	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	36.992	1.96
83	MP2A	Z	-21.357	1.96
84	MP2A	Mx	-.018	1.96
85	MP2A	X	36.992	3.96
86	MP2A	Z	-21.357	3.96
87	MP2A	Mx	-.018	3.96
88	MP2B	X	36.992	1.96
89	MP2B	Z	-21.357	1.96
90	MP2B	Mx	.018	1.96
91	MP2B	X	36.992	3.96
92	MP2B	Z	-21.357	3.96
93	MP2B	Mx	.018	3.96
94	MP2C	X	68.046	1.96
95	MP2C	Z	-39.286	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	68.046	3.96
98	MP2C	Z	-39.286	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	25.991	2.25
101	MP5A	Z	-15.006	2.25
102	MP5A	Mx	.01	2.25
103	MP5B	X	40.268	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP5B	Z	-23.249	2.25
105	MP5B	Mx	-.011	2.25
106	MP5C	X	54.545	2.25
107	MP5C	Z	-31.491	2.25
108	MP5C	Mx	-.005	2.25
109	MP2A	X	35.525	2.25
110	MP2A	Z	-20.51	2.25
111	MP2A	Mx	.018	2.25
112	MP2B	X	35.525	2.25
113	MP2B	Z	-20.51	2.25
114	MP2B	Mx	-.018	2.25
115	MP2C	X	54.147	2.25
116	MP2C	Z	-31.262	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	37.397	2.25
119	MP1A	Z	-21.591	2.25
120	MP1A	Mx	.021	2.25
121	MP1B	X	45.171	2.25
122	MP1B	Z	-26.08	2.25
123	MP1B	Mx	-.018	2.25
124	MP1C	X	52.945	2.25
125	MP1C	Z	-30.568	2.25
126	MP1C	Mx	-.008	2.25
127	MP4A	X	35.525	2.25
128	MP4A	Z	-20.51	2.25
129	MP4A	Mx	.018	2.25
130	MP4B	X	35.525	2.25
131	MP4B	Z	-20.51	2.25
132	MP4B	Mx	-.018	2.25
133	MP4C	X	54.147	2.25
134	MP4C	Z	-31.262	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	40.683	2.25
137	MP3A	Z	-23.488	2.25
138	MP3A	Mx	.02	2.25
139	MP3B	X	40.683	2.25
140	MP3B	Z	-23.488	2.25
141	MP3B	Mx	-.02	2.25
142	MP3C	X	54.147	2.25
143	MP3C	Z	-31.262	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	129.686	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.081	1.21
4	MP1A	X	129.686	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.081	4.7
7	MP1B	X	201.416	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.147	1.21
10	MP1B	X	201.416	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	-.147	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	165.551	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.224	1.21
16	MP1C	X	165.551	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.224	4.7
19	MP1A	X	129.686	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.148	1.21
22	MP1A	X	129.686	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.148	4.7
25	MP1B	X	201.416	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.242	1.21
28	MP1B	X	201.416	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.242	4.7
31	MP1C	X	165.551	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.01	1.21
34	MP1C	X	165.551	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.01	4.7
37	MP4A	X	151.387	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.201	1.21
40	MP4A	X	151.387	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.201	4.7
43	MP4B	X	138.931	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.057	1.21
46	MP4B	X	138.931	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.057	4.7
49	MP4C	X	206.335	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.189	1.21
52	MP4C	X	206.335	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	.189	4.7
55	MP4A	X	151.387	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.027	1.21
58	MP4A	X	151.387	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.027	4.7
61	MP4B	X	138.931	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.174	1.21
64	MP4B	X	138.931	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.174	4.7
67	MP4C	X	206.335	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.222	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4C	X	206.335	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.222	4.7
73	MP3A	X	5.836	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	-.002	2.96
76	MP3B	X	23.777	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	.005	2.96
79	MP3C	X	23.777	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	.005	2.96
82	MP2A	X	30.761	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	-.015	1.96
85	MP2A	X	30.761	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	-.015	3.96
88	MP2B	X	66.62	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	.017	1.96
91	MP2B	X	66.62	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	.017	3.96
94	MP2C	X	66.62	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	.017	1.96
97	MP2C	X	66.62	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	.017	3.96
100	MP5A	X	30.012	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	.01	2.25
103	MP5B	X	62.983	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	-.005	2.25
106	MP5C	X	46.497	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	-.011	2.25
109	MP2A	X	33.853	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	.017	2.25
112	MP2B	X	55.356	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	-.014	2.25
115	MP2C	X	55.356	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	-.014	2.25
118	MP1A	X	43.183	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	.021	2.25
121	MP1B	X	61.135	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	-.008	2.25
124	MP1C	X	52.159	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	-.018	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
127	MP4A	X	33.853	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.017	2.25
130	MP4B	X	55.356	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.014	2.25
133	MP4C	X	55.356	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.014	2.25
136	MP3A	X	41.794	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	.021	2.25
139	MP3B	X	57.342	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	-.014	2.25
142	MP3C	X	57.342	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	-.014	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	143.372	1.21
2	MP1A	Z	82.776	1.21
3	MP1A	Mx	.01	1.21
4	MP1A	X	143.372	4.7
5	MP1A	Z	82.776	4.7
6	MP1A	Mx	.01	4.7
7	MP1B	X	174.432	1.21
8	MP1B	Z	100.708	1.21
9	MP1B	Mx	-.242	1.21
10	MP1B	X	174.432	4.7
11	MP1B	Z	100.708	4.7
12	MP1B	Mx	-.242	4.7
13	MP1C	X	112.312	1.21
14	MP1C	Z	64.843	1.21
15	MP1C	Mx	.148	1.21
16	MP1C	X	112.312	4.7
17	MP1C	Z	64.843	4.7
18	MP1C	Mx	.148	4.7
19	MP1A	X	143.372	1.21
20	MP1A	Z	82.776	1.21
21	MP1A	Mx	-.224	1.21
22	MP1A	X	143.372	4.7
23	MP1A	Z	82.776	4.7
24	MP1A	Mx	-.224	4.7
25	MP1B	X	174.432	1.21
26	MP1B	Z	100.708	1.21
27	MP1B	Mx	.147	1.21
28	MP1B	X	174.432	4.7
29	MP1B	Z	100.708	4.7
30	MP1B	Mx	.147	4.7
31	MP1C	X	112.312	1.21
32	MP1C	Z	64.843	1.21
33	MP1C	Mx	.081	1.21
34	MP1C	X	112.312	4.7
35	MP1C	Z	64.843	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	.081	4.7
37	MP4A	X	108.051	1.21
38	MP4A	Z	62.384	1.21
39	MP4A	Mx	-.125	1.21
40	MP4A	X	108.051	4.7
41	MP4A	Z	62.384	4.7
42	MP4A	Mx	-.125	4.7
43	MP4B	X	155.638	1.21
44	MP4B	Z	89.858	1.21
45	MP4B	Mx	-.053	1.21
46	MP4B	X	155.638	4.7
47	MP4B	Z	89.858	4.7
48	MP4B	Mx	-.053	4.7
49	MP4C	X	166.425	1.21
50	MP4C	Z	96.086	1.21
51	MP4C	Mx	.249	1.21
52	MP4C	X	166.425	4.7
53	MP4C	Z	96.086	4.7
54	MP4C	Mx	.249	4.7
55	MP4A	X	108.051	1.21
56	MP4A	Z	62.384	1.21
57	MP4A	Mx	-.103	1.21
58	MP4A	X	108.051	4.7
59	MP4A	Z	62.384	4.7
60	MP4A	Mx	-.103	4.7
61	MP4B	X	155.638	1.21
62	MP4B	Z	89.858	1.21
63	MP4B	Mx	.242	1.21
64	MP4B	X	155.638	4.7
65	MP4B	Z	89.858	4.7
66	MP4B	Mx	.242	4.7
67	MP4C	X	166.425	1.21
68	MP4C	Z	96.086	1.21
69	MP4C	Mx	-.1	1.21
70	MP4C	X	166.425	4.7
71	MP4C	Z	96.086	4.7
72	MP4C	Mx	-.1	4.7
73	MP3A	X	10.233	2.96
74	MP3A	Z	5.908	2.96
75	MP3A	Mx	-.004	2.96
76	MP3B	X	25.771	2.96
77	MP3B	Z	14.879	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	10.233	2.96
80	MP3C	Z	5.908	2.96
81	MP3C	Mx	.004	2.96
82	MP2A	X	36.992	1.96
83	MP2A	Z	21.357	1.96
84	MP2A	Mx	-.018	1.96
85	MP2A	X	36.992	3.96
86	MP2A	Z	21.357	3.96
87	MP2A	Mx	-.018	3.96
88	MP2B	X	68.046	1.96
89	MP2B	Z	39.286	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	68.046	3.96
92	MP2B	Z	39.286	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP2B	Mx	0	3.96
94	MP2C	X	36.992	1.96
95	MP2C	Z	21.357	1.96
96	MP2C	Mx	.018	1.96
97	MP2C	X	36.992	3.96
98	MP2C	Z	21.357	3.96
99	MP2C	Mx	.018	3.96
100	MP5A	X	40.268	2.25
101	MP5A	Z	23.249	2.25
102	MP5A	Mx	.011	2.25
103	MP5B	X	54.545	2.25
104	MP5B	Z	31.491	2.25
105	MP5B	Mx	.005	2.25
106	MP5C	X	25.991	2.25
107	MP5C	Z	15.006	2.25
108	MP5C	Mx	-.01	2.25
109	MP2A	X	35.525	2.25
110	MP2A	Z	20.51	2.25
111	MP2A	Mx	.018	2.25
112	MP2B	X	54.147	2.25
113	MP2B	Z	31.262	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	35.525	2.25
116	MP2C	Z	20.51	2.25
117	MP2C	Mx	-.018	2.25
118	MP1A	X	45.171	2.25
119	MP1A	Z	26.08	2.25
120	MP1A	Mx	.018	2.25
121	MP1B	X	52.945	2.25
122	MP1B	Z	30.568	2.25
123	MP1B	Mx	.008	2.25
124	MP1C	X	37.397	2.25
125	MP1C	Z	21.591	2.25
126	MP1C	Mx	-.021	2.25
127	MP4A	X	35.525	2.25
128	MP4A	Z	20.51	2.25
129	MP4A	Mx	.018	2.25
130	MP4B	X	54.147	2.25
131	MP4B	Z	31.262	2.25
132	MP4B	Mx	0	2.25
133	MP4C	X	35.525	2.25
134	MP4C	Z	20.51	2.25
135	MP4C	Mx	-.018	2.25
136	MP3A	X	40.683	2.25
137	MP3A	Z	23.488	2.25
138	MP3A	Mx	.02	2.25
139	MP3B	X	54.147	2.25
140	MP3B	Z	31.262	2.25
141	MP3B	Mx	0	2.25
142	MP3C	X	40.683	2.25
143	MP3C	Z	23.488	2.25
144	MP3C	Mx	-.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	100.708	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	174.432	1.21
3	MP1A	Mx	.147	1.21
4	MP1A	X	100.708	4.7
5	MP1A	Z	174.432	4.7
6	MP1A	Mx	.147	4.7
7	MP1B	X	82.776	1.21
8	MP1B	Z	143.372	1.21
9	MP1B	Mx	-.224	1.21
10	MP1B	X	82.776	4.7
11	MP1B	Z	143.372	4.7
12	MP1B	Mx	-.224	4.7
13	MP1C	X	64.843	1.21
14	MP1C	Z	112.312	1.21
15	MP1C	Mx	.081	1.21
16	MP1C	X	64.843	4.7
17	MP1C	Z	112.312	4.7
18	MP1C	Mx	.081	4.7
19	MP1A	X	100.708	1.21
20	MP1A	Z	174.432	1.21
21	MP1A	Mx	-.242	1.21
22	MP1A	X	100.708	4.7
23	MP1A	Z	174.432	4.7
24	MP1A	Mx	-.242	4.7
25	MP1B	X	82.776	1.21
26	MP1B	Z	143.372	1.21
27	MP1B	Mx	.01	1.21
28	MP1B	X	82.776	4.7
29	MP1B	Z	143.372	4.7
30	MP1B	Mx	.01	4.7
31	MP1C	X	64.843	1.21
32	MP1C	Z	112.312	1.21
33	MP1C	Mx	.148	1.21
34	MP1C	X	64.843	4.7
35	MP1C	Z	112.312	4.7
36	MP1C	Mx	.148	4.7
37	MP4A	X	69.466	1.21
38	MP4A	Z	120.318	1.21
39	MP4A	Mx	-.057	1.21
40	MP4A	X	69.466	4.7
41	MP4A	Z	120.318	4.7
42	MP4A	Mx	-.057	4.7
43	MP4B	X	103.168	1.21
44	MP4B	Z	178.692	1.21
45	MP4B	Mx	-.189	1.21
46	MP4B	X	103.168	4.7
47	MP4B	Z	178.692	4.7
48	MP4B	Mx	-.189	4.7
49	MP4C	X	75.694	1.21
50	MP4C	Z	131.105	1.21
51	MP4C	Mx	.201	1.21
52	MP4C	X	75.694	4.7
53	MP4C	Z	131.105	4.7
54	MP4C	Mx	.201	4.7
55	MP4A	X	69.466	1.21
56	MP4A	Z	120.318	1.21
57	MP4A	Mx	-.174	1.21
58	MP4A	X	69.466	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4A	Z	120.318	4.7
60	MP4A	Mx	-.174	4.7
61	MP4B	X	103.168	1.21
62	MP4B	Z	178.692	1.21
63	MP4B	Mx	.222	1.21
64	MP4B	X	103.168	4.7
65	MP4B	Z	178.692	4.7
66	MP4B	Mx	.222	4.7
67	MP4C	X	75.694	1.21
68	MP4C	Z	131.105	1.21
69	MP4C	Mx	.027	1.21
70	MP4C	X	75.694	4.7
71	MP4C	Z	131.105	4.7
72	MP4C	Mx	.027	4.7
73	MP3A	X	11.888	2.96
74	MP3A	Z	20.591	2.96
75	MP3A	Mx	-.005	2.96
76	MP3B	X	11.888	2.96
77	MP3B	Z	20.591	2.96
78	MP3B	Mx	-.005	2.96
79	MP3C	X	2.918	2.96
80	MP3C	Z	5.054	2.96
81	MP3C	Mx	.002	2.96
82	MP2A	X	33.31	1.96
83	MP2A	Z	57.695	1.96
84	MP2A	Mx	-.017	1.96
85	MP2A	X	33.31	3.96
86	MP2A	Z	57.695	3.96
87	MP2A	Mx	-.017	3.96
88	MP2B	X	33.31	1.96
89	MP2B	Z	57.695	1.96
90	MP2B	Mx	-.017	1.96
91	MP2B	X	33.31	3.96
92	MP2B	Z	57.695	3.96
93	MP2B	Mx	-.017	3.96
94	MP2C	X	15.381	1.96
95	MP2C	Z	26.64	1.96
96	MP2C	Mx	.015	1.96
97	MP2C	X	15.381	3.96
98	MP2C	Z	26.64	3.96
99	MP2C	Mx	.015	3.96
100	MP5A	X	31.491	2.25
101	MP5A	Z	54.545	2.25
102	MP5A	Mx	.005	2.25
103	MP5B	X	23.249	2.25
104	MP5B	Z	40.268	2.25
105	MP5B	Mx	.011	2.25
106	MP5C	X	15.006	2.25
107	MP5C	Z	25.991	2.25
108	MP5C	Mx	-.01	2.25
109	MP2A	X	27.678	2.25
110	MP2A	Z	47.94	2.25
111	MP2A	Mx	.014	2.25
112	MP2B	X	27.678	2.25
113	MP2B	Z	47.94	2.25
114	MP2B	Mx	.014	2.25
115	MP2C	X	16.927	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP2C	Z	29.318	2.25
117	MP2C	Mx	-.017	2.25
118	MP1A	X	30.568	2.25
119	MP1A	Z	52.945	2.25
120	MP1A	Mx	.008	2.25
121	MP1B	X	26.08	2.25
122	MP1B	Z	45.171	2.25
123	MP1B	Mx	.018	2.25
124	MP1C	X	21.591	2.25
125	MP1C	Z	37.397	2.25
126	MP1C	Mx	-.021	2.25
127	MP4A	X	27.678	2.25
128	MP4A	Z	47.94	2.25
129	MP4A	Mx	.014	2.25
130	MP4B	X	27.678	2.25
131	MP4B	Z	47.94	2.25
132	MP4B	Mx	.014	2.25
133	MP4C	X	16.927	2.25
134	MP4C	Z	29.318	2.25
135	MP4C	Mx	-.017	2.25
136	MP3A	X	28.671	2.25
137	MP3A	Z	49.659	2.25
138	MP3A	Mx	.014	2.25
139	MP3B	X	28.671	2.25
140	MP3B	Z	49.659	2.25
141	MP3B	Mx	.014	2.25
142	MP3C	X	20.897	2.25
143	MP3C	Z	36.195	2.25
144	MP3C	Mx	-.021	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	201.416	1.21
3	MP1A	Mx	.242	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	201.416	4.7
6	MP1A	Mx	.242	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	129.686	1.21
9	MP1B	Mx	-.148	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	129.686	4.7
12	MP1B	Mx	-.148	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	165.551	1.21
15	MP1C	Mx	-.01	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	165.551	4.7
18	MP1C	Mx	-.01	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	201.416	1.21
21	MP1A	Mx	-.147	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	201.416	4.7
24	MP1A	Mx	-.147	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	X	0	1.21
26	MP1B	Z	129.686	1.21
27	MP1B	Mx	-.081	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	129.686	4.7
30	MP1B	Mx	-.081	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	165.551	1.21
33	MP1C	Mx	.224	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	165.551	4.7
36	MP1C	Mx	.224	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	179.715	1.21
39	MP4A	Mx	.053	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	179.715	4.7
42	MP4A	Mx	.053	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	192.171	1.21
45	MP4B	Mx	-.249	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	192.171	4.7
48	MP4B	Mx	-.249	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	124.767	1.21
51	MP4C	Mx	.125	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	124.767	4.7
54	MP4C	Mx	.125	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	179.715	1.21
57	MP4A	Mx	-.242	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	179.715	4.7
60	MP4A	Mx	-.242	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	192.171	1.21
63	MP4B	Mx	.1	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	192.171	4.7
66	MP4B	Mx	.1	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	124.767	1.21
69	MP4C	Mx	.103	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	124.767	4.7
72	MP4C	Mx	.103	4.7
73	MP3A	X	0	2.96
74	MP3A	Z	29.757	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	11.816	2.96
78	MP3B	Mx	-.004	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	11.816	2.96
81	MP3C	Mx	.004	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	0	1.96
83	MP2A	Z	78.573	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	78.573	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	42.714	1.96
90	MP2B	Mx	-.018	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	42.714	3.96
93	MP2B	Mx	-.018	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	42.714	1.96
96	MP2C	Mx	.018	1.96
97	MP2C	X	0	3.96
98	MP2C	Z	42.714	3.96
99	MP2C	Mx	.018	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	62.983	2.25
102	MP5A	Mx	-.005	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	30.012	2.25
105	MP5B	Mx	.01	2.25
106	MP5C	X	0	2.25
107	MP5C	Z	46.497	2.25
108	MP5C	Mx	-.011	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	62.524	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	41.021	2.25
114	MP2B	Mx	.018	2.25
115	MP2C	X	0	2.25
116	MP2C	Z	41.021	2.25
117	MP2C	Mx	-.018	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	61.135	2.25
120	MP1A	Mx	-.008	2.25
121	MP1B	X	0	2.25
122	MP1B	Z	43.183	2.25
123	MP1B	Mx	.021	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	52.159	2.25
126	MP1C	Mx	-.018	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	62.524	2.25
129	MP4A	Mx	0	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	41.021	2.25
132	MP4B	Mx	.018	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	41.021	2.25
135	MP4C	Mx	-.018	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	62.524	2.25
138	MP3A	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
139	MP3B	X	0	2.25
140	MP3B	Z	46.977	2.25
141	MP3B	Mx	.02	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	46.977	2.25
144	MP3C	Mx	-.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-82.776	1.21
2	MP1A	Z	143.372	1.21
3	MP1A	Mx	.224	1.21
4	MP1A	X	-82.776	4.7
5	MP1A	Z	143.372	4.7
6	MP1A	Mx	.224	4.7
7	MP1B	X	-64.843	1.21
8	MP1B	Z	112.312	1.21
9	MP1B	Mx	-.081	1.21
10	MP1B	X	-64.843	4.7
11	MP1B	Z	112.312	4.7
12	MP1B	Mx	-.081	4.7
13	MP1C	X	-100.708	1.21
14	MP1C	Z	174.432	1.21
15	MP1C	Mx	-.147	1.21
16	MP1C	X	-100.708	4.7
17	MP1C	Z	174.432	4.7
18	MP1C	Mx	-.147	4.7
19	MP1A	X	-82.776	1.21
20	MP1A	Z	143.372	1.21
21	MP1A	Mx	-.01	1.21
22	MP1A	X	-82.776	4.7
23	MP1A	Z	143.372	4.7
24	MP1A	Mx	-.01	4.7
25	MP1B	X	-64.843	1.21
26	MP1B	Z	112.312	1.21
27	MP1B	Mx	-.148	1.21
28	MP1B	X	-64.843	4.7
29	MP1B	Z	112.312	4.7
30	MP1B	Mx	-.148	4.7
31	MP1C	X	-100.708	1.21
32	MP1C	Z	174.432	1.21
33	MP1C	Mx	.242	1.21
34	MP1C	X	-100.708	4.7
35	MP1C	Z	174.432	4.7
36	MP1C	Mx	.242	4.7
37	MP4A	X	-103.168	1.21
38	MP4A	Z	178.692	1.21
39	MP4A	Mx	.189	1.21
40	MP4A	X	-103.168	4.7
41	MP4A	Z	178.692	4.7
42	MP4A	Mx	.189	4.7
43	MP4B	X	-75.694	1.21
44	MP4B	Z	131.105	1.21
45	MP4B	Mx	-.201	1.21
46	MP4B	X	-75.694	4.7
47	MP4B	Z	131.105	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	-.201	4.7
49	MP4C	X	-69.466	1.21
50	MP4C	Z	120.318	1.21
51	MP4C	Mx	.057	1.21
52	MP4C	X	-69.466	4.7
53	MP4C	Z	120.318	4.7
54	MP4C	Mx	.057	4.7
55	MP4A	X	-103.168	1.21
56	MP4A	Z	178.692	1.21
57	MP4A	Mx	-.222	1.21
58	MP4A	X	-103.168	4.7
59	MP4A	Z	178.692	4.7
60	MP4A	Mx	-.222	4.7
61	MP4B	X	-75.694	1.21
62	MP4B	Z	131.105	1.21
63	MP4B	Mx	-.027	1.21
64	MP4B	X	-75.694	4.7
65	MP4B	Z	131.105	4.7
66	MP4B	Mx	-.027	4.7
67	MP4C	X	-69.466	1.21
68	MP4C	Z	120.318	1.21
69	MP4C	Mx	.174	1.21
70	MP4C	X	-69.466	4.7
71	MP4C	Z	120.318	4.7
72	MP4C	Mx	.174	4.7
73	MP3A	X	-11.888	2.96
74	MP3A	Z	20.591	2.96
75	MP3A	Mx	.005	2.96
76	MP3B	X	-2.918	2.96
77	MP3B	Z	5.054	2.96
78	MP3B	Mx	-.002	2.96
79	MP3C	X	-11.888	2.96
80	MP3C	Z	20.591	2.96
81	MP3C	Mx	.005	2.96
82	MP2A	X	-33.31	1.96
83	MP2A	Z	57.695	1.96
84	MP2A	Mx	.017	1.96
85	MP2A	X	-33.31	3.96
86	MP2A	Z	57.695	3.96
87	MP2A	Mx	.017	3.96
88	MP2B	X	-15.381	1.96
89	MP2B	Z	26.64	1.96
90	MP2B	Mx	-.015	1.96
91	MP2B	X	-15.381	3.96
92	MP2B	Z	26.64	3.96
93	MP2B	Mx	-.015	3.96
94	MP2C	X	-33.31	1.96
95	MP2C	Z	57.695	1.96
96	MP2C	Mx	.017	1.96
97	MP2C	X	-33.31	3.96
98	MP2C	Z	57.695	3.96
99	MP2C	Mx	.017	3.96
100	MP5A	X	-23.249	2.25
101	MP5A	Z	40.268	2.25
102	MP5A	Mx	-.011	2.25
103	MP5B	X	-15.006	2.25
104	MP5B	Z	25.991	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5B	Mx	.01	2.25
106	MP5C	X	-31.491	2.25
107	MP5C	Z	54.545	2.25
108	MP5C	Mx	-.005	2.25
109	MP2A	X	-27.678	2.25
110	MP2A	Z	47.94	2.25
111	MP2A	Mx	-.014	2.25
112	MP2B	X	-16.927	2.25
113	MP2B	Z	29.318	2.25
114	MP2B	Mx	.017	2.25
115	MP2C	X	-27.678	2.25
116	MP2C	Z	47.94	2.25
117	MP2C	Mx	-.014	2.25
118	MP1A	X	-26.08	2.25
119	MP1A	Z	45.171	2.25
120	MP1A	Mx	-.018	2.25
121	MP1B	X	-21.591	2.25
122	MP1B	Z	37.397	2.25
123	MP1B	Mx	.021	2.25
124	MP1C	X	-30.568	2.25
125	MP1C	Z	52.945	2.25
126	MP1C	Mx	-.008	2.25
127	MP4A	X	-27.678	2.25
128	MP4A	Z	47.94	2.25
129	MP4A	Mx	-.014	2.25
130	MP4B	X	-16.927	2.25
131	MP4B	Z	29.318	2.25
132	MP4B	Mx	.017	2.25
133	MP4C	X	-27.678	2.25
134	MP4C	Z	47.94	2.25
135	MP4C	Mx	-.014	2.25
136	MP3A	X	-28.671	2.25
137	MP3A	Z	49.659	2.25
138	MP3A	Mx	-.014	2.25
139	MP3B	X	-20.897	2.25
140	MP3B	Z	36.195	2.25
141	MP3B	Mx	.021	2.25
142	MP3C	X	-28.671	2.25
143	MP3C	Z	49.659	2.25
144	MP3C	Mx	-.014	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-112.312	1.21
2	MP1A	Z	64.843	1.21
3	MP1A	Mx	.148	1.21
4	MP1A	X	-112.312	4.7
5	MP1A	Z	64.843	4.7
6	MP1A	Mx	.148	4.7
7	MP1B	X	-143.372	1.21
8	MP1B	Z	82.776	1.21
9	MP1B	Mx	.01	1.21
10	MP1B	X	-143.372	4.7
11	MP1B	Z	82.776	4.7
12	MP1B	Mx	.01	4.7
13	MP1C	X	-174.432	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	Z	100.708	1.21
15	MP1C	Mx	-.242	1.21
16	MP1C	X	-174.432	4.7
17	MP1C	Z	100.708	4.7
18	MP1C	Mx	-.242	4.7
19	MP1A	X	-112.312	1.21
20	MP1A	Z	64.843	1.21
21	MP1A	Mx	.081	1.21
22	MP1A	X	-112.312	4.7
23	MP1A	Z	64.843	4.7
24	MP1A	Mx	.081	4.7
25	MP1B	X	-143.372	1.21
26	MP1B	Z	82.776	1.21
27	MP1B	Mx	-.224	1.21
28	MP1B	X	-143.372	4.7
29	MP1B	Z	82.776	4.7
30	MP1B	Mx	-.224	4.7
31	MP1C	X	-174.432	1.21
32	MP1C	Z	100.708	1.21
33	MP1C	Mx	.147	1.21
34	MP1C	X	-174.432	4.7
35	MP1C	Z	100.708	4.7
36	MP1C	Mx	.147	4.7
37	MP4A	X	-166.425	1.21
38	MP4A	Z	96.086	1.21
39	MP4A	Mx	.249	1.21
40	MP4A	X	-166.425	4.7
41	MP4A	Z	96.086	4.7
42	MP4A	Mx	.249	4.7
43	MP4B	X	-108.051	1.21
44	MP4B	Z	62.384	1.21
45	MP4B	Mx	-.125	1.21
46	MP4B	X	-108.051	4.7
47	MP4B	Z	62.384	4.7
48	MP4B	Mx	-.125	4.7
49	MP4C	X	-155.638	1.21
50	MP4C	Z	89.858	1.21
51	MP4C	Mx	-.053	1.21
52	MP4C	X	-155.638	4.7
53	MP4C	Z	89.858	4.7
54	MP4C	Mx	-.053	4.7
55	MP4A	X	-166.425	1.21
56	MP4A	Z	96.086	1.21
57	MP4A	Mx	-.1	1.21
58	MP4A	X	-166.425	4.7
59	MP4A	Z	96.086	4.7
60	MP4A	Mx	-.1	4.7
61	MP4B	X	-108.051	1.21
62	MP4B	Z	62.384	1.21
63	MP4B	Mx	-.103	1.21
64	MP4B	X	-108.051	4.7
65	MP4B	Z	62.384	4.7
66	MP4B	Mx	-.103	4.7
67	MP4C	X	-155.638	1.21
68	MP4C	Z	89.858	1.21
69	MP4C	Mx	.242	1.21
70	MP4C	X	-155.638	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4C	Z	89.858	4.7
72	MP4C	Mx	.242	4.7
73	MP3A	X	-10.233	2.96
74	MP3A	Z	5.908	2.96
75	MP3A	Mx	.004	2.96
76	MP3B	X	-10.233	2.96
77	MP3B	Z	5.908	2.96
78	MP3B	Mx	-.004	2.96
79	MP3C	X	-25.771	2.96
80	MP3C	Z	14.879	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	-36.992	1.96
83	MP2A	Z	21.357	1.96
84	MP2A	Mx	.018	1.96
85	MP2A	X	-36.992	3.96
86	MP2A	Z	21.357	3.96
87	MP2A	Mx	.018	3.96
88	MP2B	X	-36.992	1.96
89	MP2B	Z	21.357	1.96
90	MP2B	Mx	-.018	1.96
91	MP2B	X	-36.992	3.96
92	MP2B	Z	21.357	3.96
93	MP2B	Mx	-.018	3.96
94	MP2C	X	-68.046	1.96
95	MP2C	Z	39.286	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	-68.046	3.96
98	MP2C	Z	39.286	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	-25.991	2.25
101	MP5A	Z	15.006	2.25
102	MP5A	Mx	-.01	2.25
103	MP5B	X	-40.268	2.25
104	MP5B	Z	23.249	2.25
105	MP5B	Mx	.011	2.25
106	MP5C	X	-54.545	2.25
107	MP5C	Z	31.491	2.25
108	MP5C	Mx	.005	2.25
109	MP2A	X	-35.525	2.25
110	MP2A	Z	20.51	2.25
111	MP2A	Mx	-.018	2.25
112	MP2B	X	-35.525	2.25
113	MP2B	Z	20.51	2.25
114	MP2B	Mx	.018	2.25
115	MP2C	X	-54.147	2.25
116	MP2C	Z	31.262	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	-37.397	2.25
119	MP1A	Z	21.591	2.25
120	MP1A	Mx	-.021	2.25
121	MP1B	X	-45.171	2.25
122	MP1B	Z	26.08	2.25
123	MP1B	Mx	.018	2.25
124	MP1C	X	-52.945	2.25
125	MP1C	Z	30.568	2.25
126	MP1C	Mx	.008	2.25
127	MP4A	X	-35.525	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
128	MP4A	Z	20.51	2.25
129	MP4A	Mx	-.018	2.25
130	MP4B	X	-35.525	2.25
131	MP4B	Z	20.51	2.25
132	MP4B	Mx	.018	2.25
133	MP4C	X	-54.147	2.25
134	MP4C	Z	31.262	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	-40.683	2.25
137	MP3A	Z	23.488	2.25
138	MP3A	Mx	-.02	2.25
139	MP3B	X	-40.683	2.25
140	MP3B	Z	23.488	2.25
141	MP3B	Mx	.02	2.25
142	MP3C	X	-54.147	2.25
143	MP3C	Z	31.262	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-129.686	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.081	1.21
4	MP1A	X	-129.686	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.081	4.7
7	MP1B	X	-201.416	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.147	1.21
10	MP1B	X	-201.416	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.147	4.7
13	MP1C	X	-165.551	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.224	1.21
16	MP1C	X	-165.551	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.224	4.7
19	MP1A	X	-129.686	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.148	1.21
22	MP1A	X	-129.686	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.148	4.7
25	MP1B	X	-201.416	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.242	1.21
28	MP1B	X	-201.416	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.242	4.7
31	MP1C	X	-165.551	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	.01	1.21
34	MP1C	X	-165.551	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.01	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	-151.387	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.201	1.21
40	MP4A	X	-151.387	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.201	4.7
43	MP4B	X	-138.931	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.057	1.21
46	MP4B	X	-138.931	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.057	4.7
49	MP4C	X	-206.335	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.189	1.21
52	MP4C	X	-206.335	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.189	4.7
55	MP4A	X	-151.387	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.027	1.21
58	MP4A	X	-151.387	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.027	4.7
61	MP4B	X	-138.931	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.174	1.21
64	MP4B	X	-138.931	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.174	4.7
67	MP4C	X	-206.335	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.222	1.21
70	MP4C	X	-206.335	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	.222	4.7
73	MP3A	X	-5.836	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	.002	2.96
76	MP3B	X	-23.777	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	-.005	2.96
79	MP3C	X	-23.777	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	-.005	2.96
82	MP2A	X	-30.761	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	.015	1.96
85	MP2A	X	-30.761	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	.015	3.96
88	MP2B	X	-66.62	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	-.017	1.96
91	MP2B	X	-66.62	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	-.017	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2C	X	-66.62	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	-.017	1.96
97	MP2C	X	-66.62	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	-.017	3.96
100	MP5A	X	-30.012	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	-.01	2.25
103	MP5B	X	-62.983	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	.005	2.25
106	MP5C	X	-46.497	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	.011	2.25
109	MP2A	X	-33.853	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	-.017	2.25
112	MP2B	X	-55.356	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	.014	2.25
115	MP2C	X	-55.356	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	.014	2.25
118	MP1A	X	-43.183	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	-.021	2.25
121	MP1B	X	-61.135	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	.008	2.25
124	MP1C	X	-52.159	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	.018	2.25
127	MP4A	X	-33.853	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.017	2.25
130	MP4B	X	-55.356	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	.014	2.25
133	MP4C	X	-55.356	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.014	2.25
136	MP3A	X	-41.794	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	-.021	2.25
139	MP3B	X	-57.342	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	.014	2.25
142	MP3C	X	-57.342	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	.014	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-143.372	1.21
2	MP1A	Z	-82.776	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	-.01	1.21
4	MP1A	X	-143.372	4.7
5	MP1A	Z	-82.776	4.7
6	MP1A	Mx	-.01	4.7
7	MP1B	X	-174.432	1.21
8	MP1B	Z	-100.708	1.21
9	MP1B	Mx	.242	1.21
10	MP1B	X	-174.432	4.7
11	MP1B	Z	-100.708	4.7
12	MP1B	Mx	.242	4.7
13	MP1C	X	-112.312	1.21
14	MP1C	Z	-64.843	1.21
15	MP1C	Mx	-.148	1.21
16	MP1C	X	-112.312	4.7
17	MP1C	Z	-64.843	4.7
18	MP1C	Mx	-.148	4.7
19	MP1A	X	-143.372	1.21
20	MP1A	Z	-82.776	1.21
21	MP1A	Mx	.224	1.21
22	MP1A	X	-143.372	4.7
23	MP1A	Z	-82.776	4.7
24	MP1A	Mx	.224	4.7
25	MP1B	X	-174.432	1.21
26	MP1B	Z	-100.708	1.21
27	MP1B	Mx	-.147	1.21
28	MP1B	X	-174.432	4.7
29	MP1B	Z	-100.708	4.7
30	MP1B	Mx	-.147	4.7
31	MP1C	X	-112.312	1.21
32	MP1C	Z	-64.843	1.21
33	MP1C	Mx	-.081	1.21
34	MP1C	X	-112.312	4.7
35	MP1C	Z	-64.843	4.7
36	MP1C	Mx	-.081	4.7
37	MP4A	X	-108.051	1.21
38	MP4A	Z	-62.384	1.21
39	MP4A	Mx	.125	1.21
40	MP4A	X	-108.051	4.7
41	MP4A	Z	-62.384	4.7
42	MP4A	Mx	.125	4.7
43	MP4B	X	-155.638	1.21
44	MP4B	Z	-89.858	1.21
45	MP4B	Mx	.053	1.21
46	MP4B	X	-155.638	4.7
47	MP4B	Z	-89.858	4.7
48	MP4B	Mx	.053	4.7
49	MP4C	X	-166.425	1.21
50	MP4C	Z	-96.086	1.21
51	MP4C	Mx	-.249	1.21
52	MP4C	X	-166.425	4.7
53	MP4C	Z	-96.086	4.7
54	MP4C	Mx	-.249	4.7
55	MP4A	X	-108.051	1.21
56	MP4A	Z	-62.384	1.21
57	MP4A	Mx	.103	1.21
58	MP4A	X	-108.051	4.7
59	MP4A	Z	-62.384	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4A	Mx	.103	4.7
61	MP4B	X	-155.638	1.21
62	MP4B	Z	-89.858	1.21
63	MP4B	Mx	-.242	1.21
64	MP4B	X	-155.638	4.7
65	MP4B	Z	-89.858	4.7
66	MP4B	Mx	-.242	4.7
67	MP4C	X	-166.425	1.21
68	MP4C	Z	-96.086	1.21
69	MP4C	Mx	.1	1.21
70	MP4C	X	-166.425	4.7
71	MP4C	Z	-96.086	4.7
72	MP4C	Mx	.1	4.7
73	MP3A	X	-10.233	2.96
74	MP3A	Z	-5.908	2.96
75	MP3A	Mx	.004	2.96
76	MP3B	X	-25.771	2.96
77	MP3B	Z	-14.879	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	-10.233	2.96
80	MP3C	Z	-5.908	2.96
81	MP3C	Mx	-.004	2.96
82	MP2A	X	-36.992	1.96
83	MP2A	Z	-21.357	1.96
84	MP2A	Mx	.018	1.96
85	MP2A	X	-36.992	3.96
86	MP2A	Z	-21.357	3.96
87	MP2A	Mx	.018	3.96
88	MP2B	X	-68.046	1.96
89	MP2B	Z	-39.286	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	-68.046	3.96
92	MP2B	Z	-39.286	3.96
93	MP2B	Mx	0	3.96
94	MP2C	X	-36.992	1.96
95	MP2C	Z	-21.357	1.96
96	MP2C	Mx	-.018	1.96
97	MP2C	X	-36.992	3.96
98	MP2C	Z	-21.357	3.96
99	MP2C	Mx	-.018	3.96
100	MP5A	X	-40.268	2.25
101	MP5A	Z	-23.249	2.25
102	MP5A	Mx	-.011	2.25
103	MP5B	X	-54.545	2.25
104	MP5B	Z	-31.491	2.25
105	MP5B	Mx	-.005	2.25
106	MP5C	X	-25.991	2.25
107	MP5C	Z	-15.006	2.25
108	MP5C	Mx	.01	2.25
109	MP2A	X	-35.525	2.25
110	MP2A	Z	-20.51	2.25
111	MP2A	Mx	-.018	2.25
112	MP2B	X	-54.147	2.25
113	MP2B	Z	-31.262	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	-35.525	2.25
116	MP2C	Z	-20.51	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP2C	Mx	.018	2.25
118	MP1A	X	-45.171	2.25
119	MP1A	Z	-26.08	2.25
120	MP1A	Mx	-.018	2.25
121	MP1B	X	-52.945	2.25
122	MP1B	Z	-30.568	2.25
123	MP1B	Mx	-.008	2.25
124	MP1C	X	-37.397	2.25
125	MP1C	Z	-21.591	2.25
126	MP1C	Mx	.021	2.25
127	MP4A	X	-35.525	2.25
128	MP4A	Z	-20.51	2.25
129	MP4A	Mx	-.018	2.25
130	MP4B	X	-54.147	2.25
131	MP4B	Z	-31.262	2.25
132	MP4B	Mx	0	2.25
133	MP4C	X	-35.525	2.25
134	MP4C	Z	-20.51	2.25
135	MP4C	Mx	.018	2.25
136	MP3A	X	-40.683	2.25
137	MP3A	Z	-23.488	2.25
138	MP3A	Mx	-.02	2.25
139	MP3B	X	-54.147	2.25
140	MP3B	Z	-31.262	2.25
141	MP3B	Mx	0	2.25
142	MP3C	X	-40.683	2.25
143	MP3C	Z	-23.488	2.25
144	MP3C	Mx	.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-100.708	1.21
2	MP1A	Z	-174.432	1.21
3	MP1A	Mx	-.147	1.21
4	MP1A	X	-100.708	4.7
5	MP1A	Z	-174.432	4.7
6	MP1A	Mx	-.147	4.7
7	MP1B	X	-82.776	1.21
8	MP1B	Z	-143.372	1.21
9	MP1B	Mx	.224	1.21
10	MP1B	X	-82.776	4.7
11	MP1B	Z	-143.372	4.7
12	MP1B	Mx	.224	4.7
13	MP1C	X	-64.843	1.21
14	MP1C	Z	-112.312	1.21
15	MP1C	Mx	-.081	1.21
16	MP1C	X	-64.843	4.7
17	MP1C	Z	-112.312	4.7
18	MP1C	Mx	-.081	4.7
19	MP1A	X	-100.708	1.21
20	MP1A	Z	-174.432	1.21
21	MP1A	Mx	.242	1.21
22	MP1A	X	-100.708	4.7
23	MP1A	Z	-174.432	4.7
24	MP1A	Mx	.242	4.7
25	MP1B	X	-82.776	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1B	Z	-143.372	1.21
27	MP1B	Mx	-.01	1.21
28	MP1B	X	-82.776	4.7
29	MP1B	Z	-143.372	4.7
30	MP1B	Mx	-.01	4.7
31	MP1C	X	-64.843	1.21
32	MP1C	Z	-112.312	1.21
33	MP1C	Mx	-.148	1.21
34	MP1C	X	-64.843	4.7
35	MP1C	Z	-112.312	4.7
36	MP1C	Mx	-.148	4.7
37	MP4A	X	-69.466	1.21
38	MP4A	Z	-120.318	1.21
39	MP4A	Mx	.057	1.21
40	MP4A	X	-69.466	4.7
41	MP4A	Z	-120.318	4.7
42	MP4A	Mx	.057	4.7
43	MP4B	X	-103.168	1.21
44	MP4B	Z	-178.692	1.21
45	MP4B	Mx	.189	1.21
46	MP4B	X	-103.168	4.7
47	MP4B	Z	-178.692	4.7
48	MP4B	Mx	.189	4.7
49	MP4C	X	-75.694	1.21
50	MP4C	Z	-131.105	1.21
51	MP4C	Mx	-.201	1.21
52	MP4C	X	-75.694	4.7
53	MP4C	Z	-131.105	4.7
54	MP4C	Mx	-.201	4.7
55	MP4A	X	-69.466	1.21
56	MP4A	Z	-120.318	1.21
57	MP4A	Mx	.174	1.21
58	MP4A	X	-69.466	4.7
59	MP4A	Z	-120.318	4.7
60	MP4A	Mx	.174	4.7
61	MP4B	X	-103.168	1.21
62	MP4B	Z	-178.692	1.21
63	MP4B	Mx	-.222	1.21
64	MP4B	X	-103.168	4.7
65	MP4B	Z	-178.692	4.7
66	MP4B	Mx	-.222	4.7
67	MP4C	X	-75.694	1.21
68	MP4C	Z	-131.105	1.21
69	MP4C	Mx	-.027	1.21
70	MP4C	X	-75.694	4.7
71	MP4C	Z	-131.105	4.7
72	MP4C	Mx	-.027	4.7
73	MP3A	X	-11.888	2.96
74	MP3A	Z	-20.591	2.96
75	MP3A	Mx	.005	2.96
76	MP3B	X	-11.888	2.96
77	MP3B	Z	-20.591	2.96
78	MP3B	Mx	.005	2.96
79	MP3C	X	-2.918	2.96
80	MP3C	Z	-5.054	2.96
81	MP3C	Mx	-.002	2.96
82	MP2A	X	-33.31	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	-57.695	1.96
84	MP2A	Mx	.017	1.96
85	MP2A	X	-33.31	3.96
86	MP2A	Z	-57.695	3.96
87	MP2A	Mx	.017	3.96
88	MP2B	X	-33.31	1.96
89	MP2B	Z	-57.695	1.96
90	MP2B	Mx	.017	1.96
91	MP2B	X	-33.31	3.96
92	MP2B	Z	-57.695	3.96
93	MP2B	Mx	.017	3.96
94	MP2C	X	-15.381	1.96
95	MP2C	Z	-26.64	1.96
96	MP2C	Mx	-.015	1.96
97	MP2C	X	-15.381	3.96
98	MP2C	Z	-26.64	3.96
99	MP2C	Mx	-.015	3.96
100	MP5A	X	-31.491	2.25
101	MP5A	Z	-54.545	2.25
102	MP5A	Mx	-.005	2.25
103	MP5B	X	-23.249	2.25
104	MP5B	Z	-40.268	2.25
105	MP5B	Mx	-.011	2.25
106	MP5C	X	-15.006	2.25
107	MP5C	Z	-25.991	2.25
108	MP5C	Mx	.01	2.25
109	MP2A	X	-27.678	2.25
110	MP2A	Z	-47.94	2.25
111	MP2A	Mx	-.014	2.25
112	MP2B	X	-27.678	2.25
113	MP2B	Z	-47.94	2.25
114	MP2B	Mx	-.014	2.25
115	MP2C	X	-16.927	2.25
116	MP2C	Z	-29.318	2.25
117	MP2C	Mx	.017	2.25
118	MP1A	X	-30.568	2.25
119	MP1A	Z	-52.945	2.25
120	MP1A	Mx	-.008	2.25
121	MP1B	X	-26.08	2.25
122	MP1B	Z	-45.171	2.25
123	MP1B	Mx	-.018	2.25
124	MP1C	X	-21.591	2.25
125	MP1C	Z	-37.397	2.25
126	MP1C	Mx	.021	2.25
127	MP4A	X	-27.678	2.25
128	MP4A	Z	-47.94	2.25
129	MP4A	Mx	-.014	2.25
130	MP4B	X	-27.678	2.25
131	MP4B	Z	-47.94	2.25
132	MP4B	Mx	-.014	2.25
133	MP4C	X	-16.927	2.25
134	MP4C	Z	-29.318	2.25
135	MP4C	Mx	.017	2.25
136	MP3A	X	-28.671	2.25
137	MP3A	Z	-49.659	2.25
138	MP3A	Mx	-.014	2.25
139	MP3B	X	-28.671	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
140	MP3B	Z	-49.659	2.25
141	MP3B	Mx	-.014	2.25
142	MP3C	X	-20.897	2.25
143	MP3C	Z	-36.195	2.25
144	MP3C	Mx	.021	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	-39.725	1.21
3	MP1A	Mx	-.048	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-39.725	4.7
6	MP1A	Mx	-.048	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-26.214	1.21
9	MP1B	Mx	.03	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-26.214	4.7
12	MP1B	Mx	.03	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	-32.97	1.21
15	MP1C	Mx	.002	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-32.97	4.7
18	MP1C	Mx	.002	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-39.725	1.21
21	MP1A	Mx	.029	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-39.725	4.7
24	MP1A	Mx	.029	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-26.214	1.21
27	MP1B	Mx	.016	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-26.214	4.7
30	MP1B	Mx	.016	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	-32.97	1.21
33	MP1C	Mx	-.045	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-32.97	4.7
36	MP1C	Mx	-.045	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-35.638	1.21
39	MP4A	Mx	-.01	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	-35.638	4.7
42	MP4A	Mx	-.01	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-37.984	1.21
45	MP4B	Mx	.049	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-37.984	4.7
48	MP4B	Mx	.049	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	0	1.21
50	MP4C	Z	-25.287	1.21
51	MP4C	Mx	-.025	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	-25.287	4.7
54	MP4C	Mx	-.025	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-35.638	1.21
57	MP4A	Mx	.048	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	-35.638	4.7
60	MP4A	Mx	.048	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-37.984	1.21
63	MP4B	Mx	-.02	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-37.984	4.7
66	MP4B	Mx	-.02	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-25.287	1.21
69	MP4C	Mx	-.021	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-25.287	4.7
72	MP4C	Mx	-.021	4.7
73	MP3A	X	0	2.96
74	MP3A	Z	-7.06	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	-3.326	2.96
78	MP3B	Mx	.001	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	-3.326	2.96
81	MP3C	Mx	-.001	2.96
82	MP2A	X	0	1.96
83	MP2A	Z	-16.23	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	-16.23	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	-9.247	1.96
90	MP2B	Mx	.004	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	-9.247	3.96
93	MP2B	Mx	.004	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	-9.247	1.96
96	MP2C	Mx	-.004	1.96
97	MP2C	X	0	3.96
98	MP2C	Z	-9.247	3.96
99	MP2C	Mx	-.004	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	-13.688	2.25
102	MP5A	Mx	.001	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	-7.188	2.25
105	MP5B	Mx	-.002	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP5C	X	0	2.25
107	MP5C	Z	-10.438	2.25
108	MP5C	Mx	.002	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	-13.687	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	-9.379	2.25
114	MP2B	Mx	-.004	2.25
115	MP2C	X	0	2.25
116	MP2C	Z	-9.379	2.25
117	MP2C	Mx	.004	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	-13.408	2.25
120	MP1A	Mx	.002	2.25
121	MP1B	X	0	2.25
122	MP1B	Z	-9.803	2.25
123	MP1B	Mx	-.005	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	-11.606	2.25
126	MP1C	Mx	.004	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-13.687	2.25
129	MP4A	Mx	0	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	-9.379	2.25
132	MP4B	Mx	-.004	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-9.379	2.25
135	MP4C	Mx	.004	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	-13.687	2.25
138	MP3A	Mx	0	2.25
139	MP3B	X	0	2.25
140	MP3B	Z	-10.565	2.25
141	MP3B	Mx	-.005	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	-10.565	2.25
144	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	16.485	1.21
2	MP1A	Z	-28.553	1.21
3	MP1A	Mx	-.045	1.21
4	MP1A	X	16.485	4.7
5	MP1A	Z	-28.553	4.7
6	MP1A	Mx	-.045	4.7
7	MP1B	X	13.107	1.21
8	MP1B	Z	-22.702	1.21
9	MP1B	Mx	.016	1.21
10	MP1B	X	13.107	4.7
11	MP1B	Z	-22.702	4.7
12	MP1B	Mx	.016	4.7
13	MP1C	X	19.863	1.21
14	MP1C	Z	-34.403	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.029	1.21
16	MP1C	X	19.863	4.7
17	MP1C	Z	-34.403	4.7
18	MP1C	Mx	.029	4.7
19	MP1A	X	16.485	1.21
20	MP1A	Z	-28.553	1.21
21	MP1A	Mx	.002	1.21
22	MP1A	X	16.485	4.7
23	MP1A	Z	-28.553	4.7
24	MP1A	Mx	.002	4.7
25	MP1B	X	13.107	1.21
26	MP1B	Z	-22.702	1.21
27	MP1B	Mx	.03	1.21
28	MP1B	X	13.107	4.7
29	MP1B	Z	-22.702	4.7
30	MP1B	Mx	.03	4.7
31	MP1C	X	19.863	1.21
32	MP1C	Z	-34.403	1.21
33	MP1C	Mx	-.048	1.21
34	MP1C	X	19.863	4.7
35	MP1C	Z	-34.403	4.7
36	MP1C	Mx	-.048	4.7
37	MP4A	X	20.326	1.21
38	MP4A	Z	-35.206	1.21
39	MP4A	Mx	-.037	1.21
40	MP4A	X	20.326	4.7
41	MP4A	Z	-35.206	4.7
42	MP4A	Mx	-.037	4.7
43	MP4B	X	15.151	1.21
44	MP4B	Z	-26.242	1.21
45	MP4B	Mx	.04	1.21
46	MP4B	X	15.151	4.7
47	MP4B	Z	-26.242	4.7
48	MP4B	Mx	.04	4.7
49	MP4C	X	13.978	1.21
50	MP4C	Z	-24.21	1.21
51	MP4C	Mx	-.011	1.21
52	MP4C	X	13.978	4.7
53	MP4C	Z	-24.21	4.7
54	MP4C	Mx	-.011	4.7
55	MP4A	X	20.326	1.21
56	MP4A	Z	-35.206	1.21
57	MP4A	Mx	.044	1.21
58	MP4A	X	20.326	4.7
59	MP4A	Z	-35.206	4.7
60	MP4A	Mx	.044	4.7
61	MP4B	X	15.151	1.21
62	MP4B	Z	-26.242	1.21
63	MP4B	Mx	.005	1.21
64	MP4B	X	15.151	4.7
65	MP4B	Z	-26.242	4.7
66	MP4B	Mx	.005	4.7
67	MP4C	X	13.978	1.21
68	MP4C	Z	-24.21	1.21
69	MP4C	Mx	-.035	1.21
70	MP4C	X	13.978	4.7
71	MP4C	Z	-24.21	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP4C	Mx	-.035	4.7
73	MP3A	X	2.908	2.96
74	MP3A	Z	-5.036	2.96
75	MP3A	Mx	-.001	2.96
76	MP3B	X	1.041	2.96
77	MP3B	Z	-1.803	2.96
78	MP3B	Mx	.000867	2.96
79	MP3C	X	2.908	2.96
80	MP3C	Z	-5.036	2.96
81	MP3C	Mx	-.001	2.96
82	MP2A	X	6.951	1.96
83	MP2A	Z	-12.04	1.96
84	MP2A	Mx	-.003	1.96
85	MP2A	X	6.951	3.96
86	MP2A	Z	-12.04	3.96
87	MP2A	Mx	-.003	3.96
88	MP2B	X	3.46	1.96
89	MP2B	Z	-5.992	1.96
90	MP2B	Mx	.003	1.96
91	MP2B	X	3.46	3.96
92	MP2B	Z	-5.992	3.96
93	MP2B	Mx	.003	3.96
94	MP2C	X	6.951	1.96
95	MP2C	Z	-12.04	1.96
96	MP2C	Mx	-.003	1.96
97	MP2C	X	6.951	3.96
98	MP2C	Z	-12.04	3.96
99	MP2C	Mx	-.003	3.96
100	MP5A	X	5.219	2.25
101	MP5A	Z	-9.039	2.25
102	MP5A	Mx	.002	2.25
103	MP5B	X	3.594	2.25
104	MP5B	Z	-6.225	2.25
105	MP5B	Mx	-.002	2.25
106	MP5C	X	6.844	2.25
107	MP5C	Z	-11.854	2.25
108	MP5C	Mx	.001	2.25
109	MP2A	X	6.125	2.25
110	MP2A	Z	-10.609	2.25
111	MP2A	Mx	.003	2.25
112	MP2B	X	3.971	2.25
113	MP2B	Z	-6.879	2.25
114	MP2B	Mx	-.004	2.25
115	MP2C	X	6.125	2.25
116	MP2C	Z	-10.609	2.25
117	MP2C	Mx	.003	2.25
118	MP1A	X	5.803	2.25
119	MP1A	Z	-10.051	2.25
120	MP1A	Mx	.004	2.25
121	MP1B	X	4.902	2.25
122	MP1B	Z	-8.49	2.25
123	MP1B	Mx	-.005	2.25
124	MP1C	X	6.704	2.25
125	MP1C	Z	-11.612	2.25
126	MP1C	Mx	.002	2.25
127	MP4A	X	6.125	2.25
128	MP4A	Z	-10.609	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
129	MP4A	Mx	.003	2.25
130	MP4B	X	3.971	2.25
131	MP4B	Z	-6.879	2.25
132	MP4B	Mx	-.004	2.25
133	MP4C	X	6.125	2.25
134	MP4C	Z	-10.609	2.25
135	MP4C	Mx	.003	2.25
136	MP3A	X	6.323	2.25
137	MP3A	Z	-10.952	2.25
138	MP3A	Mx	.003	2.25
139	MP3B	X	4.762	2.25
140	MP3B	Z	-8.248	2.25
141	MP3B	Mx	-.005	2.25
142	MP3C	X	6.323	2.25
143	MP3C	Z	-10.952	2.25
144	MP3C	Mx	.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.702	1.21
2	MP1A	Z	-13.107	1.21
3	MP1A	Mx	-.03	1.21
4	MP1A	X	22.702	4.7
5	MP1A	Z	-13.107	4.7
6	MP1A	Mx	-.03	4.7
7	MP1B	X	28.553	1.21
8	MP1B	Z	-16.485	1.21
9	MP1B	Mx	-.002	1.21
10	MP1B	X	28.553	4.7
11	MP1B	Z	-16.485	4.7
12	MP1B	Mx	-.002	4.7
13	MP1C	X	34.403	1.21
14	MP1C	Z	-19.863	1.21
15	MP1C	Mx	.048	1.21
16	MP1C	X	34.403	4.7
17	MP1C	Z	-19.863	4.7
18	MP1C	Mx	.048	4.7
19	MP1A	X	22.702	1.21
20	MP1A	Z	-13.107	1.21
21	MP1A	Mx	-.016	1.21
22	MP1A	X	22.702	4.7
23	MP1A	Z	-13.107	4.7
24	MP1A	Mx	-.016	4.7
25	MP1B	X	28.553	1.21
26	MP1B	Z	-16.485	1.21
27	MP1B	Mx	.045	1.21
28	MP1B	X	28.553	4.7
29	MP1B	Z	-16.485	4.7
30	MP1B	Mx	.045	4.7
31	MP1C	X	34.403	1.21
32	MP1C	Z	-19.863	1.21
33	MP1C	Mx	-.029	1.21
34	MP1C	X	34.403	4.7
35	MP1C	Z	-19.863	4.7
36	MP1C	Mx	-.029	4.7
37	MP4A	X	32.895	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	-18.992	1.21
39	MP4A	Mx	-.049	1.21
40	MP4A	X	32.895	4.7
41	MP4A	Z	-18.992	4.7
42	MP4A	Mx	-.049	4.7
43	MP4B	X	21.899	1.21
44	MP4B	Z	-12.644	1.21
45	MP4B	Mx	.025	1.21
46	MP4B	X	21.899	4.7
47	MP4B	Z	-12.644	4.7
48	MP4B	Mx	.025	4.7
49	MP4C	X	30.863	1.21
50	MP4C	Z	-17.819	1.21
51	MP4C	Mx	.01	1.21
52	MP4C	X	30.863	4.7
53	MP4C	Z	-17.819	4.7
54	MP4C	Mx	.01	4.7
55	MP4A	X	32.895	1.21
56	MP4A	Z	-18.992	1.21
57	MP4A	Mx	.02	1.21
58	MP4A	X	32.895	4.7
59	MP4A	Z	-18.992	4.7
60	MP4A	Mx	.02	4.7
61	MP4B	X	21.899	1.21
62	MP4B	Z	-12.644	1.21
63	MP4B	Mx	.021	1.21
64	MP4B	X	21.899	4.7
65	MP4B	Z	-12.644	4.7
66	MP4B	Mx	.021	4.7
67	MP4C	X	30.863	1.21
68	MP4C	Z	-17.819	1.21
69	MP4C	Mx	-.048	1.21
70	MP4C	X	30.863	4.7
71	MP4C	Z	-17.819	4.7
72	MP4C	Mx	-.048	4.7
73	MP3A	X	2.881	2.96
74	MP3A	Z	-1.663	2.96
75	MP3A	Mx	-.001	2.96
76	MP3B	X	2.881	2.96
77	MP3B	Z	-1.663	2.96
78	MP3B	Mx	.001	2.96
79	MP3C	X	6.114	2.96
80	MP3C	Z	-3.53	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	8.008	1.96
83	MP2A	Z	-4.624	1.96
84	MP2A	Mx	-.004	1.96
85	MP2A	X	8.008	3.96
86	MP2A	Z	-4.624	3.96
87	MP2A	Mx	-.004	3.96
88	MP2B	X	8.008	1.96
89	MP2B	Z	-4.624	1.96
90	MP2B	Mx	.004	1.96
91	MP2B	X	8.008	3.96
92	MP2B	Z	-4.624	3.96
93	MP2B	Mx	.004	3.96
94	MP2C	X	14.056	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2C	Z	-8.115	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	14.056	3.96
98	MP2C	Z	-8.115	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	6.225	2.25
101	MP5A	Z	-3.594	2.25
102	MP5A	Mx	.002	2.25
103	MP5B	X	9.039	2.25
104	MP5B	Z	-5.219	2.25
105	MP5B	Mx	-.002	2.25
106	MP5C	X	11.854	2.25
107	MP5C	Z	-6.844	2.25
108	MP5C	Mx	-.001	2.25
109	MP2A	X	8.122	2.25
110	MP2A	Z	-4.689	2.25
111	MP2A	Mx	.004	2.25
112	MP2B	X	8.122	2.25
113	MP2B	Z	-4.689	2.25
114	MP2B	Mx	-.004	2.25
115	MP2C	X	11.853	2.25
116	MP2C	Z	-6.843	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	8.49	2.25
119	MP1A	Z	-4.902	2.25
120	MP1A	Mx	.005	2.25
121	MP1B	X	10.051	2.25
122	MP1B	Z	-5.803	2.25
123	MP1B	Mx	-.004	2.25
124	MP1C	X	11.612	2.25
125	MP1C	Z	-6.704	2.25
126	MP1C	Mx	-.002	2.25
127	MP4A	X	8.122	2.25
128	MP4A	Z	-4.689	2.25
129	MP4A	Mx	.004	2.25
130	MP4B	X	8.122	2.25
131	MP4B	Z	-4.689	2.25
132	MP4B	Mx	-.004	2.25
133	MP4C	X	11.853	2.25
134	MP4C	Z	-6.843	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	9.15	2.25
137	MP3A	Z	-5.282	2.25
138	MP3A	Mx	.005	2.25
139	MP3B	X	9.15	2.25
140	MP3B	Z	-5.282	2.25
141	MP3B	Mx	-.005	2.25
142	MP3C	X	11.853	2.25
143	MP3C	Z	-6.843	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	26.214	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.016	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	26.214	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.016	4.7
7	MP1B	X	39.725	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.029	1.21
10	MP1B	X	39.725	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	-.029	4.7
13	MP1C	X	32.97	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.045	1.21
16	MP1C	X	32.97	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.045	4.7
19	MP1A	X	26.214	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.03	1.21
22	MP1A	X	26.214	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.03	4.7
25	MP1B	X	39.725	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.048	1.21
28	MP1B	X	39.725	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.048	4.7
31	MP1C	X	32.97	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.002	1.21
34	MP1C	X	32.97	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.002	4.7
37	MP4A	X	30.302	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.04	1.21
40	MP4A	X	30.302	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.04	4.7
43	MP4B	X	27.955	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.011	1.21
46	MP4B	X	27.955	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.011	4.7
49	MP4C	X	40.652	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.037	1.21
52	MP4C	X	40.652	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	.037	4.7
55	MP4A	X	30.302	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.005	1.21
58	MP4A	X	30.302	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.005	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4B	X	27.955	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.035	1.21
64	MP4B	X	27.955	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.035	4.7
67	MP4C	X	40.652	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.044	1.21
70	MP4C	X	40.652	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.044	4.7
73	MP3A	X	2.082	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	-.000868	2.96
76	MP3B	X	5.815	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	.001	2.96
79	MP3C	X	5.815	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	.001	2.96
82	MP2A	X	6.92	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	-.003	1.96
85	MP2A	X	6.92	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	-.003	3.96
88	MP2B	X	13.903	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	.003	1.96
91	MP2B	X	13.903	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	.003	3.96
94	MP2C	X	13.903	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	.003	1.96
97	MP2C	X	13.903	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	.003	3.96
100	MP5A	X	7.188	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	.002	2.25
103	MP5B	X	13.688	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	-.001	2.25
106	MP5C	X	10.438	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	-.002	2.25
109	MP2A	X	7.943	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	.004	2.25
112	MP2B	X	12.251	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	-.003	2.25
115	MP2C	X	12.251	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	-.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	MP1A	X	9.803	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	.005	2.25
121	MP1B	X	13.408	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	-.002	2.25
124	MP1C	X	11.606	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	-.004	2.25
127	MP4A	X	7.943	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.004	2.25
130	MP4B	X	12.251	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.003	2.25
133	MP4C	X	12.251	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.003	2.25
136	MP3A	X	9.524	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	.005	2.25
139	MP3B	X	12.646	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	-.003	2.25
142	MP3C	X	12.646	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	-.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.553	1.21
2	MP1A	Z	16.485	1.21
3	MP1A	Mx	.002	1.21
4	MP1A	X	28.553	4.7
5	MP1A	Z	16.485	4.7
6	MP1A	Mx	.002	4.7
7	MP1B	X	34.403	1.21
8	MP1B	Z	19.863	1.21
9	MP1B	Mx	-.048	1.21
10	MP1B	X	34.403	4.7
11	MP1B	Z	19.863	4.7
12	MP1B	Mx	-.048	4.7
13	MP1C	X	22.702	1.21
14	MP1C	Z	13.107	1.21
15	MP1C	Mx	.03	1.21
16	MP1C	X	22.702	4.7
17	MP1C	Z	13.107	4.7
18	MP1C	Mx	.03	4.7
19	MP1A	X	28.553	1.21
20	MP1A	Z	16.485	1.21
21	MP1A	Mx	-.045	1.21
22	MP1A	X	28.553	4.7
23	MP1A	Z	16.485	4.7
24	MP1A	Mx	-.045	4.7
25	MP1B	X	34.403	1.21
26	MP1B	Z	19.863	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	.029	1.21
28	MP1B	X	34.403	4.7
29	MP1B	Z	19.863	4.7
30	MP1B	Mx	.029	4.7
31	MP1C	X	22.702	1.21
32	MP1C	Z	13.107	1.21
33	MP1C	Mx	.016	1.21
34	MP1C	X	22.702	4.7
35	MP1C	Z	13.107	4.7
36	MP1C	Mx	.016	4.7
37	MP4A	X	21.899	1.21
38	MP4A	Z	12.644	1.21
39	MP4A	Mx	-.025	1.21
40	MP4A	X	21.899	4.7
41	MP4A	Z	12.644	4.7
42	MP4A	Mx	-.025	4.7
43	MP4B	X	30.863	1.21
44	MP4B	Z	17.819	1.21
45	MP4B	Mx	-.01	1.21
46	MP4B	X	30.863	4.7
47	MP4B	Z	17.819	4.7
48	MP4B	Mx	-.01	4.7
49	MP4C	X	32.895	1.21
50	MP4C	Z	18.992	1.21
51	MP4C	Mx	.049	1.21
52	MP4C	X	32.895	4.7
53	MP4C	Z	18.992	4.7
54	MP4C	Mx	.049	4.7
55	MP4A	X	21.899	1.21
56	MP4A	Z	12.644	1.21
57	MP4A	Mx	-.021	1.21
58	MP4A	X	21.899	4.7
59	MP4A	Z	12.644	4.7
60	MP4A	Mx	-.021	4.7
61	MP4B	X	30.863	1.21
62	MP4B	Z	17.819	1.21
63	MP4B	Mx	.048	1.21
64	MP4B	X	30.863	4.7
65	MP4B	Z	17.819	4.7
66	MP4B	Mx	.048	4.7
67	MP4C	X	32.895	1.21
68	MP4C	Z	18.992	1.21
69	MP4C	Mx	-.02	1.21
70	MP4C	X	32.895	4.7
71	MP4C	Z	18.992	4.7
72	MP4C	Mx	-.02	4.7
73	MP3A	X	2.881	2.96
74	MP3A	Z	1.663	2.96
75	MP3A	Mx	-.001	2.96
76	MP3B	X	6.114	2.96
77	MP3B	Z	3.53	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	2.881	2.96
80	MP3C	Z	1.663	2.96
81	MP3C	Mx	.001	2.96
82	MP2A	X	8.008	1.96
83	MP2A	Z	4.624	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2A	Mx	-.004	1.96
85	MP2A	X	8.008	3.96
86	MP2A	Z	4.624	3.96
87	MP2A	Mx	-.004	3.96
88	MP2B	X	14.056	1.96
89	MP2B	Z	8.115	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	14.056	3.96
92	MP2B	Z	8.115	3.96
93	MP2B	Mx	0	3.96
94	MP2C	X	8.008	1.96
95	MP2C	Z	4.624	1.96
96	MP2C	Mx	.004	1.96
97	MP2C	X	8.008	3.96
98	MP2C	Z	4.624	3.96
99	MP2C	Mx	.004	3.96
100	MP5A	X	9.039	2.25
101	MP5A	Z	5.219	2.25
102	MP5A	Mx	.002	2.25
103	MP5B	X	11.854	2.25
104	MP5B	Z	6.844	2.25
105	MP5B	Mx	.001	2.25
106	MP5C	X	6.225	2.25
107	MP5C	Z	3.594	2.25
108	MP5C	Mx	-.002	2.25
109	MP2A	X	8.122	2.25
110	MP2A	Z	4.689	2.25
111	MP2A	Mx	.004	2.25
112	MP2B	X	11.853	2.25
113	MP2B	Z	6.843	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	8.122	2.25
116	MP2C	Z	4.689	2.25
117	MP2C	Mx	-.004	2.25
118	MP1A	X	10.051	2.25
119	MP1A	Z	5.803	2.25
120	MP1A	Mx	.004	2.25
121	MP1B	X	11.612	2.25
122	MP1B	Z	6.704	2.25
123	MP1B	Mx	.002	2.25
124	MP1C	X	8.49	2.25
125	MP1C	Z	4.902	2.25
126	MP1C	Mx	-.005	2.25
127	MP4A	X	8.122	2.25
128	MP4A	Z	4.689	2.25
129	MP4A	Mx	.004	2.25
130	MP4B	X	11.853	2.25
131	MP4B	Z	6.843	2.25
132	MP4B	Mx	0	2.25
133	MP4C	X	8.122	2.25
134	MP4C	Z	4.689	2.25
135	MP4C	Mx	-.004	2.25
136	MP3A	X	9.15	2.25
137	MP3A	Z	5.282	2.25
138	MP3A	Mx	.005	2.25
139	MP3B	X	11.853	2.25
140	MP3B	Z	6.843	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
141	MP3B	Mx	0	2.25
142	MP3C	X	9.15	2.25
143	MP3C	Z	5.282	2.25
144	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	19.863	1.21
2	MP1A	Z	34.403	1.21
3	MP1A	Mx	.029	1.21
4	MP1A	X	19.863	4.7
5	MP1A	Z	34.403	4.7
6	MP1A	Mx	.029	4.7
7	MP1B	X	16.485	1.21
8	MP1B	Z	28.553	1.21
9	MP1B	Mx	-.045	1.21
10	MP1B	X	16.485	4.7
11	MP1B	Z	28.553	4.7
12	MP1B	Mx	-.045	4.7
13	MP1C	X	13.107	1.21
14	MP1C	Z	22.702	1.21
15	MP1C	Mx	.016	1.21
16	MP1C	X	13.107	4.7
17	MP1C	Z	22.702	4.7
18	MP1C	Mx	.016	4.7
19	MP1A	X	19.863	1.21
20	MP1A	Z	34.403	1.21
21	MP1A	Mx	-.048	1.21
22	MP1A	X	19.863	4.7
23	MP1A	Z	34.403	4.7
24	MP1A	Mx	-.048	4.7
25	MP1B	X	16.485	1.21
26	MP1B	Z	28.553	1.21
27	MP1B	Mx	.002	1.21
28	MP1B	X	16.485	4.7
29	MP1B	Z	28.553	4.7
30	MP1B	Mx	.002	4.7
31	MP1C	X	13.107	1.21
32	MP1C	Z	22.702	1.21
33	MP1C	Mx	.03	1.21
34	MP1C	X	13.107	4.7
35	MP1C	Z	22.702	4.7
36	MP1C	Mx	.03	4.7
37	MP4A	X	13.978	1.21
38	MP4A	Z	24.21	1.21
39	MP4A	Mx	-.011	1.21
40	MP4A	X	13.978	4.7
41	MP4A	Z	24.21	4.7
42	MP4A	Mx	-.011	4.7
43	MP4B	X	20.326	1.21
44	MP4B	Z	35.206	1.21
45	MP4B	Mx	-.037	1.21
46	MP4B	X	20.326	4.7
47	MP4B	Z	35.206	4.7
48	MP4B	Mx	-.037	4.7
49	MP4C	X	15.151	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	26.242	1.21
51	MP4C	Mx	.04	1.21
52	MP4C	X	15.151	4.7
53	MP4C	Z	26.242	4.7
54	MP4C	Mx	.04	4.7
55	MP4A	X	13.978	1.21
56	MP4A	Z	24.21	1.21
57	MP4A	Mx	-.035	1.21
58	MP4A	X	13.978	4.7
59	MP4A	Z	24.21	4.7
60	MP4A	Mx	-.035	4.7
61	MP4B	X	20.326	1.21
62	MP4B	Z	35.206	1.21
63	MP4B	Mx	.044	1.21
64	MP4B	X	20.326	4.7
65	MP4B	Z	35.206	4.7
66	MP4B	Mx	.044	4.7
67	MP4C	X	15.151	1.21
68	MP4C	Z	26.242	1.21
69	MP4C	Mx	.005	1.21
70	MP4C	X	15.151	4.7
71	MP4C	Z	26.242	4.7
72	MP4C	Mx	.005	4.7
73	MP3A	X	2.908	2.96
74	MP3A	Z	5.036	2.96
75	MP3A	Mx	-.001	2.96
76	MP3B	X	2.908	2.96
77	MP3B	Z	5.036	2.96
78	MP3B	Mx	-.001	2.96
79	MP3C	X	1.041	2.96
80	MP3C	Z	1.803	2.96
81	MP3C	Mx	.000867	2.96
82	MP2A	X	6.951	1.96
83	MP2A	Z	12.04	1.96
84	MP2A	Mx	-.003	1.96
85	MP2A	X	6.951	3.96
86	MP2A	Z	12.04	3.96
87	MP2A	Mx	-.003	3.96
88	MP2B	X	6.951	1.96
89	MP2B	Z	12.04	1.96
90	MP2B	Mx	-.003	1.96
91	MP2B	X	6.951	3.96
92	MP2B	Z	12.04	3.96
93	MP2B	Mx	-.003	3.96
94	MP2C	X	3.46	1.96
95	MP2C	Z	5.992	1.96
96	MP2C	Mx	.003	1.96
97	MP2C	X	3.46	3.96
98	MP2C	Z	5.992	3.96
99	MP2C	Mx	.003	3.96
100	MP5A	X	6.844	2.25
101	MP5A	Z	11.854	2.25
102	MP5A	Mx	.001	2.25
103	MP5B	X	5.219	2.25
104	MP5B	Z	9.039	2.25
105	MP5B	Mx	.002	2.25
106	MP5C	X	3.594	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5C	Z	6.225	2.25
108	MP5C	Mx	-.002	2.25
109	MP2A	X	6.125	2.25
110	MP2A	Z	10.609	2.25
111	MP2A	Mx	.003	2.25
112	MP2B	X	6.125	2.25
113	MP2B	Z	10.609	2.25
114	MP2B	Mx	.003	2.25
115	MP2C	X	3.971	2.25
116	MP2C	Z	6.879	2.25
117	MP2C	Mx	-.004	2.25
118	MP1A	X	6.704	2.25
119	MP1A	Z	11.612	2.25
120	MP1A	Mx	.002	2.25
121	MP1B	X	5.803	2.25
122	MP1B	Z	10.051	2.25
123	MP1B	Mx	.004	2.25
124	MP1C	X	4.902	2.25
125	MP1C	Z	8.49	2.25
126	MP1C	Mx	-.005	2.25
127	MP4A	X	6.125	2.25
128	MP4A	Z	10.609	2.25
129	MP4A	Mx	.003	2.25
130	MP4B	X	6.125	2.25
131	MP4B	Z	10.609	2.25
132	MP4B	Mx	.003	2.25
133	MP4C	X	3.971	2.25
134	MP4C	Z	6.879	2.25
135	MP4C	Mx	-.004	2.25
136	MP3A	X	6.323	2.25
137	MP3A	Z	10.952	2.25
138	MP3A	Mx	.003	2.25
139	MP3B	X	6.323	2.25
140	MP3B	Z	10.952	2.25
141	MP3B	Mx	.003	2.25
142	MP3C	X	4.762	2.25
143	MP3C	Z	8.248	2.25
144	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	39.725	1.21
3	MP1A	Mx	.048	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	39.725	4.7
6	MP1A	Mx	.048	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	26.214	1.21
9	MP1B	Mx	-.03	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	26.214	4.7
12	MP1B	Mx	-.03	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	32.97	1.21
15	MP1C	Mx	-.002	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	0	4.7
17	MP1C	Z	32.97	4.7
18	MP1C	Mx	-.002	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	39.725	1.21
21	MP1A	Mx	-.029	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	39.725	4.7
24	MP1A	Mx	-.029	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	26.214	1.21
27	MP1B	Mx	-.016	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	26.214	4.7
30	MP1B	Mx	-.016	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	32.97	1.21
33	MP1C	Mx	.045	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	32.97	4.7
36	MP1C	Mx	.045	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	35.638	1.21
39	MP4A	Mx	.01	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	35.638	4.7
42	MP4A	Mx	.01	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	37.984	1.21
45	MP4B	Mx	-.049	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	37.984	4.7
48	MP4B	Mx	-.049	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	25.287	1.21
51	MP4C	Mx	.025	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	25.287	4.7
54	MP4C	Mx	.025	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	35.638	1.21
57	MP4A	Mx	-.048	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	35.638	4.7
60	MP4A	Mx	-.048	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	37.984	1.21
63	MP4B	Mx	.02	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	37.984	4.7
66	MP4B	Mx	.02	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	25.287	1.21
69	MP4C	Mx	.021	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	25.287	4.7
72	MP4C	Mx	.021	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	0	2.96
74	MP3A	Z	7.06	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	3.326	2.96
78	MP3B	Mx	-.001	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	3.326	2.96
81	MP3C	Mx	.001	2.96
82	MP2A	X	0	1.96
83	MP2A	Z	16.23	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	16.23	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	9.247	1.96
90	MP2B	Mx	-.004	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	9.247	3.96
93	MP2B	Mx	-.004	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	9.247	1.96
96	MP2C	Mx	.004	1.96
97	MP2C	X	0	3.96
98	MP2C	Z	9.247	3.96
99	MP2C	Mx	.004	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	13.688	2.25
102	MP5A	Mx	-.001	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	7.188	2.25
105	MP5B	Mx	.002	2.25
106	MP5C	X	0	2.25
107	MP5C	Z	10.438	2.25
108	MP5C	Mx	-.002	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	13.687	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	9.379	2.25
114	MP2B	Mx	.004	2.25
115	MP2C	X	0	2.25
116	MP2C	Z	9.379	2.25
117	MP2C	Mx	-.004	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	13.408	2.25
120	MP1A	Mx	-.002	2.25
121	MP1B	X	0	2.25
122	MP1B	Z	9.803	2.25
123	MP1B	Mx	.005	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	11.606	2.25
126	MP1C	Mx	-.004	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	13.687	2.25
129	MP4A	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
130	MP4B	X	0	2.25
131	MP4B	Z	9.379	2.25
132	MP4B	Mx	.004	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	9.379	2.25
135	MP4C	Mx	-.004	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	13.687	2.25
138	MP3A	Mx	0	2.25
139	MP3B	X	0	2.25
140	MP3B	Z	10.565	2.25
141	MP3B	Mx	.005	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	10.565	2.25
