NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

February 4, 2022

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

RE: Exempt Modification Application
450-478 West Main Street, Meriden CT, 06451
Latitude: 41.540067
Longitude: -72.819183
Site#: 842869_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 450-478 West Main Street, Meriden CT 06451. Please note this is a resubmittal with revised EME per denial letter received on November 24, 2021 EM-VER-080-210917. Verizon Wireless currently maintains twelve (12) antennas at the 65-foot level of the existing 100-foot tower. The property is owned by Hunter Family LTD Partnership and the tower is owned by Crown Castle. Verizon now intends to add three (3) antenna. The new antennas would be installed at the 65-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable. Antenna mount medications will be completed as per the attached GPD Engineering & Architecture / Maser mount analysis dated June 24, 2021.

Verizon Planned Modifications:
Remove: NONE

Remove and Replace:
(6) SBNHH-1D45B Antenna (REMOVE) - (6) JMA MX06FR0660-03 Antenna (REPLACE)
(3) BXA 171063-12CF Antenna (REMOVE) - (3) VZW Sub6 VZS01 Antenna (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH (REPLACE)

Install New:
(3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRH

Existing to Remain:
(3) Antel-BXA-70063-6CF Antenna
(2) Raycap
(2) Coax Lines

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The facility was approved by the CT Siting Council, Petition No. 614 on March 11, 2003. 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 The Honorable Kevin Scarpati, Mayor, and Paul Dickson, Acting Director of Planning, Development and Enforcement, for the City of Meriden. 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
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc: The Honorable Kevin Scarpati, Mayor
City of Meriden – Mayor Office