144	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-16.485	1.21
2	MP1A	Z	28.553	1.21
3	MP1A	Mx	.045	1.21
4	MP1A	X	-16.485	4.7
5	MP1A	Z	28.553	4.7
6	MP1A	Mx	.045	4.7
7	MP1B	X	-13.107	1.21
8	MP1B	Z	22.702	1.21
9	MP1B	Mx	-.016	1.21
10	MP1B	X	-13.107	4.7
11	MP1B	Z	22.702	4.7
12	MP1B	Mx	-.016	4.7
13	MP1C	X	-19.863	1.21
14	MP1C	Z	34.403	1.21
15	MP1C	Mx	-.029	1.21
16	MP1C	X	-19.863	4.7
17	MP1C	Z	34.403	4.7
18	MP1C	Mx	-.029	4.7
19	MP1A	X	-16.485	1.21
20	MP1A	Z	28.553	1.21
21	MP1A	Mx	-.002	1.21
22	MP1A	X	-16.485	4.7
23	MP1A	Z	28.553	4.7
24	MP1A	Mx	-.002	4.7
25	MP1B	X	-13.107	1.21
26	MP1B	Z	22.702	1.21
27	MP1B	Mx	-.03	1.21
28	MP1B	X	-13.107	4.7
29	MP1B	Z	22.702	4.7
30	MP1B	Mx	-.03	4.7
31	MP1C	X	-19.863	1.21
32	MP1C	Z	34.403	1.21
33	MP1C	Mx	.048	1.21
34	MP1C	X	-19.863	4.7
35	MP1C	Z	34.403	4.7
36	MP1C	Mx	.048	4.7
37	MP4A	X	-20.326	1.21
38	MP4A	Z	35.206	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.037	1.21
40	MP4A	X	-20.326	4.7
41	MP4A	Z	35.206	4.7
42	MP4A	Mx	.037	4.7
43	MP4B	X	-15.151	1.21
44	MP4B	Z	26.242	1.21
45	MP4B	Mx	-.04	1.21
46	MP4B	X	-15.151	4.7
47	MP4B	Z	26.242	4.7
48	MP4B	Mx	-.04	4.7
49	MP4C	X	-13.978	1.21
50	MP4C	Z	24.21	1.21
51	MP4C	Mx	.011	1.21
52	MP4C	X	-13.978	4.7
53	MP4C	Z	24.21	4.7
54	MP4C	Mx	.011	4.7
55	MP4A	X	-20.326	1.21
56	MP4A	Z	35.206	1.21
57	MP4A	Mx	-.044	1.21
58	MP4A	X	-20.326	4.7
59	MP4A	Z	35.206	4.7
60	MP4A	Mx	-.044	4.7
61	MP4B	X	-15.151	1.21
62	MP4B	Z	26.242	1.21
63	MP4B	Mx	-.005	1.21
64	MP4B	X	-15.151	4.7
65	MP4B	Z	26.242	4.7
66	MP4B	Mx	-.005	4.7
67	MP4C	X	-13.978	1.21
68	MP4C	Z	24.21	1.21
69	MP4C	Mx	.035	1.21
70	MP4C	X	-13.978	4.7
71	MP4C	Z	24.21	4.7
72	MP4C	Mx	.035	4.7
73	MP3A	X	-2.908	2.96
74	MP3A	Z	5.036	2.96
75	MP3A	Mx	.001	2.96
76	MP3B	X	-1.041	2.96
77	MP3B	Z	1.803	2.96
78	MP3B	Mx	-.000867	2.96
79	MP3C	X	-2.908	2.96
80	MP3C	Z	5.036	2.96
81	MP3C	Mx	.001	2.96
82	MP2A	X	-6.951	1.96
83	MP2A	Z	12.04	1.96
84	MP2A	Mx	.003	1.96
85	MP2A	X	-6.951	3.96
86	MP2A	Z	12.04	3.96
87	MP2A	Mx	.003	3.96
88	MP2B	X	-3.46	1.96
89	MP2B	Z	5.992	1.96
90	MP2B	Mx	-.003	1.96
91	MP2B	X	-3.46	3.96
92	MP2B	Z	5.992	3.96
93	MP2B	Mx	-.003	3.96
94	MP2C	X	-6.951	1.96
95	MP2C	Z	12.04	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP2C	Mx	.003	1.96
97	MP2C	X	-6.951	3.96
98	MP2C	Z	12.04	3.96
99	MP2C	Mx	.003	3.96
100	MP5A	X	-5.219	2.25
101	MP5A	Z	9.039	2.25
102	MP5A	Mx	-.002	2.25
103	MP5B	X	-3.594	2.25
104	MP5B	Z	6.225	2.25
105	MP5B	Mx	.002	2.25
106	MP5C	X	-6.844	2.25
107	MP5C	Z	11.854	2.25
108	MP5C	Mx	-.001	2.25
109	MP2A	X	-6.125	2.25
110	MP2A	Z	10.609	2.25
111	MP2A	Mx	-.003	2.25
112	MP2B	X	-3.971	2.25
113	MP2B	Z	6.879	2.25
114	MP2B	Mx	.004	2.25
115	MP2C	X	-6.125	2.25
116	MP2C	Z	10.609	2.25
117	MP2C	Mx	-.003	2.25
118	MP1A	X	-5.803	2.25
119	MP1A	Z	10.051	2.25
120	MP1A	Mx	-.004	2.25
121	MP1B	X	-4.902	2.25
122	MP1B	Z	8.49	2.25
123	MP1B	Mx	.005	2.25
124	MP1C	X	-6.704	2.25
125	MP1C	Z	11.612	2.25
126	MP1C	Mx	-.002	2.25
127	MP4A	X	-6.125	2.25
128	MP4A	Z	10.609	2.25
129	MP4A	Mx	-.003	2.25
130	MP4B	X	-3.971	2.25
131	MP4B	Z	6.879	2.25
132	MP4B	Mx	.004	2.25
133	MP4C	X	-6.125	2.25
134	MP4C	Z	10.609	2.25
135	MP4C	Mx	-.003	2.25
136	MP3A	X	-6.323	2.25
137	MP3A	Z	10.952	2.25
138	MP3A	Mx	-.003	2.25
139	MP3B	X	-4.762	2.25
140	MP3B	Z	8.248	2.25
141	MP3B	Mx	.005	2.25
142	MP3C	X	-6.323	2.25
143	MP3C	Z	10.952	2.25
144	MP3C	Mx	-.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.702	1.21
2	MP1A	Z	13.107	1.21
3	MP1A	Mx	.03	1.21
4	MP1A	X	-22.702	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	13.107	4.7
6	MP1A	Mx	.03	4.7
7	MP1B	X	-28.553	1.21
8	MP1B	Z	16.485	1.21
9	MP1B	Mx	.002	1.21
10	MP1B	X	-28.553	4.7
11	MP1B	Z	16.485	4.7
12	MP1B	Mx	.002	4.7
13	MP1C	X	-34.403	1.21
14	MP1C	Z	19.863	1.21
15	MP1C	Mx	-.048	1.21
16	MP1C	X	-34.403	4.7
17	MP1C	Z	19.863	4.7
18	MP1C	Mx	-.048	4.7
19	MP1A	X	-22.702	1.21
20	MP1A	Z	13.107	1.21
21	MP1A	Mx	.016	1.21
22	MP1A	X	-22.702	4.7
23	MP1A	Z	13.107	4.7
24	MP1A	Mx	.016	4.7
25	MP1B	X	-28.553	1.21
26	MP1B	Z	16.485	1.21
27	MP1B	Mx	-.045	1.21
28	MP1B	X	-28.553	4.7
29	MP1B	Z	16.485	4.7
30	MP1B	Mx	-.045	4.7
31	MP1C	X	-34.403	1.21
32	MP1C	Z	19.863	1.21
33	MP1C	Mx	.029	1.21
34	MP1C	X	-34.403	4.7
35	MP1C	Z	19.863	4.7
36	MP1C	Mx	.029	4.7
37	MP4A	X	-32.895	1.21
38	MP4A	Z	18.992	1.21
39	MP4A	Mx	.049	1.21
40	MP4A	X	-32.895	4.7
41	MP4A	Z	18.992	4.7
42	MP4A	Mx	.049	4.7
43	MP4B	X	-21.899	1.21
44	MP4B	Z	12.644	1.21
45	MP4B	Mx	-.025	1.21
46	MP4B	X	-21.899	4.7
47	MP4B	Z	12.644	4.7
48	MP4B	Mx	-.025	4.7
49	MP4C	X	-30.863	1.21
50	MP4C	Z	17.819	1.21
51	MP4C	Mx	-.01	1.21
52	MP4C	X	-30.863	4.7
53	MP4C	Z	17.819	4.7
54	MP4C	Mx	-.01	4.7
55	MP4A	X	-32.895	1.21
56	MP4A	Z	18.992	1.21
57	MP4A	Mx	-.02	1.21
58	MP4A	X	-32.895	4.7
59	MP4A	Z	18.992	4.7
60	MP4A	Mx	-.02	4.7
61	MP4B	X	-21.899	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4B	Z	12.644	1.21
63	MP4B	Mx	-.021	1.21
64	MP4B	X	-21.899	4.7
65	MP4B	Z	12.644	4.7
66	MP4B	Mx	-.021	4.7
67	MP4C	X	-30.863	1.21
68	MP4C	Z	17.819	1.21
69	MP4C	Mx	.048	1.21
70	MP4C	X	-30.863	4.7
71	MP4C	Z	17.819	4.7
72	MP4C	Mx	.048	4.7
73	MP3A	X	-2.881	2.96
74	MP3A	Z	1.663	2.96
75	MP3A	Mx	.001	2.96
76	MP3B	X	-2.881	2.96
77	MP3B	Z	1.663	2.96
78	MP3B	Mx	-.001	2.96
79	MP3C	X	-6.114	2.96
80	MP3C	Z	3.53	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	-8.008	1.96
83	MP2A	Z	4.624	1.96
84	MP2A	Mx	.004	1.96
85	MP2A	X	-8.008	3.96
86	MP2A	Z	4.624	3.96
87	MP2A	Mx	.004	3.96
88	MP2B	X	-8.008	1.96
89	MP2B	Z	4.624	1.96
90	MP2B	Mx	-.004	1.96
91	MP2B	X	-8.008	3.96
92	MP2B	Z	4.624	3.96
93	MP2B	Mx	-.004	3.96
94	MP2C	X	-14.056	1.96
95	MP2C	Z	8.115	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	-14.056	3.96
98	MP2C	Z	8.115	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	-6.225	2.25
101	MP5A	Z	3.594	2.25
102	MP5A	Mx	-.002	2.25
103	MP5B	X	-9.039	2.25
104	MP5B	Z	5.219	2.25
105	MP5B	Mx	.002	2.25
106	MP5C	X	-11.854	2.25
107	MP5C	Z	6.844	2.25
108	MP5C	Mx	.001	2.25
109	MP2A	X	-8.122	2.25
110	MP2A	Z	4.689	2.25
111	MP2A	Mx	-.004	2.25
112	MP2B	X	-8.122	2.25
113	MP2B	Z	4.689	2.25
114	MP2B	Mx	.004	2.25
115	MP2C	X	-11.853	2.25
116	MP2C	Z	6.843	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	-8.49	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP1A	Z	4.902	2.25
120	MP1A	Mx	-.005	2.25
121	MP1B	X	-10.051	2.25
122	MP1B	Z	5.803	2.25
123	MP1B	Mx	.004	2.25
124	MP1C	X	-11.612	2.25
125	MP1C	Z	6.704	2.25
126	MP1C	Mx	.002	2.25
127	MP4A	X	-8.122	2.25
128	MP4A	Z	4.689	2.25
129	MP4A	Mx	-.004	2.25
130	MP4B	X	-8.122	2.25
131	MP4B	Z	4.689	2.25
132	MP4B	Mx	.004	2.25
133	MP4C	X	-11.853	2.25
134	MP4C	Z	6.843	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	-9.15	2.25
137	MP3A	Z	5.282	2.25
138	MP3A	Mx	-.005	2.25
139	MP3B	X	-9.15	2.25
140	MP3B	Z	5.282	2.25
141	MP3B	Mx	.005	2.25
142	MP3C	X	-11.853	2.25
143	MP3C	Z	6.843	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-26.214	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.016	1.21
4	MP1A	X	-26.214	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.016	4.7
7	MP1B	X	-39.725	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.029	1.21
10	MP1B	X	-39.725	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.029	4.7
13	MP1C	X	-32.97	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.045	1.21
16	MP1C	X	-32.97	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.045	4.7
19	MP1A	X	-26.214	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.03	1.21
22	MP1A	X	-26.214	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.03	4.7
25	MP1B	X	-39.725	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.048	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	-39.725	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.048	4.7
31	MP1C	X	-32.97	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	.002	1.21
34	MP1C	X	-32.97	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.002	4.7
37	MP4A	X	-30.302	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.04	1.21
40	MP4A	X	-30.302	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.04	4.7
43	MP4B	X	-27.955	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.011	1.21
46	MP4B	X	-27.955	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.011	4.7
49	MP4C	X	-40.652	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.037	1.21
52	MP4C	X	-40.652	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.037	4.7
55	MP4A	X	-30.302	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.005	1.21
58	MP4A	X	-30.302	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.005	4.7
61	MP4B	X	-27.955	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.035	1.21
64	MP4B	X	-27.955	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.035	4.7
67	MP4C	X	-40.652	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.044	1.21
70	MP4C	X	-40.652	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	.044	4.7
73	MP3A	X	-2.082	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	.000868	2.96
76	MP3B	X	-5.815	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	-.001	2.96
79	MP3C	X	-5.815	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	-.001	2.96
82	MP2A	X	-6.92	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	.003	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP2A	X	-6.92	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	.003	3.96
88	MP2B	X	-13.903	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	-.003	1.96
91	MP2B	X	-13.903	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	-.003	3.96
94	MP2C	X	-13.903	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	-.003	1.96
97	MP2C	X	-13.903	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	-.003	3.96
100	MP5A	X	-7.188	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	-.002	2.25
103	MP5B	X	-13.688	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	.001	2.25
106	MP5C	X	-10.438	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	.002	2.25
109	MP2A	X	-7.943	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	-.004	2.25
112	MP2B	X	-12.251	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	.003	2.25
115	MP2C	X	-12.251	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	.003	2.25
118	MP1A	X	-9.803	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	-.005	2.25
121	MP1B	X	-13.408	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	.002	2.25
124	MP1C	X	-11.606	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	.004	2.25
127	MP4A	X	-7.943	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.004	2.25
130	MP4B	X	-12.251	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	.003	2.25
133	MP4C	X	-12.251	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.003	2.25
136	MP3A	X	-9.524	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	-.005	2.25
139	MP3B	X	-12.646	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
142	MP3C	X	-12.646	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.553	1.21
2	MP1A	Z	-16.485	1.21
3	MP1A	Mx	-.002	1.21
4	MP1A	X	-28.553	4.7
5	MP1A	Z	-16.485	4.7
6	MP1A	Mx	-.002	4.7
7	MP1B	X	-34.403	1.21
8	MP1B	Z	-19.863	1.21
9	MP1B	Mx	.048	1.21
10	MP1B	X	-34.403	4.7
11	MP1B	Z	-19.863	4.7
12	MP1B	Mx	.048	4.7
13	MP1C	X	-22.702	1.21
14	MP1C	Z	-13.107	1.21
15	MP1C	Mx	-.03	1.21
16	MP1C	X	-22.702	4.7
17	MP1C	Z	-13.107	4.7
18	MP1C	Mx	-.03	4.7
19	MP1A	X	-28.553	1.21
20	MP1A	Z	-16.485	1.21
21	MP1A	Mx	.045	1.21
22	MP1A	X	-28.553	4.7
23	MP1A	Z	-16.485	4.7
24	MP1A	Mx	.045	4.7
25	MP1B	X	-34.403	1.21
26	MP1B	Z	-19.863	1.21
27	MP1B	Mx	-.029	1.21
28	MP1B	X	-34.403	4.7
29	MP1B	Z	-19.863	4.7
30	MP1B	Mx	-.029	4.7
31	MP1C	X	-22.702	1.21
32	MP1C	Z	-13.107	1.21
33	MP1C	Mx	-.016	1.21
34	MP1C	X	-22.702	4.7
35	MP1C	Z	-13.107	4.7
36	MP1C	Mx	-.016	4.7
37	MP4A	X	-21.899	1.21
38	MP4A	Z	-12.644	1.21
39	MP4A	Mx	.025	1.21
40	MP4A	X	-21.899	4.7
41	MP4A	Z	-12.644	4.7
42	MP4A	Mx	.025	4.7
43	MP4B	X	-30.863	1.21
44	MP4B	Z	-17.819	1.21
45	MP4B	Mx	.01	1.21
46	MP4B	X	-30.863	4.7
47	MP4B	Z	-17.819	4.7
48	MP4B	Mx	.01	4.7
49	MP4C	X	-32.895	1.21
50	MP4C	Z	-18.992	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.049	1.21
52	MP4C	X	-32.895	4.7
53	MP4C	Z	-18.992	4.7
54	MP4C	Mx	-.049	4.7
55	MP4A	X	-21.899	1.21
56	MP4A	Z	-12.644	1.21
57	MP4A	Mx	.021	1.21
58	MP4A	X	-21.899	4.7
59	MP4A	Z	-12.644	4.7
60	MP4A	Mx	.021	4.7
61	MP4B	X	-30.863	1.21
62	MP4B	Z	-17.819	1.21
63	MP4B	Mx	-.048	1.21
64	MP4B	X	-30.863	4.7
65	MP4B	Z	-17.819	4.7
66	MP4B	Mx	-.048	4.7
67	MP4C	X	-32.895	1.21
68	MP4C	Z	-18.992	1.21
69	MP4C	Mx	.02	1.21
70	MP4C	X	-32.895	4.7
71	MP4C	Z	-18.992	4.7
72	MP4C	Mx	.02	4.7
73	MP3A	X	-2.881	2.96
74	MP3A	Z	-1.663	2.96
75	MP3A	Mx	.001	2.96
76	MP3B	X	-6.114	2.96
77	MP3B	Z	-3.53	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	-2.881	2.96
80	MP3C	Z	-1.663	2.96
81	MP3C	Mx	-.001	2.96
82	MP2A	X	-8.008	1.96
83	MP2A	Z	-4.624	1.96
84	MP2A	Mx	.004	1.96
85	MP2A	X	-8.008	3.96
86	MP2A	Z	-4.624	3.96
87	MP2A	Mx	.004	3.96
88	MP2B	X	-14.056	1.96
89	MP2B	Z	-8.115	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	-14.056	3.96
92	MP2B	Z	-8.115	3.96
93	MP2B	Mx	0	3.96
94	MP2C	X	-8.008	1.96
95	MP2C	Z	-4.624	1.96
96	MP2C	Mx	-.004	1.96
97	MP2C	X	-8.008	3.96
98	MP2C	Z	-4.624	3.96
99	MP2C	Mx	-.004	3.96
100	MP5A	X	-9.039	2.25
101	MP5A	Z	-5.219	2.25
102	MP5A	Mx	-.002	2.25
103	MP5B	X	-11.854	2.25
104	MP5B	Z	-6.844	2.25
105	MP5B	Mx	-.001	2.25
106	MP5C	X	-6.225	2.25
107	MP5C	Z	-3.594	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP5C	Mx	.002	2.25
109	MP2A	X	-8.122	2.25
110	MP2A	Z	-4.689	2.25
111	MP2A	Mx	-.004	2.25
112	MP2B	X	-11.853	2.25
113	MP2B	Z	-6.843	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	-8.122	2.25
116	MP2C	Z	-4.689	2.25
117	MP2C	Mx	.004	2.25
118	MP1A	X	-10.051	2.25
119	MP1A	Z	-5.803	2.25
120	MP1A	Mx	-.004	2.25
121	MP1B	X	-11.612	2.25
122	MP1B	Z	-6.704	2.25
123	MP1B	Mx	-.002	2.25
124	MP1C	X	-8.49	2.25
125	MP1C	Z	-4.902	2.25
126	MP1C	Mx	.005	2.25
127	MP4A	X	-8.122	2.25
128	MP4A	Z	-4.689	2.25
129	MP4A	Mx	-.004	2.25
130	MP4B	X	-11.853	2.25
131	MP4B	Z	-6.843	2.25
132	MP4B	Mx	0	2.25
133	MP4C	X	-8.122	2.25
134	MP4C	Z	-4.689	2.25
135	MP4C	Mx	.004	2.25
136	MP3A	X	-9.15	2.25
137	MP3A	Z	-5.282	2.25
138	MP3A	Mx	-.005	2.25
139	MP3B	X	-11.853	2.25
140	MP3B	Z	-6.843	2.25
141	MP3B	Mx	0	2.25
142	MP3C	X	-9.15	2.25
143	MP3C	Z	-5.282	2.25
144	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.863	1.21
2	MP1A	Z	-34.403	1.21
3	MP1A	Mx	-.029	1.21
4	MP1A	X	-19.863	4.7
5	MP1A	Z	-34.403	4.7
6	MP1A	Mx	-.029	4.7
7	MP1B	X	-16.485	1.21
8	MP1B	Z	-28.553	1.21
9	MP1B	Mx	.045	1.21
10	MP1B	X	-16.485	4.7
11	MP1B	Z	-28.553	4.7
12	MP1B	Mx	.045	4.7
13	MP1C	X	-13.107	1.21
14	MP1C	Z	-22.702	1.21
15	MP1C	Mx	-.016	1.21
16	MP1C	X	-13.107	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	-22.702	4.7
18	MP1C	Mx	-.016	4.7
19	MP1A	X	-19.863	1.21
20	MP1A	Z	-34.403	1.21
21	MP1A	Mx	.048	1.21
22	MP1A	X	-19.863	4.7
23	MP1A	Z	-34.403	4.7
24	MP1A	Mx	.048	4.7
25	MP1B	X	-16.485	1.21
26	MP1B	Z	-28.553	1.21
27	MP1B	Mx	-.002	1.21
28	MP1B	X	-16.485	4.7
29	MP1B	Z	-28.553	4.7
30	MP1B	Mx	-.002	4.7
31	MP1C	X	-13.107	1.21
32	MP1C	Z	-22.702	1.21
33	MP1C	Mx	-.03	1.21
34	MP1C	X	-13.107	4.7
35	MP1C	Z	-22.702	4.7
36	MP1C	Mx	-.03	4.7
37	MP4A	X	-13.978	1.21
38	MP4A	Z	-24.21	1.21
39	MP4A	Mx	.011	1.21
40	MP4A	X	-13.978	4.7
41	MP4A	Z	-24.21	4.7
42	MP4A	Mx	.011	4.7
43	MP4B	X	-20.326	1.21
44	MP4B	Z	-35.206	1.21
45	MP4B	Mx	.037	1.21
46	MP4B	X	-20.326	4.7
47	MP4B	Z	-35.206	4.7
48	MP4B	Mx	.037	4.7
49	MP4C	X	-15.151	1.21
50	MP4C	Z	-26.242	1.21
51	MP4C	Mx	-.04	1.21
52	MP4C	X	-15.151	4.7
53	MP4C	Z	-26.242	4.7
54	MP4C	Mx	-.04	4.7
55	MP4A	X	-13.978	1.21
56	MP4A	Z	-24.21	1.21
57	MP4A	Mx	.035	1.21
58	MP4A	X	-13.978	4.7
59	MP4A	Z	-24.21	4.7
60	MP4A	Mx	.035	4.7
61	MP4B	X	-20.326	1.21
62	MP4B	Z	-35.206	1.21
63	MP4B	Mx	-.044	1.21
64	MP4B	X	-20.326	4.7
65	MP4B	Z	-35.206	4.7
66	MP4B	Mx	-.044	4.7
67	MP4C	X	-15.151	1.21
68	MP4C	Z	-26.242	1.21
69	MP4C	Mx	-.005	1.21
70	MP4C	X	-15.151	4.7
71	MP4C	Z	-26.242	4.7
72	MP4C	Mx	-.005	4.7
73	MP3A	X	-2.908	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3A	Z	-5.036	2.96
75	MP3A	Mx	.001	2.96
76	MP3B	X	-2.908	2.96
77	MP3B	Z	-5.036	2.96
78	MP3B	Mx	.001	2.96
79	MP3C	X	-1.041	2.96
80	MP3C	Z	-1.803	2.96
81	MP3C	Mx	-.000867	2.96
82	MP2A	X	-6.951	1.96
83	MP2A	Z	-12.04	1.96
84	MP2A	Mx	.003	1.96
85	MP2A	X	-6.951	3.96
86	MP2A	Z	-12.04	3.96
87	MP2A	Mx	.003	3.96
88	MP2B	X	-6.951	1.96
89	MP2B	Z	-12.04	1.96
90	MP2B	Mx	.003	1.96
91	MP2B	X	-6.951	3.96
92	MP2B	Z	-12.04	3.96
93	MP2B	Mx	.003	3.96
94	MP2C	X	-3.46	1.96
95	MP2C	Z	-5.992	1.96
96	MP2C	Mx	-.003	1.96
97	MP2C	X	-3.46	3.96
98	MP2C	Z	-5.992	3.96
99	MP2C	Mx	-.003	3.96
100	MP5A	X	-6.844	2.25
101	MP5A	Z	-11.854	2.25
102	MP5A	Mx	-.001	2.25
103	MP5B	X	-5.219	2.25
104	MP5B	Z	-9.039	2.25
105	MP5B	Mx	-.002	2.25
106	MP5C	X	-3.594	2.25
107	MP5C	Z	-6.225	2.25
108	MP5C	Mx	.002	2.25
109	MP2A	X	-6.125	2.25
110	MP2A	Z	-10.609	2.25
111	MP2A	Mx	-.003	2.25
112	MP2B	X	-6.125	2.25
113	MP2B	Z	-10.609	2.25
114	MP2B	Mx	-.003	2.25
115	MP2C	X	-3.971	2.25
116	MP2C	Z	-6.879	2.25
117	MP2C	Mx	.004	2.25
118	MP1A	X	-6.704	2.25
119	MP1A	Z	-11.612	2.25
120	MP1A	Mx	-.002	2.25
121	MP1B	X	-5.803	2.25
122	MP1B	Z	-10.051	2.25
123	MP1B	Mx	-.004	2.25
124	MP1C	X	-4.902	2.25
125	MP1C	Z	-8.49	2.25
126	MP1C	Mx	.005	2.25
127	MP4A	X	-6.125	2.25
128	MP4A	Z	-10.609	2.25
129	MP4A	Mx	-.003	2.25
130	MP4B	X	-6.125	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
131	MP4B	Z	-10.609	2.25
132	MP4B	Mx	-.003	2.25
133	MP4C	X	-3.971	2.25
134	MP4C	Z	-6.879	2.25
135	MP4C	Mx	.004	2.25
136	MP3A	X	-6.323	2.25
137	MP3A	Z	-10.952	2.25
138	MP3A	Mx	-.003	2.25
139	MP3B	X	-6.323	2.25
140	MP3B	Z	-10.952	2.25
141	MP3B	Mx	-.003	2.25
142	MP3C	X	-4.762	2.25
143	MP3C	Z	-8.248	2.25
144	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	-13.242	1.21
3	MP1A	Mx	-.016	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-13.242	4.7
6	MP1A	Mx	-.016	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-8.526	1.21
9	MP1B	Mx	.01	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-8.526	4.7
12	MP1B	Mx	.01	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	-10.884	1.21
15	MP1C	Mx	.000641	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-10.884	4.7
18	MP1C	Mx	.000641	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-13.242	1.21
21	MP1A	Mx	.01	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-13.242	4.7
24	MP1A	Mx	.01	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-8.526	1.21
27	MP1B	Mx	.005	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-8.526	4.7
30	MP1B	Mx	.005	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	-10.884	1.21
33	MP1C	Mx	-.015	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-10.884	4.7
36	MP1C	Mx	-.015	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-11.816	1.21
39	MP4A	Mx	-.003	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	0	4.7
41	MP4A	Z	-11.816	4.7
42	MP4A	Mx	-.003	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-12.635	1.21
45	MP4B	Mx	.016	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-12.635	4.7
48	MP4B	Mx	.016	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	-8.203	1.21
51	MP4C	Mx	-.008	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	-8.203	4.7
54	MP4C	Mx	-.008	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-11.816	1.21
57	MP4A	Mx	.016	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	-11.816	4.7
60	MP4A	Mx	.016	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-12.635	1.21
63	MP4B	Mx	-.007	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-12.635	4.7
66	MP4B	Mx	-.007	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-8.203	1.21
69	MP4C	Mx	-.007	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-8.203	4.7
72	MP4C	Mx	-.007	4.7
73	MP3A	X	0	2.96
74	MP3A	Z	-1.956	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	-.777	2.96
78	MP3B	Mx	.00028	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	-.777	2.96
81	MP3C	Mx	-.00028	2.96
82	MP2A	X	0	1.96
83	MP2A	Z	-5.166	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	-5.166	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	-2.808	1.96
90	MP2B	Mx	.001	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	-2.808	3.96
93	MP2B	Mx	.001	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	-2.808	1.96
96	MP2C	Mx	-.001	1.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2C	X	0	3.96
98	MP2C	Z	-2.808	3.96
99	MP2C	Mx	-.001	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	-4.141	2.25
102	MP5A	Mx	.000357	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	-1.973	2.25
105	MP5B	Mx	-.000635	2.25
106	MP5C	X	0	2.25
107	MP5C	Z	-3.057	2.25
108	MP5C	Mx	.000721	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	-4.111	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	-2.697	2.25
114	MP2B	Mx	-.001	2.25
115	MP2C	X	0	2.25
116	MP2C	Z	-2.697	2.25
117	MP2C	Mx	.001	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	-4.019	2.25
120	MP1A	Mx	.00052	2.25
121	MP1B	X	0	2.25
122	MP1B	Z	-2.839	2.25
123	MP1B	Mx	-.001	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	-3.429	2.25
126	MP1C	Mx	.001	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-4.111	2.25
129	MP4A	Mx	0	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	-2.697	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-2.697	2.25
135	MP4C	Mx	.001	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	-4.111	2.25
138	MP3A	Mx	0	2.25
139	MP3B	X	0	2.25
140	MP3B	Z	-3.089	2.25
141	MP3B	Mx	-.001	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	-3.089	2.25
144	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.442	1.21
2	MP1A	Z	-9.426	1.21
3	MP1A	Mx	-.015	1.21
4	MP1A	X	5.442	4.7
5	MP1A	Z	-9.426	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.015	4.7
7	MP1B	X	4.263	1.21
8	MP1B	Z	-7.384	1.21
9	MP1B	Mx	.005	1.21
10	MP1B	X	4.263	4.7
11	MP1B	Z	-7.384	4.7
12	MP1B	Mx	.005	4.7
13	MP1C	X	6.621	1.21
14	MP1C	Z	-11.468	1.21
15	MP1C	Mx	.01	1.21
16	MP1C	X	6.621	4.7
17	MP1C	Z	-11.468	4.7
18	MP1C	Mx	.01	4.7
19	MP1A	X	5.442	1.21
20	MP1A	Z	-9.426	1.21
21	MP1A	Mx	.000641	1.21
22	MP1A	X	5.442	4.7
23	MP1A	Z	-9.426	4.7
24	MP1A	Mx	.000641	4.7
25	MP1B	X	4.263	1.21
26	MP1B	Z	-7.384	1.21
27	MP1B	Mx	.01	1.21
28	MP1B	X	4.263	4.7
29	MP1B	Z	-7.384	4.7
30	MP1B	Mx	.01	4.7
31	MP1C	X	6.621	1.21
32	MP1C	Z	-11.468	1.21
33	MP1C	Mx	-.016	1.21
34	MP1C	X	6.621	4.7
35	MP1C	Z	-11.468	4.7
36	MP1C	Mx	-.016	4.7
37	MP4A	X	6.783	1.21
38	MP4A	Z	-11.748	1.21
39	MP4A	Mx	-.012	1.21
40	MP4A	X	6.783	4.7
41	MP4A	Z	-11.748	4.7
42	MP4A	Mx	-.012	4.7
43	MP4B	X	4.977	1.21
44	MP4B	Z	-8.62	1.21
45	MP4B	Mx	.013	1.21
46	MP4B	X	4.977	4.7
47	MP4B	Z	-8.62	4.7
48	MP4B	Mx	.013	4.7
49	MP4C	X	4.567	1.21
50	MP4C	Z	-7.91	1.21
51	MP4C	Mx	-.004	1.21
52	MP4C	X	4.567	4.7
53	MP4C	Z	-7.91	4.7
54	MP4C	Mx	-.004	4.7
55	MP4A	X	6.783	1.21
56	MP4A	Z	-11.748	1.21
57	MP4A	Mx	.015	1.21
58	MP4A	X	6.783	4.7
59	MP4A	Z	-11.748	4.7
60	MP4A	Mx	.015	4.7
61	MP4B	X	4.977	1.21
62	MP4B	Z	-8.62	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	.002	1.21
64	MP4B	X	4.977	4.7
65	MP4B	Z	-8.62	4.7
66	MP4B	Mx	.002	4.7
67	MP4C	X	4.567	1.21
68	MP4C	Z	-7.91	1.21
69	MP4C	Mx	-.011	1.21
70	MP4C	X	4.567	4.7
71	MP4C	Z	-7.91	4.7
72	MP4C	Mx	-.011	4.7
73	MP3A	X	.782	2.96
74	MP3A	Z	-1.354	2.96
75	MP3A	Mx	-.000326	2.96
76	MP3B	X	.192	2.96
77	MP3B	Z	-.332	2.96
78	MP3B	Mx	.00016	2.96
79	MP3C	X	.782	2.96
80	MP3C	Z	-1.354	2.96
81	MP3C	Mx	-.000326	2.96
82	MP2A	X	2.19	1.96
83	MP2A	Z	-3.793	1.96
84	MP2A	Mx	-.001	1.96
85	MP2A	X	2.19	3.96
86	MP2A	Z	-3.793	3.96
87	MP2A	Mx	-.001	3.96
88	MP2B	X	1.011	1.96
89	MP2B	Z	-1.751	1.96
90	MP2B	Mx	.001	1.96
91	MP2B	X	1.011	3.96
92	MP2B	Z	-1.751	3.96
93	MP2B	Mx	.001	3.96
94	MP2C	X	2.19	1.96
95	MP2C	Z	-3.793	1.96
96	MP2C	Mx	-.001	1.96
97	MP2C	X	2.19	3.96
98	MP2C	Z	-3.793	3.96
99	MP2C	Mx	-.001	3.96
100	MP5A	X	1.529	2.25
101	MP5A	Z	-2.647	2.25
102	MP5A	Mx	.000721	2.25
103	MP5B	X	.987	2.25
104	MP5B	Z	-1.709	2.25
105	MP5B	Mx	-.000635	2.25
106	MP5C	X	2.07	2.25
107	MP5C	Z	-3.586	2.25
108	MP5C	Mx	.000357	2.25
109	MP2A	X	1.82	2.25
110	MP2A	Z	-3.152	2.25
111	MP2A	Mx	.00091	2.25
112	MP2B	X	1.113	2.25
113	MP2B	Z	-1.928	2.25
114	MP2B	Mx	-.001	2.25
115	MP2C	X	1.82	2.25
116	MP2C	Z	-3.152	2.25
117	MP2C	Mx	.00091	2.25
118	MP1A	X	1.715	2.25
119	MP1A	Z	-2.97	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP1A	Mx	.001	2.25
121	MP1B	X	1.42	2.25
122	MP1B	Z	-2.459	2.25
123	MP1B	Mx	-.001	2.25
124	MP1C	X	2.01	2.25
125	MP1C	Z	-3.481	2.25
126	MP1C	Mx	.00052	2.25
127	MP4A	X	1.82	2.25
128	MP4A	Z	-3.152	2.25
129	MP4A	Mx	.00091	2.25
130	MP4B	X	1.113	2.25
131	MP4B	Z	-1.928	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	1.82	2.25
134	MP4C	Z	-3.152	2.25
135	MP4C	Mx	.00091	2.25
136	MP3A	X	1.885	2.25
137	MP3A	Z	-3.265	2.25
138	MP3A	Mx	.000943	2.25
139	MP3B	X	1.374	2.25
140	MP3B	Z	-2.38	2.25
141	MP3B	Mx	-.001	2.25
142	MP3C	X	1.885	2.25
143	MP3C	Z	-3.265	2.25
144	MP3C	Mx	.000943	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.384	1.21
2	MP1A	Z	-4.263	1.21
3	MP1A	Mx	-.01	1.21
4	MP1A	X	7.384	4.7
5	MP1A	Z	-4.263	4.7
6	MP1A	Mx	-.01	4.7
7	MP1B	X	9.426	1.21
8	MP1B	Z	-5.442	1.21
9	MP1B	Mx	-.000641	1.21
10	MP1B	X	9.426	4.7
11	MP1B	Z	-5.442	4.7
12	MP1B	Mx	-.000641	4.7
13	MP1C	X	11.468	1.21
14	MP1C	Z	-6.621	1.21
15	MP1C	Mx	.016	1.21
16	MP1C	X	11.468	4.7
17	MP1C	Z	-6.621	4.7
18	MP1C	Mx	.016	4.7
19	MP1A	X	7.384	1.21
20	MP1A	Z	-4.263	1.21
21	MP1A	Mx	-.005	1.21
22	MP1A	X	7.384	4.7
23	MP1A	Z	-4.263	4.7
24	MP1A	Mx	-.005	4.7
25	MP1B	X	9.426	1.21
26	MP1B	Z	-5.442	1.21
27	MP1B	Mx	.015	1.21
28	MP1B	X	9.426	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	-5.442	4.7
30	MP1B	Mx	.015	4.7
31	MP1C	X	11.468	1.21
32	MP1C	Z	-6.621	1.21
33	MP1C	Mx	-.01	1.21
34	MP1C	X	11.468	4.7
35	MP1C	Z	-6.621	4.7
36	MP1C	Mx	-.01	4.7
37	MP4A	X	10.942	1.21
38	MP4A	Z	-6.317	1.21
39	MP4A	Mx	-.016	1.21
40	MP4A	X	10.942	4.7
41	MP4A	Z	-6.317	4.7
42	MP4A	Mx	-.016	4.7
43	MP4B	X	7.104	1.21
44	MP4B	Z	-4.101	1.21
45	MP4B	Mx	.008	1.21
46	MP4B	X	7.104	4.7
47	MP4B	Z	-4.101	4.7
48	MP4B	Mx	.008	4.7
49	MP4C	X	10.233	1.21
50	MP4C	Z	-5.908	1.21
51	MP4C	Mx	.003	1.21
52	MP4C	X	10.233	4.7
53	MP4C	Z	-5.908	4.7
54	MP4C	Mx	.003	4.7
55	MP4A	X	10.942	1.21
56	MP4A	Z	-6.317	1.21
57	MP4A	Mx	.007	1.21
58	MP4A	X	10.942	4.7
59	MP4A	Z	-6.317	4.7
60	MP4A	Mx	.007	4.7
61	MP4B	X	7.104	1.21
62	MP4B	Z	-4.101	1.21
63	MP4B	Mx	.007	1.21
64	MP4B	X	7.104	4.7
65	MP4B	Z	-4.101	4.7
66	MP4B	Mx	.007	4.7
67	MP4C	X	10.233	1.21
68	MP4C	Z	-5.908	1.21
69	MP4C	Mx	-.016	1.21
70	MP4C	X	10.233	4.7
71	MP4C	Z	-5.908	4.7
72	MP4C	Mx	-.016	4.7
73	MP3A	X	.673	2.96
74	MP3A	Z	-.388	2.96
75	MP3A	Mx	-.00028	2.96
76	MP3B	X	.673	2.96
77	MP3B	Z	-.388	2.96
78	MP3B	Mx	.00028	2.96
79	MP3C	X	1.694	2.96
80	MP3C	Z	-.978	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	2.432	1.96
83	MP2A	Z	-1.404	1.96
84	MP2A	Mx	-.001	1.96
85	MP2A	X	2.432	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2A	Z	-1.404	3.96
87	MP2A	Mx	-.001	3.96
88	MP2B	X	2.432	1.96
89	MP2B	Z	-1.404	1.96
90	MP2B	Mx	.001	1.96
91	MP2B	X	2.432	3.96
92	MP2B	Z	-1.404	3.96
93	MP2B	Mx	.001	3.96
94	MP2C	X	4.474	1.96
95	MP2C	Z	-2.583	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	4.474	3.96
98	MP2C	Z	-2.583	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	1.709	2.25
101	MP5A	Z	-.987	2.25
102	MP5A	Mx	.000635	2.25
103	MP5B	X	2.647	2.25
104	MP5B	Z	-1.529	2.25
105	MP5B	Mx	-.000721	2.25
106	MP5C	X	3.586	2.25
107	MP5C	Z	-2.07	2.25
108	MP5C	Mx	-.000357	2.25
109	MP2A	X	2.336	2.25
110	MP2A	Z	-1.348	2.25
111	MP2A	Mx	.001	2.25
112	MP2B	X	2.336	2.25
113	MP2B	Z	-1.348	2.25
114	MP2B	Mx	-.001	2.25
115	MP2C	X	3.56	2.25
116	MP2C	Z	-2.055	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	2.459	2.25
119	MP1A	Z	-1.42	2.25
120	MP1A	Mx	.001	2.25
121	MP1B	X	2.97	2.25
122	MP1B	Z	-1.715	2.25
123	MP1B	Mx	-.001	2.25
124	MP1C	X	3.481	2.25
125	MP1C	Z	-2.01	2.25
126	MP1C	Mx	-.00052	2.25
127	MP4A	X	2.336	2.25
128	MP4A	Z	-1.348	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	2.336	2.25
131	MP4B	Z	-1.348	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	3.56	2.25
134	MP4C	Z	-2.055	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	2.675	2.25
137	MP3A	Z	-1.544	2.25
138	MP3A	Mx	.001	2.25
139	MP3B	X	2.675	2.25
140	MP3B	Z	-1.544	2.25
141	MP3B	Mx	-.001	2.25
142	MP3C	X	3.56	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
143	MP3C	Z	-2.055	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.526	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.005	1.21
4	MP1A	X	8.526	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.005	4.7
7	MP1B	X	13.242	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.01	1.21
10	MP1B	X	13.242	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	-.01	4.7
13	MP1C	X	10.884	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.015	1.21
16	MP1C	X	10.884	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.015	4.7
19	MP1A	X	8.526	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.01	1.21
22	MP1A	X	8.526	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.01	4.7
25	MP1B	X	13.242	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.016	1.21
28	MP1B	X	13.242	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.016	4.7
31	MP1C	X	10.884	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.000641	1.21
34	MP1C	X	10.884	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.000641	4.7
37	MP4A	X	9.953	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.013	1.21
40	MP4A	X	9.953	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.013	4.7
43	MP4B	X	9.134	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.004	1.21
46	MP4B	X	9.134	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.004	4.7
49	MP4C	X	13.566	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.012	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	13.566	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	.012	4.7
55	MP4A	X	9.953	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.002	1.21
58	MP4A	X	9.953	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.002	4.7
61	MP4B	X	9.134	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.011	1.21
64	MP4B	X	9.134	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.011	4.7
67	MP4C	X	13.566	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.015	1.21
70	MP4C	X	13.566	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.015	4.7
73	MP3A	X	.384	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	-.00016	2.96
76	MP3B	X	1.563	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	.000326	2.96
79	MP3C	X	1.563	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	.000326	2.96
82	MP2A	X	2.022	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	-.001	1.96
85	MP2A	X	2.022	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	-.001	3.96
88	MP2B	X	4.38	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	.001	1.96
91	MP2B	X	4.38	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	.001	3.96
94	MP2C	X	4.38	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	.001	1.96
97	MP2C	X	4.38	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	.001	3.96
100	MP5A	X	1.973	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	.000635	2.25
103	MP5B	X	4.141	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	-.000357	2.25
106	MP5C	X	3.057	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	-.000721	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2A	X	2.226	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	.001	2.25
112	MP2B	X	3.639	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	-.00091	2.25
115	MP2C	X	3.639	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	-.00091	2.25
118	MP1A	X	2.839	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	.001	2.25
121	MP1B	X	4.019	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	-.00052	2.25
124	MP1C	X	3.429	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	-.001	2.25
127	MP4A	X	2.226	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	3.639	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.00091	2.25
133	MP4C	X	3.639	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.00091	2.25
136	MP3A	X	2.748	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	.001	2.25
139	MP3B	X	3.77	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	-.000943	2.25
142	MP3C	X	3.77	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	-.000943	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.426	1.21
2	MP1A	Z	5.442	1.21
3	MP1A	Mx	.000641	1.21
4	MP1A	X	9.426	4.7
5	MP1A	Z	5.442	4.7
6	MP1A	Mx	.000641	4.7
7	MP1B	X	11.468	1.21
8	MP1B	Z	6.621	1.21
9	MP1B	Mx	-.016	1.21
10	MP1B	X	11.468	4.7
11	MP1B	Z	6.621	4.7
12	MP1B	Mx	-.016	4.7
13	MP1C	X	7.384	1.21
14	MP1C	Z	4.263	1.21
15	MP1C	Mx	.01	1.21
16	MP1C	X	7.384	4.7
17	MP1C	Z	4.263	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.01	4.7
19	MP1A	X	9.426	1.21
20	MP1A	Z	5.442	1.21
21	MP1A	Mx	-.015	1.21
22	MP1A	X	9.426	4.7
23	MP1A	Z	5.442	4.7
24	MP1A	Mx	-.015	4.7
25	MP1B	X	11.468	1.21
26	MP1B	Z	6.621	1.21
27	MP1B	Mx	.01	1.21
28	MP1B	X	11.468	4.7
29	MP1B	Z	6.621	4.7
30	MP1B	Mx	.01	4.7
31	MP1C	X	7.384	1.21
32	MP1C	Z	4.263	1.21
33	MP1C	Mx	.005	1.21
34	MP1C	X	7.384	4.7
35	MP1C	Z	4.263	4.7
36	MP1C	Mx	.005	4.7
37	MP4A	X	7.104	1.21
38	MP4A	Z	4.101	1.21
39	MP4A	Mx	-.008	1.21
40	MP4A	X	7.104	4.7
41	MP4A	Z	4.101	4.7
42	MP4A	Mx	-.008	4.7
43	MP4B	X	10.233	1.21
44	MP4B	Z	5.908	1.21
45	MP4B	Mx	-.003	1.21
46	MP4B	X	10.233	4.7
47	MP4B	Z	5.908	4.7
48	MP4B	Mx	-.003	4.7
49	MP4C	X	10.942	1.21
50	MP4C	Z	6.317	1.21
51	MP4C	Mx	.016	1.21
52	MP4C	X	10.942	4.7
53	MP4C	Z	6.317	4.7
54	MP4C	Mx	.016	4.7
55	MP4A	X	7.104	1.21
56	MP4A	Z	4.101	1.21
57	MP4A	Mx	-.007	1.21
58	MP4A	X	7.104	4.7
59	MP4A	Z	4.101	4.7
60	MP4A	Mx	-.007	4.7
61	MP4B	X	10.233	1.21
62	MP4B	Z	5.908	1.21
63	MP4B	Mx	.016	1.21
64	MP4B	X	10.233	4.7
65	MP4B	Z	5.908	4.7
66	MP4B	Mx	.016	4.7
67	MP4C	X	10.942	1.21
68	MP4C	Z	6.317	1.21
69	MP4C	Mx	-.007	1.21
70	MP4C	X	10.942	4.7
71	MP4C	Z	6.317	4.7
72	MP4C	Mx	-.007	4.7
73	MP3A	X	.673	2.96
74	MP3A	Z	.388	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.00028	2.96
76	MP3B	X	1.694	2.96
77	MP3B	Z	.978	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	.673	2.96
80	MP3C	Z	.388	2.96
81	MP3C	Mx	.00028	2.96
82	MP2A	X	2.432	1.96
83	MP2A	Z	1.404	1.96
84	MP2A	Mx	-.001	1.96
85	MP2A	X	2.432	3.96
86	MP2A	Z	1.404	3.96
87	MP2A	Mx	-.001	3.96
88	MP2B	X	4.474	1.96
89	MP2B	Z	2.583	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	4.474	3.96
92	MP2B	Z	2.583	3.96
93	MP2B	Mx	0	3.96
94	MP2C	X	2.432	1.96
95	MP2C	Z	1.404	1.96
96	MP2C	Mx	.001	1.96
97	MP2C	X	2.432	3.96
98	MP2C	Z	1.404	3.96
99	MP2C	Mx	.001	3.96
100	MP5A	X	2.647	2.25
101	MP5A	Z	1.529	2.25
102	MP5A	Mx	.00072	2.25
103	MP5B	X	3.586	2.25
104	MP5B	Z	2.07	2.25
105	MP5B	Mx	.000357	2.25
106	MP5C	X	1.709	2.25
107	MP5C	Z	.987	2.25
108	MP5C	Mx	-.000635	2.25
109	MP2A	X	2.336	2.25
110	MP2A	Z	1.348	2.25
111	MP2A	Mx	.001	2.25
112	MP2B	X	3.56	2.25
113	MP2B	Z	2.055	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	2.336	2.25
116	MP2C	Z	1.348	2.25
117	MP2C	Mx	-.001	2.25
118	MP1A	X	2.97	2.25
119	MP1A	Z	1.715	2.25
120	MP1A	Mx	.001	2.25
121	MP1B	X	3.481	2.25
122	MP1B	Z	2.01	2.25
123	MP1B	Mx	.00052	2.25
124	MP1C	X	2.459	2.25
125	MP1C	Z	1.42	2.25
126	MP1C	Mx	-.001	2.25
127	MP4A	X	2.336	2.25
128	MP4A	Z	1.348	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	3.56	2.25
131	MP4B	Z	2.055	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP4B	Mx	0	2.25
133	MP4C	X	2.336	2.25
134	MP4C	Z	1.348	2.25
135	MP4C	Mx	-.001	2.25
136	MP3A	X	2.675	2.25
137	MP3A	Z	1.544	2.25
138	MP3A	Mx	.001	2.25
139	MP3B	X	3.56	2.25
140	MP3B	Z	2.055	2.25
141	MP3B	Mx	0	2.25
142	MP3C	X	2.675	2.25
143	MP3C	Z	1.544	2.25
144	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.621	1.21
2	MP1A	Z	11.468	1.21
3	MP1A	Mx	.01	1.21
4	MP1A	X	6.621	4.7
5	MP1A	Z	11.468	4.7
6	MP1A	Mx	.01	4.7
7	MP1B	X	5.442	1.21
8	MP1B	Z	9.426	1.21
9	MP1B	Mx	-.015	1.21
10	MP1B	X	5.442	4.7
11	MP1B	Z	9.426	4.7
12	MP1B	Mx	-.015	4.7
13	MP1C	X	4.263	1.21
14	MP1C	Z	7.384	1.21
15	MP1C	Mx	.005	1.21
16	MP1C	X	4.263	4.7
17	MP1C	Z	7.384	4.7
18	MP1C	Mx	.005	4.7
19	MP1A	X	6.621	1.21
20	MP1A	Z	11.468	1.21
21	MP1A	Mx	-.016	1.21
22	MP1A	X	6.621	4.7
23	MP1A	Z	11.468	4.7
24	MP1A	Mx	-.016	4.7
25	MP1B	X	5.442	1.21
26	MP1B	Z	9.426	1.21
27	MP1B	Mx	.000641	1.21
28	MP1B	X	5.442	4.7
29	MP1B	Z	9.426	4.7
30	MP1B	Mx	.000641	4.7
31	MP1C	X	4.263	1.21
32	MP1C	Z	7.384	1.21
33	MP1C	Mx	.01	1.21
34	MP1C	X	4.263	4.7
35	MP1C	Z	7.384	4.7
36	MP1C	Mx	.01	4.7
37	MP4A	X	4.567	1.21
38	MP4A	Z	7.91	1.21
39	MP4A	Mx	-.004	1.21
40	MP4A	X	4.567	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	7.91	4.7
42	MP4A	Mx	-.004	4.7
43	MP4B	X	6.783	1.21
44	MP4B	Z	11.748	1.21
45	MP4B	Mx	-.012	1.21
46	MP4B	X	6.783	4.7
47	MP4B	Z	11.748	4.7
48	MP4B	Mx	-.012	4.7
49	MP4C	X	4.977	1.21
50	MP4C	Z	8.62	1.21
51	MP4C	Mx	.013	1.21
52	MP4C	X	4.977	4.7
53	MP4C	Z	8.62	4.7
54	MP4C	Mx	.013	4.7
55	MP4A	X	4.567	1.21
56	MP4A	Z	7.91	1.21
57	MP4A	Mx	-.011	1.21
58	MP4A	X	4.567	4.7
59	MP4A	Z	7.91	4.7
60	MP4A	Mx	-.011	4.7
61	MP4B	X	6.783	1.21
62	MP4B	Z	11.748	1.21
63	MP4B	Mx	.015	1.21
64	MP4B	X	6.783	4.7
65	MP4B	Z	11.748	4.7
66	MP4B	Mx	.015	4.7
67	MP4C	X	4.977	1.21
68	MP4C	Z	8.62	1.21
69	MP4C	Mx	.002	1.21
70	MP4C	X	4.977	4.7
71	MP4C	Z	8.62	4.7
72	MP4C	Mx	.002	4.7
73	MP3A	X	.782	2.96
74	MP3A	Z	1.354	2.96
75	MP3A	Mx	-.000326	2.96
76	MP3B	X	.782	2.96
77	MP3B	Z	1.354	2.96
78	MP3B	Mx	-.000326	2.96
79	MP3C	X	.192	2.96
80	MP3C	Z	.332	2.96
81	MP3C	Mx	.00016	2.96
82	MP2A	X	2.19	1.96
83	MP2A	Z	3.793	1.96
84	MP2A	Mx	-.001	1.96
85	MP2A	X	2.19	3.96
86	MP2A	Z	3.793	3.96
87	MP2A	Mx	-.001	3.96
88	MP2B	X	2.19	1.96
89	MP2B	Z	3.793	1.96
90	MP2B	Mx	-.001	1.96
91	MP2B	X	2.19	3.96
92	MP2B	Z	3.793	3.96
93	MP2B	Mx	-.001	3.96
94	MP2C	X	1.011	1.96
95	MP2C	Z	1.751	1.96
96	MP2C	Mx	.001	1.96
97	MP2C	X	1.011	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	1.751	3.96
99	MP2C	Mx	.001	3.96
100	MP5A	X	2.07	2.25
101	MP5A	Z	3.586	2.25
102	MP5A	Mx	.000357	2.25
103	MP5B	X	1.529	2.25
104	MP5B	Z	2.647	2.25
105	MP5B	Mx	.00072	2.25
106	MP5C	X	.987	2.25
107	MP5C	Z	1.709	2.25
108	MP5C	Mx	-.000635	2.25
109	MP2A	X	1.82	2.25
110	MP2A	Z	3.152	2.25
111	MP2A	Mx	.00091	2.25
112	MP2B	X	1.82	2.25
113	MP2B	Z	3.152	2.25
114	MP2B	Mx	.00091	2.25
115	MP2C	X	1.113	2.25
116	MP2C	Z	1.928	2.25
117	MP2C	Mx	-.001	2.25
118	MP1A	X	2.01	2.25
119	MP1A	Z	3.481	2.25
120	MP1A	Mx	.00052	2.25
121	MP1B	X	1.715	2.25
122	MP1B	Z	2.97	2.25
123	MP1B	Mx	.001	2.25
124	MP1C	X	1.42	2.25
125	MP1C	Z	2.459	2.25
126	MP1C	Mx	-.001	2.25
127	MP4A	X	1.82	2.25
128	MP4A	Z	3.152	2.25
129	MP4A	Mx	.00091	2.25
130	MP4B	X	1.82	2.25
131	MP4B	Z	3.152	2.25
132	MP4B	Mx	.00091	2.25
133	MP4C	X	1.113	2.25
134	MP4C	Z	1.928	2.25
135	MP4C	Mx	-.001	2.25
136	MP3A	X	1.885	2.25
137	MP3A	Z	3.265	2.25
138	MP3A	Mx	.000943	2.25
139	MP3B	X	1.885	2.25
140	MP3B	Z	3.265	2.25
141	MP3B	Mx	.000943	2.25
142	MP3C	X	1.374	2.25
143	MP3C	Z	2.38	2.25
144	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.21
2	MP1A	Z	13.242	1.21
3	MP1A	Mx	.016	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	13.242	4.7
6	MP1A	Mx	.016	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	0	1.21
8	MP1B	Z	8.526	1.21
9	MP1B	Mx	-.01	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	8.526	4.7
12	MP1B	Mx	-.01	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	10.884	1.21
15	MP1C	Mx	-.000641	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	10.884	4.7
18	MP1C	Mx	-.000641	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	13.242	1.21
21	MP1A	Mx	-.01	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	13.242	4.7
24	MP1A	Mx	-.01	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	8.526	1.21
27	MP1B	Mx	-.005	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	8.526	4.7
30	MP1B	Mx	-.005	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	10.884	1.21
33	MP1C	Mx	.015	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	10.884	4.7
36	MP1C	Mx	.015	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	11.816	1.21
39	MP4A	Mx	.003	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	11.816	4.7
42	MP4A	Mx	.003	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	12.635	1.21
45	MP4B	Mx	-.016	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	12.635	4.7
48	MP4B	Mx	-.016	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	8.203	1.21
51	MP4C	Mx	.008	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	8.203	4.7
54	MP4C	Mx	.008	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	11.816	1.21
57	MP4A	Mx	-.016	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	11.816	4.7
60	MP4A	Mx	-.016	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	12.635	1.21
63	MP4B	Mx	.007	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP4B	X	0	4.7
65	MP4B	Z	12.635	4.7
66	MP4B	Mx	.007	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	8.203	1.21
69	MP4C	Mx	.007	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	8.203	4.7
72	MP4C	Mx	.007	4.7
73	MP3A	X	0	2.96
74	MP3A	Z	1.956	2.96
75	MP3A	Mx	0	2.96
76	MP3B	X	0	2.96
77	MP3B	Z	.777	2.96
78	MP3B	Mx	-.00028	2.96
79	MP3C	X	0	2.96
80	MP3C	Z	.777	2.96
81	MP3C	Mx	.00028	2.96
82	MP2A	X	0	1.96
83	MP2A	Z	5.166	1.96
84	MP2A	Mx	0	1.96
85	MP2A	X	0	3.96
86	MP2A	Z	5.166	3.96
87	MP2A	Mx	0	3.96
88	MP2B	X	0	1.96
89	MP2B	Z	2.808	1.96
90	MP2B	Mx	-.001	1.96
91	MP2B	X	0	3.96
92	MP2B	Z	2.808	3.96
93	MP2B	Mx	-.001	3.96
94	MP2C	X	0	1.96
95	MP2C	Z	2.808	1.96
96	MP2C	Mx	.001	1.96
97	MP2C	X	0	3.96
98	MP2C	Z	2.808	3.96
99	MP2C	Mx	.001	3.96
100	MP5A	X	0	2.25
101	MP5A	Z	4.141	2.25
102	MP5A	Mx	-.000357	2.25
103	MP5B	X	0	2.25
104	MP5B	Z	1.973	2.25
105	MP5B	Mx	.000635	2.25
106	MP5C	X	0	2.25
107	MP5C	Z	3.057	2.25
108	MP5C	Mx	-.000721	2.25
109	MP2A	X	0	2.25
110	MP2A	Z	4.111	2.25
111	MP2A	Mx	0	2.25
112	MP2B	X	0	2.25
113	MP2B	Z	2.697	2.25
114	MP2B	Mx	.001	2.25
115	MP2C	X	0	2.25
116	MP2C	Z	2.697	2.25
117	MP2C	Mx	-.001	2.25
118	MP1A	X	0	2.25
119	MP1A	Z	4.019	2.25
120	MP1A	Mx	-.00052	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP1B	X	0	2.25
122	MP1B	Z	2.839	2.25
123	MP1B	Mx	.001	2.25
124	MP1C	X	0	2.25
125	MP1C	Z	3.429	2.25
126	MP1C	Mx	-.001	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	4.111	2.25
129	MP4A	Mx	0	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	2.697	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	2.697	2.25
135	MP4C	Mx	-.001	2.25
136	MP3A	X	0	2.25
137	MP3A	Z	4.111	2.25
138	MP3A	Mx	0	2.25
139	MP3B	X	0	2.25
140	MP3B	Z	3.089	2.25
141	MP3B	Mx	.001	2.25
142	MP3C	X	0	2.25
143	MP3C	Z	3.089	2.25
144	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.442	1.21
2	MP1A	Z	9.426	1.21
3	MP1A	Mx	.015	1.21
4	MP1A	X	-5.442	4.7
5	MP1A	Z	9.426	4.7
6	MP1A	Mx	.015	4.7
7	MP1B	X	-4.263	1.21
8	MP1B	Z	7.384	1.21
9	MP1B	Mx	-.005	1.21
10	MP1B	X	-4.263	4.7
11	MP1B	Z	7.384	4.7
12	MP1B	Mx	-.005	4.7
13	MP1C	X	-6.621	1.21
14	MP1C	Z	11.468	1.21
15	MP1C	Mx	-.01	1.21
16	MP1C	X	-6.621	4.7
17	MP1C	Z	11.468	4.7
18	MP1C	Mx	-.01	4.7
19	MP1A	X	-5.442	1.21
20	MP1A	Z	9.426	1.21
21	MP1A	Mx	-.000641	1.21
22	MP1A	X	-5.442	4.7
23	MP1A	Z	9.426	4.7
24	MP1A	Mx	-.000641	4.7
25	MP1B	X	-4.263	1.21
26	MP1B	Z	7.384	1.21
27	MP1B	Mx	-.01	1.21
28	MP1B	X	-4.263	4.7
29	MP1B	Z	7.384	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	-.01	4.7
31	MP1C	X	-6.621	1.21
32	MP1C	Z	11.468	1.21
33	MP1C	Mx	.016	1.21
34	MP1C	X	-6.621	4.7
35	MP1C	Z	11.468	4.7
36	MP1C	Mx	.016	4.7
37	MP4A	X	-6.783	1.21
38	MP4A	Z	11.748	1.21
39	MP4A	Mx	.012	1.21
40	MP4A	X	-6.783	4.7
41	MP4A	Z	11.748	4.7
42	MP4A	Mx	.012	4.7
43	MP4B	X	-4.977	1.21
44	MP4B	Z	8.62	1.21
45	MP4B	Mx	-.013	1.21
46	MP4B	X	-4.977	4.7
47	MP4B	Z	8.62	4.7
48	MP4B	Mx	-.013	4.7
49	MP4C	X	-4.567	1.21
50	MP4C	Z	7.91	1.21
51	MP4C	Mx	.004	1.21
52	MP4C	X	-4.567	4.7
53	MP4C	Z	7.91	4.7
54	MP4C	Mx	.004	4.7
55	MP4A	X	-6.783	1.21
56	MP4A	Z	11.748	1.21
57	MP4A	Mx	-.015	1.21
58	MP4A	X	-6.783	4.7
59	MP4A	Z	11.748	4.7
60	MP4A	Mx	-.015	4.7
61	MP4B	X	-4.977	1.21
62	MP4B	Z	8.62	1.21
63	MP4B	Mx	-.002	1.21
64	MP4B	X	-4.977	4.7
65	MP4B	Z	8.62	4.7
66	MP4B	Mx	-.002	4.7
67	MP4C	X	-4.567	1.21
68	MP4C	Z	7.91	1.21
69	MP4C	Mx	.011	1.21
70	MP4C	X	-4.567	4.7
71	MP4C	Z	7.91	4.7
72	MP4C	Mx	.011	4.7
73	MP3A	X	-.782	2.96
74	MP3A	Z	1.354	2.96
75	MP3A	Mx	.000326	2.96
76	MP3B	X	-.192	2.96
77	MP3B	Z	.332	2.96
78	MP3B	Mx	-.00016	2.96
79	MP3C	X	-.782	2.96
80	MP3C	Z	1.354	2.96
81	MP3C	Mx	.000326	2.96
82	MP2A	X	-2.19	1.96
83	MP2A	Z	3.793	1.96
84	MP2A	Mx	.001	1.96
85	MP2A	X	-2.19	3.96
86	MP2A	Z	3.793	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP2A	Mx	.001	3.96
88	MP2B	X	-1.011	1.96
89	MP2B	Z	1.751	1.96
90	MP2B	Mx	-.001	1.96
91	MP2B	X	-1.011	3.96
92	MP2B	Z	1.751	3.96
93	MP2B	Mx	-.001	3.96
94	MP2C	X	-2.19	1.96
95	MP2C	Z	3.793	1.96
96	MP2C	Mx	.001	1.96
97	MP2C	X	-2.19	3.96
98	MP2C	Z	3.793	3.96
99	MP2C	Mx	.001	3.96
100	MP5A	X	-1.529	2.25
101	MP5A	Z	2.647	2.25
102	MP5A	Mx	-.000721	2.25
103	MP5B	X	-.987	2.25
104	MP5B	Z	1.709	2.25
105	MP5B	Mx	.000635	2.25
106	MP5C	X	-2.07	2.25
107	MP5C	Z	3.586	2.25
108	MP5C	Mx	-.000357	2.25
109	MP2A	X	-1.82	2.25
110	MP2A	Z	3.152	2.25
111	MP2A	Mx	-.00091	2.25
112	MP2B	X	-1.113	2.25
113	MP2B	Z	1.928	2.25
114	MP2B	Mx	.001	2.25
115	MP2C	X	-1.82	2.25
116	MP2C	Z	3.152	2.25
117	MP2C	Mx	-.00091	2.25
118	MP1A	X	-1.715	2.25
119	MP1A	Z	2.97	2.25
120	MP1A	Mx	-.001	2.25
121	MP1B	X	-1.42	2.25
122	MP1B	Z	2.459	2.25
123	MP1B	Mx	.001	2.25
124	MP1C	X	-2.01	2.25
125	MP1C	Z	3.481	2.25
126	MP1C	Mx	-.00052	2.25
127	MP4A	X	-1.82	2.25
128	MP4A	Z	3.152	2.25
129	MP4A	Mx	-.00091	2.25
130	MP4B	X	-1.113	2.25
131	MP4B	Z	1.928	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	-1.82	2.25
134	MP4C	Z	3.152	2.25
135	MP4C	Mx	-.00091	2.25
136	MP3A	X	-1.885	2.25
137	MP3A	Z	3.265	2.25
138	MP3A	Mx	-.000943	2.25
139	MP3B	X	-1.374	2.25
140	MP3B	Z	2.38	2.25
141	MP3B	Mx	.001	2.25
142	MP3C	X	-1.885	2.25
143	MP3C	Z	3.265	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
144	MP3C	Mx	-.000943	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.384	1.21
2	MP1A	Z	4.263	1.21
3	MP1A	Mx	.01	1.21
4	MP1A	X	-7.384	4.7
5	MP1A	Z	4.263	4.7
6	MP1A	Mx	.01	4.7
7	MP1B	X	-9.426	1.21
8	MP1B	Z	5.442	1.21
9	MP1B	Mx	.000641	1.21
10	MP1B	X	-9.426	4.7
11	MP1B	Z	5.442	4.7
12	MP1B	Mx	.000641	4.7
13	MP1C	X	-11.468	1.21
14	MP1C	Z	6.621	1.21
15	MP1C	Mx	-.016	1.21
16	MP1C	X	-11.468	4.7
17	MP1C	Z	6.621	4.7
18	MP1C	Mx	-.016	4.7
19	MP1A	X	-7.384	1.21
20	MP1A	Z	4.263	1.21
21	MP1A	Mx	.005	1.21
22	MP1A	X	-7.384	4.7
23	MP1A	Z	4.263	4.7
24	MP1A	Mx	.005	4.7
25	MP1B	X	-9.426	1.21
26	MP1B	Z	5.442	1.21
27	MP1B	Mx	-.015	1.21
28	MP1B	X	-9.426	4.7
29	MP1B	Z	5.442	4.7
30	MP1B	Mx	-.015	4.7
31	MP1C	X	-11.468	1.21
32	MP1C	Z	6.621	1.21
33	MP1C	Mx	.01	1.21
34	MP1C	X	-11.468	4.7
35	MP1C	Z	6.621	4.7
36	MP1C	Mx	.01	4.7
37	MP4A	X	-10.942	1.21
38	MP4A	Z	6.317	1.21
39	MP4A	Mx	.016	1.21
40	MP4A	X	-10.942	4.7
41	MP4A	Z	6.317	4.7
42	MP4A	Mx	.016	4.7
43	MP4B	X	-7.104	1.21
44	MP4B	Z	4.101	1.21
45	MP4B	Mx	-.008	1.21
46	MP4B	X	-7.104	4.7
47	MP4B	Z	4.101	4.7
48	MP4B	Mx	-.008	4.7
49	MP4C	X	-10.233	1.21
50	MP4C	Z	5.908	1.21
51	MP4C	Mx	-.003	1.21
52	MP4C	X	-10.233	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	5.908	4.7
54	MP4C	Mx	-.003	4.7
55	MP4A	X	-10.942	1.21
56	MP4A	Z	6.317	1.21
57	MP4A	Mx	-.007	1.21
58	MP4A	X	-10.942	4.7
59	MP4A	Z	6.317	4.7
60	MP4A	Mx	-.007	4.7
61	MP4B	X	-7.104	1.21
62	MP4B	Z	4.101	1.21
63	MP4B	Mx	-.007	1.21
64	MP4B	X	-7.104	4.7
65	MP4B	Z	4.101	4.7
66	MP4B	Mx	-.007	4.7
67	MP4C	X	-10.233	1.21
68	MP4C	Z	5.908	1.21
69	MP4C	Mx	.016	1.21
70	MP4C	X	-10.233	4.7
71	MP4C	Z	5.908	4.7
72	MP4C	Mx	.016	4.7
73	MP3A	X	-.673	2.96
74	MP3A	Z	.388	2.96
75	MP3A	Mx	.00028	2.96
76	MP3B	X	-.673	2.96
77	MP3B	Z	.388	2.96
78	MP3B	Mx	-.00028	2.96
79	MP3C	X	-1.694	2.96
80	MP3C	Z	.978	2.96
81	MP3C	Mx	0	2.96
82	MP2A	X	-2.432	1.96
83	MP2A	Z	1.404	1.96
84	MP2A	Mx	.001	1.96
85	MP2A	X	-2.432	3.96
86	MP2A	Z	1.404	3.96
87	MP2A	Mx	.001	3.96
88	MP2B	X	-2.432	1.96
89	MP2B	Z	1.404	1.96
90	MP2B	Mx	-.001	1.96
91	MP2B	X	-2.432	3.96
92	MP2B	Z	1.404	3.96
93	MP2B	Mx	-.001	3.96
94	MP2C	X	-4.474	1.96
95	MP2C	Z	2.583	1.96
96	MP2C	Mx	0	1.96
97	MP2C	X	-4.474	3.96
98	MP2C	Z	2.583	3.96
99	MP2C	Mx	0	3.96
100	MP5A	X	-1.709	2.25
101	MP5A	Z	.987	2.25
102	MP5A	Mx	-.000635	2.25
103	MP5B	X	-2.647	2.25
104	MP5B	Z	1.529	2.25
105	MP5B	Mx	.000721	2.25
106	MP5C	X	-3.586	2.25
107	MP5C	Z	2.07	2.25
108	MP5C	Mx	.000357	2.25
109	MP2A	X	-2.336	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP2A	Z	1.348	2.25
111	MP2A	Mx	-.001	2.25
112	MP2B	X	-2.336	2.25
113	MP2B	Z	1.348	2.25
114	MP2B	Mx	.001	2.25
115	MP2C	X	-3.56	2.25
116	MP2C	Z	2.055	2.25
117	MP2C	Mx	0	2.25
118	MP1A	X	-2.459	2.25
119	MP1A	Z	1.42	2.25
120	MP1A	Mx	-.001	2.25
121	MP1B	X	-2.97	2.25
122	MP1B	Z	1.715	2.25
123	MP1B	Mx	.001	2.25
124	MP1C	X	-3.481	2.25
125	MP1C	Z	2.01	2.25
126	MP1C	Mx	.00052	2.25
127	MP4A	X	-2.336	2.25
128	MP4A	Z	1.348	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	-2.336	2.25
131	MP4B	Z	1.348	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	-3.56	2.25
134	MP4C	Z	2.055	2.25
135	MP4C	Mx	0	2.25
136	MP3A	X	-2.675	2.25
137	MP3A	Z	1.544	2.25
138	MP3A	Mx	-.001	2.25
139	MP3B	X	-2.675	2.25
140	MP3B	Z	1.544	2.25
141	MP3B	Mx	.001	2.25
142	MP3C	X	-3.56	2.25
143	MP3C	Z	2.055	2.25
144	MP3C	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.526	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.005	1.21
4	MP1A	X	-8.526	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.005	4.7
7	MP1B	X	-13.242	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.01	1.21
10	MP1B	X	-13.242	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.01	4.7
13	MP1C	X	-10.884	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.015	1.21
16	MP1C	X	-10.884	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.015	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP1A	X	-8.526	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.01	1.21
22	MP1A	X	-8.526	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.01	4.7
25	MP1B	X	-13.242	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.016	1.21
28	MP1B	X	-13.242	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.016	4.7
31	MP1C	X	-10.884	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	.000641	1.21
34	MP1C	X	-10.884	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.000641	4.7
37	MP4A	X	-9.953	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.013	1.21
40	MP4A	X	-9.953	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.013	4.7
43	MP4B	X	-9.134	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.004	1.21
46	MP4B	X	-9.134	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.004	4.7
49	MP4C	X	-13.566	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.012	1.21
52	MP4C	X	-13.566	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.012	4.7
55	MP4A	X	-9.953	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.002	1.21
58	MP4A	X	-9.953	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.002	4.7
61	MP4B	X	-9.134	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.011	1.21
64	MP4B	X	-9.134	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.011	4.7
67	MP4C	X	-13.566	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.015	1.21
70	MP4C	X	-13.566	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	.015	4.7
73	MP3A	X	-.384	2.96
74	MP3A	Z	0	2.96
75	MP3A	Mx	.00016	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3B	X	-1.563	2.96
77	MP3B	Z	0	2.96
78	MP3B	Mx	-.000326	2.96
79	MP3C	X	-1.563	2.96
80	MP3C	Z	0	2.96
81	MP3C	Mx	-.000326	2.96
82	MP2A	X	-2.022	1.96
83	MP2A	Z	0	1.96
84	MP2A	Mx	.001	1.96
85	MP2A	X	-2.022	3.96
86	MP2A	Z	0	3.96
87	MP2A	Mx	.001	3.96
88	MP2B	X	-4.38	1.96
89	MP2B	Z	0	1.96
90	MP2B	Mx	-.001	1.96
91	MP2B	X	-4.38	3.96
92	MP2B	Z	0	3.96
93	MP2B	Mx	-.001	3.96
94	MP2C	X	-4.38	1.96
95	MP2C	Z	0	1.96
96	MP2C	Mx	-.001	1.96
97	MP2C	X	-4.38	3.96
98	MP2C	Z	0	3.96
99	MP2C	Mx	-.001	3.96
100	MP5A	X	-1.973	2.25
101	MP5A	Z	0	2.25
102	MP5A	Mx	-.000635	2.25
103	MP5B	X	-4.141	2.25
104	MP5B	Z	0	2.25
105	MP5B	Mx	.000357	2.25
106	MP5C	X	-3.057	2.25
107	MP5C	Z	0	2.25
108	MP5C	Mx	.000721	2.25
109	MP2A	X	-2.226	2.25
110	MP2A	Z	0	2.25
111	MP2A	Mx	-.001	2.25
112	MP2B	X	-3.639	2.25
113	MP2B	Z	0	2.25
114	MP2B	Mx	.00091	2.25
115	MP2C	X	-3.639	2.25
116	MP2C	Z	0	2.25
117	MP2C	Mx	.00091	2.25
118	MP1A	X	-2.839	2.25
119	MP1A	Z	0	2.25
120	MP1A	Mx	-.001	2.25
121	MP1B	X	-4.019	2.25
122	MP1B	Z	0	2.25
123	MP1B	Mx	.00052	2.25
124	MP1C	X	-3.429	2.25
125	MP1C	Z	0	2.25
126	MP1C	Mx	.001	2.25
127	MP4A	X	-2.226	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	-3.639	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	.00091	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
133	MP4C	X	-3.639	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.00091	2.25
136	MP3A	X	-2.748	2.25
137	MP3A	Z	0	2.25
138	MP3A	Mx	-.001	2.25
139	MP3B	X	-3.77	2.25
140	MP3B	Z	0	2.25
141	MP3B	Mx	.000943	2.25
142	MP3C	X	-3.77	2.25
143	MP3C	Z	0	2.25
144	MP3C	Mx	.000943	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.426	1.21
2	MP1A	Z	-5.442	1.21
3	MP1A	Mx	-.000641	1.21
4	MP1A	X	-9.426	4.7
5	MP1A	Z	-5.442	4.7
6	MP1A	Mx	-.000641	4.7
7	MP1B	X	-11.468	1.21
8	MP1B	Z	-6.621	1.21
9	MP1B	Mx	.016	1.21
10	MP1B	X	-11.468	4.7
11	MP1B	Z	-6.621	4.7
12	MP1B	Mx	.016	4.7
13	MP1C	X	-7.384	1.21
14	MP1C	Z	-4.263	1.21
15	MP1C	Mx	-.01	1.21
16	MP1C	X	-7.384	4.7
17	MP1C	Z	-4.263	4.7
18	MP1C	Mx	-.01	4.7
19	MP1A	X	-9.426	1.21
20	MP1A	Z	-5.442	1.21
21	MP1A	Mx	.015	1.21
22	MP1A	X	-9.426	4.7
23	MP1A	Z	-5.442	4.7
24	MP1A	Mx	.015	4.7
25	MP1B	X	-11.468	1.21
26	MP1B	Z	-6.621	1.21
27	MP1B	Mx	-.01	1.21
28	MP1B	X	-11.468	4.7
29	MP1B	Z	-6.621	4.7
30	MP1B	Mx	-.01	4.7
31	MP1C	X	-7.384	1.21
32	MP1C	Z	-4.263	1.21
33	MP1C	Mx	-.005	1.21
34	MP1C	X	-7.384	4.7
35	MP1C	Z	-4.263	4.7
36	MP1C	Mx	-.005	4.7
37	MP4A	X	-7.104	1.21
38	MP4A	Z	-4.101	1.21
39	MP4A	Mx	.008	1.21
40	MP4A	X	-7.104	4.7
41	MP4A	Z	-4.101	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	.008	4.7
43	MP4B	X	-10.233	1.21
44	MP4B	Z	-5.908	1.21
45	MP4B	Mx	.003	1.21
46	MP4B	X	-10.233	4.7
47	MP4B	Z	-5.908	4.7
48	MP4B	Mx	.003	4.7
49	MP4C	X	-10.942	1.21
50	MP4C	Z	-6.317	1.21
51	MP4C	Mx	-.016	1.21
52	MP4C	X	-10.942	4.7
53	MP4C	Z	-6.317	4.7
54	MP4C	Mx	-.016	4.7
55	MP4A	X	-7.104	1.21
56	MP4A	Z	-4.101	1.21
57	MP4A	Mx	.007	1.21
58	MP4A	X	-7.104	4.7
59	MP4A	Z	-4.101	4.7
60	MP4A	Mx	.007	4.7
61	MP4B	X	-10.233	1.21
62	MP4B	Z	-5.908	1.21
63	MP4B	Mx	-.016	1.21
64	MP4B	X	-10.233	4.7
65	MP4B	Z	-5.908	4.7
66	MP4B	Mx	-.016	4.7
67	MP4C	X	-10.942	1.21
68	MP4C	Z	-6.317	1.21
69	MP4C	Mx	.007	1.21
70	MP4C	X	-10.942	4.7
71	MP4C	Z	-6.317	4.7
72	MP4C	Mx	.007	4.7
73	MP3A	X	-.673	2.96
74	MP3A	Z	-.388	2.96
75	MP3A	Mx	.00028	2.96
76	MP3B	X	-1.694	2.96
77	MP3B	Z	-.978	2.96
78	MP3B	Mx	0	2.96
79	MP3C	X	-.673	2.96
80	MP3C	Z	-.388	2.96
81	MP3C	Mx	-.00028	2.96
82	MP2A	X	-2.432	1.96
83	MP2A	Z	-1.404	1.96
84	MP2A	Mx	.001	1.96
85	MP2A	X	-2.432	3.96
86	MP2A	Z	-1.404	3.96
87	MP2A	Mx	.001	3.96
88	MP2B	X	-4.474	1.96
89	MP2B	Z	-2.583	1.96
90	MP2B	Mx	0	1.96
91	MP2B	X	-4.474	3.96
92	MP2B	Z	-2.583	3.96
93	MP2B	Mx	0	3.96
94	MP2C	X	-2.432	1.96
95	MP2C	Z	-1.404	1.96
96	MP2C	Mx	-.001	1.96
97	MP2C	X	-2.432	3.96
98	MP2C	Z	-1.404	3.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP2C	Mx	-.001	3.96
100	MP5A	X	-2.647	2.25
101	MP5A	Z	-1.529	2.25
102	MP5A	Mx	-.00072	2.25
103	MP5B	X	-3.586	2.25
104	MP5B	Z	-2.07	2.25
105	MP5B	Mx	-.000357	2.25
106	MP5C	X	-1.709	2.25
107	MP5C	Z	-.987	2.25
108	MP5C	Mx	.000635	2.25
109	MP2A	X	-2.336	2.25
110	MP2A	Z	-1.348	2.25
111	MP2A	Mx	-.001	2.25
112	MP2B	X	-3.56	2.25
113	MP2B	Z	-2.055	2.25
114	MP2B	Mx	0	2.25
115	MP2C	X	-2.336	2.25
116	MP2C	Z	-1.348	2.25
117	MP2C	Mx	.001	2.25
118	MP1A	X	-2.97	2.25
119	MP1A	Z	-1.715	2.25
120	MP1A	Mx	-.001	2.25
121	MP1B	X	-3.481	2.25
122	MP1B	Z	-2.01	2.25
123	MP1B	Mx	-.00052	2.25
124	MP1C	X	-2.459	2.25
125	MP1C	Z	-1.42	2.25
126	MP1C	Mx	.001	2.25
127	MP4A	X	-2.336	2.25
128	MP4A	Z	-1.348	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	-3.56	2.25
131	MP4B	Z	-2.055	2.25
132	MP4B	Mx	0	2.25
133	MP4C	X	-2.336	2.25
134	MP4C	Z	-1.348	2.25
135	MP4C	Mx	.001	2.25
136	MP3A	X	-2.675	2.25
137	MP3A	Z	-1.544	2.25
138	MP3A	Mx	-.001	2.25
139	MP3B	X	-3.56	2.25
140	MP3B	Z	-2.055	2.25
141	MP3B	Mx	0	2.25
142	MP3C	X	-2.675	2.25
143	MP3C	Z	-1.544	2.25
144	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.621	1.21
2	MP1A	Z	-11.468	1.21
3	MP1A	Mx	-.01	1.21
4	MP1A	X	-6.621	4.7
5	MP1A	Z	-11.468	4.7
6	MP1A	Mx	-.01	4.7
7	MP1B	X	-5.442	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-9.426	1.21
9	MP1B	Mx	.015	1.21
10	MP1B	X	-5.442	4.7
11	MP1B	Z	-9.426	4.7
12	MP1B	Mx	.015	4.7
13	MP1C	X	-4.263	1.21
14	MP1C	Z	-7.384	1.21
15	MP1C	Mx	-.005	1.21
16	MP1C	X	-4.263	4.7
17	MP1C	Z	-7.384	4.7
18	MP1C	Mx	-.005	4.7
19	MP1A	X	-6.621	1.21
20	MP1A	Z	-11.468	1.21
21	MP1A	Mx	.016	1.21
22	MP1A	X	-6.621	4.7
23	MP1A	Z	-11.468	4.7
24	MP1A	Mx	.016	4.7
25	MP1B	X	-5.442	1.21
26	MP1B	Z	-9.426	1.21
27	MP1B	Mx	-.000641	1.21
28	MP1B	X	-5.442	4.7
29	MP1B	Z	-9.426	4.7
30	MP1B	Mx	-.000641	4.7
31	MP1C	X	-4.263	1.21
32	MP1C	Z	-7.384	1.21
33	MP1C	Mx	-.01	1.21
34	MP1C	X	-4.263	4.7
35	MP1C	Z	-7.384	4.7
36	MP1C	Mx	-.01	4.7
37	MP4A	X	-4.567	1.21
38	MP4A	Z	-7.91	1.21
39	MP4A	Mx	.004	1.21
40	MP4A	X	-4.567	4.7
41	MP4A	Z	-7.91	4.7
42	MP4A	Mx	.004	4.7
43	MP4B	X	-6.783	1.21
44	MP4B	Z	-11.748	1.21
45	MP4B	Mx	.012	1.21
46	MP4B	X	-6.783	4.7
47	MP4B	Z	-11.748	4.7
48	MP4B	Mx	.012	4.7
49	MP4C	X	-4.977	1.21
50	MP4C	Z	-8.62	1.21
51	MP4C	Mx	-.013	1.21
52	MP4C	X	-4.977	4.7
53	MP4C	Z	-8.62	4.7
54	MP4C	Mx	-.013	4.7
55	MP4A	X	-4.567	1.21
56	MP4A	Z	-7.91	1.21
57	MP4A	Mx	.011	1.21
58	MP4A	X	-4.567	4.7
59	MP4A	Z	-7.91	4.7
60	MP4A	Mx	.011	4.7
61	MP4B	X	-6.783	1.21
62	MP4B	Z	-11.748	1.21
63	MP4B	Mx	-.015	1.21
64	MP4B	X	-6.783	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP4B	Z	-11.748	4.7
66	MP4B	Mx	-.015	4.7
67	MP4C	X	-4.977	1.21
68	MP4C	Z	-8.62	1.21
69	MP4C	Mx	-.002	1.21
70	MP4C	X	-4.977	4.7
71	MP4C	Z	-8.62	4.7
72	MP4C	Mx	-.002	4.7
73	MP3A	X	-.782	2.96
74	MP3A	Z	-1.354	2.96
75	MP3A	Mx	.000326	2.96
76	MP3B	X	-.782	2.96
77	MP3B	Z	-1.354	2.96
78	MP3B	Mx	.000326	2.96
79	MP3C	X	-.192	2.96
80	MP3C	Z	-.332	2.96
81	MP3C	Mx	-.00016	2.96
82	MP2A	X	-2.19	1.96
83	MP2A	Z	-3.793	1.96
84	MP2A	Mx	.001	1.96
85	MP2A	X	-2.19	3.96
86	MP2A	Z	-3.793	3.96
87	MP2A	Mx	.001	3.96
88	MP2B	X	-2.19	1.96
89	MP2B	Z	-3.793	1.96
90	MP2B	Mx	.001	1.96
91	MP2B	X	-2.19	3.96
92	MP2B	Z	-3.793	3.96
93	MP2B	Mx	.001	3.96
94	MP2C	X	-1.011	1.96
95	MP2C	Z	-1.751	1.96
96	MP2C	Mx	-.001	1.96
97	MP2C	X	-1.011	3.96
98	MP2C	Z	-1.751	3.96
99	MP2C	Mx	-.001	3.96
100	MP5A	X	-2.07	2.25
101	MP5A	Z	-3.586	2.25
102	MP5A	Mx	-.000357	2.25
103	MP5B	X	-1.529	2.25
104	MP5B	Z	-2.647	2.25
105	MP5B	Mx	-.00072	2.25
106	MP5C	X	-.987	2.25
107	MP5C	Z	-1.709	2.25
108	MP5C	Mx	.000635	2.25
109	MP2A	X	-1.82	2.25
110	MP2A	Z	-3.152	2.25
111	MP2A	Mx	-.00091	2.25
112	MP2B	X	-1.82	2.25
113	MP2B	Z	-3.152	2.25
114	MP2B	Mx	-.00091	2.25
115	MP2C	X	-1.113	2.25
116	MP2C	Z	-1.928	2.25
117	MP2C	Mx	.001	2.25
118	MP1A	X	-2.01	2.25
119	MP1A	Z	-3.481	2.25
120	MP1A	Mx	-.00052	2.25
121	MP1B	X	-1.715	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	MP1B	Z	-2.97	2.25
123	MP1B	Mx	-.001	2.25
124	MP1C	X	-1.42	2.25
125	MP1C	Z	-2.459	2.25
126	MP1C	Mx	.001	2.25
127	MP4A	X	-1.82	2.25
128	MP4A	Z	-3.152	2.25
129	MP4A	Mx	-.00091	2.25
130	MP4B	X	-1.82	2.25
131	MP4B	Z	-3.152	2.25
132	MP4B	Mx	-.00091	2.25
133	MP4C	X	-1.113	2.25
134	MP4C	Z	-1.928	2.25
135	MP4C	Mx	.001	2.25
136	MP3A	X	-1.885	2.25
137	MP3A	Z	-3.265	2.25
138	MP3A	Mx	-.000943	2.25
139	MP3B	X	-1.885	2.25
140	MP3B	Z	-3.265	2.25
141	MP3B	Mx	-.000943	2.25
142	MP3C	X	-1.374	2.25
143	MP3C	Z	-2.38	2.25
144	MP3C	Mx	.001	2.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-500	%76

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M27	Y	-500	%93

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M24	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	0	1.21
2	MP1A	My	0	1.21
3	MP1A	Mz	0	1.21
4	MP1A	Y	0	4.7
5	MP1A	My	0	4.7
6	MP1A	Mz	0	4.7
7	MP1B	Y	0	1.21
8	MP1B	My	0	1.21
9	MP1B	Mz	0	1.21
10	MP1B	Y	0	4.7
11	MP1B	My	0	4.7
12	MP1B	Mz	0	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	Y	0	1.21
14	MP1C	My	0	1.21
15	MP1C	Mz	0	1.21
16	MP1C	Y	0	4.7
17	MP1C	My	0	4.7
18	MP1C	Mz	0	4.7
19	MP1A	Y	0	1.21
20	MP1A	My	0	1.21
21	MP1A	Mz	0	1.21
22	MP1A	Y	0	4.7
23	MP1A	My	0	4.7
24	MP1A	Mz	0	4.7
25	MP1B	Y	0	1.21
26	MP1B	My	0	1.21
27	MP1B	Mz	0	1.21
28	MP1B	Y	0	4.7
29	MP1B	My	0	4.7
30	MP1B	Mz	0	4.7
31	MP1C	Y	0	1.21
32	MP1C	My	0	1.21
33	MP1C	Mz	0	1.21
34	MP1C	Y	0	4.7
35	MP1C	My	0	4.7
36	MP1C	Mz	0	4.7
37	MP4A	Y	0	1.21
38	MP4A	My	0	1.21
39	MP4A	Mz	0	1.21
40	MP4A	Y	0	4.7
41	MP4A	My	0	4.7
42	MP4A	Mz	0	4.7
43	MP4B	Y	0	1.21
44	MP4B	My	0	1.21
45	MP4B	Mz	0	1.21
46	MP4B	Y	0	4.7
47	MP4B	My	0	4.7
48	MP4B	Mz	0	4.7
49	MP4C	Y	0	1.21
50	MP4C	My	0	1.21
51	MP4C	Mz	0	1.21
52	MP4C	Y	0	4.7
53	MP4C	My	0	4.7
54	MP4C	Mz	0	4.7
55	MP4A	Y	0	1.21
56	MP4A	My	0	1.21
57	MP4A	Mz	0	1.21
58	MP4A	Y	0	4.7
59	MP4A	My	0	4.7
60	MP4A	Mz	0	4.7
61	MP4B	Y	0	1.21
62	MP4B	My	0	1.21
63	MP4B	Mz	0	1.21
64	MP4B	Y	0	4.7
65	MP4B	My	0	4.7
66	MP4B	Mz	0	4.7
67	MP4C	Y	0	1.21
68	MP4C	My	0	1.21
69	MP4C	Mz	0	1.21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4C	Y	0	4.7
71	MP4C	My	0	4.7
72	MP4C	Mz	0	4.7
73	MP3A	Y	0	2.96
74	MP3A	My	0	2.96
75	MP3A	Mz	0	2.96
76	MP3B	Y	0	2.96
77	MP3B	My	0	2.96
78	MP3B	Mz	0	2.96
79	MP3C	Y	0	2.96
80	MP3C	My	0	2.96
81	MP3C	Mz	0	2.96
82	MP2A	Y	0	1.96
83	MP2A	My	0	1.96
84	MP2A	Mz	0	1.96
85	MP2A	Y	0	3.96
86	MP2A	My	0	3.96
87	MP2A	Mz	0	3.96
88	MP2B	Y	0	1.96
89	MP2B	My	0	1.96
90	MP2B	Mz	0	1.96
91	MP2B	Y	0	3.96
92	MP2B	My	0	3.96
93	MP2B	Mz	0	3.96
94	MP2C	Y	0	1.96
95	MP2C	My	0	1.96
96	MP2C	Mz	0	1.96
97	MP2C	Y	0	3.96
98	MP2C	My	0	3.96
99	MP2C	Mz	0	3.96
100	MP5A	Y	0	2.25
101	MP5A	My	0	2.25
102	MP5A	Mz	0	2.25
103	MP5B	Y	0	2.25
104	MP5B	My	0	2.25
105	MP5B	Mz	0	2.25
106	MP5C	Y	0	2.25
107	MP5C	My	0	2.25
108	MP5C	Mz	0	2.25
109	MP2A	Y	0	2.25
110	MP2A	My	0	2.25
111	MP2A	Mz	0	2.25
112	MP2B	Y	0	2.25
113	MP2B	My	0	2.25
114	MP2B	Mz	0	2.25
115	MP2C	Y	0	2.25
116	MP2C	My	0	2.25
117	MP2C	Mz	0	2.25
118	MP1A	Y	0	2.25
119	MP1A	My	0	2.25
120	MP1A	Mz	0	2.25
121	MP1B	Y	0	2.25
122	MP1B	My	0	2.25
123	MP1B	Mz	0	2.25
124	MP1C	Y	0	2.25
125	MP1C	My	0	2.25
126	MP1C	Mz	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
127	MP4A	Y	0	2.25
128	MP4A	My	0	2.25
129	MP4A	Mz	0	2.25
130	MP4B	Y	0	2.25
131	MP4B	My	0	2.25
132	MP4B	Mz	0	2.25
133	MP4C	Y	0	2.25
134	MP4C	My	0	2.25
135	MP4C	Mz	0	2.25
136	MP3A	Y	0	2.25
137	MP3A	My	0	2.25
138	MP3A	Mz	0	2.25
139	MP3B	Y	0	2.25
140	MP3B	My	0	2.25
141	MP3B	Mz	0	2.25
142	MP3C	Y	0	2.25
143	MP3C	My	0	2.25
144	MP3C	Mz	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-1.305	1.21
2	MP1A	Mx	-.002	1.21
3	MP1A	Z	-1.305	4.7
4	MP1A	Mx	-.002	4.7
5	MP1B	Z	-1.305	1.21
6	MP1B	Mx	.001	1.21
7	MP1B	Z	-1.305	4.7
8	MP1B	Mx	.001	4.7
9	MP1C	Z	-1.305	1.21
10	MP1C	Mx	7.7e-5	1.21
11	MP1C	Z	-1.305	4.7
12	MP1C	Mx	7.7e-5	4.7
13	MP1A	Z	-1.305	1.21
14	MP1A	Mx	.000951	1.21
15	MP1A	Z	-1.305	4.7
16	MP1A	Mx	.000951	4.7
17	MP1B	Z	-1.305	1.21
18	MP1B	Mx	.000818	1.21
19	MP1B	Z	-1.305	4.7
20	MP1B	Mx	.000818	4.7
21	MP1C	Z	-1.305	1.21
22	MP1C	Mx	-.002	1.21
23	MP1C	Z	-1.305	4.7
24	MP1C	Mx	-.002	4.7
25	MP4A	Z	-1.305	1.21
26	MP4A	Mx	-.000383	1.21
27	MP4A	Z	-1.305	4.7
28	MP4A	Mx	-.000383	4.7
29	MP4B	Z	-1.305	1.21
30	MP4B	Mx	.002	1.21
31	MP4B	Z	-1.305	4.7
32	MP4B	Mx	.002	4.7
33	MP4C	Z	-1.305	1.21
34	MP4C	Mx	-.001	1.21
35	MP4C	Z	-1.305	4.7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP4C	Mx	-.001	4.7
37	MP4A	Z	-1.305	1.21
38	MP4A	Mx	.002	1.21
39	MP4A	Z	-1.305	4.7
40	MP4A	Mx	.002	4.7
41	MP4B	Z	-1.305	1.21
42	MP4B	Mx	-.000677	1.21
43	MP4B	Z	-1.305	4.7
44	MP4B	Mx	-.000677	4.7
45	MP4C	Z	-1.305	1.21
46	MP4C	Mx	-.001	1.21
47	MP4C	Z	-1.305	4.7
48	MP4C	Mx	-.001	4.7
49	MP3A	Z	-.132	2.96
50	MP3A	Mx	0	2.96
51	MP3B	Z	-.132	2.96
52	MP3B	Mx	4.8e-5	2.96
53	MP3C	Z	-.132	2.96
54	MP3C	Mx	-4.8e-5	2.96
55	MP2A	Z	-1.306	1.96
56	MP2A	Mx	0	1.96
57	MP2A	Z	-1.306	3.96
58	MP2A	Mx	0	3.96
59	MP2B	Z	-1.306	1.96
60	MP2B	Mx	.000566	1.96
61	MP2B	Z	-1.306	3.96
62	MP2B	Mx	.000566	3.96
63	MP2C	Z	-1.306	1.96
64	MP2C	Mx	-.000566	1.96
65	MP2C	Z	-1.306	3.96
66	MP2C	Mx	-.000566	3.96
67	MP5A	Z	-1.587	2.25
68	MP5A	Mx	.000137	2.25
69	MP5B	Z	-1.587	2.25
70	MP5B	Mx	-.000511	2.25
71	MP5C	Z	-1.587	2.25
72	MP5C	Mx	.000374	2.25
73	MP2A	Z	-2.109	2.25
74	MP2A	Mx	0	2.25
75	MP2B	Z	-2.109	2.25
76	MP2B	Mx	-.000913	2.25
77	MP2C	Z	-2.109	2.25
78	MP2C	Mx	.000913	2.25
79	MP1A	Z	-2.532	2.25
80	MP1A	Mx	.000328	2.25
81	MP1B	Z	-2.532	2.25
82	MP1B	Mx	-.001	2.25
83	MP1C	Z	-2.532	2.25
84	MP1C	Mx	.000895	2.25
85	MP4A	Z	-2.109	2.25
86	MP4A	Mx	0	2.25
87	MP4B	Z	-2.109	2.25
88	MP4B	Mx	-.000913	2.25
89	MP4C	Z	-2.109	2.25
90	MP4C	Mx	.000913	2.25
91	MP3A	Z	-2.532	2.25
92	MP3A	Mx	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP3B	Z	-2.532	2.25
94	MP3B	Mx	-.001	2.25
95	MP3C	Z	-2.532	2.25
96	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.305	1.21
2	MP1A	Mx	-.000818	1.21
3	MP1A	X	1.305	4.7
4	MP1A	Mx	-.000818	4.7
5	MP1B	X	1.305	1.21
6	MP1B	Mx	-.000951	1.21
7	MP1B	X	1.305	4.7
8	MP1B	Mx	-.000951	4.7
9	MP1C	X	1.305	1.21
10	MP1C	Mx	.002	1.21
11	MP1C	X	1.305	4.7
12	MP1C	Mx	.002	4.7
13	MP1A	X	1.305	1.21
14	MP1A	Mx	-.001	1.21
15	MP1A	X	1.305	4.7
16	MP1A	Mx	-.001	4.7
17	MP1B	X	1.305	1.21
18	MP1B	Mx	.002	1.21
19	MP1B	X	1.305	4.7
20	MP1B	Mx	.002	4.7
21	MP1C	X	1.305	1.21
22	MP1C	Mx	-7.7e-5	1.21
23	MP1C	X	1.305	4.7
24	MP1C	Mx	-7.7e-5	4.7
25	MP4A	X	1.305	1.21
26	MP4A	Mx	-.002	1.21
27	MP4A	X	1.305	4.7
28	MP4A	Mx	-.002	4.7
29	MP4B	X	1.305	1.21
30	MP4B	Mx	.000533	1.21
31	MP4B	X	1.305	4.7
32	MP4B	Mx	.000533	4.7
33	MP4C	X	1.305	1.21
34	MP4C	Mx	.001	1.21
35	MP4C	X	1.305	4.7
36	MP4C	Mx	.001	4.7
37	MP4A	X	1.305	1.21
38	MP4A	Mx	-.000231	1.21
39	MP4A	X	1.305	4.7
40	MP4A	Mx	-.000231	4.7
41	MP4B	X	1.305	1.21
42	MP4B	Mx	.002	1.21
43	MP4B	X	1.305	4.7
44	MP4B	Mx	.002	4.7
45	MP4C	X	1.305	1.21
46	MP4C	Mx	-.001	1.21
47	MP4C	X	1.305	4.7
48	MP4C	Mx	-.001	4.7
49	MP3A	X	.132	2.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3A	Mx	-5.5e-5	2.96
51	MP3B	X	.132	2.96
52	MP3B	Mx	2.8e-5	2.96
53	MP3C	X	.132	2.96
54	MP3C	Mx	2.8e-5	2.96
55	MP2A	X	1.306	1.96
56	MP2A	Mx	-.000653	1.96
57	MP2A	X	1.306	3.96
58	MP2A	Mx	-.000653	3.96
59	MP2B	X	1.306	1.96
60	MP2B	Mx	.000327	1.96
61	MP2B	X	1.306	3.96
62	MP2B	Mx	.000327	3.96
63	MP2C	X	1.306	1.96
64	MP2C	Mx	.000327	1.96
65	MP2C	X	1.306	3.96
66	MP2C	Mx	.000327	3.96
67	MP5A	X	1.587	2.25
68	MP5A	Mx	.000511	2.25
69	MP5B	X	1.587	2.25
70	MP5B	Mx	-.000137	2.25
71	MP5C	X	1.587	2.25
72	MP5C	Mx	-.000374	2.25
73	MP2A	X	2.109	2.25
74	MP2A	Mx	.001	2.25
75	MP2B	X	2.109	2.25
76	MP2B	Mx	-.000527	2.25
77	MP2C	X	2.109	2.25
78	MP2C	Mx	-.000527	2.25
79	MP1A	X	2.532	2.25
80	MP1A	Mx	.001	2.25
81	MP1B	X	2.532	2.25
82	MP1B	Mx	-.000328	2.25
83	MP1C	X	2.532	2.25
84	MP1C	Mx	-.000895	2.25
85	MP4A	X	2.109	2.25
86	MP4A	Mx	.001	2.25
87	MP4B	X	2.109	2.25
88	MP4B	Mx	-.000527	2.25
89	MP4C	X	2.109	2.25
90	MP4C	Mx	-.000527	2.25
91	MP3A	X	2.532	2.25
92	MP3A	Mx	.001	2.25
93	MP3B	X	2.532	2.25
94	MP3B	Mx	-.000633	2.25
95	MP3C	X	2.532	2.25
96	MP3C	Mx	-.000633	2.25

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	M4	Y	-7.697	-7.697	0	%100
2	M5	Y	-7.697	-7.697	0	%100
3	M10	Y	-7.697	-7.697	0	%100
4	M11	Y	-7.697	-7.697	0	%100
5	M16	Y	-7.697	-7.697	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,%]
6	M17	Y	-7.697	-7.697	0	%100
7	M18	Y	-10.244	-10.244	0	%100
8	M19	Y	-6.64	-6.64	0	%100
9	M20	Y	-6.64	-6.64	0	%100
10	M21	Y	-6.64	-6.64	0	%100
11	M22	Y	-6.64	-6.64	0	%100
12	M23	Y	-6.64	-6.64	0	%100
13	M24	Y	-6.64	-6.64	0	%100
14	M25	Y	-6.64	-6.64	0	%100
15	M26	Y	-6.64	-6.64	0	%100
16	M27	Y	-6.64	-6.64	0	%100
17	M28	Y	-5.808	-5.808	0	%100
18	M29	Y	-5.808	-5.808	0	%100
19	M30	Y	-5.808	-5.808	0	%100
20	M31	Y	-5.808	-5.808	0	%100
21	M32	Y	-5.808	-5.808	0	%100
22	M33	Y	-5.808	-5.808	0	%100
23	M38	Y	-5.808	-5.808	0	%100
24	M39	Y	-5.808	-5.808	0	%100
25	M44	Y	-5.808	-5.808	0	%100
26	M45	Y	-5.808	-5.808	0	%100
27	M50	Y	-5.808	-5.808	0	%100
28	M51	Y	-5.808	-5.808	0	%100
29	MP5A	Y	-5.039	-5.039	0	%100
30	MP4A	Y	-5.039	-5.039	0	%100
31	MP3A	Y	-5.039	-5.039	0	%100
32	MP2A	Y	-5.039	-5.039	0	%100
33	MP1A	Y	-5.039	-5.039	0	%100
34	MP5C	Y	-5.039	-5.039	0	%100
35	MP4C	Y	-5.039	-5.039	0	%100
36	MP3C	Y	-5.039	-5.039	0	%100
37	MP2C	Y	-5.039	-5.039	0	%100
38	MP1C	Y	-5.039	-5.039	0	%100
39	MP5B	Y	-5.039	-5.039	0	%100
40	MP4B	Y	-5.039	-5.039	0	%100
41	MP3B	Y	-5.039	-5.039	0	%100
42	MP2B	Y	-5.039	-5.039	0	%100
43	MP1B	Y	-5.039	-5.039	0	%100
44	M122A	Y	-10.244	-10.244	0	%100
45	M123A	Y	-10.244	-10.244	0	%100
46	M128	Y	-5.808	-5.808	0	%100
47	M129	Y	-5.808	-5.808	0	%100
48	M138	Y	-5.808	-5.808	0	%100
49	M141	Y	-5.808	-5.808	0	%100
50	M150	Y	-5.808	-5.808	0	%100
51	M153	Y	-5.808	-5.808	0	%100
52	M100A	Y	-5.75	-5.75	0	%100
53	M108	Y	-5.75	-5.75	0	%100
54	M116	Y	-5.75	-5.75	0	%100
55	M124A	Y	-7.697	-7.697	0	%100
56	M125A	Y	-7.697	-7.697	0	%100
57	M126	Y	-7.697	-7.697	0	%100
58	M133	Y	-5.75	-5.75	0	%100
59	M141A	Y	-5.75	-5.75	0	%100
60	M149A	Y	-5.75	-5.75	0	%100
61	M157	Y	-7.697	-7.697	0	%100
62	M158	Y	-7.697	-7.697	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,%]
63	M159	Y	-7.697	-7.697	0	%100
64	M160	Y	-6.69	-6.69	0	%100
65	M161	Y	-6.69	-6.69	0	%100
66	M162	Y	-6.69	-6.69	0	%100
67	M163	Y	-6.69	-6.69	0	%100
68	M164	Y	-6.69	-6.69	0	%100
69	M165	Y	-6.69	-6.69	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-6.128	-6.128	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-7.315	-7.315	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-6.128	-6.128	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-7.315	-7.315	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-5.006	-5.006	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-2.433	-2.433	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-2.433	-2.433	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-9.734	-9.734	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-2.384	-2.384	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-2.384	-2.384	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-9.537	-9.537	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-2.433	-2.433	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-2.433	-2.433	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-9.734	-9.734	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-9e-6	-9e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-5.138	-5.138	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-5.151	-5.151	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-5.138	-5.138	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-9e-6	-9e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-5.151	-5.151	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	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,%]
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-8.378	-8.378	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-5.027	-5.027	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-8.378	-8.378	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-5.027	-5.027	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-7.926	-7.926	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-7.926	-7.926	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-7.926	-7.926	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-7.926	-7.926	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-7.926	-7.926	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-7.926	-7.926	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-7.926	-7.926	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-7.926	-7.926	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-7.926	-7.926	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-7.926	-7.926	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-7.926	-7.926	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-7.926	-7.926	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-7.926	-7.926	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-7.926	-7.926	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-7.926	-7.926	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-20.024	-20.024	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-5.006	-5.006	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	-7e-6	-7e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-7e-6	-7e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-4.18	-4.18	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-4.191	-4.191	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-4.191	-4.191	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-4.18	-4.18	0	%100
103	M100A	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,%]
104	M100A	Z	-9.595	-9.595	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	-2.399	-2.399	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-2.399	-2.399	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	-3.157	-3.157	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-3.158	-3.158	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-12.629	-12.629	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	-9.595	-9.595	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	-2.399	-2.399	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	-2.399	-2.399	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	-3.157	-3.157	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	-3.158	-3.158	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	-12.629	-12.629	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	-7.953	-7.953	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	-7.953	-7.953	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	-10.951	-10.951	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	-1.505	-1.505	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	-1.505	-1.505	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	-10.951	-10.951	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	M4	X	1.021	1.021	0	%100
2	M4	Z	-1.769	-1.769	0	%100
3	M5	X	1.219	1.219	0	%100
4	M5	Z	-2.112	-2.112	0	%100
5	M10	X	1.021	1.021	0	%100
6	M10	Z	-1.769	-1.769	0	%100
7	M11	X	1.219	1.219	0	%100
8	M11	Z	-2.112	-2.112	0	%100
9	M16	X	4.086	4.086	0	%100
10	M16	Z	-7.077	-7.077	0	%100
11	M17	X	4.876	4.876	0	%100
12	M17	Z	-8.446	-8.446	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	3.65	3.65	0	%100
16	M19	Z	-6.322	-6.322	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M21	X	3.65	3.65	0	%100
20	M21	Z	-6.322	-6.322	0	%100
21	M22	X	3.577	3.577	0	%100
22	M22	Z	-6.195	-6.195	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	3.577	3.577	0	%100
26	M24	Z	-6.195	-6.195	0	%100
27	M25	X	3.65	3.65	0	%100
28	M25	Z	-6.322	-6.322	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	3.65	3.65	0	%100
32	M27	Z	-6.322	-6.322	0	%100
33	M28	X	.861	.861	0	%100
34	M28	Z	-1.491	-1.491	0	%100
35	M29	X	.854	.854	0	%100
36	M29	Z	-1.479	-1.479	0	%100
37	M30	X	3.43	3.43	0	%100
38	M30	Z	-5.94	-5.94	0	%100
39	M31	X	3.43	3.43	0	%100
40	M31	Z	-5.94	-5.94	0	%100
41	M32	X	.854	.854	0	%100
42	M32	Z	-1.479	-1.479	0	%100
43	M33	X	.861	.861	0	%100
44	M33	Z	-1.491	-1.491	0	%100
45	M38	X	1.396	1.396	0	%100
46	M38	Z	-2.419	-2.419	0	%100
47	M39	X	.838	.838	0	%100
48	M39	Z	-1.451	-1.451	0	%100
49	M44	X	1.396	1.396	0	%100
50	M44	Z	-2.419	-2.419	0	%100
51	M45	X	.838	.838	0	%100
52	M45	Z	-1.451	-1.451	0	%100
53	M50	X	5.585	5.585	0	%100
54	M50	Z	-9.674	-9.674	0	%100
55	M51	X	3.351	3.351	0	%100
56	M51	Z	-5.804	-5.804	0	%100
57	MP5A	X	3.963	3.963	0	%100
58	MP5A	Z	-6.864	-6.864	0	%100
59	MP4A	X	3.963	3.963	0	%100
60	MP4A	Z	-6.864	-6.864	0	%100
61	MP3A	X	3.963	3.963	0	%100
62	MP3A	Z	-6.864	-6.864	0	%100
63	MP2A	X	3.963	3.963	0	%100
64	MP2A	Z	-6.864	-6.864	0	%100
65	MP1A	X	3.963	3.963	0	%100
66	MP1A	Z	-6.864	-6.864	0	%100
67	MP5C	X	3.963	3.963	0	%100
68	MP5C	Z	-6.864	-6.864	0	%100
69	MP4C	X	3.963	3.963	0	%100
70	MP4C	Z	-6.864	-6.864	0	%100
71	MP3C	X	3.963	3.963	0	%100
72	MP3C	Z	-6.864	-6.864	0	%100
73	MP2C	X	3.963	3.963	0	%100
74	MP2C	Z	-6.864	-6.864	0	%100
75	MP1C	X	3.963	3.963	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,%]
76	MP1C	Z	-6.864	-6.864	0	%100
77	MP5B	X	3.963	3.963	0	%100
78	MP5B	Z	-6.864	-6.864	0	%100
79	MP4B	X	3.963	3.963	0	%100
80	MP4B	Z	-6.864	-6.864	0	%100
81	MP3B	X	3.963	3.963	0	%100
82	MP3B	Z	-6.864	-6.864	0	%100
83	MP2B	X	3.963	3.963	0	%100
84	MP2B	Z	-6.864	-6.864	0	%100
85	MP1B	X	3.963	3.963	0	%100
86	MP1B	Z	-6.864	-6.864	0	%100
87	M122A	X	7.509	7.509	0	%100
88	M122A	Z	-13.006	-13.006	0	%100
89	M123A	X	7.509	7.509	0	%100
90	M123A	Z	-13.006	-13.006	0	%100
91	M128	X	.7	.7	0	%100
92	M128	Z	-1.213	-1.213	0	%100
93	M129	X	.695	.695	0	%100
94	M129	Z	-1.204	-1.204	0	%100
95	M138	X	.695	.695	0	%100
96	M138	Z	-1.204	-1.204	0	%100
97	M141	X	.7	.7	0	%100
98	M141	Z	-1.213	-1.213	0	%100
99	M150	X	2.79	2.79	0	%100
100	M150	Z	-4.833	-4.833	0	%100
101	M153	X	2.79	2.79	0	%100
102	M153	Z	-4.833	-4.833	0	%100
103	M100A	X	3.598	3.598	0	%100
104	M100A	Z	-6.232	-6.232	0	%100
105	M108	X	3.598	3.598	0	%100
106	M108	Z	-6.232	-6.232	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	4.736	4.736	0	%100
110	M124A	Z	-8.203	-8.203	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	4.736	4.736	0	%100
114	M126	Z	-8.203	-8.203	0	%100
115	M133	X	3.598	3.598	0	%100
116	M133	Z	-6.232	-6.232	0	%100
117	M141A	X	3.598	3.598	0	%100
118	M141A	Z	-6.232	-6.232	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	4.736	4.736	0	%100
122	M157	Z	-8.203	-8.203	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	4.736	4.736	0	%100
126	M159	Z	-8.203	-8.203	0	%100
127	M160	X	1.327	1.327	0	%100
128	M160	Z	-2.299	-2.299	0	%100
129	M161	X	6.05	6.05	0	%100
130	M161	Z	-10.48	-10.48	0	%100
131	M162	X	6.05	6.05	0	%100
132	M162	Z	-10.48	-10.48	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,%]
133	M163	X	1.327	1.327	0	%100
134	M163	Z	-2.299	-2.299	0	%100
135	M164	X	2.827	2.827	0	%100
136	M164	Z	-4.896	-4.896	0	%100
137	M165	X	2.827	2.827	0	%100
138	M165	Z	-4.896	-4.896	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	M4	X	5.307	5.307	0	%100
2	M4	Z	-3.064	-3.064	0	%100
3	M5	X	6.335	6.335	0	%100
4	M5	Z	-3.657	-3.657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	5.307	5.307	0	%100
10	M16	Z	-3.064	-3.064	0	%100
11	M17	X	6.335	6.335	0	%100
12	M17	Z	-3.657	-3.657	0	%100
13	M18	X	4.335	4.335	0	%100
14	M18	Z	-2.503	-2.503	0	%100
15	M19	X	8.43	8.43	0	%100
16	M19	Z	-4.867	-4.867	0	%100
17	M20	X	2.107	2.107	0	%100
18	M20	Z	-1.217	-1.217	0	%100
19	M21	X	2.107	2.107	0	%100
20	M21	Z	-1.217	-1.217	0	%100
21	M22	X	8.26	8.26	0	%100
22	M22	Z	-4.769	-4.769	0	%100
23	M23	X	2.065	2.065	0	%100
24	M23	Z	-1.192	-1.192	0	%100
25	M24	X	2.065	2.065	0	%100
26	M24	Z	-1.192	-1.192	0	%100
27	M25	X	8.43	8.43	0	%100
28	M25	Z	-4.867	-4.867	0	%100
29	M26	X	2.107	2.107	0	%100
30	M26	Z	-1.217	-1.217	0	%100
31	M27	X	2.107	2.107	0	%100
32	M27	Z	-1.217	-1.217	0	%100
33	M28	X	4.461	4.461	0	%100
34	M28	Z	-2.576	-2.576	0	%100
35	M29	X	7e-6	7e-6	0	%100
36	M29	Z	-4e-6	-4e-6	0	%100
37	M30	X	4.449	4.449	0	%100
38	M30	Z	-2.569	-2.569	0	%100
39	M31	X	4.461	4.461	0	%100
40	M31	Z	-2.576	-2.576	0	%100
41	M32	X	4.449	4.449	0	%100
42	M32	Z	-2.569	-2.569	0	%100
43	M33	X	7e-6	7e-6	0	%100
44	M33	Z	-4e-6	-4e-6	0	%100
45	M38	X	7.256	7.256	0	%100
46	M38	Z	-4.189	-4.189	0	%100
47	M39	X	4.353	4.353	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,%]
48	M39	Z	-2.513	-2.513	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	7.256	7.256	0	%100
54	M50	Z	-4.189	-4.189	0	%100
55	M51	X	4.353	4.353	0	%100
56	M51	Z	-2.513	-2.513	0	%100
57	MP5A	X	6.864	6.864	0	%100
58	MP5A	Z	-3.963	-3.963	0	%100
59	MP4A	X	6.864	6.864	0	%100
60	MP4A	Z	-3.963	-3.963	0	%100
61	MP3A	X	6.864	6.864	0	%100
62	MP3A	Z	-3.963	-3.963	0	%100
63	MP2A	X	6.864	6.864	0	%100
64	MP2A	Z	-3.963	-3.963	0	%100
65	MP1A	X	6.864	6.864	0	%100
66	MP1A	Z	-3.963	-3.963	0	%100
67	MP5C	X	6.864	6.864	0	%100
68	MP5C	Z	-3.963	-3.963	0	%100
69	MP4C	X	6.864	6.864	0	%100
70	MP4C	Z	-3.963	-3.963	0	%100
71	MP3C	X	6.864	6.864	0	%100
72	MP3C	Z	-3.963	-3.963	0	%100
73	MP2C	X	6.864	6.864	0	%100
74	MP2C	Z	-3.963	-3.963	0	%100
75	MP1C	X	6.864	6.864	0	%100
76	MP1C	Z	-3.963	-3.963	0	%100
77	MP5B	X	6.864	6.864	0	%100
78	MP5B	Z	-3.963	-3.963	0	%100
79	MP4B	X	6.864	6.864	0	%100
80	MP4B	Z	-3.963	-3.963	0	%100
81	MP3B	X	6.864	6.864	0	%100
82	MP3B	Z	-3.963	-3.963	0	%100
83	MP2B	X	6.864	6.864	0	%100
84	MP2B	Z	-3.963	-3.963	0	%100
85	MP1B	X	6.864	6.864	0	%100
86	MP1B	Z	-3.963	-3.963	0	%100
87	M122A	X	4.335	4.335	0	%100
88	M122A	Z	-2.503	-2.503	0	%100
89	M123A	X	17.341	17.341	0	%100
90	M123A	Z	-10.012	-10.012	0	%100
91	M128	X	3.629	3.629	0	%100
92	M128	Z	-2.095	-2.095	0	%100
93	M129	X	3.62	3.62	0	%100
94	M129	Z	-2.09	-2.09	0	%100
95	M138	X	6e-6	6e-6	0	%100
96	M138	Z	-4e-6	-4e-6	0	%100
97	M141	X	6e-6	6e-6	0	%100
98	M141	Z	-4e-6	-4e-6	0	%100
99	M150	X	3.62	3.62	0	%100
100	M150	Z	-2.09	-2.09	0	%100
101	M153	X	3.629	3.629	0	%100
102	M153	Z	-2.095	-2.095	0	%100
103	M100A	X	2.077	2.077	0	%100
104	M100A	Z	-1.199	-1.199	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,%]
105	M108	X	8.309	8.309	0	%100
106	M108	Z	-4.797	-4.797	0	%100
107	M116	X	2.077	2.077	0	%100
108	M116	Z	-1.199	-1.199	0	%100
109	M124A	X	10.937	10.937	0	%100
110	M124A	Z	-6.315	-6.315	0	%100
111	M125A	X	2.734	2.734	0	%100
112	M125A	Z	-1.579	-1.579	0	%100
113	M126	X	2.734	2.734	0	%100
114	M126	Z	-1.579	-1.579	0	%100
115	M133	X	2.077	2.077	0	%100
116	M133	Z	-1.199	-1.199	0	%100
117	M141A	X	8.309	8.309	0	%100
118	M141A	Z	-4.797	-4.797	0	%100
119	M149A	X	2.077	2.077	0	%100
120	M149A	Z	-1.199	-1.199	0	%100
121	M157	X	10.937	10.937	0	%100
122	M157	Z	-6.315	-6.315	0	%100
123	M158	X	2.734	2.734	0	%100
124	M158	Z	-1.579	-1.579	0	%100
125	M159	X	2.734	2.734	0	%100
126	M159	Z	-1.579	-1.579	0	%100
127	M160	X	1.303	1.303	0	%100
128	M160	Z	-.752	-.752	0	%100
129	M161	X	9.484	9.484	0	%100
130	M161	Z	-5.476	-5.476	0	%100
131	M162	X	6.887	6.887	0	%100
132	M162	Z	-3.976	-3.976	0	%100
133	M163	X	6.887	6.887	0	%100
134	M163	Z	-3.976	-3.976	0	%100
135	M164	X	9.484	9.484	0	%100
136	M164	Z	-5.476	-5.476	0	%100
137	M165	X	1.303	1.303	0	%100
138	M165	Z	-.752	-.752	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,%]
1	M4	X	8.171	8.171	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	9.753	9.753	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	2.043	2.043	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	2.438	2.438	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	2.043	2.043	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	2.438	2.438	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	15.018	15.018	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	7.3	7.3	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	7.3	7.3	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	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,%]
20	M21	Z	0	0	0	%100
21	M22	X	7.153	7.153	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	7.153	7.153	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	7.3	7.3	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	7.3	7.3	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	6.859	6.859	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	1.721	1.721	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	1.708	1.708	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	1.721	1.721	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	6.859	6.859	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	1.708	1.708	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	11.171	11.171	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	6.702	6.702	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	2.793	2.793	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	1.676	1.676	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	2.793	2.793	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	1.676	1.676	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	7.926	7.926	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	7.926	7.926	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	7.926	7.926	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	7.926	7.926	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	7.926	7.926	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	7.926	7.926	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	7.926	7.926	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	7.926	7.926	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	7.926	7.926	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	7.926	7.926	0	%100
76	MP1C	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,%]
77	MP5B	X	7.926	7.926	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	7.926	7.926	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	7.926	7.926	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	7.926	7.926	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	7.926	7.926	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	15.018	15.018	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	5.581	5.581	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	5.581	5.581	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	1.401	1.401	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	1.39	1.39	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	1.39	1.39	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	1.401	1.401	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	7.196	7.196	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	7.196	7.196	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	9.472	9.472	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	9.472	9.472	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	7.196	7.196	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	7.196	7.196	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	9.472	9.472	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	9.472	9.472	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	5.653	5.653	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	5.653	5.653	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	2.655	2.655	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	12.101	12.101	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,%]
134	M163	Z	0	0	0	%100
135	M164	X	12.101	12.101	0	%100
136	M164	Z	0	0	0	%100
137	M165	X	2.655	2.655	0	%100
138	M165	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	M4	X	5.307	5.307	0	%100
2	M4	Z	3.064	3.064	0	%100
3	M5	X	6.335	6.335	0	%100
4	M5	Z	3.657	3.657	0	%100
5	M10	X	5.307	5.307	0	%100
6	M10	Z	3.064	3.064	0	%100
7	M11	X	6.335	6.335	0	%100
8	M11	Z	3.657	3.657	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	17.341	17.341	0	%100
14	M18	Z	10.012	10.012	0	%100
15	M19	X	2.107	2.107	0	%100
16	M19	Z	1.217	1.217	0	%100
17	M20	X	8.43	8.43	0	%100
18	M20	Z	4.867	4.867	0	%100
19	M21	X	2.107	2.107	0	%100
20	M21	Z	1.217	1.217	0	%100
21	M22	X	2.065	2.065	0	%100
22	M22	Z	1.192	1.192	0	%100
23	M23	X	8.26	8.26	0	%100
24	M23	Z	4.769	4.769	0	%100
25	M24	X	2.065	2.065	0	%100
26	M24	Z	1.192	1.192	0	%100
27	M25	X	2.107	2.107	0	%100
28	M25	Z	1.217	1.217	0	%100
29	M26	X	8.43	8.43	0	%100
30	M26	Z	4.867	4.867	0	%100
31	M27	X	2.107	2.107	0	%100
32	M27	Z	1.217	1.217	0	%100
33	M28	X	4.449	4.449	0	%100
34	M28	Z	2.569	2.569	0	%100
35	M29	X	4.461	4.461	0	%100
36	M29	Z	2.576	2.576	0	%100
37	M30	X	7e-6	7e-6	0	%100
38	M30	Z	4e-6	4e-6	0	%100
39	M31	X	7e-6	7e-6	0	%100
40	M31	Z	4e-6	4e-6	0	%100
41	M32	X	4.461	4.461	0	%100
42	M32	Z	2.576	2.576	0	%100
43	M33	X	4.449	4.449	0	%100
44	M33	Z	2.569	2.569	0	%100
45	M38	X	7.256	7.256	0	%100
46	M38	Z	4.189	4.189	0	%100
47	M39	X	4.353	4.353	0	%100
48	M39	Z	2.513	2.513	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,%]
49	M44	X	7.256	7.256	0	%100
50	M44	Z	4.189	4.189	0	%100
51	M45	X	4.353	4.353	0	%100
52	M45	Z	2.513	2.513	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	6.864	6.864	0	%100
58	MP5A	Z	3.963	3.963	0	%100
59	MP4A	X	6.864	6.864	0	%100
60	MP4A	Z	3.963	3.963	0	%100
61	MP3A	X	6.864	6.864	0	%100
62	MP3A	Z	3.963	3.963	0	%100
63	MP2A	X	6.864	6.864	0	%100
64	MP2A	Z	3.963	3.963	0	%100
65	MP1A	X	6.864	6.864	0	%100
66	MP1A	Z	3.963	3.963	0	%100
67	MP5C	X	6.864	6.864	0	%100
68	MP5C	Z	3.963	3.963	0	%100
69	MP4C	X	6.864	6.864	0	%100
70	MP4C	Z	3.963	3.963	0	%100
71	MP3C	X	6.864	6.864	0	%100
72	MP3C	Z	3.963	3.963	0	%100
73	MP2C	X	6.864	6.864	0	%100
74	MP2C	Z	3.963	3.963	0	%100
75	MP1C	X	6.864	6.864	0	%100
76	MP1C	Z	3.963	3.963	0	%100
77	MP5B	X	6.864	6.864	0	%100
78	MP5B	Z	3.963	3.963	0	%100
79	MP4B	X	6.864	6.864	0	%100
80	MP4B	Z	3.963	3.963	0	%100
81	MP3B	X	6.864	6.864	0	%100
82	MP3B	Z	3.963	3.963	0	%100
83	MP2B	X	6.864	6.864	0	%100
84	MP2B	Z	3.963	3.963	0	%100
85	MP1B	X	6.864	6.864	0	%100
86	MP1B	Z	3.963	3.963	0	%100
87	M122A	X	4.335	4.335	0	%100
88	M122A	Z	2.503	2.503	0	%100
89	M123A	X	4.335	4.335	0	%100
90	M123A	Z	2.503	2.503	0	%100
91	M128	X	3.62	3.62	0	%100
92	M128	Z	2.09	2.09	0	%100
93	M129	X	3.629	3.629	0	%100
94	M129	Z	2.095	2.095	0	%100
95	M138	X	3.629	3.629	0	%100
96	M138	Z	2.095	2.095	0	%100
97	M141	X	3.62	3.62	0	%100
98	M141	Z	2.09	2.09	0	%100
99	M150	X	6e-6	6e-6	0	%100
100	M150	Z	4e-6	4e-6	0	%100
101	M153	X	6e-6	6e-6	0	%100
102	M153	Z	4e-6	4e-6	0	%100
103	M100A	X	2.077	2.077	0	%100
104	M100A	Z	1.199	1.199	0	%100
105	M108	X	2.077	2.077	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,%]
106	M108	Z	1.199	1.199	0	%100
107	M116	X	8.309	8.309	0	%100
108	M116	Z	4.797	4.797	0	%100
109	M124A	X	2.734	2.734	0	%100
110	M124A	Z	1.579	1.579	0	%100
111	M125A	X	10.937	10.937	0	%100
112	M125A	Z	6.315	6.315	0	%100
113	M126	X	2.734	2.734	0	%100
114	M126	Z	1.579	1.579	0	%100
115	M133	X	2.077	2.077	0	%100
116	M133	Z	1.199	1.199	0	%100
117	M141A	X	2.077	2.077	0	%100
118	M141A	Z	1.199	1.199	0	%100
119	M149A	X	8.309	8.309	0	%100
120	M149A	Z	4.797	4.797	0	%100
121	M157	X	2.734	2.734	0	%100
122	M157	Z	1.579	1.579	0	%100
123	M158	X	10.937	10.937	0	%100
124	M158	Z	6.315	6.315	0	%100
125	M159	X	2.734	2.734	0	%100
126	M159	Z	1.579	1.579	0	%100
127	M160	X	9.484	9.484	0	%100
128	M160	Z	5.476	5.476	0	%100
129	M161	X	1.303	1.303	0	%100
130	M161	Z	.752	.752	0	%100
131	M162	X	1.303	1.303	0	%100
132	M162	Z	.752	.752	0	%100
133	M163	X	9.484	9.484	0	%100
134	M163	Z	5.476	5.476	0	%100
135	M164	X	6.887	6.887	0	%100
136	M164	Z	3.976	3.976	0	%100
137	M165	X	6.887	6.887	0	%100
138	M165	Z	3.976	3.976	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	M4	X	1.021	1.021	0	%100
2	M4	Z	1.769	1.769	0	%100
3	M5	X	1.219	1.219	0	%100
4	M5	Z	2.112	2.112	0	%100
5	M10	X	4.086	4.086	0	%100
6	M10	Z	7.077	7.077	0	%100
7	M11	X	4.876	4.876	0	%100
8	M11	Z	8.446	8.446	0	%100
9	M16	X	1.021	1.021	0	%100
10	M16	Z	1.769	1.769	0	%100
11	M17	X	1.219	1.219	0	%100
12	M17	Z	2.112	2.112	0	%100
13	M18	X	7.509	7.509	0	%100
14	M18	Z	13.006	13.006	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	3.65	3.65	0	%100
18	M20	Z	6.322	6.322	0	%100
19	M21	X	3.65	3.65	0	%100
20	M21	Z	6.322	6.322	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,%]
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	3.577	3.577	0	%100
24	M23	Z	6.195	6.195	0	%100
25	M24	X	3.577	3.577	0	%100
26	M24	Z	6.195	6.195	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	3.65	3.65	0	%100
30	M26	Z	6.322	6.322	0	%100
31	M27	X	3.65	3.65	0	%100
32	M27	Z	6.322	6.322	0	%100
33	M28	X	.854	.854	0	%100
34	M28	Z	1.479	1.479	0	%100
35	M29	X	3.43	3.43	0	%100
36	M29	Z	5.94	5.94	0	%100
37	M30	X	.861	.861	0	%100
38	M30	Z	1.491	1.491	0	%100
39	M31	X	.854	.854	0	%100
40	M31	Z	1.479	1.479	0	%100
41	M32	X	.861	.861	0	%100
42	M32	Z	1.491	1.491	0	%100
43	M33	X	3.43	3.43	0	%100
44	M33	Z	5.94	5.94	0	%100
45	M38	X	1.396	1.396	0	%100
46	M38	Z	2.419	2.419	0	%100
47	M39	X	.838	.838	0	%100
48	M39	Z	1.451	1.451	0	%100
49	M44	X	5.585	5.585	0	%100
50	M44	Z	9.674	9.674	0	%100
51	M45	X	3.351	3.351	0	%100
52	M45	Z	5.804	5.804	0	%100
53	M50	X	1.396	1.396	0	%100
54	M50	Z	2.419	2.419	0	%100
55	M51	X	.838	.838	0	%100
56	M51	Z	1.451	1.451	0	%100
57	MP5A	X	3.963	3.963	0	%100
58	MP5A	Z	6.864	6.864	0	%100
59	MP4A	X	3.963	3.963	0	%100
60	MP4A	Z	6.864	6.864	0	%100
61	MP3A	X	3.963	3.963	0	%100
62	MP3A	Z	6.864	6.864	0	%100
63	MP2A	X	3.963	3.963	0	%100
64	MP2A	Z	6.864	6.864	0	%100
65	MP1A	X	3.963	3.963	0	%100
66	MP1A	Z	6.864	6.864	0	%100
67	MP5C	X	3.963	3.963	0	%100
68	MP5C	Z	6.864	6.864	0	%100
69	MP4C	X	3.963	3.963	0	%100
70	MP4C	Z	6.864	6.864	0	%100
71	MP3C	X	3.963	3.963	0	%100
72	MP3C	Z	6.864	6.864	0	%100
73	MP2C	X	3.963	3.963	0	%100
74	MP2C	Z	6.864	6.864	0	%100
75	MP1C	X	3.963	3.963	0	%100
76	MP1C	Z	6.864	6.864	0	%100
77	MP5B	X	3.963	3.963	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,%]
78	MP5B	Z	6.864	6.864	0	%100
79	MP4B	X	3.963	3.963	0	%100
80	MP4B	Z	6.864	6.864	0	%100
81	MP3B	X	3.963	3.963	0	%100
82	MP3B	Z	6.864	6.864	0	%100
83	MP2B	X	3.963	3.963	0	%100
84	MP2B	Z	6.864	6.864	0	%100
85	MP1B	X	3.963	3.963	0	%100
86	MP1B	Z	6.864	6.864	0	%100
87	M122A	X	7.509	7.509	0	%100
88	M122A	Z	13.006	13.006	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.695	.695	0	%100
92	M128	Z	1.204	1.204	0	%100
93	M129	X	.7	.7	0	%100
94	M129	Z	1.213	1.213	0	%100
95	M138	X	2.79	2.79	0	%100
96	M138	Z	4.833	4.833	0	%100
97	M141	X	2.79	2.79	0	%100
98	M141	Z	4.833	4.833	0	%100
99	M150	X	.7	.7	0	%100
100	M150	Z	1.213	1.213	0	%100
101	M153	X	.695	.695	0	%100
102	M153	Z	1.204	1.204	0	%100
103	M100A	X	3.598	3.598	0	%100
104	M100A	Z	6.232	6.232	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	3.598	3.598	0	%100
108	M116	Z	6.232	6.232	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	4.736	4.736	0	%100
112	M125A	Z	8.203	8.203	0	%100
113	M126	X	4.736	4.736	0	%100
114	M126	Z	8.203	8.203	0	%100
115	M133	X	3.598	3.598	0	%100
116	M133	Z	6.232	6.232	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	3.598	3.598	0	%100
120	M149A	Z	6.232	6.232	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	4.736	4.736	0	%100
124	M158	Z	8.203	8.203	0	%100
125	M159	X	4.736	4.736	0	%100
126	M159	Z	8.203	8.203	0	%100
127	M160	X	6.05	6.05	0	%100
128	M160	Z	10.48	10.48	0	%100
129	M161	X	1.327	1.327	0	%100
130	M161	Z	2.299	2.299	0	%100
131	M162	X	2.827	2.827	0	%100
132	M162	Z	4.896	4.896	0	%100
133	M163	X	2.827	2.827	0	%100
134	M163	Z	4.896	4.896	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,%]
135	M164	X	1.327	1.327	0	%100
136	M164	Z	2.299	2.299	0	%100
137	M165	X	6.05	6.05	0	%100
138	M165	Z	10.48	10.48	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	6.128	6.128	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	7.315	7.315	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	6.128	6.128	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	7.315	7.315	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	5.006	5.006	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	2.433	2.433	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	2.433	2.433	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	9.734	9.734	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	2.384	2.384	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	2.384	2.384	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	9.537	9.537	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	2.433	2.433	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	2.433	2.433	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	9.734	9.734	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	9e-6	9e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	5.138	5.138	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	5.151	5.151	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	5.138	5.138	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	9e-6	9e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	5.151	5.151	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	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,%]
50	M44	Z	8.378	8.378	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	5.027	5.027	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	8.378	8.378	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	5.027	5.027	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	7.926	7.926	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	7.926	7.926	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	7.926	7.926	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	7.926	7.926	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	7.926	7.926	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	7.926	7.926	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	7.926	7.926	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	7.926	7.926	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	7.926	7.926	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	7.926	7.926	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	7.926	7.926	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	7.926	7.926	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	7.926	7.926	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	7.926	7.926	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	7.926	7.926	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	20.024	20.024	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	5.006	5.006	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	7e-6	7e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	7e-6	7e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	4.18	4.18	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	4.191	4.191	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	4.191	4.191	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	4.18	4.18	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	9.595	9.595	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	2.399	2.399	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,%]
107	M116	X	0	0	0	%100
108	M116	Z	2.399	2.399	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	3.157	3.157	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	3.158	3.158	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	12.629	12.629	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	9.595	9.595	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	2.399	2.399	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	2.399	2.399	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	3.157	3.157	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	3.158	3.158	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	12.629	12.629	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	7.953	7.953	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	7.953	7.953	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	10.951	10.951	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	1.505	1.505	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	1.505	1.505	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	10.951	10.951	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	M4	X	-1.021	-1.021	0	%100
2	M4	Z	1.769	1.769	0	%100
3	M5	X	-1.219	-1.219	0	%100
4	M5	Z	2.112	2.112	0	%100
5	M10	X	-1.021	-1.021	0	%100
6	M10	Z	1.769	1.769	0	%100
7	M11	X	-1.219	-1.219	0	%100
8	M11	Z	2.112	2.112	0	%100
9	M16	X	-4.086	-4.086	0	%100
10	M16	Z	7.077	7.077	0	%100
11	M17	X	-4.876	-4.876	0	%100
12	M17	Z	8.446	8.446	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-3.65	-3.65	0	%100
16	M19	Z	6.322	6.322	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-3.65	-3.65	0	%100
20	M21	Z	6.322	6.322	0	%100
21	M22	X	-3.577	-3.577	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,%]
22	M22	Z	6.195	6.195	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-3.577	-3.577	0	%100
26	M24	Z	6.195	6.195	0	%100
27	M25	X	-3.65	-3.65	0	%100
28	M25	Z	6.322	6.322	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-3.65	-3.65	0	%100
32	M27	Z	6.322	6.322	0	%100
33	M28	X	-.861	-.861	0	%100
34	M28	Z	1.491	1.491	0	%100
35	M29	X	-.854	-.854	0	%100
36	M29	Z	1.479	1.479	0	%100
37	M30	X	-3.43	-3.43	0	%100
38	M30	Z	5.94	5.94	0	%100
39	M31	X	-3.43	-3.43	0	%100
40	M31	Z	5.94	5.94	0	%100
41	M32	X	-.854	-.854	0	%100
42	M32	Z	1.479	1.479	0	%100
43	M33	X	-.861	-.861	0	%100
44	M33	Z	1.491	1.491	0	%100
45	M38	X	-1.396	-1.396	0	%100
46	M38	Z	2.419	2.419	0	%100
47	M39	X	-.838	-.838	0	%100
48	M39	Z	1.451	1.451	0	%100
49	M44	X	-1.396	-1.396	0	%100
50	M44	Z	2.419	2.419	0	%100
51	M45	X	-.838	-.838	0	%100
52	M45	Z	1.451	1.451	0	%100
53	M50	X	-5.585	-5.585	0	%100
54	M50	Z	9.674	9.674	0	%100
55	M51	X	-3.351	-3.351	0	%100
56	M51	Z	5.804	5.804	0	%100
57	MP5A	X	-3.963	-3.963	0	%100
58	MP5A	Z	6.864	6.864	0	%100
59	MP4A	X	-3.963	-3.963	0	%100
60	MP4A	Z	6.864	6.864	0	%100
61	MP3A	X	-3.963	-3.963	0	%100
62	MP3A	Z	6.864	6.864	0	%100
63	MP2A	X	-3.963	-3.963	0	%100
64	MP2A	Z	6.864	6.864	0	%100
65	MP1A	X	-3.963	-3.963	0	%100
66	MP1A	Z	6.864	6.864	0	%100
67	MP5C	X	-3.963	-3.963	0	%100
68	MP5C	Z	6.864	6.864	0	%100
69	MP4C	X	-3.963	-3.963	0	%100
70	MP4C	Z	6.864	6.864	0	%100
71	MP3C	X	-3.963	-3.963	0	%100
72	MP3C	Z	6.864	6.864	0	%100
73	MP2C	X	-3.963	-3.963	0	%100
74	MP2C	Z	6.864	6.864	0	%100
75	MP1C	X	-3.963	-3.963	0	%100
76	MP1C	Z	6.864	6.864	0	%100
77	MP5B	X	-3.963	-3.963	0	%100
78	MP5B	Z	6.864	6.864	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,%]
79	MP4B	X	-3.963	-3.963	0	%100
80	MP4B	Z	6.864	6.864	0	%100
81	MP3B	X	-3.963	-3.963	0	%100
82	MP3B	Z	6.864	6.864	0	%100
83	MP2B	X	-3.963	-3.963	0	%100
84	MP2B	Z	6.864	6.864	0	%100
85	MP1B	X	-3.963	-3.963	0	%100
86	MP1B	Z	6.864	6.864	0	%100
87	M122A	X	-7.509	-7.509	0	%100
88	M122A	Z	13.006	13.006	0	%100
89	M123A	X	-7.509	-7.509	0	%100
90	M123A	Z	13.006	13.006	0	%100
91	M128	X	-.7	-.7	0	%100
92	M128	Z	1.213	1.213	0	%100
93	M129	X	-.695	-.695	0	%100
94	M129	Z	1.204	1.204	0	%100
95	M138	X	-.695	-.695	0	%100
96	M138	Z	1.204	1.204	0	%100
97	M141	X	-.7	-.7	0	%100
98	M141	Z	1.213	1.213	0	%100
99	M150	X	-2.79	-2.79	0	%100
100	M150	Z	4.833	4.833	0	%100
101	M153	X	-2.79	-2.79	0	%100
102	M153	Z	4.833	4.833	0	%100
103	M100A	X	-3.598	-3.598	0	%100
104	M100A	Z	6.232	6.232	0	%100
105	M108	X	-3.598	-3.598	0	%100
106	M108	Z	6.232	6.232	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-4.736	-4.736	0	%100
110	M124A	Z	8.203	8.203	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	-4.736	-4.736	0	%100
114	M126	Z	8.203	8.203	0	%100
115	M133	X	-3.598	-3.598	0	%100
116	M133	Z	6.232	6.232	0	%100
117	M141A	X	-3.598	-3.598	0	%100
118	M141A	Z	6.232	6.232	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-4.736	-4.736	0	%100
122	M157	Z	8.203	8.203	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	-4.736	-4.736	0	%100
126	M159	Z	8.203	8.203	0	%100
127	M160	X	-1.327	-1.327	0	%100
128	M160	Z	2.299	2.299	0	%100
129	M161	X	-6.05	-6.05	0	%100
130	M161	Z	10.48	10.48	0	%100
131	M162	X	-6.05	-6.05	0	%100
132	M162	Z	10.48	10.48	0	%100
133	M163	X	-1.327	-1.327	0	%100
134	M163	Z	2.299	2.299	0	%100
135	M164	X	-2.827	-2.827	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,%]
136	M164	Z	4.896	4.896	0	%100
137	M165	X	-2.827	-2.827	0	%100
138	M165	Z	4.896	4.896	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	M4	X	-5.307	-5.307	0	%100
2	M4	Z	3.064	3.064	0	%100
3	M5	X	-6.335	-6.335	0	%100
4	M5	Z	3.657	3.657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-5.307	-5.307	0	%100
10	M16	Z	3.064	3.064	0	%100
11	M17	X	-6.335	-6.335	0	%100
12	M17	Z	3.657	3.657	0	%100
13	M18	X	-4.335	-4.335	0	%100
14	M18	Z	2.503	2.503	0	%100
15	M19	X	-8.43	-8.43	0	%100
16	M19	Z	4.867	4.867	0	%100
17	M20	X	-2.107	-2.107	0	%100
18	M20	Z	1.217	1.217	0	%100
19	M21	X	-2.107	-2.107	0	%100
20	M21	Z	1.217	1.217	0	%100
21	M22	X	-8.26	-8.26	0	%100
22	M22	Z	4.769	4.769	0	%100
23	M23	X	-2.065	-2.065	0	%100
24	M23	Z	1.192	1.192	0	%100
25	M24	X	-2.065	-2.065	0	%100
26	M24	Z	1.192	1.192	0	%100
27	M25	X	-8.43	-8.43	0	%100
28	M25	Z	4.867	4.867	0	%100
29	M26	X	-2.107	-2.107	0	%100
30	M26	Z	1.217	1.217	0	%100
31	M27	X	-2.107	-2.107	0	%100
32	M27	Z	1.217	1.217	0	%100
33	M28	X	-4.461	-4.461	0	%100
34	M28	Z	2.576	2.576	0	%100
35	M29	X	-7e-6	-7e-6	0	%100
36	M29	Z	4e-6	4e-6	0	%100
37	M30	X	-4.449	-4.449	0	%100
38	M30	Z	2.569	2.569	0	%100
39	M31	X	-4.461	-4.461	0	%100
40	M31	Z	2.576	2.576	0	%100
41	M32	X	-4.449	-4.449	0	%100
42	M32	Z	2.569	2.569	0	%100
43	M33	X	-7e-6	-7e-6	0	%100
44	M33	Z	4e-6	4e-6	0	%100
45	M38	X	-7.256	-7.256	0	%100
46	M38	Z	4.189	4.189	0	%100
47	M39	X	-4.353	-4.353	0	%100
48	M39	Z	2.513	2.513	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	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,%]
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-7.256	-7.256	0	%100
54	M50	Z	4.189	4.189	0	%100
55	M51	X	-4.353	-4.353	0	%100
56	M51	Z	2.513	2.513	0	%100
57	MP5A	X	-6.864	-6.864	0	%100
58	MP5A	Z	3.963	3.963	0	%100
59	MP4A	X	-6.864	-6.864	0	%100
60	MP4A	Z	3.963	3.963	0	%100
61	MP3A	X	-6.864	-6.864	0	%100
62	MP3A	Z	3.963	3.963	0	%100
63	MP2A	X	-6.864	-6.864	0	%100
64	MP2A	Z	3.963	3.963	0	%100
65	MP1A	X	-6.864	-6.864	0	%100
66	MP1A	Z	3.963	3.963	0	%100
67	MP5C	X	-6.864	-6.864	0	%100
68	MP5C	Z	3.963	3.963	0	%100
69	MP4C	X	-6.864	-6.864	0	%100
70	MP4C	Z	3.963	3.963	0	%100
71	MP3C	X	-6.864	-6.864	0	%100
72	MP3C	Z	3.963	3.963	0	%100
73	MP2C	X	-6.864	-6.864	0	%100
74	MP2C	Z	3.963	3.963	0	%100
75	MP1C	X	-6.864	-6.864	0	%100
76	MP1C	Z	3.963	3.963	0	%100
77	MP5B	X	-6.864	-6.864	0	%100
78	MP5B	Z	3.963	3.963	0	%100
79	MP4B	X	-6.864	-6.864	0	%100
80	MP4B	Z	3.963	3.963	0	%100
81	MP3B	X	-6.864	-6.864	0	%100
82	MP3B	Z	3.963	3.963	0	%100
83	MP2B	X	-6.864	-6.864	0	%100
84	MP2B	Z	3.963	3.963	0	%100
85	MP1B	X	-6.864	-6.864	0	%100
86	MP1B	Z	3.963	3.963	0	%100
87	M122A	X	-4.335	-4.335	0	%100
88	M122A	Z	2.503	2.503	0	%100
89	M123A	X	-17.341	-17.341	0	%100
90	M123A	Z	10.012	10.012	0	%100
91	M128	X	-3.629	-3.629	0	%100
92	M128	Z	2.095	2.095	0	%100
93	M129	X	-3.62	-3.62	0	%100
94	M129	Z	2.09	2.09	0	%100
95	M138	X	-6e-6	-6e-6	0	%100
96	M138	Z	4e-6	4e-6	0	%100
97	M141	X	-6e-6	-6e-6	0	%100
98	M141	Z	4e-6	4e-6	0	%100
99	M150	X	-3.62	-3.62	0	%100
100	M150	Z	2.09	2.09	0	%100
101	M153	X	-3.629	-3.629	0	%100
102	M153	Z	2.095	2.095	0	%100
103	M100A	X	-2.077	-2.077	0	%100
104	M100A	Z	1.199	1.199	0	%100
105	M108	X	-8.309	-8.309	0	%100
106	M108	Z	4.797	4.797	0	%100
107	M116	X	-2.077	-2.077	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,%]
108	M116	Z	1.199	1.199	0	%100
109	M124A	X	-10.937	-10.937	0	%100
110	M124A	Z	6.315	6.315	0	%100
111	M125A	X	-2.734	-2.734	0	%100
112	M125A	Z	1.579	1.579	0	%100
113	M126	X	-2.734	-2.734	0	%100
114	M126	Z	1.579	1.579	0	%100
115	M133	X	-2.077	-2.077	0	%100
116	M133	Z	1.199	1.199	0	%100
117	M141A	X	-8.309	-8.309	0	%100
118	M141A	Z	4.797	4.797	0	%100
119	M149A	X	-2.077	-2.077	0	%100
120	M149A	Z	1.199	1.199	0	%100
121	M157	X	-10.937	-10.937	0	%100
122	M157	Z	6.315	6.315	0	%100
123	M158	X	-2.734	-2.734	0	%100
124	M158	Z	1.579	1.579	0	%100
125	M159	X	-2.734	-2.734	0	%100
126	M159	Z	1.579	1.579	0	%100
127	M160	X	-1.303	-1.303	0	%100
128	M160	Z	.752	.752	0	%100
129	M161	X	-9.484	-9.484	0	%100
130	M161	Z	5.476	5.476	0	%100
131	M162	X	-6.887	-6.887	0	%100
132	M162	Z	3.976	3.976	0	%100
133	M163	X	-6.887	-6.887	0	%100
134	M163	Z	3.976	3.976	0	%100
135	M164	X	-9.484	-9.484	0	%100
136	M164	Z	5.476	5.476	0	%100
137	M165	X	-1.303	-1.303	0	%100
138	M165	Z	.752	.752	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	M4	X	-8.171	-8.171	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-9.753	-9.753	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-2.043	-2.043	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-2.438	-2.438	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-2.043	-2.043	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-2.438	-2.438	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-15.018	-15.018	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-7.3	-7.3	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-7.3	-7.3	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-7.153	-7.153	0	%100
22	M22	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,%]
23	M23	X	-7.153	-7.153	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-7.3	-7.3	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-7.3	-7.3	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-6.859	-6.859	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-1.721	-1.721	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-1.708	-1.708	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	-1.721	-1.721	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-6.859	-6.859	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-1.708	-1.708	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-11.171	-11.171	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-6.702	-6.702	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-2.793	-2.793	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	-1.676	-1.676	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-2.793	-2.793	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-1.676	-1.676	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-7.926	-7.926	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-7.926	-7.926	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-7.926	-7.926	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-7.926	-7.926	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-7.926	-7.926	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	-7.926	-7.926	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-7.926	-7.926	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-7.926	-7.926	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-7.926	-7.926	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-7.926	-7.926	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-7.926	-7.926	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-7.926	-7.926	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,%]
80	MP4B	Z	0	0	0	%100
81	MP3B	X	-7.926	-7.926	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-7.926	-7.926	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-7.926	-7.926	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-15.018	-15.018	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-5.581	-5.581	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-5.581	-5.581	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-1.401	-1.401	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	-1.39	-1.39	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-1.39	-1.39	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-1.401	-1.401	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	-7.196	-7.196	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-7.196	-7.196	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-9.472	-9.472	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-9.472	-9.472	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	-7.196	-7.196	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-7.196	-7.196	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-9.472	-9.472	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-9.472	-9.472	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	-5.653	-5.653	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	-5.653	-5.653	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	-2.655	-2.655	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	-12.101	-12.101	0	%100
134	M163	Z	0	0	0	%100
135	M164	X	-12.101	-12.101	0	%100
136	M164	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,%]
137	M165	X	-2.655	-2.655	0	%100
138	M165	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	M4	X	-5.307	-5.307	0	%100
2	M4	Z	-3.064	-3.064	0	%100
3	M5	X	-6.335	-6.335	0	%100
4	M5	Z	-3.657	-3.657	0	%100
5	M10	X	-5.307	-5.307	0	%100
6	M10	Z	-3.064	-3.064	0	%100
7	M11	X	-6.335	-6.335	0	%100
8	M11	Z	-3.657	-3.657	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-17.341	-17.341	0	%100
14	M18	Z	-10.012	-10.012	0	%100
15	M19	X	-2.107	-2.107	0	%100
16	M19	Z	-1.217	-1.217	0	%100
17	M20	X	-8.43	-8.43	0	%100
18	M20	Z	-4.867	-4.867	0	%100
19	M21	X	-2.107	-2.107	0	%100
20	M21	Z	-1.217	-1.217	0	%100
21	M22	X	-2.065	-2.065	0	%100
22	M22	Z	-1.192	-1.192	0	%100
23	M23	X	-8.26	-8.26	0	%100
24	M23	Z	-4.769	-4.769	0	%100
25	M24	X	-2.065	-2.065	0	%100
26	M24	Z	-1.192	-1.192	0	%100
27	M25	X	-2.107	-2.107	0	%100
28	M25	Z	-1.217	-1.217	0	%100
29	M26	X	-8.43	-8.43	0	%100
30	M26	Z	-4.867	-4.867	0	%100
31	M27	X	-2.107	-2.107	0	%100
32	M27	Z	-1.217	-1.217	0	%100
33	M28	X	-4.449	-4.449	0	%100
34	M28	Z	-2.569	-2.569	0	%100
35	M29	X	-4.461	-4.461	0	%100
36	M29	Z	-2.576	-2.576	0	%100
37	M30	X	-7e-6	-7e-6	0	%100
38	M30	Z	-4e-6	-4e-6	0	%100
39	M31	X	-7e-6	-7e-6	0	%100
40	M31	Z	-4e-6	-4e-6	0	%100
41	M32	X	-4.461	-4.461	0	%100
42	M32	Z	-2.576	-2.576	0	%100
43	M33	X	-4.449	-4.449	0	%100
44	M33	Z	-2.569	-2.569	0	%100
45	M38	X	-7.256	-7.256	0	%100
46	M38	Z	-4.189	-4.189	0	%100
47	M39	X	-4.353	-4.353	0	%100
48	M39	Z	-2.513	-2.513	0	%100
49	M44	X	-7.256	-7.256	0	%100
50	M44	Z	-4.189	-4.189	0	%100
51	M45	X	-4.353	-4.353	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,%]
52	M45	Z	-2.513	-2.513	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-6.864	-6.864	0	%100
58	MP5A	Z	-3.963	-3.963	0	%100
59	MP4A	X	-6.864	-6.864	0	%100
60	MP4A	Z	-3.963	-3.963	0	%100
61	MP3A	X	-6.864	-6.864	0	%100
62	MP3A	Z	-3.963	-3.963	0	%100
63	MP2A	X	-6.864	-6.864	0	%100
64	MP2A	Z	-3.963	-3.963	0	%100
65	MP1A	X	-6.864	-6.864	0	%100
66	MP1A	Z	-3.963	-3.963	0	%100
67	MP5C	X	-6.864	-6.864	0	%100
68	MP5C	Z	-3.963	-3.963	0	%100
69	MP4C	X	-6.864	-6.864	0	%100
70	MP4C	Z	-3.963	-3.963	0	%100
71	MP3C	X	-6.864	-6.864	0	%100
72	MP3C	Z	-3.963	-3.963	0	%100
73	MP2C	X	-6.864	-6.864	0	%100
74	MP2C	Z	-3.963	-3.963	0	%100
75	MP1C	X	-6.864	-6.864	0	%100
76	MP1C	Z	-3.963	-3.963	0	%100
77	MP5B	X	-6.864	-6.864	0	%100
78	MP5B	Z	-3.963	-3.963	0	%100
79	MP4B	X	-6.864	-6.864	0	%100
80	MP4B	Z	-3.963	-3.963	0	%100
81	MP3B	X	-6.864	-6.864	0	%100
82	MP3B	Z	-3.963	-3.963	0	%100
83	MP2B	X	-6.864	-6.864	0	%100
84	MP2B	Z	-3.963	-3.963	0	%100
85	MP1B	X	-6.864	-6.864	0	%100
86	MP1B	Z	-3.963	-3.963	0	%100
87	M122A	X	-4.335	-4.335	0	%100
88	M122A	Z	-2.503	-2.503	0	%100
89	M123A	X	-4.335	-4.335	0	%100
90	M123A	Z	-2.503	-2.503	0	%100
91	M128	X	-3.62	-3.62	0	%100
92	M128	Z	-2.09	-2.09	0	%100
93	M129	X	-3.629	-3.629	0	%100
94	M129	Z	-2.095	-2.095	0	%100
95	M138	X	-3.629	-3.629	0	%100
96	M138	Z	-2.095	-2.095	0	%100
97	M141	X	-3.62	-3.62	0	%100
98	M141	Z	-2.09	-2.09	0	%100
99	M150	X	-6e-6	-6e-6	0	%100
100	M150	Z	-4e-6	-4e-6	0	%100
101	M153	X	-6e-6	-6e-6	0	%100
102	M153	Z	-4e-6	-4e-6	0	%100
103	M100A	X	-2.077	-2.077	0	%100
104	M100A	Z	-1.199	-1.199	0	%100
105	M108	X	-2.077	-2.077	0	%100
106	M108	Z	-1.199	-1.199	0	%100
107	M116	X	-8.309	-8.309	0	%100
108	M116	Z	-4.797	-4.797	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,%]
109	M124A	X	-2.734	-2.734	0	%100
110	M124A	Z	-1.579	-1.579	0	%100
111	M125A	X	-10.937	-10.937	0	%100
112	M125A	Z	-6.315	-6.315	0	%100
113	M126	X	-2.734	-2.734	0	%100
114	M126	Z	-1.579	-1.579	0	%100
115	M133	X	-2.077	-2.077	0	%100
116	M133	Z	-1.199	-1.199	0	%100
117	M141A	X	-2.077	-2.077	0	%100
118	M141A	Z	-1.199	-1.199	0	%100
119	M149A	X	-8.309	-8.309	0	%100
120	M149A	Z	-4.797	-4.797	0	%100
121	M157	X	-2.734	-2.734	0	%100
122	M157	Z	-1.579	-1.579	0	%100
123	M158	X	-10.937	-10.937	0	%100
124	M158	Z	-6.315	-6.315	0	%100
125	M159	X	-2.734	-2.734	0	%100
126	M159	Z	-1.579	-1.579	0	%100
127	M160	X	-9.484	-9.484	0	%100
128	M160	Z	-5.476	-5.476	0	%100
129	M161	X	-1.303	-1.303	0	%100
130	M161	Z	-.752	-.752	0	%100
131	M162	X	-1.303	-1.303	0	%100
132	M162	Z	-.752	-.752	0	%100
133	M163	X	-9.484	-9.484	0	%100
134	M163	Z	-5.476	-5.476	0	%100
135	M164	X	-6.887	-6.887	0	%100
136	M164	Z	-3.976	-3.976	0	%100
137	M165	X	-6.887	-6.887	0	%100
138	M165	Z	-3.976	-3.976	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	M4	X	-1.021	-1.021	0	%100
2	M4	Z	-1.769	-1.769	0	%100
3	M5	X	-1.219	-1.219	0	%100
4	M5	Z	-2.112	-2.112	0	%100
5	M10	X	-4.086	-4.086	0	%100
6	M10	Z	-7.077	-7.077	0	%100
7	M11	X	-4.876	-4.876	0	%100
8	M11	Z	-8.446	-8.446	0	%100
9	M16	X	-1.021	-1.021	0	%100
10	M16	Z	-1.769	-1.769	0	%100
11	M17	X	-1.219	-1.219	0	%100
12	M17	Z	-2.112	-2.112	0	%100
13	M18	X	-7.509	-7.509	0	%100
14	M18	Z	-13.006	-13.006	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-3.65	-3.65	0	%100
18	M20	Z	-6.322	-6.322	0	%100
19	M21	X	-3.65	-3.65	0	%100
20	M21	Z	-6.322	-6.322	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-3.577	-3.577	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,%]
24	M23	Z	-6.195	-6.195	0	%100
25	M24	X	-3.577	-3.577	0	%100
26	M24	Z	-6.195	-6.195	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-3.65	-3.65	0	%100
30	M26	Z	-6.322	-6.322	0	%100
31	M27	X	-3.65	-3.65	0	%100
32	M27	Z	-6.322	-6.322	0	%100
33	M28	X	-.854	-.854	0	%100
34	M28	Z	-1.479	-1.479	0	%100
35	M29	X	-3.43	-3.43	0	%100
36	M29	Z	-5.94	-5.94	0	%100
37	M30	X	-.861	-.861	0	%100
38	M30	Z	-1.491	-1.491	0	%100
39	M31	X	-.854	-.854	0	%100
40	M31	Z	-1.479	-1.479	0	%100
41	M32	X	-.861	-.861	0	%100
42	M32	Z	-1.491	-1.491	0	%100
43	M33	X	-3.43	-3.43	0	%100
44	M33	Z	-5.94	-5.94	0	%100
45	M38	X	-1.396	-1.396	0	%100
46	M38	Z	-2.419	-2.419	0	%100
47	M39	X	-.838	-.838	0	%100
48	M39	Z	-1.451	-1.451	0	%100
49	M44	X	-5.585	-5.585	0	%100
50	M44	Z	-9.674	-9.674	0	%100
51	M45	X	-3.351	-3.351	0	%100
52	M45	Z	-5.804	-5.804	0	%100
53	M50	X	-1.396	-1.396	0	%100
54	M50	Z	-2.419	-2.419	0	%100
55	M51	X	-.838	-.838	0	%100
56	M51	Z	-1.451	-1.451	0	%100
57	MP5A	X	-3.963	-3.963	0	%100
58	MP5A	Z	-6.864	-6.864	0	%100
59	MP4A	X	-3.963	-3.963	0	%100
60	MP4A	Z	-6.864	-6.864	0	%100
61	MP3A	X	-3.963	-3.963	0	%100
62	MP3A	Z	-6.864	-6.864	0	%100
63	MP2A	X	-3.963	-3.963	0	%100
64	MP2A	Z	-6.864	-6.864	0	%100
65	MP1A	X	-3.963	-3.963	0	%100
66	MP1A	Z	-6.864	-6.864	0	%100
67	MP5C	X	-3.963	-3.963	0	%100
68	MP5C	Z	-6.864	-6.864	0	%100
69	MP4C	X	-3.963	-3.963	0	%100
70	MP4C	Z	-6.864	-6.864	0	%100
71	MP3C	X	-3.963	-3.963	0	%100
72	MP3C	Z	-6.864	-6.864	0	%100
73	MP2C	X	-3.963	-3.963	0	%100
74	MP2C	Z	-6.864	-6.864	0	%100
75	MP1C	X	-3.963	-3.963	0	%100
76	MP1C	Z	-6.864	-6.864	0	%100
77	MP5B	X	-3.963	-3.963	0	%100
78	MP5B	Z	-6.864	-6.864	0	%100
79	MP4B	X	-3.963	-3.963	0	%100
80	MP4B	Z	-6.864	-6.864	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,%]
81	MP3B	X	-3.963	-3.963	0	%100
82	MP3B	Z	-6.864	-6.864	0	%100
83	MP2B	X	-3.963	-3.963	0	%100
84	MP2B	Z	-6.864	-6.864	0	%100
85	MP1B	X	-3.963	-3.963	0	%100
86	MP1B	Z	-6.864	-6.864	0	%100
87	M122A	X	-7.509	-7.509	0	%100
88	M122A	Z	-13.006	-13.006	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.695	-.695	0	%100
92	M128	Z	-1.204	-1.204	0	%100
93	M129	X	-.7	-.7	0	%100
94	M129	Z	-1.213	-1.213	0	%100
95	M138	X	-2.79	-2.79	0	%100
96	M138	Z	-4.833	-4.833	0	%100
97	M141	X	-2.79	-2.79	0	%100
98	M141	Z	-4.833	-4.833	0	%100
99	M150	X	-.7	-.7	0	%100
100	M150	Z	-1.213	-1.213	0	%100
101	M153	X	-.695	-.695	0	%100
102	M153	Z	-1.204	-1.204	0	%100
103	M100A	X	-3.598	-3.598	0	%100
104	M100A	Z	-6.232	-6.232	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-3.598	-3.598	0	%100
108	M116	Z	-6.232	-6.232	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-4.736	-4.736	0	%100
112	M125A	Z	-8.203	-8.203	0	%100
113	M126	X	-4.736	-4.736	0	%100
114	M126	Z	-8.203	-8.203	0	%100
115	M133	X	-3.598	-3.598	0	%100
116	M133	Z	-6.232	-6.232	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-3.598	-3.598	0	%100
120	M149A	Z	-6.232	-6.232	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-4.736	-4.736	0	%100
124	M158	Z	-8.203	-8.203	0	%100
125	M159	X	-4.736	-4.736	0	%100
126	M159	Z	-8.203	-8.203	0	%100
127	M160	X	-6.05	-6.05	0	%100
128	M160	Z	-10.48	-10.48	0	%100
129	M161	X	-1.327	-1.327	0	%100
130	M161	Z	-2.299	-2.299	0	%100
131	M162	X	-2.827	-2.827	0	%100
132	M162	Z	-4.896	-4.896	0	%100
133	M163	X	-2.827	-2.827	0	%100
134	M163	Z	-4.896	-4.896	0	%100
135	M164	X	-1.327	-1.327	0	%100
136	M164	Z	-2.299	-2.299	0	%100
137	M165	X	-6.05	-6.05	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,%]
138	M165	Z	-10.48	-10.48	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-1.976	-1.976	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-2.405	-2.405	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-1.976	-1.976	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-2.405	-2.405	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-1.141	-1.141	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-.795	-.795	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-.795	-.795	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-3.178	-3.178	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.777	-.777	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-.777	-.777	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-3.106	-3.106	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-.795	-.795	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.795	-.795	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-3.178	-3.178	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-3e-6	-3e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-1.816	-1.816	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-1.82	-1.82	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-1.816	-1.816	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-3e-6	-3e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-1.82	-1.82	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-2.386	-2.386	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-1.773	-1.773	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,%]
53	M50	X	0	0	0	%100
54	M50	Z	-2.386	-2.386	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-1.773	-1.773	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-2.873	-2.873	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-2.873	-2.873	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-2.873	-2.873	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-2.873	-2.873	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-2.873	-2.873	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-2.873	-2.873	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-2.873	-2.873	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-2.873	-2.873	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-2.873	-2.873	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-2.873	-2.873	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-2.873	-2.873	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-2.873	-2.873	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-2.873	-2.873	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-2.873	-2.873	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-2.873	-2.873	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-4.564	-4.564	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-1.141	-1.141	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	-2e-6	-2e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-2e-6	-2e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-1.456	-1.456	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-1.46	-1.46	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-1.46	-1.46	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-1.456	-1.456	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	-3.178	-3.178	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	-.795	-.795	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-.795	-.795	0	%100
109	M124A	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,%]
110	M124A	Z	-.857	-.857	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-.857	-.857	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-3.428	-3.428	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	-3.178	-3.178	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	-.795	-.795	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	-.795	-.795	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	-.857	-.857	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	-.857	-.857	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	-3.428	-3.428	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	-2.28	-2.28	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	-2.28	-2.28	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	-3.14	-3.14	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	-.432	-.432	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	-.432	-.432	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	-3.14	-3.14	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	M4	X	.329	.329	0	%100
2	M4	Z	-.571	-.571	0	%100
3	M5	X	.401	.401	0	%100
4	M5	Z	-.694	-.694	0	%100
5	M10	X	.329	.329	0	%100
6	M10	Z	-.571	-.571	0	%100
7	M11	X	.401	.401	0	%100
8	M11	Z	-.694	-.694	0	%100
9	M16	X	1.318	1.318	0	%100
10	M16	Z	-2.282	-2.282	0	%100
11	M17	X	1.604	1.604	0	%100
12	M17	Z	-2.778	-2.778	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	1.192	1.192	0	%100
16	M19	Z	-2.064	-2.064	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	1.192	1.192	0	%100
20	M21	Z	-2.064	-2.064	0	%100
21	M22	X	1.165	1.165	0	%100
22	M22	Z	-2.018	-2.018	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	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,%]
25	M24	X	1.165	1.165	0	%100
26	M24	Z	-2.018	-2.018	0	%100
27	M25	X	1.192	1.192	0	%100
28	M25	Z	-2.064	-2.064	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	1.192	1.192	0	%100
32	M27	Z	-2.064	-2.064	0	%100
33	M28	X	.304	.304	0	%100
34	M28	Z	-.527	-.527	0	%100
35	M29	X	.302	.302	0	%100
36	M29	Z	-.523	-.523	0	%100
37	M30	X	1.212	1.212	0	%100
38	M30	Z	-2.099	-2.099	0	%100
39	M31	X	1.212	1.212	0	%100
40	M31	Z	-2.099	-2.099	0	%100
41	M32	X	.302	.302	0	%100
42	M32	Z	-.523	-.523	0	%100
43	M33	X	.304	.304	0	%100
44	M33	Z	-.527	-.527	0	%100
45	M38	X	.398	.398	0	%100
46	M38	Z	-.689	-.689	0	%100
47	M39	X	.295	.295	0	%100
48	M39	Z	-.512	-.512	0	%100
49	M44	X	.398	.398	0	%100
50	M44	Z	-.689	-.689	0	%100
51	M45	X	.295	.295	0	%100
52	M45	Z	-.512	-.512	0	%100
53	M50	X	1.591	1.591	0	%100
54	M50	Z	-2.755	-2.755	0	%100
55	M51	X	1.182	1.182	0	%100
56	M51	Z	-2.047	-2.047	0	%100
57	MP5A	X	1.437	1.437	0	%100
58	MP5A	Z	-2.488	-2.488	0	%100
59	MP4A	X	1.437	1.437	0	%100
60	MP4A	Z	-2.488	-2.488	0	%100
61	MP3A	X	1.437	1.437	0	%100
62	MP3A	Z	-2.488	-2.488	0	%100
63	MP2A	X	1.437	1.437	0	%100
64	MP2A	Z	-2.488	-2.488	0	%100
65	MP1A	X	1.437	1.437	0	%100
66	MP1A	Z	-2.488	-2.488	0	%100
67	MP5C	X	1.437	1.437	0	%100
68	MP5C	Z	-2.488	-2.488	0	%100
69	MP4C	X	1.437	1.437	0	%100
70	MP4C	Z	-2.488	-2.488	0	%100
71	MP3C	X	1.437	1.437	0	%100
72	MP3C	Z	-2.488	-2.488	0	%100
73	MP2C	X	1.437	1.437	0	%100
74	MP2C	Z	-2.488	-2.488	0	%100
75	MP1C	X	1.437	1.437	0	%100
76	MP1C	Z	-2.488	-2.488	0	%100
77	MP5B	X	1.437	1.437	0	%100
78	MP5B	Z	-2.488	-2.488	0	%100
79	MP4B	X	1.437	1.437	0	%100
80	MP4B	Z	-2.488	-2.488	0	%100
81	MP3B	X	1.437	1.437	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,%]
82	MP3B	Z	-2.488	-2.488	0	%100
83	MP2B	X	1.437	1.437	0	%100
84	MP2B	Z	-2.488	-2.488	0	%100
85	MP1B	X	1.437	1.437	0	%100
86	MP1B	Z	-2.488	-2.488	0	%100
87	M122A	X	1.711	1.711	0	%100
88	M122A	Z	-2.964	-2.964	0	%100
89	M123A	X	1.711	1.711	0	%100
90	M123A	Z	-2.964	-2.964	0	%100
91	M128	X	.244	.244	0	%100
92	M128	Z	-.422	-.422	0	%100
93	M129	X	.242	.242	0	%100
94	M129	Z	-.419	-.419	0	%100
95	M138	X	.242	.242	0	%100
96	M138	Z	-.419	-.419	0	%100
97	M141	X	.244	.244	0	%100
98	M141	Z	-.422	-.422	0	%100
99	M150	X	.972	.972	0	%100
100	M150	Z	-1.683	-1.683	0	%100
101	M153	X	.972	.972	0	%100
102	M153	Z	-1.683	-1.683	0	%100
103	M100A	X	1.192	1.192	0	%100
104	M100A	Z	-2.064	-2.064	0	%100
105	M108	X	1.192	1.192	0	%100
106	M108	Z	-2.064	-2.064	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	1.286	1.286	0	%100
110	M124A	Z	-2.227	-2.227	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	1.286	1.286	0	%100
114	M126	Z	-2.227	-2.227	0	%100
115	M133	X	1.192	1.192	0	%100
116	M133	Z	-2.064	-2.064	0	%100
117	M141A	X	1.192	1.192	0	%100
118	M141A	Z	-2.064	-2.064	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	1.286	1.286	0	%100
122	M157	Z	-2.227	-2.227	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	1.286	1.286	0	%100
126	M159	Z	-2.227	-2.227	0	%100
127	M160	X	.381	.381	0	%100
128	M160	Z	-.659	-.659	0	%100
129	M161	X	1.735	1.735	0	%100
130	M161	Z	-3.005	-3.005	0	%100
131	M162	X	1.735	1.735	0	%100
132	M162	Z	-3.005	-3.005	0	%100
133	M163	X	.381	.381	0	%100
134	M163	Z	-.659	-.659	0	%100
135	M164	X	.811	.811	0	%100
136	M164	Z	-1.404	-1.404	0	%100
137	M165	X	.811	.811	0	%100
138	M165	Z	-1.404	-1.404	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	M4	X	1.712	1.712	0	%100
2	M4	Z	-.988	-.988	0	%100
3	M5	X	2.083	2.083	0	%100
4	M5	Z	-1.203	-1.203	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	1.712	1.712	0	%100
10	M16	Z	-.988	-.988	0	%100
11	M17	X	2.083	2.083	0	%100
12	M17	Z	-1.203	-1.203	0	%100
13	M18	X	.988	.988	0	%100
14	M18	Z	-.57	-.57	0	%100
15	M19	X	2.752	2.752	0	%100
16	M19	Z	-1.589	-1.589	0	%100
17	M20	X	.688	.688	0	%100
18	M20	Z	-.397	-.397	0	%100
19	M21	X	.688	.688	0	%100
20	M21	Z	-.397	-.397	0	%100
21	M22	X	2.69	2.69	0	%100
22	M22	Z	-1.553	-1.553	0	%100
23	M23	X	.673	.673	0	%100
24	M23	Z	-.388	-.388	0	%100
25	M24	X	.673	.673	0	%100
26	M24	Z	-.388	-.388	0	%100
27	M25	X	2.752	2.752	0	%100
28	M25	Z	-1.589	-1.589	0	%100
29	M26	X	.688	.688	0	%100
30	M26	Z	-.397	-.397	0	%100
31	M27	X	.688	.688	0	%100
32	M27	Z	-.397	-.397	0	%100
33	M28	X	1.577	1.577	0	%100
34	M28	Z	-.91	-.91	0	%100
35	M29	X	3e-6	3e-6	0	%100
36	M29	Z	-2e-6	-2e-6	0	%100
37	M30	X	1.572	1.572	0	%100
38	M30	Z	-.908	-.908	0	%100
39	M31	X	1.577	1.577	0	%100
40	M31	Z	-.91	-.91	0	%100
41	M32	X	1.572	1.572	0	%100
42	M32	Z	-.908	-.908	0	%100
43	M33	X	3e-6	3e-6	0	%100
44	M33	Z	-2e-6	-2e-6	0	%100
45	M38	X	2.066	2.066	0	%100
46	M38	Z	-1.193	-1.193	0	%100
47	M39	X	1.535	1.535	0	%100
48	M39	Z	-.886	-.886	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	2.066	2.066	0	%100
54	M50	Z	-1.193	-1.193	0	%100
55	M51	X	1.535	1.535	0	%100
56	M51	Z	-.886	-.886	0	%100
57	MP5A	X	2.488	2.488	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,%]
58	MP5A	Z	-1.437	-1.437	0	%100
59	MP4A	X	2.488	2.488	0	%100
60	MP4A	Z	-1.437	-1.437	0	%100
61	MP3A	X	2.488	2.488	0	%100
62	MP3A	Z	-1.437	-1.437	0	%100
63	MP2A	X	2.488	2.488	0	%100
64	MP2A	Z	-1.437	-1.437	0	%100
65	MP1A	X	2.488	2.488	0	%100
66	MP1A	Z	-1.437	-1.437	0	%100
67	MP5C	X	2.488	2.488	0	%100
68	MP5C	Z	-1.437	-1.437	0	%100
69	MP4C	X	2.488	2.488	0	%100
70	MP4C	Z	-1.437	-1.437	0	%100
71	MP3C	X	2.488	2.488	0	%100
72	MP3C	Z	-1.437	-1.437	0	%100
73	MP2C	X	2.488	2.488	0	%100
74	MP2C	Z	-1.437	-1.437	0	%100
75	MP1C	X	2.488	2.488	0	%100
76	MP1C	Z	-1.437	-1.437	0	%100
77	MP5B	X	2.488	2.488	0	%100
78	MP5B	Z	-1.437	-1.437	0	%100
79	MP4B	X	2.488	2.488	0	%100
80	MP4B	Z	-1.437	-1.437	0	%100
81	MP3B	X	2.488	2.488	0	%100
82	MP3B	Z	-1.437	-1.437	0	%100
83	MP2B	X	2.488	2.488	0	%100
84	MP2B	Z	-1.437	-1.437	0	%100
85	MP1B	X	2.488	2.488	0	%100
86	MP1B	Z	-1.437	-1.437	0	%100
87	M122A	X	.988	.988	0	%100
88	M122A	Z	-.57	-.57	0	%100
89	M123A	X	3.952	3.952	0	%100
90	M123A	Z	-2.282	-2.282	0	%100
91	M128	X	1.264	1.264	0	%100
92	M128	Z	-.73	-.73	0	%100
93	M129	X	1.261	1.261	0	%100
94	M129	Z	-.728	-.728	0	%100
95	M138	X	2e-6	2e-6	0	%100
96	M138	Z	-1e-6	-1e-6	0	%100
97	M141	X	2e-6	2e-6	0	%100
98	M141	Z	-1e-6	-1e-6	0	%100
99	M150	X	1.261	1.261	0	%100
100	M150	Z	-.728	-.728	0	%100
101	M153	X	1.264	1.264	0	%100
102	M153	Z	-.73	-.73	0	%100
103	M100A	X	.688	.688	0	%100
104	M100A	Z	-.397	-.397	0	%100
105	M108	X	2.753	2.753	0	%100
106	M108	Z	-1.589	-1.589	0	%100
107	M116	X	.688	.688	0	%100
108	M116	Z	-.397	-.397	0	%100
109	M124A	X	2.969	2.969	0	%100
110	M124A	Z	-1.714	-1.714	0	%100
111	M125A	X	.742	.742	0	%100
112	M125A	Z	-.428	-.428	0	%100
113	M126	X	.742	.742	0	%100
114	M126	Z	-.429	-.429	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,%]
115	M133	X	.688	.688	0	%100
116	M133	Z	-.397	-.397	0	%100
117	M141A	X	2.753	2.753	0	%100
118	M141A	Z	-1.589	-1.589	0	%100
119	M149A	X	.688	.688	0	%100
120	M149A	Z	-.397	-.397	0	%100
121	M157	X	2.969	2.969	0	%100
122	M157	Z	-1.714	-1.714	0	%100
123	M158	X	.742	.742	0	%100
124	M158	Z	-.428	-.428	0	%100
125	M159	X	.742	.742	0	%100
126	M159	Z	-.429	-.429	0	%100
127	M160	X	.374	.374	0	%100
128	M160	Z	-.216	-.216	0	%100
129	M161	X	2.72	2.72	0	%100
130	M161	Z	-1.57	-1.57	0	%100
131	M162	X	1.975	1.975	0	%100
132	M162	Z	-1.14	-1.14	0	%100
133	M163	X	1.975	1.975	0	%100
134	M163	Z	-1.14	-1.14	0	%100
135	M164	X	2.72	2.72	0	%100
136	M164	Z	-1.57	-1.57	0	%100
137	M165	X	.374	.374	0	%100
138	M165	Z	-.216	-.216	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	M4	X	2.635	2.635	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	3.207	3.207	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.659	.659	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.802	.802	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.659	.659	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	.802	.802	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	3.423	3.423	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	2.384	2.384	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	2.384	2.384	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	2.33	2.33	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	2.33	2.33	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	2.384	2.384	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	2.384	2.384	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,%]
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	2.424	2.424	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	.608	.608	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	.604	.604	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	.608	.608	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	2.424	2.424	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	.604	.604	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	3.181	3.181	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	2.364	2.364	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	.795	.795	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	.591	.591	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.795	.795	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.591	.591	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	2.873	2.873	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	2.873	2.873	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	2.873	2.873	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	2.873	2.873	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	2.873	2.873	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	2.873	2.873	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	2.873	2.873	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	2.873	2.873	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	2.873	2.873	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	2.873	2.873	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	2.873	2.873	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	2.873	2.873	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	2.873	2.873	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	2.873	2.873	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	2.873	2.873	0	%100
86	MP1B	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,%]
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	3.423	3.423	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	1.943	1.943	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	1.943	1.943	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	.488	.488	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	.484	.484	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.484	.484	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	.488	.488	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	2.384	2.384	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	2.384	2.384	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	2.571	2.571	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	2.571	2.571	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	2.384	2.384	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	2.384	2.384	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	2.571	2.571	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	2.571	2.571	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	1.621	1.621	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	1.621	1.621	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	.761	.761	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	3.47	3.47	0	%100
134	M163	Z	0	0	0	%100
135	M164	X	3.47	3.47	0	%100
136	M164	Z	0	0	0	%100
137	M165	X	.761	.761	0	%100
138	M165	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	M4	X	1.712	1.712	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,%]
2	M4	Z	.988	.988	0	%100
3	M5	X	2.083	2.083	0	%100
4	M5	Z	1.203	1.203	0	%100
5	M10	X	1.712	1.712	0	%100
6	M10	Z	.988	.988	0	%100
7	M11	X	2.083	2.083	0	%100
8	M11	Z	1.203	1.203	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	3.952	3.952	0	%100
14	M18	Z	2.282	2.282	0	%100
15	M19	X	.688	.688	0	%100
16	M19	Z	.397	.397	0	%100
17	M20	X	2.752	2.752	0	%100
18	M20	Z	1.589	1.589	0	%100
19	M21	X	.688	.688	0	%100
20	M21	Z	.397	.397	0	%100
21	M22	X	.673	.673	0	%100
22	M22	Z	.388	.388	0	%100
23	M23	X	2.69	2.69	0	%100
24	M23	Z	1.553	1.553	0	%100
25	M24	X	.673	.673	0	%100
26	M24	Z	.388	.388	0	%100
27	M25	X	.688	.688	0	%100
28	M25	Z	.397	.397	0	%100
29	M26	X	2.752	2.752	0	%100
30	M26	Z	1.589	1.589	0	%100
31	M27	X	.688	.688	0	%100
32	M27	Z	.397	.397	0	%100
33	M28	X	1.572	1.572	0	%100
34	M28	Z	.908	.908	0	%100
35	M29	X	1.577	1.577	0	%100
36	M29	Z	.91	.91	0	%100
37	M30	X	3e-6	3e-6	0	%100
38	M30	Z	2e-6	2e-6	0	%100
39	M31	X	3e-6	3e-6	0	%100
40	M31	Z	2e-6	2e-6	0	%100
41	M32	X	1.577	1.577	0	%100
42	M32	Z	.91	.91	0	%100
43	M33	X	1.572	1.572	0	%100
44	M33	Z	.908	.908	0	%100
45	M38	X	2.066	2.066	0	%100
46	M38	Z	1.193	1.193	0	%100
47	M39	X	1.535	1.535	0	%100
48	M39	Z	.886	.886	0	%100
49	M44	X	2.066	2.066	0	%100
50	M44	Z	1.193	1.193	0	%100
51	M45	X	1.535	1.535	0	%100
52	M45	Z	.886	.886	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	2.488	2.488	0	%100
58	MP5A	Z	1.437	1.437	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,%]
59	MP4A	X	2.488	2.488	0	%100
60	MP4A	Z	1.437	1.437	0	%100
61	MP3A	X	2.488	2.488	0	%100
62	MP3A	Z	1.437	1.437	0	%100
63	MP2A	X	2.488	2.488	0	%100
64	MP2A	Z	1.437	1.437	0	%100
65	MP1A	X	2.488	2.488	0	%100
66	MP1A	Z	1.437	1.437	0	%100
67	MP5C	X	2.488	2.488	0	%100
68	MP5C	Z	1.437	1.437	0	%100
69	MP4C	X	2.488	2.488	0	%100
70	MP4C	Z	1.437	1.437	0	%100
71	MP3C	X	2.488	2.488	0	%100
72	MP3C	Z	1.437	1.437	0	%100
73	MP2C	X	2.488	2.488	0	%100
74	MP2C	Z	1.437	1.437	0	%100
75	MP1C	X	2.488	2.488	0	%100
76	MP1C	Z	1.437	1.437	0	%100
77	MP5B	X	2.488	2.488	0	%100
78	MP5B	Z	1.437	1.437	0	%100
79	MP4B	X	2.488	2.488	0	%100
80	MP4B	Z	1.437	1.437	0	%100
81	MP3B	X	2.488	2.488	0	%100
82	MP3B	Z	1.437	1.437	0	%100
83	MP2B	X	2.488	2.488	0	%100
84	MP2B	Z	1.437	1.437	0	%100
85	MP1B	X	2.488	2.488	0	%100
86	MP1B	Z	1.437	1.437	0	%100
87	M122A	X	.988	.988	0	%100
88	M122A	Z	.57	.57	0	%100
89	M123A	X	.988	.988	0	%100
90	M123A	Z	.57	.57	0	%100
91	M128	X	1.261	1.261	0	%100
92	M128	Z	.728	.728	0	%100
93	M129	X	1.264	1.264	0	%100
94	M129	Z	.73	.73	0	%100
95	M138	X	1.264	1.264	0	%100
96	M138	Z	.73	.73	0	%100
97	M141	X	1.261	1.261	0	%100
98	M141	Z	.728	.728	0	%100
99	M150	X	2e-6	2e-6	0	%100
100	M150	Z	1e-6	1e-6	0	%100
101	M153	X	2e-6	2e-6	0	%100
102	M153	Z	1e-6	1e-6	0	%100
103	M100A	X	.688	.688	0	%100
104	M100A	Z	.397	.397	0	%100
105	M108	X	.688	.688	0	%100
106	M108	Z	.397	.397	0	%100
107	M116	X	2.753	2.753	0	%100
108	M116	Z	1.589	1.589	0	%100
109	M124A	X	.742	.742	0	%100
110	M124A	Z	.429	.429	0	%100
111	M125A	X	2.969	2.969	0	%100
112	M125A	Z	1.714	1.714	0	%100
113	M126	X	.742	.742	0	%100
114	M126	Z	.428	.428	0	%100
115	M133	X	.688	.688	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,%]
116	M133	Z	.397	.397	0	%100
117	M141A	X	.688	.688	0	%100
118	M141A	Z	.397	.397	0	%100
119	M149A	X	2.753	2.753	0	%100
120	M149A	Z	1.589	1.589	0	%100
121	M157	X	.742	.742	0	%100
122	M157	Z	.429	.429	0	%100
123	M158	X	2.969	2.969	0	%100
124	M158	Z	1.714	1.714	0	%100
125	M159	X	.742	.742	0	%100
126	M159	Z	.428	.428	0	%100
127	M160	X	2.72	2.72	0	%100
128	M160	Z	1.57	1.57	0	%100
129	M161	X	.374	.374	0	%100
130	M161	Z	.216	.216	0	%100
131	M162	X	.374	.374	0	%100
132	M162	Z	.216	.216	0	%100
133	M163	X	2.72	2.72	0	%100
134	M163	Z	1.57	1.57	0	%100
135	M164	X	1.975	1.975	0	%100
136	M164	Z	1.14	1.14	0	%100
137	M165	X	1.975	1.975	0	%100
138	M165	Z	1.14	1.14	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	M4	X	.329	.329	0	%100
2	M4	Z	.571	.571	0	%100
3	M5	X	.401	.401	0	%100
4	M5	Z	.694	.694	0	%100
5	M10	X	1.318	1.318	0	%100
6	M10	Z	2.282	2.282	0	%100
7	M11	X	1.604	1.604	0	%100
8	M11	Z	2.778	2.778	0	%100
9	M16	X	.329	.329	0	%100
10	M16	Z	.571	.571	0	%100
11	M17	X	.401	.401	0	%100
12	M17	Z	.694	.694	0	%100
13	M18	X	1.711	1.711	0	%100
14	M18	Z	2.964	2.964	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	1.192	1.192	0	%100
18	M20	Z	2.064	2.064	0	%100
19	M21	X	1.192	1.192	0	%100
20	M21	Z	2.064	2.064	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	1.165	1.165	0	%100
24	M23	Z	2.018	2.018	0	%100
25	M24	X	1.165	1.165	0	%100
26	M24	Z	2.018	2.018	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	1.192	1.192	0	%100
30	M26	Z	2.064	2.064	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,%]
31	M27	X	1.192	1.192	0	%100
32	M27	Z	2.064	2.064	0	%100
33	M28	X	.302	.302	0	%100
34	M28	Z	.523	.523	0	%100
35	M29	X	1.212	1.212	0	%100
36	M29	Z	2.099	2.099	0	%100
37	M30	X	.304	.304	0	%100
38	M30	Z	.527	.527	0	%100
39	M31	X	.302	.302	0	%100
40	M31	Z	.523	.523	0	%100
41	M32	X	.304	.304	0	%100
42	M32	Z	.527	.527	0	%100
43	M33	X	1.212	1.212	0	%100
44	M33	Z	2.099	2.099	0	%100
45	M38	X	.398	.398	0	%100
46	M38	Z	.689	.689	0	%100
47	M39	X	.295	.295	0	%100
48	M39	Z	.512	.512	0	%100
49	M44	X	1.591	1.591	0	%100
50	M44	Z	2.755	2.755	0	%100
51	M45	X	1.182	1.182	0	%100
52	M45	Z	2.047	2.047	0	%100
53	M50	X	.398	.398	0	%100
54	M50	Z	.689	.689	0	%100
55	M51	X	.295	.295	0	%100
56	M51	Z	.512	.512	0	%100
57	MP5A	X	1.437	1.437	0	%100
58	MP5A	Z	2.488	2.488	0	%100
59	MP4A	X	1.437	1.437	0	%100
60	MP4A	Z	2.488	2.488	0	%100
61	MP3A	X	1.437	1.437	0	%100
62	MP3A	Z	2.488	2.488	0	%100
63	MP2A	X	1.437	1.437	0	%100
64	MP2A	Z	2.488	2.488	0	%100
65	MP1A	X	1.437	1.437	0	%100
66	MP1A	Z	2.488	2.488	0	%100
67	MP5C	X	1.437	1.437	0	%100
68	MP5C	Z	2.488	2.488	0	%100
69	MP4C	X	1.437	1.437	0	%100
70	MP4C	Z	2.488	2.488	0	%100
71	MP3C	X	1.437	1.437	0	%100
72	MP3C	Z	2.488	2.488	0	%100
73	MP2C	X	1.437	1.437	0	%100
74	MP2C	Z	2.488	2.488	0	%100
75	MP1C	X	1.437	1.437	0	%100
76	MP1C	Z	2.488	2.488	0	%100
77	MP5B	X	1.437	1.437	0	%100
78	MP5B	Z	2.488	2.488	0	%100
79	MP4B	X	1.437	1.437	0	%100
80	MP4B	Z	2.488	2.488	0	%100
81	MP3B	X	1.437	1.437	0	%100
82	MP3B	Z	2.488	2.488	0	%100
83	MP2B	X	1.437	1.437	0	%100
84	MP2B	Z	2.488	2.488	0	%100
85	MP1B	X	1.437	1.437	0	%100
86	MP1B	Z	2.488	2.488	0	%100
87	M122A	X	1.711	1.711	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,%]
88	M122A	Z	2.964	2.964	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.242	.242	0	%100
92	M128	Z	.419	.419	0	%100
93	M129	X	.244	.244	0	%100
94	M129	Z	.422	.422	0	%100
95	M138	X	.972	.972	0	%100
96	M138	Z	1.683	1.683	0	%100
97	M141	X	.972	.972	0	%100
98	M141	Z	1.683	1.683	0	%100
99	M150	X	.244	.244	0	%100
100	M150	Z	.422	.422	0	%100
101	M153	X	.242	.242	0	%100
102	M153	Z	.419	.419	0	%100
103	M100A	X	1.192	1.192	0	%100
104	M100A	Z	2.064	2.064	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	1.192	1.192	0	%100
108	M116	Z	2.064	2.064	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	1.286	1.286	0	%100
112	M125A	Z	2.227	2.227	0	%100
113	M126	X	1.286	1.286	0	%100
114	M126	Z	2.227	2.227	0	%100
115	M133	X	1.192	1.192	0	%100
116	M133	Z	2.064	2.064	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	1.192	1.192	0	%100
120	M149A	Z	2.064	2.064	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	1.286	1.286	0	%100
124	M158	Z	2.227	2.227	0	%100
125	M159	X	1.286	1.286	0	%100
126	M159	Z	2.227	2.227	0	%100
127	M160	X	1.735	1.735	0	%100
128	M160	Z	3.005	3.005	0	%100
129	M161	X	.381	.381	0	%100
130	M161	Z	.659	.659	0	%100
131	M162	X	.811	.811	0	%100
132	M162	Z	1.404	1.404	0	%100
133	M163	X	.811	.811	0	%100
134	M163	Z	1.404	1.404	0	%100
135	M164	X	.381	.381	0	%100
136	M164	Z	.659	.659	0	%100
137	M165	X	1.735	1.735	0	%100
138	M165	Z	3.005	3.005	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	1.976	1.976	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	2.405	2.405	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	1.976	1.976	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	2.405	2.405	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	1.141	1.141	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	.795	.795	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	.795	.795	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	3.178	3.178	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	.777	.777	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	.777	.777	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	3.106	3.106	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	.795	.795	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.795	.795	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	3.178	3.178	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	3e-6	3e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	1.816	1.816	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	1.82	1.82	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	1.816	1.816	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	3e-6	3e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	1.82	1.82	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	2.386	2.386	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	1.773	1.773	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	2.386	2.386	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	1.773	1.773	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	2.873	2.873	0	%100
59	MP4A	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,%]
60	MP4A	Z	2.873	2.873	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	2.873	2.873	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	2.873	2.873	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	2.873	2.873	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	2.873	2.873	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	2.873	2.873	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	2.873	2.873	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	2.873	2.873	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	2.873	2.873	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	2.873	2.873	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	2.873	2.873	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	2.873	2.873	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	2.873	2.873	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	2.873	2.873	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	4.564	4.564	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	1.141	1.141	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	2e-6	2e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	2e-6	2e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	1.456	1.456	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	1.46	1.46	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	1.46	1.46	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	1.456	1.456	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	3.178	3.178	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	.795	.795	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	.795	.795	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	.857	.857	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	.857	.857	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	3.428	3.428	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	3.178	3.178	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,%]
117	M141A	X	0	0	0	%100
118	M141A	Z	.795	.795	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	.795	.795	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	.857	.857	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	.857	.857	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	3.428	3.428	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	2.28	2.28	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	2.28	2.28	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	3.14	3.14	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	.432	.432	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	.432	.432	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	3.14	3.14	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	M4	X	-.329	-.329	0	%100
2	M4	Z	.571	.571	0	%100
3	M5	X	-.401	-.401	0	%100
4	M5	Z	.694	.694	0	%100
5	M10	X	-.329	-.329	0	%100
6	M10	Z	.571	.571	0	%100
7	M11	X	-.401	-.401	0	%100
8	M11	Z	.694	.694	0	%100
9	M16	X	-1.318	-1.318	0	%100
10	M16	Z	2.282	2.282	0	%100
11	M17	X	-1.604	-1.604	0	%100
12	M17	Z	2.778	2.778	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-1.192	-1.192	0	%100
16	M19	Z	2.064	2.064	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-1.192	-1.192	0	%100
20	M21	Z	2.064	2.064	0	%100
21	M22	X	-1.165	-1.165	0	%100
22	M22	Z	2.018	2.018	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-1.165	-1.165	0	%100
26	M24	Z	2.018	2.018	0	%100
27	M25	X	-1.192	-1.192	0	%100
28	M25	Z	2.064	2.064	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-1.192	-1.192	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,%]
32	M27	Z	2.064	2.064	0	%100
33	M28	X	-.304	-.304	0	%100
34	M28	Z	.527	.527	0	%100
35	M29	X	-.302	-.302	0	%100
36	M29	Z	.523	.523	0	%100
37	M30	X	-1.212	-1.212	0	%100
38	M30	Z	2.099	2.099	0	%100
39	M31	X	-1.212	-1.212	0	%100
40	M31	Z	2.099	2.099	0	%100
41	M32	X	-.302	-.302	0	%100
42	M32	Z	.523	.523	0	%100
43	M33	X	-.304	-.304	0	%100
44	M33	Z	.527	.527	0	%100
45	M38	X	-.398	-.398	0	%100
46	M38	Z	.689	.689	0	%100
47	M39	X	-.295	-.295	0	%100
48	M39	Z	.512	.512	0	%100
49	M44	X	-.398	-.398	0	%100
50	M44	Z	.689	.689	0	%100
51	M45	X	-.295	-.295	0	%100
52	M45	Z	.512	.512	0	%100
53	M50	X	-1.591	-1.591	0	%100
54	M50	Z	2.755	2.755	0	%100
55	M51	X	-1.182	-1.182	0	%100
56	M51	Z	2.047	2.047	0	%100
57	MP5A	X	-1.437	-1.437	0	%100
58	MP5A	Z	2.488	2.488	0	%100
59	MP4A	X	-1.437	-1.437	0	%100
60	MP4A	Z	2.488	2.488	0	%100
61	MP3A	X	-1.437	-1.437	0	%100
62	MP3A	Z	2.488	2.488	0	%100
63	MP2A	X	-1.437	-1.437	0	%100
64	MP2A	Z	2.488	2.488	0	%100
65	MP1A	X	-1.437	-1.437	0	%100
66	MP1A	Z	2.488	2.488	0	%100
67	MP5C	X	-1.437	-1.437	0	%100
68	MP5C	Z	2.488	2.488	0	%100
69	MP4C	X	-1.437	-1.437	0	%100
70	MP4C	Z	2.488	2.488	0	%100
71	MP3C	X	-1.437	-1.437	0	%100
72	MP3C	Z	2.488	2.488	0	%100
73	MP2C	X	-1.437	-1.437	0	%100
74	MP2C	Z	2.488	2.488	0	%100
75	MP1C	X	-1.437	-1.437	0	%100
76	MP1C	Z	2.488	2.488	0	%100
77	MP5B	X	-1.437	-1.437	0	%100
78	MP5B	Z	2.488	2.488	0	%100
79	MP4B	X	-1.437	-1.437	0	%100
80	MP4B	Z	2.488	2.488	0	%100
81	MP3B	X	-1.437	-1.437	0	%100
82	MP3B	Z	2.488	2.488	0	%100
83	MP2B	X	-1.437	-1.437	0	%100
84	MP2B	Z	2.488	2.488	0	%100
85	MP1B	X	-1.437	-1.437	0	%100
86	MP1B	Z	2.488	2.488	0	%100
87	M122A	X	-1.711	-1.711	0	%100
88	M122A	Z	2.964	2.964	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,%]
89	M123A	X	-1.711	-1.711	0	%100
90	M123A	Z	2.964	2.964	0	%100
91	M128	X	-.244	-.244	0	%100
92	M128	Z	.422	.422	0	%100
93	M129	X	-.242	-.242	0	%100
94	M129	Z	.419	.419	0	%100
95	M138	X	-.242	-.242	0	%100
96	M138	Z	.419	.419	0	%100
97	M141	X	-.244	-.244	0	%100
98	M141	Z	.422	.422	0	%100
99	M150	X	-.972	-.972	0	%100
100	M150	Z	1.683	1.683	0	%100
101	M153	X	-.972	-.972	0	%100
102	M153	Z	1.683	1.683	0	%100
103	M100A	X	-1.192	-1.192	0	%100
104	M100A	Z	2.064	2.064	0	%100
105	M108	X	-1.192	-1.192	0	%100
106	M108	Z	2.064	2.064	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-1.286	-1.286	0	%100
110	M124A	Z	2.227	2.227	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	-1.286	-1.286	0	%100
114	M126	Z	2.227	2.227	0	%100
115	M133	X	-1.192	-1.192	0	%100
116	M133	Z	2.064	2.064	0	%100
117	M141A	X	-1.192	-1.192	0	%100
118	M141A	Z	2.064	2.064	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-1.286	-1.286	0	%100
122	M157	Z	2.227	2.227	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	-1.286	-1.286	0	%100
126	M159	Z	2.227	2.227	0	%100
127	M160	X	-.381	-.381	0	%100
128	M160	Z	.659	.659	0	%100
129	M161	X	-1.735	-1.735	0	%100
130	M161	Z	3.005	3.005	0	%100
131	M162	X	-1.735	-1.735	0	%100
132	M162	Z	3.005	3.005	0	%100
133	M163	X	-.381	-.381	0	%100
134	M163	Z	.659	.659	0	%100
135	M164	X	-.811	-.811	0	%100
136	M164	Z	1.404	1.404	0	%100
137	M165	X	-.811	-.811	0	%100
138	M165	Z	1.404	1.404	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	M4	X	-1.712	-1.712	0	%100
2	M4	Z	.988	.988	0	%100
3	M5	X	-2.083	-2.083	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,%]
4	M5	Z	1.203	1.203	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-1.712	-1.712	0	%100
10	M16	Z	.988	.988	0	%100
11	M17	X	-2.083	-2.083	0	%100
12	M17	Z	1.203	1.203	0	%100
13	M18	X	-.988	-.988	0	%100
14	M18	Z	.57	.57	0	%100
15	M19	X	-2.752	-2.752	0	%100
16	M19	Z	1.589	1.589	0	%100
17	M20	X	-.688	-.688	0	%100
18	M20	Z	.397	.397	0	%100
19	M21	X	-.688	-.688	0	%100
20	M21	Z	.397	.397	0	%100
21	M22	X	-2.69	-2.69	0	%100
22	M22	Z	1.553	1.553	0	%100
23	M23	X	-.673	-.673	0	%100
24	M23	Z	.388	.388	0	%100
25	M24	X	-.673	-.673	0	%100
26	M24	Z	.388	.388	0	%100
27	M25	X	-2.752	-2.752	0	%100
28	M25	Z	1.589	1.589	0	%100
29	M26	X	-.688	-.688	0	%100
30	M26	Z	.397	.397	0	%100
31	M27	X	-.688	-.688	0	%100
32	M27	Z	.397	.397	0	%100
33	M28	X	-1.577	-1.577	0	%100
34	M28	Z	.91	.91	0	%100
35	M29	X	-3e-6	-3e-6	0	%100
36	M29	Z	2e-6	2e-6	0	%100
37	M30	X	-1.572	-1.572	0	%100
38	M30	Z	.908	.908	0	%100
39	M31	X	-1.577	-1.577	0	%100
40	M31	Z	.91	.91	0	%100
41	M32	X	-1.572	-1.572	0	%100
42	M32	Z	.908	.908	0	%100
43	M33	X	-3e-6	-3e-6	0	%100
44	M33	Z	2e-6	2e-6	0	%100
45	M38	X	-2.066	-2.066	0	%100
46	M38	Z	1.193	1.193	0	%100
47	M39	X	-1.535	-1.535	0	%100
48	M39	Z	.886	.886	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-2.066	-2.066	0	%100
54	M50	Z	1.193	1.193	0	%100
55	M51	X	-1.535	-1.535	0	%100
56	M51	Z	.886	.886	0	%100
57	MP5A	X	-2.488	-2.488	0	%100
58	MP5A	Z	1.437	1.437	0	%100
59	MP4A	X	-2.488	-2.488	0	%100
60	MP4A	Z	1.437	1.437	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,%]
61	MP3A	X	-2.488	-2.488	0	%100
62	MP3A	Z	1.437	1.437	0	%100
63	MP2A	X	-2.488	-2.488	0	%100
64	MP2A	Z	1.437	1.437	0	%100
65	MP1A	X	-2.488	-2.488	0	%100
66	MP1A	Z	1.437	1.437	0	%100
67	MP5C	X	-2.488	-2.488	0	%100
68	MP5C	Z	1.437	1.437	0	%100
69	MP4C	X	-2.488	-2.488	0	%100
70	MP4C	Z	1.437	1.437	0	%100
71	MP3C	X	-2.488	-2.488	0	%100
72	MP3C	Z	1.437	1.437	0	%100
73	MP2C	X	-2.488	-2.488	0	%100
74	MP2C	Z	1.437	1.437	0	%100
75	MP1C	X	-2.488	-2.488	0	%100
76	MP1C	Z	1.437	1.437	0	%100
77	MP5B	X	-2.488	-2.488	0	%100
78	MP5B	Z	1.437	1.437	0	%100
79	MP4B	X	-2.488	-2.488	0	%100
80	MP4B	Z	1.437	1.437	0	%100
81	MP3B	X	-2.488	-2.488	0	%100
82	MP3B	Z	1.437	1.437	0	%100
83	MP2B	X	-2.488	-2.488	0	%100
84	MP2B	Z	1.437	1.437	0	%100
85	MP1B	X	-2.488	-2.488	0	%100
86	MP1B	Z	1.437	1.437	0	%100
87	M122A	X	-.988	-.988	0	%100
88	M122A	Z	.57	.57	0	%100
89	M123A	X	-3.952	-3.952	0	%100
90	M123A	Z	2.282	2.282	0	%100
91	M128	X	-1.264	-1.264	0	%100
92	M128	Z	.73	.73	0	%100
93	M129	X	-1.261	-1.261	0	%100
94	M129	Z	.728	.728	0	%100
95	M138	X	-2e-6	-2e-6	0	%100
96	M138	Z	1e-6	1e-6	0	%100
97	M141	X	-2e-6	-2e-6	0	%100
98	M141	Z	1e-6	1e-6	0	%100
99	M150	X	-1.261	-1.261	0	%100
100	M150	Z	.728	.728	0	%100
101	M153	X	-1.264	-1.264	0	%100
102	M153	Z	.73	.73	0	%100
103	M100A	X	-.688	-.688	0	%100
104	M100A	Z	.397	.397	0	%100
105	M108	X	-2.753	-2.753	0	%100
106	M108	Z	1.589	1.589	0	%100
107	M116	X	-.688	-.688	0	%100
108	M116	Z	.397	.397	0	%100
109	M124A	X	-2.969	-2.969	0	%100
110	M124A	Z	1.714	1.714	0	%100
111	M125A	X	-.742	-.742	0	%100
112	M125A	Z	.428	.428	0	%100
113	M126	X	-.742	-.742	0	%100
114	M126	Z	.429	.429	0	%100
115	M133	X	-.688	-.688	0	%100
116	M133	Z	.397	.397	0	%100
117	M141A	X	-2.753	-2.753	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,%]
118	M141A	Z	1.589	1.589	0	%100
119	M149A	X	-.688	-.688	0	%100
120	M149A	Z	.397	.397	0	%100
121	M157	X	-2.969	-2.969	0	%100
122	M157	Z	1.714	1.714	0	%100
123	M158	X	-.742	-.742	0	%100
124	M158	Z	.428	.428	0	%100
125	M159	X	-.742	-.742	0	%100
126	M159	Z	.429	.429	0	%100
127	M160	X	-.374	-.374	0	%100
128	M160	Z	.216	.216	0	%100
129	M161	X	-2.72	-2.72	0	%100
130	M161	Z	1.57	1.57	0	%100
131	M162	X	-1.975	-1.975	0	%100
132	M162	Z	1.14	1.14	0	%100
133	M163	X	-1.975	-1.975	0	%100
134	M163	Z	1.14	1.14	0	%100
135	M164	X	-2.72	-2.72	0	%100
136	M164	Z	1.57	1.57	0	%100
137	M165	X	-.374	-.374	0	%100
138	M165	Z	.216	.216	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	M4	X	-2.635	-2.635	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-3.207	-3.207	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.659	-.659	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.802	-.802	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.659	-.659	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.802	-.802	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-3.423	-3.423	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-2.384	-2.384	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-2.384	-2.384	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-2.33	-2.33	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-2.33	-2.33	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-2.384	-2.384	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-2.384	-2.384	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	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,%]
33	M28	X	-2.424	-2.424	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-.608	-.608	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.604	-.604	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	-.608	-.608	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-2.424	-2.424	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-.604	-.604	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-3.181	-3.181	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-2.364	-2.364	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-.795	-.795	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	-.591	-.591	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.795	-.795	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.591	-.591	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-2.873	-2.873	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-2.873	-2.873	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-2.873	-2.873	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-2.873	-2.873	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-2.873	-2.873	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	-2.873	-2.873	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-2.873	-2.873	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-2.873	-2.873	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-2.873	-2.873	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-2.873	-2.873	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-2.873	-2.873	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-2.873	-2.873	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	-2.873	-2.873	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-2.873	-2.873	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-2.873	-2.873	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-3.423	-3.423	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,%]
90	M123A	Z	0	0	0	%100
91	M128	X	-1.943	-1.943	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-1.943	-1.943	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-.488	-.488	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	-.484	-.484	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.484	-.484	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-.488	-.488	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	-2.384	-2.384	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-2.384	-2.384	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-2.571	-2.571	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-2.571	-2.571	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	-2.384	-2.384	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-2.384	-2.384	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-2.571	-2.571	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-2.571	-2.571	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	-1.621	-1.621	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	-1.621	-1.621	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	-.761	-.761	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	-3.47	-3.47	0	%100
134	M163	Z	0	0	0	%100
135	M164	X	-3.47	-3.47	0	%100
136	M164	Z	0	0	0	%100
137	M165	X	-.761	-.761	0	%100
138	M165	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	M4	X	-1.712	-1.712	0	%100
2	M4	Z	-.988	-.988	0	%100
3	M5	X	-2.083	-2.083	0	%100
4	M5	Z	-1.203	-1.203	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,%]
5	M10	X	-1.712	-1.712	0	%100
6	M10	Z	-.988	-.988	0	%100
7	M11	X	-2.083	-2.083	0	%100
8	M11	Z	-1.203	-1.203	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-3.952	-3.952	0	%100
14	M18	Z	-2.282	-2.282	0	%100
15	M19	X	-.688	-.688	0	%100
16	M19	Z	-.397	-.397	0	%100
17	M20	X	-2.752	-2.752	0	%100
18	M20	Z	-1.589	-1.589	0	%100
19	M21	X	-.688	-.688	0	%100
20	M21	Z	-.397	-.397	0	%100
21	M22	X	-.673	-.673	0	%100
22	M22	Z	-.388	-.388	0	%100
23	M23	X	-2.69	-2.69	0	%100
24	M23	Z	-1.553	-1.553	0	%100
25	M24	X	-.673	-.673	0	%100
26	M24	Z	-.388	-.388	0	%100
27	M25	X	-.688	-.688	0	%100
28	M25	Z	-.397	-.397	0	%100
29	M26	X	-2.752	-2.752	0	%100
30	M26	Z	-1.589	-1.589	0	%100
31	M27	X	-.688	-.688	0	%100
32	M27	Z	-.397	-.397	0	%100
33	M28	X	-1.572	-1.572	0	%100
34	M28	Z	-.908	-.908	0	%100
35	M29	X	-1.577	-1.577	0	%100
36	M29	Z	-.91	-.91	0	%100
37	M30	X	-3e-6	-3e-6	0	%100
38	M30	Z	-2e-6	-2e-6	0	%100
39	M31	X	-3e-6	-3e-6	0	%100
40	M31	Z	-2e-6	-2e-6	0	%100
41	M32	X	-1.577	-1.577	0	%100
42	M32	Z	-.91	-.91	0	%100
43	M33	X	-1.572	-1.572	0	%100
44	M33	Z	-.908	-.908	0	%100
45	M38	X	-2.066	-2.066	0	%100
46	M38	Z	-1.193	-1.193	0	%100
47	M39	X	-1.535	-1.535	0	%100
48	M39	Z	-.886	-.886	0	%100
49	M44	X	-2.066	-2.066	0	%100
50	M44	Z	-1.193	-1.193	0	%100
51	M45	X	-1.535	-1.535	0	%100
52	M45	Z	-.886	-.886	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-2.488	-2.488	0	%100
58	MP5A	Z	-1.437	-1.437	0	%100
59	MP4A	X	-2.488	-2.488	0	%100
60	MP4A	Z	-1.437	-1.437	0	%100
61	MP3A	X	-2.488	-2.488	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,%]
62	MP3A	Z	-1.437	-1.437	0	%100
63	MP2A	X	-2.488	-2.488	0	%100
64	MP2A	Z	-1.437	-1.437	0	%100
65	MP1A	X	-2.488	-2.488	0	%100
66	MP1A	Z	-1.437	-1.437	0	%100
67	MP5C	X	-2.488	-2.488	0	%100
68	MP5C	Z	-1.437	-1.437	0	%100
69	MP4C	X	-2.488	-2.488	0	%100
70	MP4C	Z	-1.437	-1.437	0	%100
71	MP3C	X	-2.488	-2.488	0	%100
72	MP3C	Z	-1.437	-1.437	0	%100
73	MP2C	X	-2.488	-2.488	0	%100
74	MP2C	Z	-1.437	-1.437	0	%100
75	MP1C	X	-2.488	-2.488	0	%100
76	MP1C	Z	-1.437	-1.437	0	%100
77	MP5B	X	-2.488	-2.488	0	%100
78	MP5B	Z	-1.437	-1.437	0	%100
79	MP4B	X	-2.488	-2.488	0	%100
80	MP4B	Z	-1.437	-1.437	0	%100
81	MP3B	X	-2.488	-2.488	0	%100
82	MP3B	Z	-1.437	-1.437	0	%100
83	MP2B	X	-2.488	-2.488	0	%100
84	MP2B	Z	-1.437	-1.437	0	%100
85	MP1B	X	-2.488	-2.488	0	%100
86	MP1B	Z	-1.437	-1.437	0	%100
87	M122A	X	-.988	-.988	0	%100
88	M122A	Z	-.57	-.57	0	%100
89	M123A	X	-.988	-.988	0	%100
90	M123A	Z	-.57	-.57	0	%100
91	M128	X	-1.261	-1.261	0	%100
92	M128	Z	-.728	-.728	0	%100
93	M129	X	-1.264	-1.264	0	%100
94	M129	Z	-.73	-.73	0	%100
95	M138	X	-1.264	-1.264	0	%100
96	M138	Z	-.73	-.73	0	%100
97	M141	X	-1.261	-1.261	0	%100
98	M141	Z	-.728	-.728	0	%100
99	M150	X	-2e-6	-2e-6	0	%100
100	M150	Z	-1e-6	-1e-6	0	%100
101	M153	X	-2e-6	-2e-6	0	%100
102	M153	Z	-1e-6	-1e-6	0	%100
103	M100A	X	-.688	-.688	0	%100
104	M100A	Z	-.397	-.397	0	%100
105	M108	X	-.688	-.688	0	%100
106	M108	Z	-.397	-.397	0	%100
107	M116	X	-2.753	-2.753	0	%100
108	M116	Z	-1.589	-1.589	0	%100
109	M124A	X	-.742	-.742	0	%100
110	M124A	Z	-.429	-.429	0	%100
111	M125A	X	-2.969	-2.969	0	%100
112	M125A	Z	-1.714	-1.714	0	%100
113	M126	X	-.742	-.742	0	%100
114	M126	Z	-.428	-.428	0	%100
115	M133	X	-.688	-.688	0	%100
116	M133	Z	-.397	-.397	0	%100
117	M141A	X	-.688	-.688	0	%100
118	M141A	Z	-.397	-.397	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,%]
119	M149A	X	-2.753	-2.753	0	%100
120	M149A	Z	-1.589	-1.589	0	%100
121	M157	X	-.742	-.742	0	%100
122	M157	Z	-.429	-.429	0	%100
123	M158	X	-2.969	-2.969	0	%100
124	M158	Z	-1.714	-1.714	0	%100
125	M159	X	-.742	-.742	0	%100
126	M159	Z	-.428	-.428	0	%100
127	M160	X	-2.72	-2.72	0	%100
128	M160	Z	-1.57	-1.57	0	%100
129	M161	X	-.374	-.374	0	%100
130	M161	Z	-.216	-.216	0	%100
131	M162	X	-.374	-.374	0	%100
132	M162	Z	-.216	-.216	0	%100
133	M163	X	-2.72	-2.72	0	%100
134	M163	Z	-1.57	-1.57	0	%100
135	M164	X	-1.975	-1.975	0	%100
136	M164	Z	-1.14	-1.14	0	%100
137	M165	X	-1.975	-1.975	0	%100
138	M165	Z	-1.14	-1.14	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	M4	X	-.329	-.329	0	%100
2	M4	Z	-.571	-.571	0	%100
3	M5	X	-.401	-.401	0	%100
4	M5	Z	-.694	-.694	0	%100
5	M10	X	-1.318	-1.318	0	%100
6	M10	Z	-2.282	-2.282	0	%100
7	M11	X	-1.604	-1.604	0	%100
8	M11	Z	-2.778	-2.778	0	%100
9	M16	X	-.329	-.329	0	%100
10	M16	Z	-.571	-.571	0	%100
11	M17	X	-.401	-.401	0	%100
12	M17	Z	-.694	-.694	0	%100
13	M18	X	-1.711	-1.711	0	%100
14	M18	Z	-2.964	-2.964	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-1.192	-1.192	0	%100
18	M20	Z	-2.064	-2.064	0	%100
19	M21	X	-1.192	-1.192	0	%100
20	M21	Z	-2.064	-2.064	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-1.165	-1.165	0	%100
24	M23	Z	-2.018	-2.018	0	%100
25	M24	X	-1.165	-1.165	0	%100
26	M24	Z	-2.018	-2.018	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-1.192	-1.192	0	%100
30	M26	Z	-2.064	-2.064	0	%100
31	M27	X	-1.192	-1.192	0	%100
32	M27	Z	-2.064	-2.064	0	%100
33	M28	X	-.302	-.302	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,%]
34	M28	Z	-.523	-.523	0	%100
35	M29	X	-1.212	-1.212	0	%100
36	M29	Z	-2.099	-2.099	0	%100
37	M30	X	-.304	-.304	0	%100
38	M30	Z	-.527	-.527	0	%100
39	M31	X	-.302	-.302	0	%100
40	M31	Z	-.523	-.523	0	%100
41	M32	X	-.304	-.304	0	%100
42	M32	Z	-.527	-.527	0	%100
43	M33	X	-1.212	-1.212	0	%100
44	M33	Z	-2.099	-2.099	0	%100
45	M38	X	-.398	-.398	0	%100
46	M38	Z	-.689	-.689	0	%100
47	M39	X	-.295	-.295	0	%100
48	M39	Z	-.512	-.512	0	%100
49	M44	X	-1.591	-1.591	0	%100
50	M44	Z	-2.755	-2.755	0	%100
51	M45	X	-1.182	-1.182	0	%100
52	M45	Z	-2.047	-2.047	0	%100
53	M50	X	-.398	-.398	0	%100
54	M50	Z	-.689	-.689	0	%100
55	M51	X	-.295	-.295	0	%100
56	M51	Z	-.512	-.512	0	%100
57	MP5A	X	-1.437	-1.437	0	%100
58	MP5A	Z	-2.488	-2.488	0	%100
59	MP4A	X	-1.437	-1.437	0	%100
60	MP4A	Z	-2.488	-2.488	0	%100
61	MP3A	X	-1.437	-1.437	0	%100
62	MP3A	Z	-2.488	-2.488	0	%100
63	MP2A	X	-1.437	-1.437	0	%100
64	MP2A	Z	-2.488	-2.488	0	%100
65	MP1A	X	-1.437	-1.437	0	%100
66	MP1A	Z	-2.488	-2.488	0	%100
67	MP5C	X	-1.437	-1.437	0	%100
68	MP5C	Z	-2.488	-2.488	0	%100
69	MP4C	X	-1.437	-1.437	0	%100
70	MP4C	Z	-2.488	-2.488	0	%100
71	MP3C	X	-1.437	-1.437	0	%100
72	MP3C	Z	-2.488	-2.488	0	%100
73	MP2C	X	-1.437	-1.437	0	%100
74	MP2C	Z	-2.488	-2.488	0	%100
75	MP1C	X	-1.437	-1.437	0	%100
76	MP1C	Z	-2.488	-2.488	0	%100
77	MP5B	X	-1.437	-1.437	0	%100
78	MP5B	Z	-2.488	-2.488	0	%100
79	MP4B	X	-1.437	-1.437	0	%100
80	MP4B	Z	-2.488	-2.488	0	%100
81	MP3B	X	-1.437	-1.437	0	%100
82	MP3B	Z	-2.488	-2.488	0	%100
83	MP2B	X	-1.437	-1.437	0	%100
84	MP2B	Z	-2.488	-2.488	0	%100
85	MP1B	X	-1.437	-1.437	0	%100
86	MP1B	Z	-2.488	-2.488	0	%100
87	M122A	X	-1.711	-1.711	0	%100
88	M122A	Z	-2.964	-2.964	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M128	X	-.242	-.242	0	%100
92	M128	Z	-.419	-.419	0	%100
93	M129	X	-.244	-.244	0	%100
94	M129	Z	-.422	-.422	0	%100
95	M138	X	-.972	-.972	0	%100
96	M138	Z	-1.683	-1.683	0	%100
97	M141	X	-.972	-.972	0	%100
98	M141	Z	-1.683	-1.683	0	%100
99	M150	X	-.244	-.244	0	%100
100	M150	Z	-.422	-.422	0	%100
101	M153	X	-.242	-.242	0	%100
102	M153	Z	-.419	-.419	0	%100
103	M100A	X	-1.192	-1.192	0	%100
104	M100A	Z	-2.064	-2.064	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-1.192	-1.192	0	%100
108	M116	Z	-2.064	-2.064	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-1.286	-1.286	0	%100
112	M125A	Z	-2.227	-2.227	0	%100
113	M126	X	-1.286	-1.286	0	%100
114	M126	Z	-2.227	-2.227	0	%100
115	M133	X	-1.192	-1.192	0	%100
116	M133	Z	-2.064	-2.064	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-1.192	-1.192	0	%100
120	M149A	Z	-2.064	-2.064	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-1.286	-1.286	0	%100
124	M158	Z	-2.227	-2.227	0	%100
125	M159	X	-1.286	-1.286	0	%100
126	M159	Z	-2.227	-2.227	0	%100
127	M160	X	-1.735	-1.735	0	%100
128	M160	Z	-3.005	-3.005	0	%100
129	M161	X	-.381	-.381	0	%100
130	M161	Z	-.659	-.659	0	%100
131	M162	X	-.811	-.811	0	%100
132	M162	Z	-1.404	-1.404	0	%100
133	M163	X	-.811	-.811	0	%100
134	M163	Z	-1.404	-1.404	0	%100
135	M164	X	-.381	-.381	0	%100
136	M164	Z	-.659	-.659	0	%100
137	M165	X	-1.735	-1.735	0	%100
138	M165	Z	-3.005	-3.005	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M10	Z	-.404	-.404	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-.482	-.482	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-.404	-.404	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.482	-.482	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-.33	-.33	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-.16	-.16	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-.16	-.16	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.641	-.641	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.157	-.157	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-.157	-.157	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-.628	-.628	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-.16	-.16	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.16	-.16	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-.641	-.641	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-1e-6	-1e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-.338	-.338	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-.339	-.339	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-.338	-.338	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-1e-6	-1e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-.339	-.339	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-.552	-.552	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-.331	-.331	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-.552	-.552	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-.331	-.331	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-.522	-.522	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-.522	-.522	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-.522	-.522	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,%]
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-.522	-.522	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-.522	-.522	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-.522	-.522	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-.522	-.522	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-.522	-.522	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-.522	-.522	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.522	-.522	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-.522	-.522	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-.522	-.522	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-.522	-.522	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-.522	-.522	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-.522	-.522	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-1.319	-1.319	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-.33	-.33	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-.275	-.275	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-.276	-.276	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-.276	-.276	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-.275	-.275	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	-.632	-.632	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	-.158	-.158	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-.158	-.158	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	-.208	-.208	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-.208	-.208	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-.832	-.832	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	-.632	-.632	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	-.158	-.158	0	%100
119	M149A	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,%]
120	M149A	Z	-.158	-.158	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	-.208	-.208	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	-.208	-.208	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	-.832	-.832	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	-.524	-.524	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	-.524	-.524	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	-.721	-.721	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	-.099	-.099	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	-.099	-.099	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	-.721	-.721	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	M4	X	.067	.067	0	%100
2	M4	Z	-.117	-.117	0	%100
3	M5	X	.08	.08	0	%100
4	M5	Z	-.139	-.139	0	%100
5	M10	X	.067	.067	0	%100
6	M10	Z	-.117	-.117	0	%100
7	M11	X	.08	.08	0	%100
8	M11	Z	-.139	-.139	0	%100
9	M16	X	.269	.269	0	%100
10	M16	Z	-.466	-.466	0	%100
11	M17	X	.321	.321	0	%100
12	M17	Z	-.556	-.556	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	.24	.24	0	%100
16	M19	Z	-.416	-.416	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	.24	.24	0	%100
20	M21	Z	-.416	-.416	0	%100
21	M22	X	.236	.236	0	%100
22	M22	Z	-.408	-.408	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	.236	.236	0	%100
26	M24	Z	-.408	-.408	0	%100
27	M25	X	.24	.24	0	%100
28	M25	Z	-.416	-.416	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	.24	.24	0	%100
32	M27	Z	-.416	-.416	0	%100
33	M28	X	.057	.057	0	%100
34	M28	Z	-.098	-.098	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,%]
35	M29	X	.056	.056	0	%100
36	M29	Z	-.097	-.097	0	%100
37	M30	X	.226	.226	0	%100
38	M30	Z	-.391	-.391	0	%100
39	M31	X	.226	.226	0	%100
40	M31	Z	-.391	-.391	0	%100
41	M32	X	.056	.056	0	%100
42	M32	Z	-.097	-.097	0	%100
43	M33	X	.057	.057	0	%100
44	M33	Z	-.098	-.098	0	%100
45	M38	X	.092	.092	0	%100
46	M38	Z	-.159	-.159	0	%100
47	M39	X	.055	.055	0	%100
48	M39	Z	-.096	-.096	0	%100
49	M44	X	.092	.092	0	%100
50	M44	Z	-.159	-.159	0	%100
51	M45	X	.055	.055	0	%100
52	M45	Z	-.096	-.096	0	%100
53	M50	X	.368	.368	0	%100
54	M50	Z	-.637	-.637	0	%100
55	M51	X	.221	.221	0	%100
56	M51	Z	-.382	-.382	0	%100
57	MP5A	X	.261	.261	0	%100
58	MP5A	Z	-.452	-.452	0	%100
59	MP4A	X	.261	.261	0	%100
60	MP4A	Z	-.452	-.452	0	%100
61	MP3A	X	.261	.261	0	%100
62	MP3A	Z	-.452	-.452	0	%100
63	MP2A	X	.261	.261	0	%100
64	MP2A	Z	-.452	-.452	0	%100
65	MP1A	X	.261	.261	0	%100
66	MP1A	Z	-.452	-.452	0	%100
67	MP5C	X	.261	.261	0	%100
68	MP5C	Z	-.452	-.452	0	%100
69	MP4C	X	.261	.261	0	%100
70	MP4C	Z	-.452	-.452	0	%100
71	MP3C	X	.261	.261	0	%100
72	MP3C	Z	-.452	-.452	0	%100
73	MP2C	X	.261	.261	0	%100
74	MP2C	Z	-.452	-.452	0	%100
75	MP1C	X	.261	.261	0	%100
76	MP1C	Z	-.452	-.452	0	%100
77	MP5B	X	.261	.261	0	%100
78	MP5B	Z	-.452	-.452	0	%100
79	MP4B	X	.261	.261	0	%100
80	MP4B	Z	-.452	-.452	0	%100
81	MP3B	X	.261	.261	0	%100
82	MP3B	Z	-.452	-.452	0	%100
83	MP2B	X	.261	.261	0	%100
84	MP2B	Z	-.452	-.452	0	%100
85	MP1B	X	.261	.261	0	%100
86	MP1B	Z	-.452	-.452	0	%100
87	M122A	X	.495	.495	0	%100
88	M122A	Z	-.857	-.857	0	%100
89	M123A	X	.495	.495	0	%100
90	M123A	Z	-.857	-.857	0	%100
91	M128	X	.046	.046	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,%]
92	M128	Z	-.08	-.08	0	%100
93	M129	X	.046	.046	0	%100
94	M129	Z	-.079	-.079	0	%100
95	M138	X	.046	.046	0	%100
96	M138	Z	-.079	-.079	0	%100
97	M141	X	.046	.046	0	%100
98	M141	Z	-.08	-.08	0	%100
99	M150	X	.184	.184	0	%100
100	M150	Z	-.318	-.318	0	%100
101	M153	X	.184	.184	0	%100
102	M153	Z	-.318	-.318	0	%100
103	M100A	X	.237	.237	0	%100
104	M100A	Z	-.41	-.41	0	%100
105	M108	X	.237	.237	0	%100
106	M108	Z	-.41	-.41	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	.312	.312	0	%100
110	M124A	Z	-.54	-.54	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	.312	.312	0	%100
114	M126	Z	-.54	-.54	0	%100
115	M133	X	.237	.237	0	%100
116	M133	Z	-.41	-.41	0	%100
117	M141A	X	.237	.237	0	%100
118	M141A	Z	-.41	-.41	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	.312	.312	0	%100
122	M157	Z	-.54	-.54	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	.312	.312	0	%100
126	M159	Z	-.54	-.54	0	%100
127	M160	X	.087	.087	0	%100
128	M160	Z	-.151	-.151	0	%100
129	M161	X	.399	.399	0	%100
130	M161	Z	-.69	-.69	0	%100
131	M162	X	.399	.399	0	%100
132	M162	Z	-.69	-.69	0	%100
133	M163	X	.087	.087	0	%100
134	M163	Z	-.151	-.151	0	%100
135	M164	X	.186	.186	0	%100
136	M164	Z	-.322	-.322	0	%100
137	M165	X	.186	.186	0	%100
138	M165	Z	-.322	-.322	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	M4	X	.35	.35	0	%100
2	M4	Z	-.202	-.202	0	%100
3	M5	X	.417	.417	0	%100
4	M5	Z	-.241	-.241	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	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,%]
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.35	.35	0	%100
10	M16	Z	-.202	-.202	0	%100
11	M17	X	.417	.417	0	%100
12	M17	Z	-.241	-.241	0	%100
13	M18	X	.286	.286	0	%100
14	M18	Z	-.165	-.165	0	%100
15	M19	X	.555	.555	0	%100
16	M19	Z	-.321	-.321	0	%100
17	M20	X	.139	.139	0	%100
18	M20	Z	-.08	-.08	0	%100
19	M21	X	.139	.139	0	%100
20	M21	Z	-.08	-.08	0	%100
21	M22	X	.544	.544	0	%100
22	M22	Z	-.314	-.314	0	%100
23	M23	X	.136	.136	0	%100
24	M23	Z	-.079	-.079	0	%100
25	M24	X	.136	.136	0	%100
26	M24	Z	-.079	-.079	0	%100
27	M25	X	.555	.555	0	%100
28	M25	Z	-.321	-.321	0	%100
29	M26	X	.139	.139	0	%100
30	M26	Z	-.08	-.08	0	%100
31	M27	X	.139	.139	0	%100
32	M27	Z	-.08	-.08	0	%100
33	M28	X	.294	.294	0	%100
34	M28	Z	-.17	-.17	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	.293	.293	0	%100
38	M30	Z	-.169	-.169	0	%100
39	M31	X	.294	.294	0	%100
40	M31	Z	-.17	-.17	0	%100
41	M32	X	.293	.293	0	%100
42	M32	Z	-.169	-.169	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	.478	.478	0	%100
46	M38	Z	-.276	-.276	0	%100
47	M39	X	.287	.287	0	%100
48	M39	Z	-.166	-.166	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.478	.478	0	%100
54	M50	Z	-.276	-.276	0	%100
55	M51	X	.287	.287	0	%100
56	M51	Z	-.166	-.166	0	%100
57	MP5A	X	.452	.452	0	%100
58	MP5A	Z	-.261	-.261	0	%100
59	MP4A	X	.452	.452	0	%100
60	MP4A	Z	-.261	-.261	0	%100
61	MP3A	X	.452	.452	0	%100
62	MP3A	Z	-.261	-.261	0	%100
63	MP2A	X	.452	.452	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	MP2A	Z	-.261	-.261	0	%100
65	MP1A	X	.452	.452	0	%100
66	MP1A	Z	-.261	-.261	0	%100
67	MP5C	X	.452	.452	0	%100
68	MP5C	Z	-.261	-.261	0	%100
69	MP4C	X	.452	.452	0	%100
70	MP4C	Z	-.261	-.261	0	%100
71	MP3C	X	.452	.452	0	%100
72	MP3C	Z	-.261	-.261	0	%100
73	MP2C	X	.452	.452	0	%100
74	MP2C	Z	-.261	-.261	0	%100
75	MP1C	X	.452	.452	0	%100
76	MP1C	Z	-.261	-.261	0	%100
77	MP5B	X	.452	.452	0	%100
78	MP5B	Z	-.261	-.261	0	%100
79	MP4B	X	.452	.452	0	%100
80	MP4B	Z	-.261	-.261	0	%100
81	MP3B	X	.452	.452	0	%100
82	MP3B	Z	-.261	-.261	0	%100
83	MP2B	X	.452	.452	0	%100
84	MP2B	Z	-.261	-.261	0	%100
85	MP1B	X	.452	.452	0	%100
86	MP1B	Z	-.261	-.261	0	%100
87	M122A	X	.286	.286	0	%100
88	M122A	Z	-.165	-.165	0	%100
89	M123A	X	1.142	1.142	0	%100
90	M123A	Z	-.659	-.659	0	%100
91	M128	X	.239	.239	0	%100
92	M128	Z	-.138	-.138	0	%100
93	M129	X	.238	.238	0	%100
94	M129	Z	-.138	-.138	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.238	.238	0	%100
100	M150	Z	-.138	-.138	0	%100
101	M153	X	.239	.239	0	%100
102	M153	Z	-.138	-.138	0	%100
103	M100A	X	.137	.137	0	%100
104	M100A	Z	-.079	-.079	0	%100
105	M108	X	.547	.547	0	%100
106	M108	Z	-.316	-.316	0	%100
107	M116	X	.137	.137	0	%100
108	M116	Z	-.079	-.079	0	%100
109	M124A	X	.72	.72	0	%100
110	M124A	Z	-.416	-.416	0	%100
111	M125A	X	.18	.18	0	%100
112	M125A	Z	-.104	-.104	0	%100
113	M126	X	.18	.18	0	%100
114	M126	Z	-.104	-.104	0	%100
115	M133	X	.137	.137	0	%100
116	M133	Z	-.079	-.079	0	%100
117	M141A	X	.547	.547	0	%100
118	M141A	Z	-.316	-.316	0	%100
119	M149A	X	.137	.137	0	%100
120	M149A	Z	-.079	-.079	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,%]
121	M157	X	.72	.72	0	%100
122	M157	Z	-.416	-.416	0	%100
123	M158	X	.18	.18	0	%100
124	M158	Z	-.104	-.104	0	%100
125	M159	X	.18	.18	0	%100
126	M159	Z	-.104	-.104	0	%100
127	M160	X	.086	.086	0	%100
128	M160	Z	-.05	-.05	0	%100
129	M161	X	.625	.625	0	%100
130	M161	Z	-.361	-.361	0	%100
131	M162	X	.454	.454	0	%100
132	M162	Z	-.262	-.262	0	%100
133	M163	X	.454	.454	0	%100
134	M163	Z	-.262	-.262	0	%100
135	M164	X	.625	.625	0	%100
136	M164	Z	-.361	-.361	0	%100
137	M165	X	.086	.086	0	%100
138	M165	Z	-.05	-.05	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	M4	X	.538	.538	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	.642	.642	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.135	.135	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.161	.161	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.135	.135	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	.161	.161	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	.989	.989	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	.481	.481	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	.481	.481	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.471	.471	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	.471	.471	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	.481	.481	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.481	.481	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	.452	.452	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	.113	.113	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,%]
36	M29	Z	0	0	0	%100
37	M30	X	.113	.113	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	.113	.113	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	.452	.452	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	.113	.113	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	.736	.736	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	.441	.441	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	.184	.184	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	.11	.11	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.184	.184	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.11	.11	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	.522	.522	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	.522	.522	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	.522	.522	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	.522	.522	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	.522	.522	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	.522	.522	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	.522	.522	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	.522	.522	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	.522	.522	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	.522	.522	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	.522	.522	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	.522	.522	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	.522	.522	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	.522	.522	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	.522	.522	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	.989	.989	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.368	.368	0	%100
92	M128	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,%]
93	M129	X	.368	.368	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	.092	.092	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	.092	.092	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.092	.092	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	.092	.092	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	.474	.474	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	.474	.474	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	.624	.624	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	.624	.624	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	.474	.474	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	.474	.474	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	.624	.624	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	.624	.624	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	.372	.372	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	.372	.372	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	.175	.175	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	.797	.797	0	%100
134	M163	Z	0	0	0	%100
135	M164	X	.797	.797	0	%100
136	M164	Z	0	0	0	%100
137	M165	X	.175	.175	0	%100
138	M165	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	M4	X	.35	.35	0	%100
2	M4	Z	.202	.202	0	%100
3	M5	X	.417	.417	0	%100
4	M5	Z	.241	.241	0	%100
5	M10	X	.35	.35	0	%100
6	M10	Z	.202	.202	0	%100
7	M11	X	.417	.417	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,%]
8	M11	Z	.241	.241	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	1.142	1.142	0	%100
14	M18	Z	.659	.659	0	%100
15	M19	X	.139	.139	0	%100
16	M19	Z	.08	.08	0	%100
17	M20	X	.555	.555	0	%100
18	M20	Z	.321	.321	0	%100
19	M21	X	.139	.139	0	%100
20	M21	Z	.08	.08	0	%100
21	M22	X	.136	.136	0	%100
22	M22	Z	.079	.079	0	%100
23	M23	X	.544	.544	0	%100
24	M23	Z	.314	.314	0	%100
25	M24	X	.136	.136	0	%100
26	M24	Z	.079	.079	0	%100
27	M25	X	.139	.139	0	%100
28	M25	Z	.08	.08	0	%100
29	M26	X	.555	.555	0	%100
30	M26	Z	.321	.321	0	%100
31	M27	X	.139	.139	0	%100
32	M27	Z	.08	.08	0	%100
33	M28	X	.293	.293	0	%100
34	M28	Z	.169	.169	0	%100
35	M29	X	.294	.294	0	%100
36	M29	Z	.17	.17	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	.294	.294	0	%100
42	M32	Z	.17	.17	0	%100
43	M33	X	.293	.293	0	%100
44	M33	Z	.169	.169	0	%100
45	M38	X	.478	.478	0	%100
46	M38	Z	.276	.276	0	%100
47	M39	X	.287	.287	0	%100
48	M39	Z	.166	.166	0	%100
49	M44	X	.478	.478	0	%100
50	M44	Z	.276	.276	0	%100
51	M45	X	.287	.287	0	%100
52	M45	Z	.166	.166	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	.452	.452	0	%100
58	MP5A	Z	.261	.261	0	%100
59	MP4A	X	.452	.452	0	%100
60	MP4A	Z	.261	.261	0	%100
61	MP3A	X	.452	.452	0	%100
62	MP3A	Z	.261	.261	0	%100
63	MP2A	X	.452	.452	0	%100
64	MP2A	Z	.261	.261	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,%]
65	MP1A	X	.452	.452	0	%100
66	MP1A	Z	.261	.261	0	%100
67	MP5C	X	.452	.452	0	%100
68	MP5C	Z	.261	.261	0	%100
69	MP4C	X	.452	.452	0	%100
70	MP4C	Z	.261	.261	0	%100
71	MP3C	X	.452	.452	0	%100
72	MP3C	Z	.261	.261	0	%100
73	MP2C	X	.452	.452	0	%100
74	MP2C	Z	.261	.261	0	%100
75	MP1C	X	.452	.452	0	%100
76	MP1C	Z	.261	.261	0	%100
77	MP5B	X	.452	.452	0	%100
78	MP5B	Z	.261	.261	0	%100
79	MP4B	X	.452	.452	0	%100
80	MP4B	Z	.261	.261	0	%100
81	MP3B	X	.452	.452	0	%100
82	MP3B	Z	.261	.261	0	%100
83	MP2B	X	.452	.452	0	%100
84	MP2B	Z	.261	.261	0	%100
85	MP1B	X	.452	.452	0	%100
86	MP1B	Z	.261	.261	0	%100
87	M122A	X	.286	.286	0	%100
88	M122A	Z	.165	.165	0	%100
89	M123A	X	.286	.286	0	%100
90	M123A	Z	.165	.165	0	%100
91	M128	X	.238	.238	0	%100
92	M128	Z	.138	.138	0	%100
93	M129	X	.239	.239	0	%100
94	M129	Z	.138	.138	0	%100
95	M138	X	.239	.239	0	%100
96	M138	Z	.138	.138	0	%100
97	M141	X	.238	.238	0	%100
98	M141	Z	.138	.138	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	.137	.137	0	%100
104	M100A	Z	.079	.079	0	%100
105	M108	X	.137	.137	0	%100
106	M108	Z	.079	.079	0	%100
107	M116	X	.547	.547	0	%100
108	M116	Z	.316	.316	0	%100
109	M124A	X	.18	.18	0	%100
110	M124A	Z	.104	.104	0	%100
111	M125A	X	.72	.72	0	%100
112	M125A	Z	.416	.416	0	%100
113	M126	X	.18	.18	0	%100
114	M126	Z	.104	.104	0	%100
115	M133	X	.137	.137	0	%100
116	M133	Z	.079	.079	0	%100
117	M141A	X	.137	.137	0	%100
118	M141A	Z	.079	.079	0	%100
119	M149A	X	.547	.547	0	%100
120	M149A	Z	.316	.316	0	%100
121	M157	X	.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,%]
122	M157	Z	.104	.104	0	%100
123	M158	X	.72	.72	0	%100
124	M158	Z	.416	.416	0	%100
125	M159	X	.18	.18	0	%100
126	M159	Z	.104	.104	0	%100
127	M160	X	.625	.625	0	%100
128	M160	Z	.361	.361	0	%100
129	M161	X	.086	.086	0	%100
130	M161	Z	.05	.05	0	%100
131	M162	X	.086	.086	0	%100
132	M162	Z	.05	.05	0	%100
133	M163	X	.625	.625	0	%100
134	M163	Z	.361	.361	0	%100
135	M164	X	.454	.454	0	%100
136	M164	Z	.262	.262	0	%100
137	M165	X	.454	.454	0	%100
138	M165	Z	.262	.262	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	M4	X	.067	.067	0	%100
2	M4	Z	.117	.117	0	%100
3	M5	X	.08	.08	0	%100
4	M5	Z	.139	.139	0	%100
5	M10	X	.269	.269	0	%100
6	M10	Z	.466	.466	0	%100
7	M11	X	.321	.321	0	%100
8	M11	Z	.556	.556	0	%100
9	M16	X	.067	.067	0	%100
10	M16	Z	.117	.117	0	%100
11	M17	X	.08	.08	0	%100
12	M17	Z	.139	.139	0	%100
13	M18	X	.495	.495	0	%100
14	M18	Z	.857	.857	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	.24	.24	0	%100
18	M20	Z	.416	.416	0	%100
19	M21	X	.24	.24	0	%100
20	M21	Z	.416	.416	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	.236	.236	0	%100
24	M23	Z	.408	.408	0	%100
25	M24	X	.236	.236	0	%100
26	M24	Z	.408	.408	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.24	.24	0	%100
30	M26	Z	.416	.416	0	%100
31	M27	X	.24	.24	0	%100
32	M27	Z	.416	.416	0	%100
33	M28	X	.056	.056	0	%100
34	M28	Z	.097	.097	0	%100
35	M29	X	.226	.226	0	%100
36	M29	Z	.391	.391	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,%]
37	M30	X	.057	.057	0	%100
38	M30	Z	.098	.098	0	%100
39	M31	X	.056	.056	0	%100
40	M31	Z	.097	.097	0	%100
41	M32	X	.057	.057	0	%100
42	M32	Z	.098	.098	0	%100
43	M33	X	.226	.226	0	%100
44	M33	Z	.391	.391	0	%100
45	M38	X	.092	.092	0	%100
46	M38	Z	.159	.159	0	%100
47	M39	X	.055	.055	0	%100
48	M39	Z	.096	.096	0	%100
49	M44	X	.368	.368	0	%100
50	M44	Z	.637	.637	0	%100
51	M45	X	.221	.221	0	%100
52	M45	Z	.382	.382	0	%100
53	M50	X	.092	.092	0	%100
54	M50	Z	.159	.159	0	%100
55	M51	X	.055	.055	0	%100
56	M51	Z	.096	.096	0	%100
57	MP5A	X	.261	.261	0	%100
58	MP5A	Z	.452	.452	0	%100
59	MP4A	X	.261	.261	0	%100
60	MP4A	Z	.452	.452	0	%100
61	MP3A	X	.261	.261	0	%100
62	MP3A	Z	.452	.452	0	%100
63	MP2A	X	.261	.261	0	%100
64	MP2A	Z	.452	.452	0	%100
65	MP1A	X	.261	.261	0	%100
66	MP1A	Z	.452	.452	0	%100
67	MP5C	X	.261	.261	0	%100
68	MP5C	Z	.452	.452	0	%100
69	MP4C	X	.261	.261	0	%100
70	MP4C	Z	.452	.452	0	%100
71	MP3C	X	.261	.261	0	%100
72	MP3C	Z	.452	.452	0	%100
73	MP2C	X	.261	.261	0	%100
74	MP2C	Z	.452	.452	0	%100
75	MP1C	X	.261	.261	0	%100
76	MP1C	Z	.452	.452	0	%100
77	MP5B	X	.261	.261	0	%100
78	MP5B	Z	.452	.452	0	%100
79	MP4B	X	.261	.261	0	%100
80	MP4B	Z	.452	.452	0	%100
81	MP3B	X	.261	.261	0	%100
82	MP3B	Z	.452	.452	0	%100
83	MP2B	X	.261	.261	0	%100
84	MP2B	Z	.452	.452	0	%100
85	MP1B	X	.261	.261	0	%100
86	MP1B	Z	.452	.452	0	%100
87	M122A	X	.495	.495	0	%100
88	M122A	Z	.857	.857	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.046	.046	0	%100
92	M128	Z	.079	.079	0	%100
93	M129	X	.046	.046	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,%]
94	M129	Z	.08	.08	0	%100
95	M138	X	.184	.184	0	%100
96	M138	Z	.318	.318	0	%100
97	M141	X	.184	.184	0	%100
98	M141	Z	.318	.318	0	%100
99	M150	X	.046	.046	0	%100
100	M150	Z	.08	.08	0	%100
101	M153	X	.046	.046	0	%100
102	M153	Z	.079	.079	0	%100
103	M100A	X	.237	.237	0	%100
104	M100A	Z	.41	.41	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	.237	.237	0	%100
108	M116	Z	.41	.41	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	.312	.312	0	%100
112	M125A	Z	.54	.54	0	%100
113	M126	X	.312	.312	0	%100
114	M126	Z	.54	.54	0	%100
115	M133	X	.237	.237	0	%100
116	M133	Z	.41	.41	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	.237	.237	0	%100
120	M149A	Z	.41	.41	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	.312	.312	0	%100
124	M158	Z	.54	.54	0	%100
125	M159	X	.312	.312	0	%100
126	M159	Z	.54	.54	0	%100
127	M160	X	.399	.399	0	%100
128	M160	Z	.69	.69	0	%100
129	M161	X	.087	.087	0	%100
130	M161	Z	.151	.151	0	%100
131	M162	X	.186	.186	0	%100
132	M162	Z	.322	.322	0	%100
133	M163	X	.186	.186	0	%100
134	M163	Z	.322	.322	0	%100
135	M164	X	.087	.087	0	%100
136	M164	Z	.151	.151	0	%100
137	M165	X	.399	.399	0	%100
138	M165	Z	.69	.69	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.404	.404	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	.482	.482	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,%]
9	M16	X	0	0	0	%100
10	M16	Z	.404	.404	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.482	.482	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	.33	.33	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	.16	.16	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	.16	.16	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.641	.641	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	.157	.157	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	.157	.157	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	.628	.628	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	.16	.16	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.16	.16	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	.641	.641	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	1e-6	1e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	.338	.338	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	.339	.339	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	.338	.338	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	1e-6	1e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	.339	.339	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	.552	.552	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	.331	.331	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	.552	.552	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	.331	.331	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	.522	.522	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	.522	.522	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	.522	.522	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	.522	.522	0	%100
65	MP1A	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,%]
66	MP1A	Z	.522	.522	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	.522	.522	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.522	.522	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	.522	.522	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	.522	.522	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.522	.522	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	.522	.522	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	.522	.522	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	.522	.522	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	.522	.522	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	.522	.522	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	1.319	1.319	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	.33	.33	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	.275	.275	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	.276	.276	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	.276	.276	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	.275	.275	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	.632	.632	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	.158	.158	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	.158	.158	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	.208	.208	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	.208	.208	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	.832	.832	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	.632	.632	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	.158	.158	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	.158	.158	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	.208	.208	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,%]
123	M158	X	0	0	0	%100
124	M158	Z	.208	.208	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	.832	.832	0	%100
127	M160	X	0	0	0	%100
128	M160	Z	.524	.524	0	%100
129	M161	X	0	0	0	%100
130	M161	Z	.524	.524	0	%100
131	M162	X	0	0	0	%100
132	M162	Z	.721	.721	0	%100
133	M163	X	0	0	0	%100
134	M163	Z	.099	.099	0	%100
135	M164	X	0	0	0	%100
136	M164	Z	.099	.099	0	%100
137	M165	X	0	0	0	%100
138	M165	Z	.721	.721	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	M4	X	-.067	-.067	0	%100
2	M4	Z	.117	.117	0	%100
3	M5	X	-.08	-.08	0	%100
4	M5	Z	.139	.139	0	%100
5	M10	X	-.067	-.067	0	%100
6	M10	Z	.117	.117	0	%100
7	M11	X	-.08	-.08	0	%100
8	M11	Z	.139	.139	0	%100
9	M16	X	-.269	-.269	0	%100
10	M16	Z	.466	.466	0	%100
11	M17	X	-.321	-.321	0	%100
12	M17	Z	.556	.556	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-.24	-.24	0	%100
16	M19	Z	.416	.416	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-.24	-.24	0	%100
20	M21	Z	.416	.416	0	%100
21	M22	X	-.236	-.236	0	%100
22	M22	Z	.408	.408	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-.236	-.236	0	%100
26	M24	Z	.408	.408	0	%100
27	M25	X	-.24	-.24	0	%100
28	M25	Z	.416	.416	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-.24	-.24	0	%100
32	M27	Z	.416	.416	0	%100
33	M28	X	-.057	-.057	0	%100
34	M28	Z	.098	.098	0	%100
35	M29	X	-.056	-.056	0	%100
36	M29	Z	.097	.097	0	%100
37	M30	X	-.226	-.226	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,%]
38	M30	Z	.391	.391	0	%100
39	M31	X	-.226	-.226	0	%100
40	M31	Z	.391	.391	0	%100
41	M32	X	-.056	-.056	0	%100
42	M32	Z	.097	.097	0	%100
43	M33	X	-.057	-.057	0	%100
44	M33	Z	.098	.098	0	%100
45	M38	X	-.092	-.092	0	%100
46	M38	Z	.159	.159	0	%100
47	M39	X	-.055	-.055	0	%100
48	M39	Z	.096	.096	0	%100
49	M44	X	-.092	-.092	0	%100
50	M44	Z	.159	.159	0	%100
51	M45	X	-.055	-.055	0	%100
52	M45	Z	.096	.096	0	%100
53	M50	X	-.368	-.368	0	%100
54	M50	Z	.637	.637	0	%100
55	M51	X	-.221	-.221	0	%100
56	M51	Z	.382	.382	0	%100
57	MP5A	X	-.261	-.261	0	%100
58	MP5A	Z	.452	.452	0	%100
59	MP4A	X	-.261	-.261	0	%100
60	MP4A	Z	.452	.452	0	%100
61	MP3A	X	-.261	-.261	0	%100
62	MP3A	Z	.452	.452	0	%100
63	MP2A	X	-.261	-.261	0	%100
64	MP2A	Z	.452	.452	0	%100
65	MP1A	X	-.261	-.261	0	%100
66	MP1A	Z	.452	.452	0	%100
67	MP5C	X	-.261	-.261	0	%100
68	MP5C	Z	.452	.452	0	%100
69	MP4C	X	-.261	-.261	0	%100
70	MP4C	Z	.452	.452	0	%100
71	MP3C	X	-.261	-.261	0	%100
72	MP3C	Z	.452	.452	0	%100
73	MP2C	X	-.261	-.261	0	%100
74	MP2C	Z	.452	.452	0	%100
75	MP1C	X	-.261	-.261	0	%100
76	MP1C	Z	.452	.452	0	%100
77	MP5B	X	-.261	-.261	0	%100
78	MP5B	Z	.452	.452	0	%100
79	MP4B	X	-.261	-.261	0	%100
80	MP4B	Z	.452	.452	0	%100
81	MP3B	X	-.261	-.261	0	%100
82	MP3B	Z	.452	.452	0	%100
83	MP2B	X	-.261	-.261	0	%100
84	MP2B	Z	.452	.452	0	%100
85	MP1B	X	-.261	-.261	0	%100
86	MP1B	Z	.452	.452	0	%100
87	M122A	X	-.495	-.495	0	%100
88	M122A	Z	.857	.857	0	%100
89	M123A	X	-.495	-.495	0	%100
90	M123A	Z	.857	.857	0	%100
91	M128	X	-.046	-.046	0	%100
92	M128	Z	.08	.08	0	%100
93	M129	X	-.046	-.046	0	%100
94	M129	Z	.079	.079	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,%]
95	M138	X	-.046	-.046	0	%100
96	M138	Z	.079	.079	0	%100
97	M141	X	-.046	-.046	0	%100
98	M141	Z	.08	.08	0	%100
99	M150	X	-.184	-.184	0	%100
100	M150	Z	.318	.318	0	%100
101	M153	X	-.184	-.184	0	%100
102	M153	Z	.318	.318	0	%100
103	M100A	X	-.237	-.237	0	%100
104	M100A	Z	.41	.41	0	%100
105	M108	X	-.237	-.237	0	%100
106	M108	Z	.41	.41	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-.312	-.312	0	%100
110	M124A	Z	.54	.54	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	-.312	-.312	0	%100
114	M126	Z	.54	.54	0	%100
115	M133	X	-.237	-.237	0	%100
116	M133	Z	.41	.41	0	%100
117	M141A	X	-.237	-.237	0	%100
118	M141A	Z	.41	.41	0	%100
119	M149A	X	0	0	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-.312	-.312	0	%100
122	M157	Z	.54	.54	0	%100
123	M158	X	0	0	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	-.312	-.312	0	%100
126	M159	Z	.54	.54	0	%100
127	M160	X	-.087	-.087	0	%100
128	M160	Z	.151	.151	0	%100
129	M161	X	-.399	-.399	0	%100
130	M161	Z	.69	.69	0	%100
131	M162	X	-.399	-.399	0	%100
132	M162	Z	.69	.69	0	%100
133	M163	X	-.087	-.087	0	%100
134	M163	Z	.151	.151	0	%100
135	M164	X	-.186	-.186	0	%100
136	M164	Z	.322	.322	0	%100
137	M165	X	-.186	-.186	0	%100
138	M165	Z	.322	.322	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	M4	X	-.35	-.35	0	%100
2	M4	Z	.202	.202	0	%100
3	M5	X	-.417	-.417	0	%100
4	M5	Z	.241	.241	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.35	-.35	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,%]
10	M16	Z	.202	.202	0	%100
11	M17	X	-.417	-.417	0	%100
12	M17	Z	.241	.241	0	%100
13	M18	X	-.286	-.286	0	%100
14	M18	Z	.165	.165	0	%100
15	M19	X	-.555	-.555	0	%100
16	M19	Z	.321	.321	0	%100
17	M20	X	-.139	-.139	0	%100
18	M20	Z	.08	.08	0	%100
19	M21	X	-.139	-.139	0	%100
20	M21	Z	.08	.08	0	%100
21	M22	X	-.544	-.544	0	%100
22	M22	Z	.314	.314	0	%100
23	M23	X	-.136	-.136	0	%100
24	M23	Z	.079	.079	0	%100
25	M24	X	-.136	-.136	0	%100
26	M24	Z	.079	.079	0	%100
27	M25	X	-.555	-.555	0	%100
28	M25	Z	.321	.321	0	%100
29	M26	X	-.139	-.139	0	%100
30	M26	Z	.08	.08	0	%100
31	M27	X	-.139	-.139	0	%100
32	M27	Z	.08	.08	0	%100
33	M28	X	-.294	-.294	0	%100
34	M28	Z	.17	.17	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.293	-.293	0	%100
38	M30	Z	.169	.169	0	%100
39	M31	X	-.294	-.294	0	%100
40	M31	Z	.17	.17	0	%100
41	M32	X	-.293	-.293	0	%100
42	M32	Z	.169	.169	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-.478	-.478	0	%100
46	M38	Z	.276	.276	0	%100
47	M39	X	-.287	-.287	0	%100
48	M39	Z	.166	.166	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.478	-.478	0	%100
54	M50	Z	.276	.276	0	%100
55	M51	X	-.287	-.287	0	%100
56	M51	Z	.166	.166	0	%100
57	MP5A	X	-.452	-.452	0	%100
58	MP5A	Z	.261	.261	0	%100
59	MP4A	X	-.452	-.452	0	%100
60	MP4A	Z	.261	.261	0	%100
61	MP3A	X	-.452	-.452	0	%100
62	MP3A	Z	.261	.261	0	%100
63	MP2A	X	-.452	-.452	0	%100
64	MP2A	Z	.261	.261	0	%100
65	MP1A	X	-.452	-.452	0	%100
66	MP1A	Z	.261	.261	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,%]
67	MP5C	X	-.452	-.452	0	%100
68	MP5C	Z	.261	.261	0	%100
69	MP4C	X	-.452	-.452	0	%100
70	MP4C	Z	.261	.261	0	%100
71	MP3C	X	-.452	-.452	0	%100
72	MP3C	Z	.261	.261	0	%100
73	MP2C	X	-.452	-.452	0	%100
74	MP2C	Z	.261	.261	0	%100
75	MP1C	X	-.452	-.452	0	%100
76	MP1C	Z	.261	.261	0	%100
77	MP5B	X	-.452	-.452	0	%100
78	MP5B	Z	.261	.261	0	%100
79	MP4B	X	-.452	-.452	0	%100
80	MP4B	Z	.261	.261	0	%100
81	MP3B	X	-.452	-.452	0	%100
82	MP3B	Z	.261	.261	0	%100
83	MP2B	X	-.452	-.452	0	%100
84	MP2B	Z	.261	.261	0	%100
85	MP1B	X	-.452	-.452	0	%100
86	MP1B	Z	.261	.261	0	%100
87	M122A	X	-.286	-.286	0	%100
88	M122A	Z	.165	.165	0	%100
89	M123A	X	-1.142	-1.142	0	%100
90	M123A	Z	.659	.659	0	%100
91	M128	X	-.239	-.239	0	%100
92	M128	Z	.138	.138	0	%100
93	M129	X	-.238	-.238	0	%100
94	M129	Z	.138	.138	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.238	-.238	0	%100
100	M150	Z	.138	.138	0	%100
101	M153	X	-.239	-.239	0	%100
102	M153	Z	.138	.138	0	%100
103	M100A	X	-.137	-.137	0	%100
104	M100A	Z	.079	.079	0	%100
105	M108	X	-.547	-.547	0	%100
106	M108	Z	.316	.316	0	%100
107	M116	X	-.137	-.137	0	%100
108	M116	Z	.079	.079	0	%100
109	M124A	X	-.72	-.72	0	%100
110	M124A	Z	.416	.416	0	%100
111	M125A	X	-.18	-.18	0	%100
112	M125A	Z	.104	.104	0	%100
113	M126	X	-.18	-.18	0	%100
114	M126	Z	.104	.104	0	%100
115	M133	X	-.137	-.137	0	%100
116	M133	Z	.079	.079	0	%100
117	M141A	X	-.547	-.547	0	%100
118	M141A	Z	.316	.316	0	%100
119	M149A	X	-.137	-.137	0	%100
120	M149A	Z	.079	.079	0	%100
121	M157	X	-.72	-.72	0	%100
122	M157	Z	.416	.416	0	%100
123	M158	X	-.18	-.18	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,%]
124	M158	Z	.104	.104	0	%100
125	M159	X	-.18	-.18	0	%100
126	M159	Z	.104	.104	0	%100
127	M160	X	-.086	-.086	0	%100
128	M160	Z	.05	.05	0	%100
129	M161	X	-.625	-.625	0	%100
130	M161	Z	.361	.361	0	%100
131	M162	X	-.454	-.454	0	%100
132	M162	Z	.262	.262	0	%100
133	M163	X	-.454	-.454	0	%100
134	M163	Z	.262	.262	0	%100
135	M164	X	-.625	-.625	0	%100
136	M164	Z	.361	.361	0	%100
137	M165	X	-.086	-.086	0	%100
138	M165	Z	.05	.05	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	M4	X	-.538	-.538	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-.642	-.642	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.135	-.135	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.161	-.161	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.135	-.135	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.161	-.161	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-.989	-.989	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-.481	-.481	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-.481	-.481	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.471	-.471	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-.471	-.471	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-.481	-.481	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-.481	-.481	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-.452	-.452	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-.113	-.113	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.113	-.113	0	%100
38	M30	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,%]
39	M31	X	-.113	-.113	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-.452	-.452	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-.113	-.113	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-.736	-.736	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-.441	-.441	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-.184	-.184	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	-.11	-.11	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.184	-.184	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.11	-.11	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-.522	-.522	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-.522	-.522	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-.522	-.522	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-.522	-.522	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-.522	-.522	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	-.522	-.522	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-.522	-.522	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-.522	-.522	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-.522	-.522	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-.522	-.522	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-.522	-.522	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-.522	-.522	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	-.522	-.522	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-.522	-.522	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-.522	-.522	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-.989	-.989	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.368	-.368	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-.368	-.368	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-.092	-.092	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,%]
96	M138	Z	0	0	0	%100
97	M141	X	-.092	-.092	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.092	-.092	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-.092	-.092	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M108	X	-.474	-.474	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-.474	-.474	0	%100
108	M116	Z	0	0	0	%100
109	M124A	X	-.624	-.624	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-.624	-.624	0	%100
112	M125A	Z	0	0	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M133	X	0	0	0	%100
116	M133	Z	0	0	0	%100
117	M141A	X	-.474	-.474	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-.474	-.474	0	%100
120	M149A	Z	0	0	0	%100
121	M157	X	-.624	-.624	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-.624	-.624	0	%100
124	M158	Z	0	0	0	%100
125	M159	X	0	0	0	%100
126	M159	Z	0	0	0	%100
127	M160	X	-.372	-.372	0	%100
128	M160	Z	0	0	0	%100
129	M161	X	-.372	-.372	0	%100
130	M161	Z	0	0	0	%100
131	M162	X	-.175	-.175	0	%100
132	M162	Z	0	0	0	%100
133	M163	X	-.797	-.797	0	%100
134	M163	Z	0	0	0	%100
135	M164	X	-.797	-.797	0	%100
136	M164	Z	0	0	0	%100
137	M165	X	-.175	-.175	0	%100
138	M165	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	M4	X	-.35	-.35	0	%100
2	M4	Z	-.202	-.202	0	%100
3	M5	X	-.417	-.417	0	%100
4	M5	Z	-.241	-.241	0	%100
5	M10	X	-.35	-.35	0	%100
6	M10	Z	-.202	-.202	0	%100
7	M11	X	-.417	-.417	0	%100
8	M11	Z	-.241	-.241	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	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,%]
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-1.142	-1.142	0	%100
14	M18	Z	-.659	-.659	0	%100
15	M19	X	-.139	-.139	0	%100
16	M19	Z	-.08	-.08	0	%100
17	M20	X	-.555	-.555	0	%100
18	M20	Z	-.321	-.321	0	%100
19	M21	X	-.139	-.139	0	%100
20	M21	Z	-.08	-.08	0	%100
21	M22	X	-.136	-.136	0	%100
22	M22	Z	-.079	-.079	0	%100
23	M23	X	-.544	-.544	0	%100
24	M23	Z	-.314	-.314	0	%100
25	M24	X	-.136	-.136	0	%100
26	M24	Z	-.079	-.079	0	%100
27	M25	X	-.139	-.139	0	%100
28	M25	Z	-.08	-.08	0	%100
29	M26	X	-.555	-.555	0	%100
30	M26	Z	-.321	-.321	0	%100
31	M27	X	-.139	-.139	0	%100
32	M27	Z	-.08	-.08	0	%100
33	M28	X	-.293	-.293	0	%100
34	M28	Z	-.169	-.169	0	%100
35	M29	X	-.294	-.294	0	%100
36	M29	Z	-.17	-.17	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-.294	-.294	0	%100
42	M32	Z	-.17	-.17	0	%100
43	M33	X	-.293	-.293	0	%100
44	M33	Z	-.169	-.169	0	%100
45	M38	X	-.478	-.478	0	%100
46	M38	Z	-.276	-.276	0	%100
47	M39	X	-.287	-.287	0	%100
48	M39	Z	-.166	-.166	0	%100
49	M44	X	-.478	-.478	0	%100
50	M44	Z	-.276	-.276	0	%100
51	M45	X	-.287	-.287	0	%100
52	M45	Z	-.166	-.166	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-.452	-.452	0	%100
58	MP5A	Z	-.261	-.261	0	%100
59	MP4A	X	-.452	-.452	0	%100
60	MP4A	Z	-.261	-.261	0	%100
61	MP3A	X	-.452	-.452	0	%100
62	MP3A	Z	-.261	-.261	0	%100
63	MP2A	X	-.452	-.452	0	%100
64	MP2A	Z	-.261	-.261	0	%100
65	MP1A	X	-.452	-.452	0	%100
66	MP1A	Z	-.261	-.261	0	%100
67	MP5C	X	-.452	-.452	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,%]
68	MP5C	Z	-.261	-.261	0	%100
69	MP4C	X	-.452	-.452	0	%100
70	MP4C	Z	-.261	-.261	0	%100
71	MP3C	X	-.452	-.452	0	%100
72	MP3C	Z	-.261	-.261	0	%100
73	MP2C	X	-.452	-.452	0	%100
74	MP2C	Z	-.261	-.261	0	%100
75	MP1C	X	-.452	-.452	0	%100
76	MP1C	Z	-.261	-.261	0	%100
77	MP5B	X	-.452	-.452	0	%100
78	MP5B	Z	-.261	-.261	0	%100
79	MP4B	X	-.452	-.452	0	%100
80	MP4B	Z	-.261	-.261	0	%100
81	MP3B	X	-.452	-.452	0	%100
82	MP3B	Z	-.261	-.261	0	%100
83	MP2B	X	-.452	-.452	0	%100
84	MP2B	Z	-.261	-.261	0	%100
85	MP1B	X	-.452	-.452	0	%100
86	MP1B	Z	-.261	-.261	0	%100
87	M122A	X	-.286	-.286	0	%100
88	M122A	Z	-.165	-.165	0	%100
89	M123A	X	-.286	-.286	0	%100
90	M123A	Z	-.165	-.165	0	%100
91	M128	X	-.238	-.238	0	%100
92	M128	Z	-.138	-.138	0	%100
93	M129	X	-.239	-.239	0	%100
94	M129	Z	-.138	-.138	0	%100
95	M138	X	-.239	-.239	0	%100
96	M138	Z	-.138	-.138	0	%100
97	M141	X	-.238	-.238	0	%100
98	M141	Z	-.138	-.138	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	-.137	-.137	0	%100
104	M100A	Z	-.079	-.079	0	%100
105	M108	X	-.137	-.137	0	%100
106	M108	Z	-.079	-.079	0	%100
107	M116	X	-.547	-.547	0	%100
108	M116	Z	-.316	-.316	0	%100
109	M124A	X	-.18	-.18	0	%100
110	M124A	Z	-.104	-.104	0	%100
111	M125A	X	-.72	-.72	0	%100
112	M125A	Z	-.416	-.416	0	%100
113	M126	X	-.18	-.18	0	%100
114	M126	Z	-.104	-.104	0	%100
115	M133	X	-.137	-.137	0	%100
116	M133	Z	-.079	-.079	0	%100
117	M141A	X	-.137	-.137	0	%100
118	M141A	Z	-.079	-.079	0	%100
119	M149A	X	-.547	-.547	0	%100
120	M149A	Z	-.316	-.316	0	%100
121	M157	X	-.18	-.18	0	%100
122	M157	Z	-.104	-.104	0	%100
123	M158	X	-.72	-.72	0	%100
124	M158	Z	-.416	-.416	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,%]
125	M159	X	-.18	-.18	0	%100
126	M159	Z	-.104	-.104	0	%100
127	M160	X	-.625	-.625	0	%100
128	M160	Z	-.361	-.361	0	%100
129	M161	X	-.086	-.086	0	%100
130	M161	Z	-.05	-.05	0	%100
131	M162	X	-.086	-.086	0	%100
132	M162	Z	-.05	-.05	0	%100
133	M163	X	-.625	-.625	0	%100
134	M163	Z	-.361	-.361	0	%100
135	M164	X	-.454	-.454	0	%100
136	M164	Z	-.262	-.262	0	%100
137	M165	X	-.454	-.454	0	%100
138	M165	Z	-.262	-.262	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	M4	X	-.067	-.067	0	%100
2	M4	Z	-.117	-.117	0	%100
3	M5	X	-.08	-.08	0	%100
4	M5	Z	-.139	-.139	0	%100
5	M10	X	-.269	-.269	0	%100
6	M10	Z	-.466	-.466	0	%100
7	M11	X	-.321	-.321	0	%100
8	M11	Z	-.556	-.556	0	%100
9	M16	X	-.067	-.067	0	%100
10	M16	Z	-.117	-.117	0	%100
11	M17	X	-.08	-.08	0	%100
12	M17	Z	-.139	-.139	0	%100
13	M18	X	-.495	-.495	0	%100
14	M18	Z	-.857	-.857	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-.24	-.24	0	%100
18	M20	Z	-.416	-.416	0	%100
19	M21	X	-.24	-.24	0	%100
20	M21	Z	-.416	-.416	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-.236	-.236	0	%100
24	M23	Z	-.408	-.408	0	%100
25	M24	X	-.236	-.236	0	%100
26	M24	Z	-.408	-.408	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-.24	-.24	0	%100
30	M26	Z	-.416	-.416	0	%100
31	M27	X	-.24	-.24	0	%100
32	M27	Z	-.416	-.416	0	%100
33	M28	X	-.056	-.056	0	%100
34	M28	Z	-.097	-.097	0	%100
35	M29	X	-.226	-.226	0	%100
36	M29	Z	-.391	-.391	0	%100
37	M30	X	-.057	-.057	0	%100
38	M30	Z	-.098	-.098	0	%100
39	M31	X	-.056	-.056	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,%]
40	M31	Z	-.097	-.097	0	%100
41	M32	X	-.057	-.057	0	%100
42	M32	Z	-.098	-.098	0	%100
43	M33	X	-.226	-.226	0	%100
44	M33	Z	-.391	-.391	0	%100
45	M38	X	-.092	-.092	0	%100
46	M38	Z	-.159	-.159	0	%100
47	M39	X	-.055	-.055	0	%100
48	M39	Z	-.096	-.096	0	%100
49	M44	X	-.368	-.368	0	%100
50	M44	Z	-.637	-.637	0	%100
51	M45	X	-.221	-.221	0	%100
52	M45	Z	-.382	-.382	0	%100
53	M50	X	-.092	-.092	0	%100
54	M50	Z	-.159	-.159	0	%100
55	M51	X	-.055	-.055	0	%100
56	M51	Z	-.096	-.096	0	%100
57	MP5A	X	-.261	-.261	0	%100
58	MP5A	Z	-.452	-.452	0	%100
59	MP4A	X	-.261	-.261	0	%100
60	MP4A	Z	-.452	-.452	0	%100
61	MP3A	X	-.261	-.261	0	%100
62	MP3A	Z	-.452	-.452	0	%100
63	MP2A	X	-.261	-.261	0	%100
64	MP2A	Z	-.452	-.452	0	%100
65	MP1A	X	-.261	-.261	0	%100
66	MP1A	Z	-.452	-.452	0	%100
67	MP5C	X	-.261	-.261	0	%100
68	MP5C	Z	-.452	-.452	0	%100
69	MP4C	X	-.261	-.261	0	%100
70	MP4C	Z	-.452	-.452	0	%100
71	MP3C	X	-.261	-.261	0	%100
72	MP3C	Z	-.452	-.452	0	%100
73	MP2C	X	-.261	-.261	0	%100
74	MP2C	Z	-.452	-.452	0	%100
75	MP1C	X	-.261	-.261	0	%100
76	MP1C	Z	-.452	-.452	0	%100
77	MP5B	X	-.261	-.261	0	%100
78	MP5B	Z	-.452	-.452	0	%100
79	MP4B	X	-.261	-.261	0	%100
80	MP4B	Z	-.452	-.452	0	%100
81	MP3B	X	-.261	-.261	0	%100
82	MP3B	Z	-.452	-.452	0	%100
83	MP2B	X	-.261	-.261	0	%100
84	MP2B	Z	-.452	-.452	0	%100
85	MP1B	X	-.261	-.261	0	%100
86	MP1B	Z	-.452	-.452	0	%100
87	M122A	X	-.495	-.495	0	%100
88	M122A	Z	-.857	-.857	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.046	-.046	0	%100
92	M128	Z	-.079	-.079	0	%100
93	M129	X	-.046	-.046	0	%100
94	M129	Z	-.08	-.08	0	%100
95	M138	X	-.184	-.184	0	%100
96	M138	Z	-.318	-.318	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,%]
97	M141	X	-.184	-.184	0	%100
98	M141	Z	-.318	-.318	0	%100
99	M150	X	-.046	-.046	0	%100
100	M150	Z	-.08	-.08	0	%100
101	M153	X	-.046	-.046	0	%100
102	M153	Z	-.079	-.079	0	%100
103	M100A	X	-.237	-.237	0	%100
104	M100A	Z	-.41	-.41	0	%100
105	M108	X	0	0	0	%100
106	M108	Z	0	0	0	%100
107	M116	X	-.237	-.237	0	%100
108	M116	Z	-.41	-.41	0	%100
109	M124A	X	0	0	0	%100
110	M124A	Z	0	0	0	%100
111	M125A	X	-.312	-.312	0	%100
112	M125A	Z	-.54	-.54	0	%100
113	M126	X	-.312	-.312	0	%100
114	M126	Z	-.54	-.54	0	%100
115	M133	X	-.237	-.237	0	%100
116	M133	Z	-.41	-.41	0	%100
117	M141A	X	0	0	0	%100
118	M141A	Z	0	0	0	%100
119	M149A	X	-.237	-.237	0	%100
120	M149A	Z	-.41	-.41	0	%100
121	M157	X	0	0	0	%100
122	M157	Z	0	0	0	%100
123	M158	X	-.312	-.312	0	%100
124	M158	Z	-.54	-.54	0	%100
125	M159	X	-.312	-.312	0	%100
126	M159	Z	-.54	-.54	0	%100
127	M160	X	-.399	-.399	0	%100
128	M160	Z	-.69	-.69	0	%100
129	M161	X	-.087	-.087	0	%100
130	M161	Z	-.151	-.151	0	%100
131	M162	X	-.186	-.186	0	%100
132	M162	Z	-.322	-.322	0	%100
133	M163	X	-.186	-.186	0	%100
134	M163	Z	-.322	-.322	0	%100
135	M164	X	-.087	-.087	0	%100
136	M164	Z	-.151	-.151	0	%100
137	M165	X	-.399	-.399	0	%100
138	M165	Z	-.69	-.69	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M30	Y	.844	-.305	.895	1.313
2	M30	Y	-.305	-.586	1.313	1.731
3	M30	Y	-.586	.282	1.731	2.149
4	M30	Y	.282	-8.163	2.149	2.567
5	M30	Y	-8.163	-25.052	2.567	2.985
6	M31	Y	-27.158	-8.816	0	.418
7	M31	Y	-8.816	.355	.418	.836
8	M31	Y	.355	-.201	.836	1.254
9	M31	Y	-.201	.08	1.254	1.672
10	M31	Y	.08	.917	1.672	2.089
11	M150	Y	-12.628	-22.385	0	.233

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M150	Y	-22.385	-26.703	.233	.467
13	M150	Y	-26.703	-21.812	.467	.7
14	M150	Y	-21.812	-24.456	.7	.933
15	M150	Y	-24.456	-38.402	.933	1.167
16	M153	Y	-34.85	-28.419	0	.233
17	M153	Y	-28.419	-19.983	.233	.467
18	M153	Y	-19.983	-21.81	.467	.7
19	M153	Y	-21.81	-22.618	.7	.933
20	M153	Y	-22.618	-10.136	.933	1.167
21	M30	Y	-7.536	-6.647	1.194	2.089
22	M30	Y	-6.647	-5.759	2.089	2.985
23	M45	Y	-2.339	-2.339	1.391	2.391
24	M30	Y	-44.711	-13.953	2.174	2.289
25	M30	Y	-13.953	-6.848	2.289	2.404
26	M30	Y	-6.848	-6.848	2.404	2.519
27	M30	Y	-6.848	-13.49	2.519	2.634
28	M30	Y	-13.49	-30.128	2.634	2.749
29	M30	Y	-30.128	-33.573	2.749	2.864
30	M45	Y	-7.374	-4.571	0	1.1
31	M45	Y	-4.571	-1.767	1.1	2.2
32	M123A	Y	-14.821	-12.775	0	.3
33	M123A	Y	-12.775	-5.791	.3	.6
34	M123A	Y	-5.791	.171	.6	.9
35	M31	Y	-5.759	-6.647	0	.895
36	M31	Y	-6.647	-7.536	.895	1.791
37	M38	Y	-2.339	-2.339	1.391	2.391
38	M31	Y	-33.573	-30.13	.121	.236
39	M31	Y	-30.13	-13.491	.236	.351
40	M31	Y	-13.491	-6.849	.351	.466
41	M31	Y	-6.849	-6.849	.466	.581
42	M31	Y	-6.849	-13.959	.581	.696
43	M31	Y	-13.959	-44.727	.696	.811
44	M38	Y	-7.372	-4.57	0	1.1
45	M38	Y	-4.57	-1.768	1.1	2.2
46	M122A	Y	.171	-5.79	.1	.4
47	M122A	Y	-5.79	-12.774	.4	.7
48	M122A	Y	-12.774	-14.82	.7	1
49	M29	Y	-.021	-8.683	1.194	1.791
50	M29	Y	-8.683	-17.222	1.791	2.388
51	M29	Y	-17.222	-16.974	2.388	2.985
52	M39	Y	-2.983	-2.983	0	.602
53	M122A	Y	-7.594	-2.983	0	.9
54	M29	Y	-1.86	-1.781	.895	1.642
55	M29	Y	-1.781	-1.702	1.642	2.388
56	M39	Y	-3.339	-6.028	0	.495
57	M39	Y	-6.028	-7.069	.495	.99
58	M39	Y	-7.069	-7.503	.99	1.485
59	M39	Y	-7.503	-4.188	1.485	1.98
60	M39	Y	-4.188	-.134	1.98	2.475
61	M122A	Y	-3.306	-2.794	0	.333
62	M122A	Y	-2.794	-1.248	.333	.667
63	M122A	Y	-1.248	.043	.667	1
64	M29	Y	.843	-.316	.895	1.313
65	M29	Y	-.316	-.597	1.313	1.731
66	M29	Y	-.597	.281	1.731	2.149
67	M29	Y	.281	-8.154	2.149	2.567
68	M29	Y	-8.154	-25.023	2.567	2.985

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M33	Y	-27.282	-8.855	0	.418
70	M33	Y	-8.855	.359	.418	.836
71	M33	Y	.359	-.429	.836	1.254
72	M33	Y	-.429	-.148	1.254	1.672
73	M33	Y	-.148	.921	1.672	2.089
74	M138	Y	-12.554	-22.383	0	.233
75	M138	Y	-22.383	-26.716	.233	.467
76	M138	Y	-26.716	-21.815	.467	.7
77	M138	Y	-21.815	-24.472	.7	.933
78	M138	Y	-24.472	-38.424	.933	1.167
79	M141	Y	-31.544	-30.168	0	.233
80	M141	Y	-30.168	-20.18	.233	.467
81	M141	Y	-20.18	-20.026	.467	.7
82	M141	Y	-20.026	-22.945	.7	.933
83	M141	Y	-22.945	-10.491	.933	1.167
84	M18	Y	.053	.053	.1	.28
85	M18	Y	.053	.053	.28	.46
86	M18	Y	.053	-6.964	.46	.64
87	M18	Y	-6.964	-14.508	.64	.82
88	M18	Y	-14.508	-15.565	.82	1
89	M33	Y	-16.2	-5.027	0	.179
90	M33	Y	-5.027	.559	.179	.358
91	M33	Y	.559	.559	.358	.537
92	M33	Y	.559	.559	.537	.716
93	M33	Y	.559	.559	.716	.895
94	M33	Y	-15.418	-10.57	0	.895
95	M33	Y	-10.57	-5.722	.895	1.791
96	M50	Y	-12.744	-6.123	0	.825
97	M50	Y	-6.123	-5.144	.825	1.65
98	M50	Y	-5.144	-9.809	1.65	2.475
99	M28	Y	.843	-.316	.895	1.313
100	M28	Y	-.316	-.597	1.313	1.731
101	M28	Y	-.597	.281	1.731	2.149
102	M28	Y	.281	-8.154	2.149	2.567
103	M28	Y	-8.154	-25.023	2.567	2.985
104	M32	Y	-27.295	-8.859	0	.418
105	M32	Y	-8.859	.36	.418	.836
106	M32	Y	.36	-.428	.836	1.254
107	M32	Y	-.428	-.147	1.254	1.672
108	M32	Y	-.147	.922	1.672	2.089
109	M128	Y	-12.554	-22.383	0	.233
110	M128	Y	-22.383	-26.716	.233	.467
111	M128	Y	-26.716	-21.815	.467	.7
112	M128	Y	-21.815	-24.472	.7	.933
113	M128	Y	-24.472	-38.424	.933	1.167
114	M129	Y	-31.545	-30.17	0	.233
115	M129	Y	-30.17	-20.182	.233	.467
116	M129	Y	-20.182	-20.03	.467	.7
117	M129	Y	-20.03	-22.938	.7	.933
118	M129	Y	-22.938	-10.458	.933	1.167
119	M18	Y	-3.306	-2.794	0	.333
120	M18	Y	-2.794	-1.248	.333	.667
121	M18	Y	-1.248	.043	.667	1
122	M28	Y	-1.86	-1.781	.895	1.642
123	M28	Y	-1.781	-1.702	1.642	2.388
124	M51	Y	-3.339	-6.028	0	.495
125	M51	Y	-6.028	-7.069	.495	.99

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
126	M51	Y	-7.069	-7.503	.99	1.485
127	M51	Y	-7.503	-4.188	1.485	1.98
128	M51	Y	-4.188	-.134	1.98	2.475
129	M18	Y	-4.508	-6.028	0	.9
130	M28	Y	-.025	-8.713	1.194	1.791
131	M28	Y	-8.713	-17.248	1.791	2.388
132	M28	Y	-17.248	-16.942	2.388	2.985
133	M51	Y	-2.988	-2.988	0	.599
134	M32	Y	-1.702	-1.781	.597	1.343
135	M32	Y	-1.781	-1.86	1.343	2.089
136	M44	Y	-3.339	-6.028	0	.495
137	M44	Y	-6.028	-7.069	.495	.99
138	M44	Y	-7.069	-7.503	.99	1.485
139	M44	Y	-7.503	-4.188	1.485	1.98
140	M44	Y	-4.188	-.134	1.98	2.475
141	M123A	Y	.043	-1.248	0	.333
142	M123A	Y	-1.248	-2.794	.333	.667
143	M123A	Y	-2.794	-3.306	.667	1
144	M32	Y	-16.942	-17.248	0	.597
145	M32	Y	-17.248	-8.713	.597	1.194
146	M32	Y	-8.713	-.025	1.194	1.791
147	M44	Y	-2.988	-2.988	0	.599
148	M123A	Y	-7.549	-2.988	.1	1

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M30	Y	1.032	-.373	.895	1.313
2	M30	Y	-.373	-.717	1.313	1.731
3	M30	Y	-.717	.345	1.731	2.149
4	M30	Y	.345	-9.977	2.149	2.567
5	M30	Y	-9.977	-30.619	2.567	2.985
6	M31	Y	-33.194	-10.776	0	.418
7	M31	Y	-10.776	.434	.418	.836
8	M31	Y	.434	-.245	.836	1.254
9	M31	Y	-.245	.098	1.254	1.672
10	M31	Y	.098	1.121	1.672	2.089
11	M150	Y	-15.434	-27.36	0	.233
12	M150	Y	-27.36	-32.636	.233	.467
13	M150	Y	-32.636	-26.66	.467	.7
14	M150	Y	-26.66	-29.891	.7	.933
15	M150	Y	-29.891	-46.936	.933	1.167
16	M153	Y	-42.594	-34.734	0	.233
17	M153	Y	-34.734	-24.423	.233	.467
18	M153	Y	-24.423	-26.657	.467	.7
19	M153	Y	-26.657	-27.644	.7	.933
20	M153	Y	-27.644	-12.388	.933	1.167
21	M30	Y	-9.21	-8.124	1.194	2.089
22	M30	Y	-8.124	-7.038	2.089	2.985
23	M45	Y	-2.859	-2.859	1.391	2.391
24	M30	Y	-54.646	-17.054	2.174	2.289
25	M30	Y	-17.054	-8.37	2.289	2.404
26	M30	Y	-8.37	-8.37	2.404	2.519
27	M30	Y	-8.37	-16.488	2.519	2.634
28	M30	Y	-16.488	-36.823	2.634	2.749
29	M30	Y	-36.823	-41.034	2.749	2.864
30	M45	Y	-9.013	-5.586	0	1.1

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M45	Y	-5.586	-2.16	1.1	2.2
32	M123A	Y	-18.115	-15.614	0	.3
33	M123A	Y	-15.614	-7.078	.3	.6
34	M123A	Y	-7.078	.208	.6	.9
35	M31	Y	-7.038	-8.124	0	.895
36	M31	Y	-8.124	-9.21	.895	1.791
37	M38	Y	-2.859	-2.859	1.391	2.391
38	M31	Y	-41.034	-36.825	.121	.236
39	M31	Y	-36.825	-16.489	.236	.351
40	M31	Y	-16.489	-8.371	.351	.466
41	M31	Y	-8.371	-8.371	.466	.581
42	M31	Y	-8.371	-17.061	.581	.696
43	M31	Y	-17.061	-54.666	.696	.811
44	M38	Y	-9.011	-5.586	0	1.1
45	M38	Y	-5.586	-2.161	1.1	2.2
46	M122A	Y	.208	-7.077	.1	.4
47	M122A	Y	-7.077	-15.613	.4	.7
48	M122A	Y	-15.613	-18.114	.7	1
49	M29	Y	-.025	-10.613	1.194	1.791
50	M29	Y	-10.613	-21.049	1.791	2.388
51	M29	Y	-21.049	-20.747	2.388	2.985
52	M39	Y	-3.646	-3.646	0	.602
53	M122A	Y	-9.281	-3.646	0	.9
54	M29	Y	-2.273	-2.176	.895	1.642
55	M29	Y	-2.176	-2.08	1.642	2.388
56	M39	Y	-4.081	-7.368	0	.495
57	M39	Y	-7.368	-8.64	.495	.99
58	M39	Y	-8.64	-9.171	.99	1.485
59	M39	Y	-9.171	-5.119	1.485	1.98
60	M39	Y	-5.119	-.164	1.98	2.475
61	M122A	Y	-4.041	-3.415	0	.333
62	M122A	Y	-3.415	-1.525	.333	.667
63	M122A	Y	-1.525	.052	.667	1
64	M29	Y	1.031	-.386	.895	1.313
65	M29	Y	-.386	-.729	1.313	1.731
66	M29	Y	-.729	.344	1.731	2.149
67	M29	Y	.344	-9.965	2.149	2.567
68	M29	Y	-9.965	-30.583	2.567	2.985
69	M33	Y	-33.344	-10.822	0	.418
70	M33	Y	-10.822	.439	.418	.836
71	M33	Y	.439	-.524	.836	1.254
72	M33	Y	-.524	-.181	1.254	1.672
73	M33	Y	-.181	1.126	1.672	2.089
74	M138	Y	-15.344	-27.357	0	.233
75	M138	Y	-27.357	-32.653	.233	.467
76	M138	Y	-32.653	-26.663	.467	.7
77	M138	Y	-26.663	-29.91	.7	.933
78	M138	Y	-29.91	-46.962	.933	1.167
79	M141	Y	-38.554	-36.873	0	.233
80	M141	Y	-36.873	-24.665	.233	.467
81	M141	Y	-24.665	-24.476	.467	.7
82	M141	Y	-24.476	-28.044	.7	.933
83	M141	Y	-28.044	-12.823	.933	1.167
84	M18	Y	.065	.065	.1	.28
85	M18	Y	.065	.065	.28	.46
86	M18	Y	.065	-8.511	.46	.64
87	M18	Y	-8.511	-17.733	.64	.82

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	M18	Y	-17.733	-19.024	.82	1
89	M33	Y	-19.799	-6.145	0	.179
90	M33	Y	-6.145	.683	.179	.358
91	M33	Y	.683	.683	.358	.537
92	M33	Y	.683	.683	.537	.716
93	M33	Y	.683	.683	.716	.895
94	M33	Y	-18.844	-12.919	0	.895
95	M33	Y	-12.919	-6.994	.895	1.791
96	M50	Y	-15.576	-7.483	0	.825
97	M50	Y	-7.483	-6.287	.825	1.65
98	M50	Y	-6.287	-11.988	1.65	2.475
99	M28	Y	1.031	-.386	.895	1.313
100	M28	Y	-.386	-.729	1.313	1.731
101	M28	Y	-.729	.344	1.731	2.149
102	M28	Y	.344	-9.965	2.149	2.567
103	M28	Y	-9.965	-30.583	2.567	2.985
104	M32	Y	-33.36	-10.827	0	.418
105	M32	Y	-10.827	.44	.418	.836
106	M32	Y	.44	-.523	.836	1.254
107	M32	Y	-.523	-.18	1.254	1.672
108	M32	Y	-.18	1.127	1.672	2.089
109	M128	Y	-15.344	-27.357	0	.233
110	M128	Y	-27.357	-32.653	.233	.467
111	M128	Y	-32.653	-26.663	.467	.7
112	M128	Y	-26.663	-29.91	.7	.933
113	M128	Y	-29.91	-46.962	.933	1.167
114	M129	Y	-38.556	-36.874	0	.233
115	M129	Y	-36.874	-24.666	.233	.467
116	M129	Y	-24.666	-24.481	.467	.7
117	M129	Y	-24.481	-28.036	.7	.933
118	M129	Y	-28.036	-12.782	.933	1.167
119	M18	Y	-4.041	-3.415	0	.333
120	M18	Y	-3.415	-1.525	.333	.667
121	M18	Y	-1.525	.052	.667	1
122	M28	Y	-2.273	-2.176	.895	1.642
123	M28	Y	-2.176	-2.08	1.642	2.388
124	M51	Y	-4.081	-7.368	0	.495
125	M51	Y	-7.368	-8.64	.495	.99
126	M51	Y	-8.64	-9.171	.99	1.485
127	M51	Y	-9.171	-5.119	1.485	1.98
128	M51	Y	-5.119	-.164	1.98	2.475
129	M18	Y	-5.51	-7.368	0	.9
130	M28	Y	-.031	-10.649	1.194	1.791
131	M28	Y	-10.649	-21.08	1.791	2.388
132	M28	Y	-21.08	-20.707	2.388	2.985
133	M51	Y	-3.652	-3.652	0	.599
134	M32	Y	-2.08	-2.176	.597	1.343
135	M32	Y	-2.176	-2.273	1.343	2.089
136	M44	Y	-4.081	-7.368	0	.495
137	M44	Y	-7.368	-8.64	.495	.99
138	M44	Y	-8.64	-9.171	.99	1.485
139	M44	Y	-9.171	-5.119	1.485	1.98
140	M44	Y	-5.119	-.164	1.98	2.475
141	M123A	Y	.052	-1.525	0	.333
142	M123A	Y	-1.525	-3.415	.333	.667
143	M123A	Y	-3.415	-4.041	.667	1
144	M32	Y	-20.707	-21.08	0	.597

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
145	M32	Y	-21.08	-10.649	.597	1.194
146	M32	Y	-10.649	-.031	1.194	1.791
147	M44	Y	-3.652	-3.652	0	.599
148	M123A	Y	-9.226	-3.652	.1	1

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	A-B	-.009
2	N85	N86	N57		Y	A-B	-.009
3	N57	N88	N74	N86	Y	A-B	-.009
4	N90	N89	N57A		Y	A-B	-.009
5	N91	N57A	N90	N64	Y	A-B	-.009
6	N84	N55	N81A		Y	A-B	-.009
7	N81A	N82	N66	N84	Y	A-B	-.009
8	N55	N60	N95	N81A	Y	A-B	-.009
9	N60	N97	N79		Y	A-B	-.009
10	N95	N96	N79	N60	Y	C-D	-.009
11	N53	N58	N60A	N59	Y	A-B	-.009
12	N59	N67	N81	N80A	Y	A-B	-.009
13	N53	N80A	N59		Y	A-B	-.009
14	N60A	N92	N72	N93	Y	A-B	-.009
15	N58	N93	N60A		Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	A-B	-.011
2	N85	N86	N57		Y	A-B	-.011
3	N57	N88	N74	N86	Y	A-B	-.011
4	N90	N89	N57A		Y	A-B	-.011
5	N91	N57A	N90	N64	Y	A-B	-.011
6	N84	N55	N81A		Y	A-B	-.011
7	N81A	N82	N66	N84	Y	A-B	-.011
8	N55	N60	N95	N81A	Y	A-B	-.011
9	N60	N97	N79		Y	A-B	-.011
10	N95	N96	N79	N60	Y	C-D	-.011
11	N53	N58	N60A	N59	Y	A-B	-.011
12	N59	N67	N81	N80A	Y	A-B	-.011
13	N53	N80A	N59		Y	A-B	-.011
14	N60A	N92	N72	N93	Y	A-B	-.011
15	N58	N93	N60A		Y	A-B	-.011

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	N2	max	1944.143	10	908.901	13	4514.644	1	2.413	13	1.575	4	.478	4
2		min	-1932.677	4	427.385	7	-3765.681	7	.13	7	-1.565	10	-.48	10
3	N177A	max	3897.098	9	909.665	21	2391.039	2	.064	2	1.593	12	-.114	4
4		min	-3255.975	3	429.421	3	-2770.866	8	-1.237	20	-1.581	6	-2.094	22
5	N179A	max	3300.518	11	912.928	17	2301.468	12	.05	1	1.58	8	2.098	16
6		min	-3946.884	5	428.526	11	-2669.245	6	-1.242	19	-1.566	2	.107	11
7	N288	max	776.428	40	2987.148	19	5680.158	19	.002	19	0	4	0	4
8		min	-485.649	10	782.966	1	1488.859	1	0	12	0	10	0	10
9	N289	max	4916.358	15	2985.86	15	-669.153	9	0	12	0	12	0	6
10		min	1352.793	9	791.903	9	-2839.071	15	-.001	18	0	6	-.002	24

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
11	N290	max	-1237.307	5	2990.931	23	-800.387	7	0	2	0	8	.002	14
12		min	-4929.002	23	787.073	5	-2846.765	22	-.001	20	0	2	0	8
13	Totals:	max	6962.154	10	11272.352	23	6962.184	1						
14		min	-6962.148	4	5490.754	5	-6962.196	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M4	HSS3X3X6	.262	0	3	.105	0	z	10	131290...	1403...	11.213	11.213	...	H1-...
2	M5	HSS3X3X6	.063	.38	10	.057	.38	z	4	110885...	1403...	11.213	11.213	...	H1-...
3	M10	HSS3X3X6	.265	0	11	.107	0	z	6	131290...	1403...	11.213	11.213	...	H1-...
4	M11	HSS3X3X6	.064	.38	6	.058	.38	z	12	110885...	1403...	11.213	11.213	...	H1-...
5	M16	HSS3X3X6	.263	0	7	.105	0	z	2	131290...	1403...	11.213	11.213	...	H1-...
6	M17	HSS3X3X6	.063	.38	2	.057	.38	z	8	110885...	1403...	11.213	11.213	...	H1-...
7	M18	PL5/8x6	.376	.5	12	.186	1	y	21	96258....	1215...	1.582	15.188	...	H1-...
8	M19	PIPE_3.0	.125	4.132	3	.124	4....		15	58029....	65205	5.749	5.749	...	H1-...
9	M20	PIPE_3.0	.126	4.132	11	.124	4....		23	58029....	65205	5.749	5.749	...	H1-...
10	M21	PIPE_3.0	.125	4.132	7	.123	4....		19	58029....	65205	5.749	5.749	...	H1-...
11	M22	PIPE_3.0	.159	2.339	16	.078	2....		18	58780....	65205	5.749	5.749	...	H1-...
12	M23	PIPE_3.0	.158	2.339	24	.078	2....		14	58780....	65205	5.749	5.749	...	H1-...
13	M24	PIPE_3.0	.159	2.339	20	.078	2....		22	58780....	65205	5.749	5.749	...	H1-...
14	M25	PIPE_3.0	.144	1.312	16	.133	1....		24	58029....	65205	5.749	5.749	...	H1-...
15	M26	PIPE_3.0	.144	1.312	24	.134	1....		23	58029....	65205	5.749	5.749	...	H1-...
16	M27	PIPE_3.0	.144	1.312	20	.133	1....		16	58029....	65205	5.749	5.749	...	H1-...
17	M28	L2.5x1.5x4	.657	2.985	16	.059	0	z	16	15930....	3068...	.461	1.597	...	H2-1
18	M29	L2.5x1.5x4	.655	0	24	.059	0	z	24	15930....	3068...	.461	1.596	...	H2-1
19	M30	L2.5x1.5x4	.657	0	20	.059	0	z	20	15930....	3068...	.461	1.596	...	H2-1
20	M31	L2.5x1.5x4	.732	2.985	13	.064	2....	z	14	15930....	3068...	.461	1.593	...	H2-1
21	M32	L2.5x1.5x4	.730	2.985	21	.064	2....	z	22	15930....	3068...	.461	1.593	...	H2-1
22	M33	L2.5x1.5x4	.731	0	18	.063	2....	z	18	15930....	3068...	.461	1.597	...	H2-1
23	M38	L2.5x1.5x4	.073	2.75	5	.005	2.75	y	18	17589....	3068...	.461	1.597	...	H2-1
24	M39	L2.5x1.5x4	.077	2.75	8	.006	2.75	z	17	17589....	3068...	.461	1.595	...	H2-1
25	M44	L2.5x1.5x4	.076	2.75	1	.005	2.75	y	14	17589....	3068...	.461	1.597	...	H2-1
26	M45	L2.5x1.5x4	.077	2.75	4	.005	2.75	z	13	17589....	3068...	.461	1.572	...	H2-1
27	M50	L2.5x1.5x4	.075	2.75	9	.006	2.75	y	22	17589....	3068...	.461	1.597	...	H2-1
28	M51	L2.5x1.5x4	.077	2.75	12	.006	2.75	z	21	17589....	3068...	.461	1.593	...	H2-1
29	MP5A	PIPE_2.0	.216	3.938	5	.119	4		9	20866....	32130	1.872	1.872	...	H1-...
30	MP4A	PIPE_2.0	.559	4	19	.429	4.75		18	20866....	32130	1.872	1.872	...	H1-...
31	MP3A	PIPE_2.0	.331	4	19	.105	4		19	20866....	32130	1.872	1.872	...	H1-...
32	MP2A	PIPE_2.0	.801	3.978	19	.434	3....		19	21241....	32130	1.872	1.872	...	H3-6
33	MP1A	PIPE_2.0	.329	3.938	8	.169	4.75		5	20866....	32130	1.872	1.872	...	H1-...
34	MP5C	PIPE_2.0	.252	3.938	1	.122	4		4	20866....	32130	1.872	1.872	...	H1-...
35	MP4C	PIPE_2.0	.562	4	15	.429	4.75		14	20866....	32130	1.872	1.872	...	H1-...
36	MP3C	PIPE_2.0	.331	4	15	.106	4		15	20866....	32130	1.872	1.872	...	H1-...
37	MP2C	PIPE_2.0	.802	3.978	15	.434	3....		15	21241....	32130	1.872	1.872	...	H3-6
38	MP1C	PIPE_2.0	.325	3.938	4	.172	4.75		1	20866....	32130	1.872	1.872	...	H1-...
39	MP5B	PIPE_2.0	.253	3.938	9	.121	4		12	20866....	32130	1.872	1.872	...	H1-...
40	MP4B	PIPE_2.0	.561	4	23	.430	4.75		22	20866....	32130	1.872	1.872	...	H1-...
41	MP3B	PIPE_2.0	.331	4	23	.106	4		23	20866....	32130	1.872	1.872	...	H1-...
42	MP2B	PIPE_2.0	.805	3.978	23	.436	3....		23	21241....	32130	1.872	1.872	...	H3-6
43	MP1B	PIPE_2.0	.330	3.938	12	.171	4.75		9	20866....	32130	1.872	1.872	...	H1-...
44	M122A	PL5/8x6	.377	.5	8	.187	1	y	17	96258....	1215...	1.582	15.188	...	H1-...
45	M123A	PL5/8x6	.386	.5	4	.188	1	y	13	96258....	1215...	1.582	15.188	...	H1-...
46	M128	L2.5x1.5x4	.065	.583	23	.011	1....	z	22	27759....	3068...	.461	1.597	...	H2-1
47	M129	L2.5x1.5x4	.063	.559	14	.010	0	z	16	27759....	3068...	.461	1.597	...	H2-1
48	M138	L2.5x1.5x4	.065	.583	19	.011	1....	z	18	27759....	3068...	.461	1.597	...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
49	M141	L2.5x1.5x4	.062	.559	22	.010	0	z	24	27759....	3068..	.461	1.597	...	H2-1
50	M150	L2.5x1.5x4	.065	.583	15	.011	1....	z	14	27759....	3068..	.461	1.597	...	H2-1
51	M153	L2.5x1.5x4	.063	.571	18	.010	0	z	20	27759....	3068..	.461	1.597	...	H2-1
52	M100A	PIPE_2.5	.119	12.235	7	.046	10...		22	10819....	50715	3.596	3.596	...	H1-...
53	M108	PIPE_2.5	.121	12.235	3	.046	10...		18	10819....	50715	3.596	3.596	...	H1-...
54	M116	PIPE_2.5	.117	2.417	9	.074	12...		12	10819....	50715	3.596	3.596	...	H1-...
55	M124A	L3X3X4	.271	2.603	11	.023	0	y	11	40153....	46656	1.688	3.756	...	H2-1
56	M125A	L3X3X4	.283	2.603	7	.022	0	y	7	40153....	46656	1.688	3.756	...	H2-1
57	M126	L3X3X4	.283	2.603	3	.022	0	y	3	40153....	46656	1.688	3.756	...	H2-1
58	M133	PIPE_2.5	.320	9.729	19	.209	9....		19	12057....	50715	3.596	3.596	...	H1-...
59	M141A	PIPE_2.5	.320	9.729	15	.209	9....		15	12057....	50715	3.596	3.596	...	H1-...
60	M149A	PIPE_2.5	.321	9.729	23	.210	9....		23	12057....	50715	3.596	3.596	...	H1-...
61	M157	L3X3X4	.212	2.603	17	.010	0	y	5	40153....	46656	1.688	3.756	...	H2-1
62	M158	L3X3X4	.214	2.603	13	.010	0	y	1	40153....	46656	1.688	3.756	...	H2-1
63	M159	L3X3X4	.214	2.603	21	.010	0	y	9	40153....	46656	1.688	3.756	...	H2-1
64	M160	L2.5x2.5x4	.217	1.917	19	.010	0	y	22	23864....	38556	1.114	2.373	...	H2-1
65	M161	L2.5x2.5x4	.217	1.917	19	.009	0	z	16	23864....	38556	1.114	2.373	...	H2-1
66	M162	L2.5x2.5x4	.217	1.917	15	.010	0	y	18	23864....	38556	1.114	2.373	...	H2-1
67	M163	L2.5x2.5x4	.217	1.917	15	.009	0	z	24	23864....	38556	1.114	2.373	...	H2-1
68	M164	L2.5x2.5x4	.217	1.917	23	.010	3....	y	14	23864....	38556	1.114	2.373	...	H2-1
69	M165	L2.5x2.5x4	.218	1.917	23	.009	3....	z	20	23864....	38556	1.114	2.373	...	H2-1

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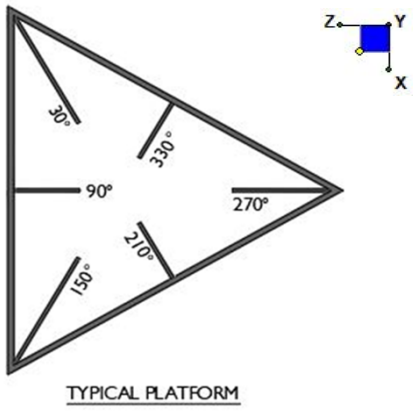
Client:	Verizon Wireless	Date:	10/15/2021
Site Name:	WESTON CT		
Project No.	21781023A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

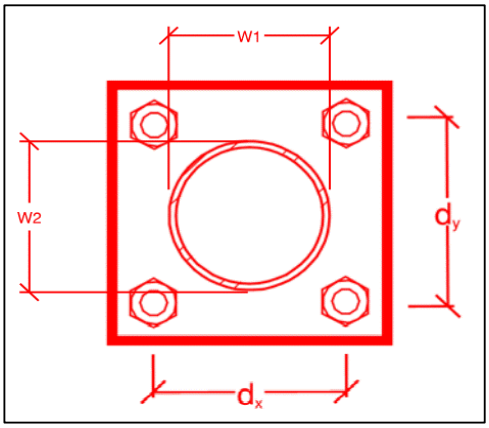
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
n2	270
n179a	150
n177aa	30



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)* :	3.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	3.5
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	17.5
Required Shear Strength (kips):	12.8
Tensile Strength / bolt (kips):	13.3
Shear Strength / bolt (kips):	8.0
Tensile Capacity Overall:	**33.0%***
Shear Capacity Overall:	**40.3%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	6
W1 (in):	3
W2 (in):	3
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.57
Plate Bending Capacity:	**10.1%**
Weld Capacity:	**61.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	1.5
$Phi*Mn_{xx}$ *(kip-in)* :	27.3
Mu_{yy} *(kip-in)* :	1.3
$Phi*Mn_{yy}$ *(kip-in)* :	27.3

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

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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:

Prior to installation of equipment, contractor shall verify all dimensions and member sizes shown in the mount geometry verification requirements section of the mount modification drawings. Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications. Contact EOR if these documents are not available to the general contractor. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Contractor shall provide photos of wire rope guide installation as part of PMI documents.

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:

Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

☐ Yes ☐ No

Comments:

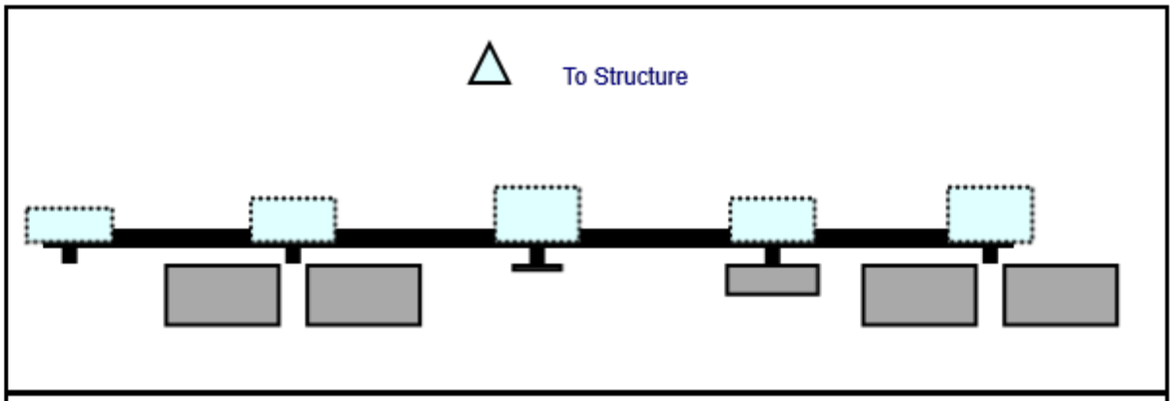
Structure: 468910-VZW - WESTON CT

Sector: **A** 10/15/2021

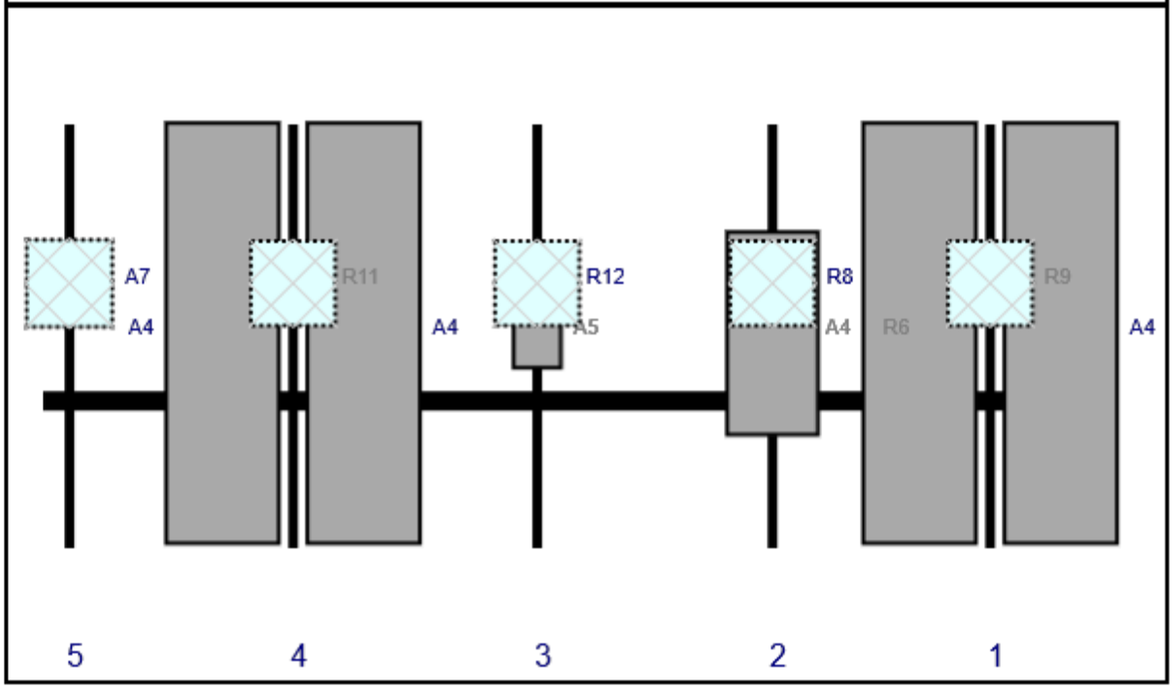
Structure Type: Monopole 10107332

Mount Elev: 152.00 Page: 1

Plan View



Front View
Looking at Structure



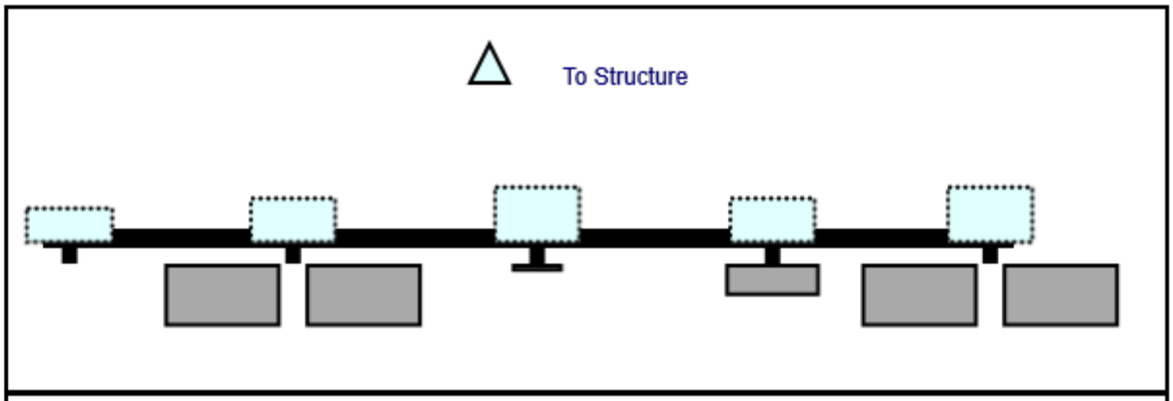
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Added	
R9	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	0	Added	
R6	MT6407-77A	35.1	16.1	124	2	a	Front	35.52	0	Added	
R8	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	27	0	Retained	06/19/2020
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	35.52	0	Added	
R12	B2/B66A RRH-BR049	15	15	84	3	a	Behind	27	0	Retained	06/19/2020
A4	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Added	
R11	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	0	Added	
A7	TD-850B-LTE78-43	15.4	15.2	4.5	5	a	Behind	27	0	Added	

Sector: **B** 10/15/2021

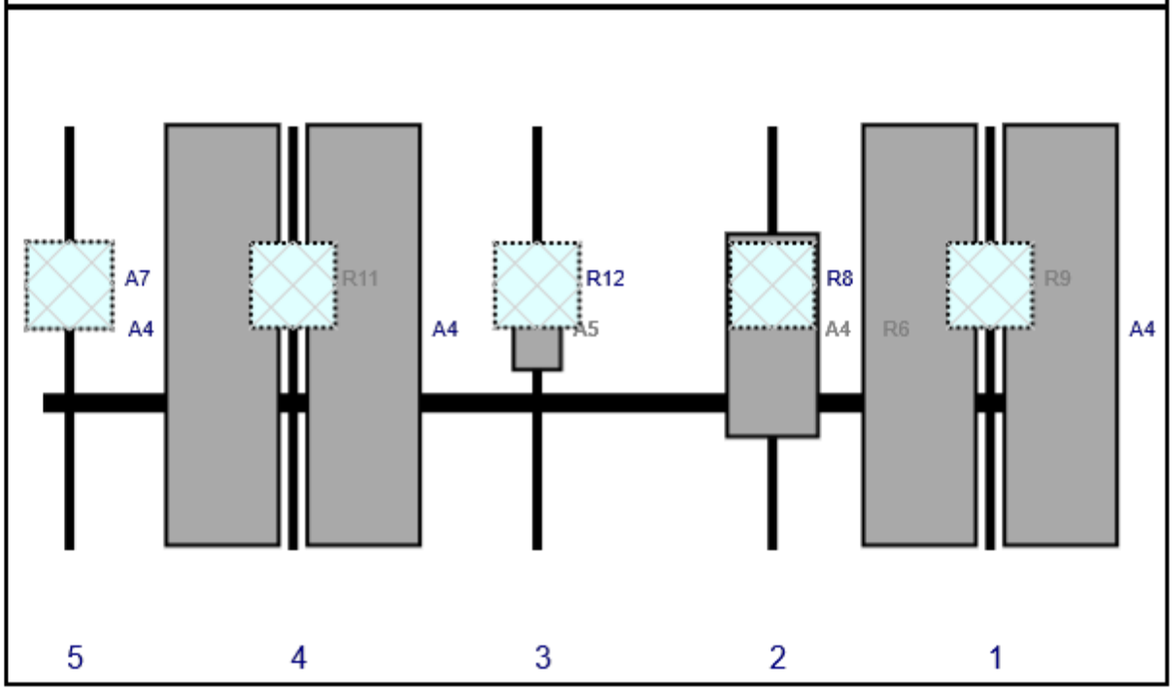
Structure Type: Monopole 10107332

Mount Elev: 152.00 Page: 2

Plan View



Front View
Looking at Structure



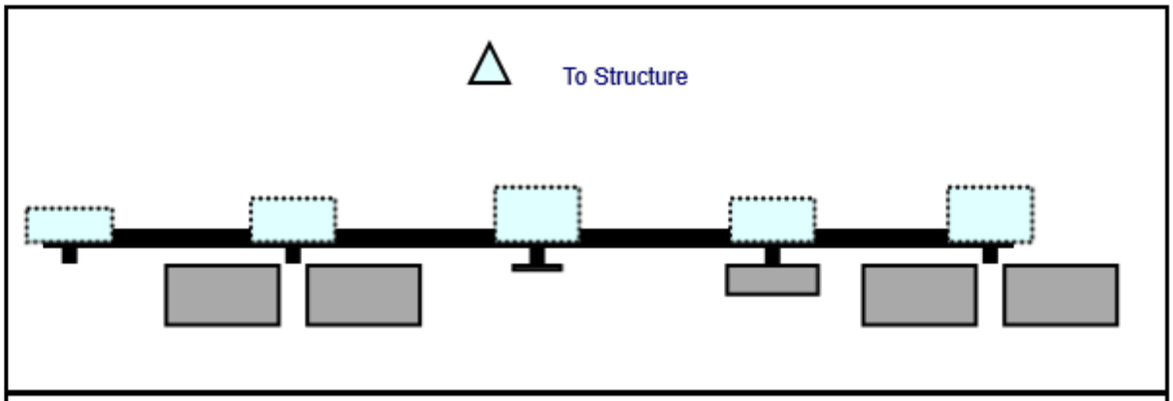
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Added	
R9	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	0	Added	
R6	MT6407-77A	35.1	16.1	124	2	a	Front	35.52	0	Added	
R8	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	27	0	Retained	06/19/2020
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	35.52	0	Added	
R12	B2/B66A RRH-BR049	15	15	84	3	a	Behind	27	0	Retained	06/19/2020
A4	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Added	
R11	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	0	Added	
A7	TD-850B-LTE78-43	15.4	15.2	4.5	5	a	Behind	27	0	Added	

Sector: **C** 10/15/2021

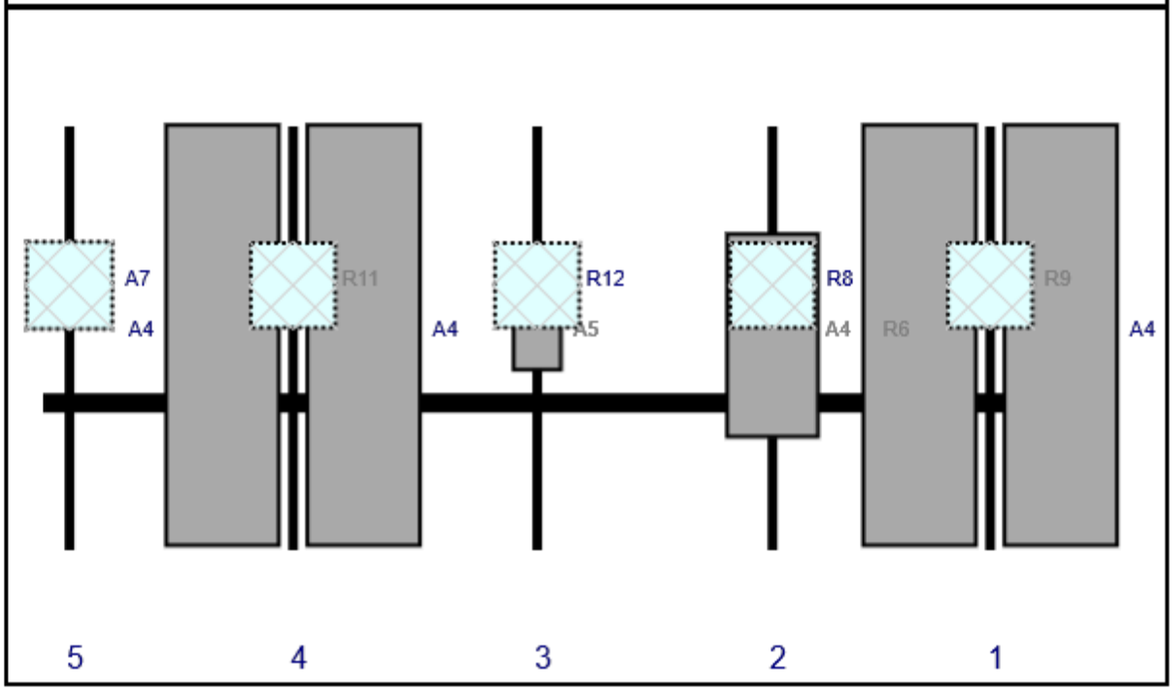
Structure Type: Monopole 10107332

Mount Elev: 152.00 Page: 3

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Added	
R9	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	0	Added	
R6	MT6407-77A	35.1	16.1	124	2	a	Front	35.52	0	Added	
R8	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	27	0	Retained	06/19/2020
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	35.52	0	Added	
R12	B2/B66A RRH-BR049	15	15	84	3	a	Behind	27	0	Retained	06/19/2020
A4	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Added	
A4	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Added	
R11	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	0	Added	
A7	TD-850B-LTE78-43	15.4	15.2	4.5	5	a	Behind	27	0	Added	

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	468910-VZW / WESTON CT
	Site Name:	WESTON CT
	Carrier Name:	Verizon Wireless
	Address:	56 Norfield Rd Weston, Connecticut 06883, Fairfield County
	Latitude:	41.202219°
	Longitude:	-73.378889°
Structure Information	Tower Type:	190-Ft Monopole
	Mount Type:	13.75-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. The 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 map 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 method, seismic analysis, 30-degree increment wind direction 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: ***WESTON 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	589	2354	153	0.0036	0.5007	0.72%
VZW CDMA	876.03	2	369	738	153	0.0011	0.5840	0.19%
VZW Cellular	874	4	371	1485	153	0.0023	0.5827	0.39%
VZW PCS	1980	4	2137	8548	153	0.0131	1.0000	1.31%
VZW AWS	2120	4	2398	9591	153	0.0147	1.0000	1.47%
VZW CBRS	3625	4	11	43	153	0.0001	1.0000	0.01%
VZW CBAND	3730.08	4	6531	26125	153	0.0401	1.0000	4.01%
Total Percentage of Maximum Permissible Exposure								8.11%

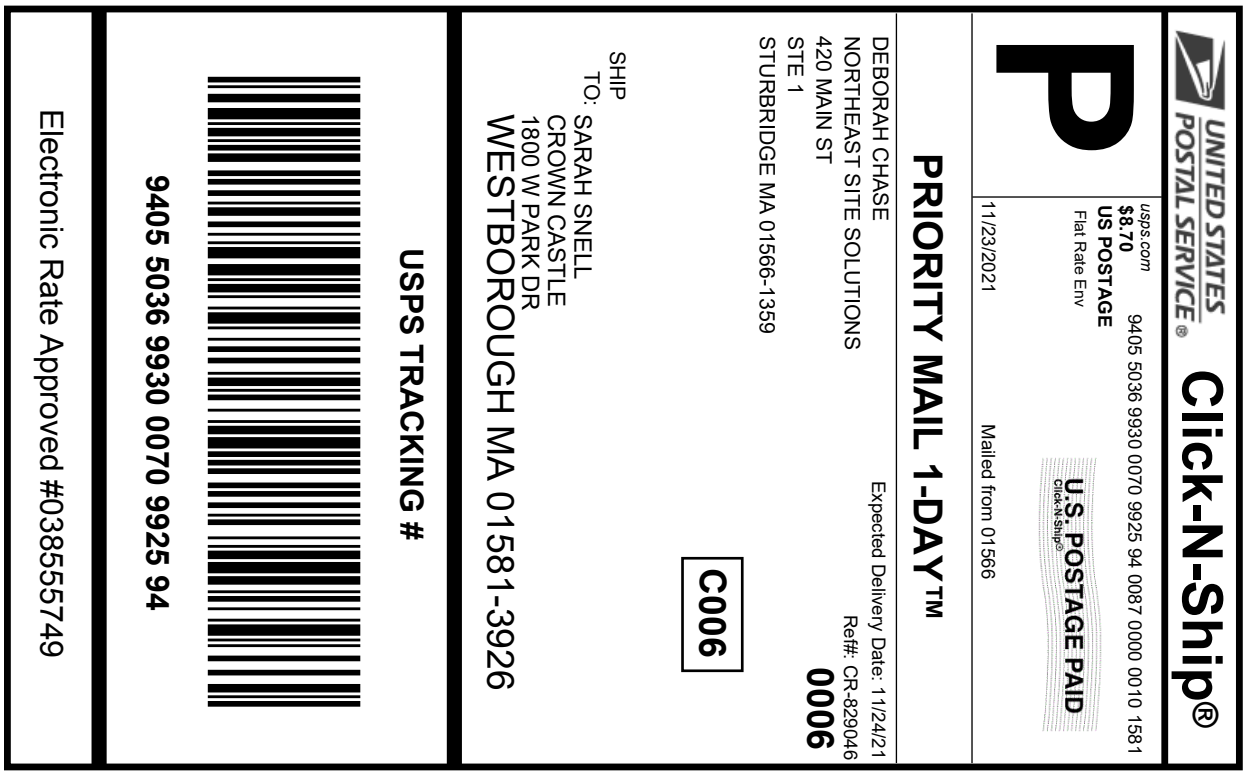
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings



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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 9925 94

Trans. #:	549067532
Print Date:	11/23/2021
Ship Date:	11/23/2021
Expected Delivery Date:	11/24/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

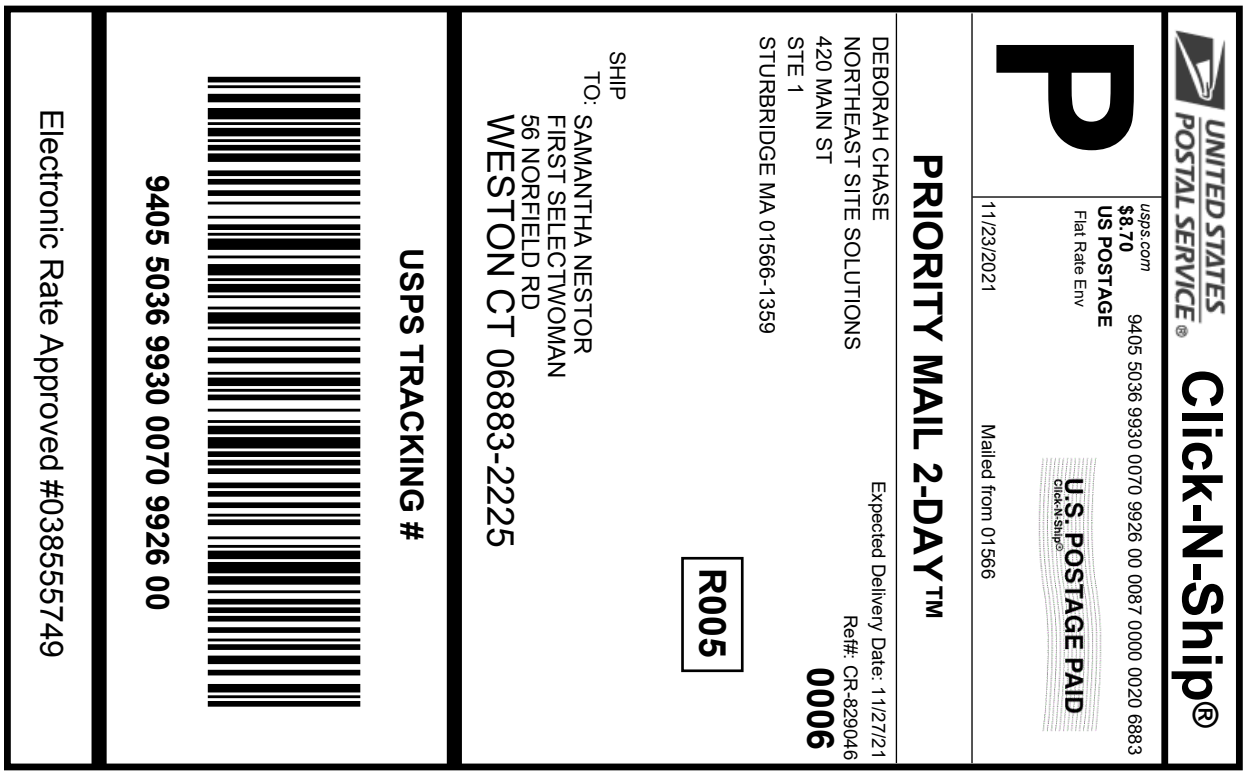
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-829046

To: SARAH SNELL
CROWN CASTLE
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.

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Instructions

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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 # :
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Trans. #:	549067532
Print Date:	11/23/2021
Ship Date:	11/23/2021
Expected Delivery Date:	11/27/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

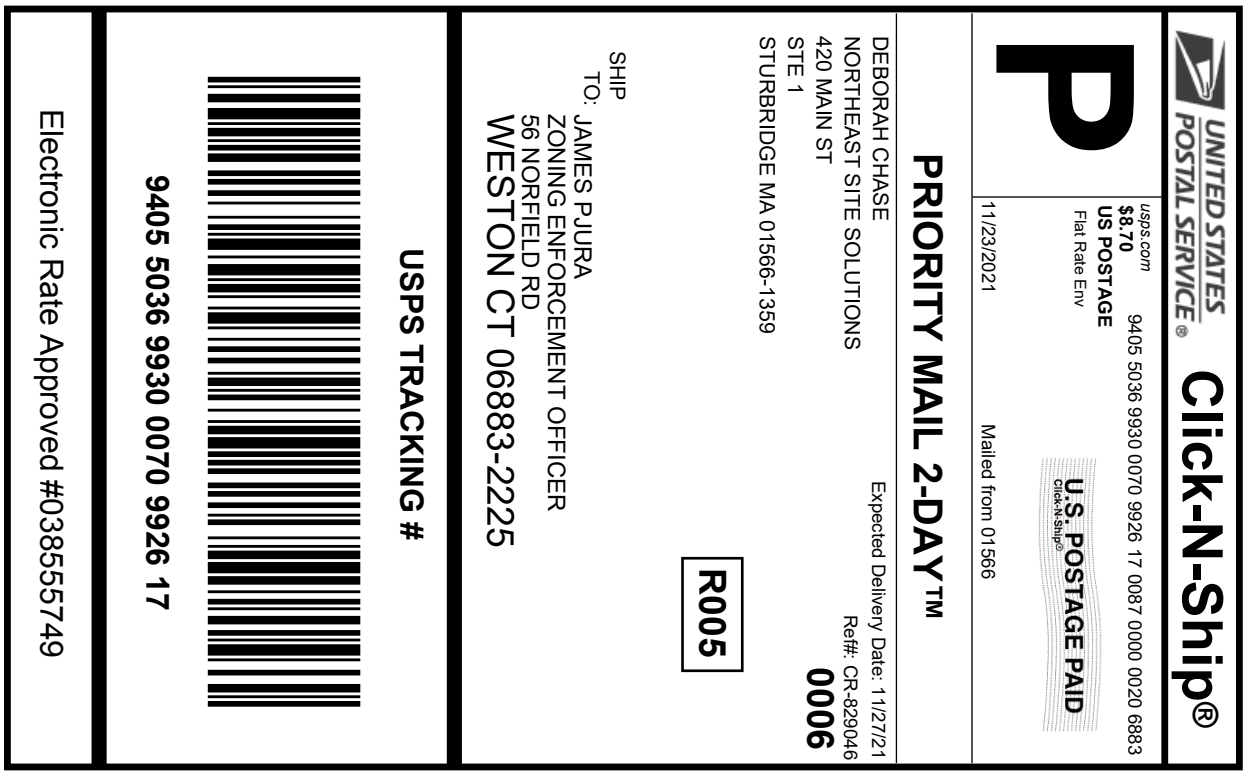
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-829046

To: SAMANTHA NESTOR
FIRST SELECTWOMAN
56 NORFIELD RD
WESTON CT 06883-2225

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0070 9926 17

Trans. #:	549067532
Print Date:	11/23/2021
Ship Date:	11/23/2021
Expected Delivery Date:	11/27/2021

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-829046

To: JAMES PJURA
ZONING ENFORCEMENT OFFICER
56 NORFIELD RD
WESTON CT 06883-2225

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UNIONVILLE
24 MILL ST
UNIONVILLE, CT 06085-9998
(800)275-8777

11/23/2021 03:21 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Tue 11/23/2021 Tracking #: 9405 5036 9930 0070 9925 94	1		$0.00
Prepaid Mail Weston, CT 06883 Weight: 0 lb 8.20 oz Acceptance Date: Tue 11/23/2021 Tracking #: 9405 5036 9930 0070 9926 00	1		$0.00
Prepaid Mail Weston, CT 06883 Weight: 0 lb 8.20 oz Acceptance Date: Tue 11/23/2021 Tracking #: 9405 5036 9930 0070 9926 17	1		$0.00
Grand Total:			$0.00

****
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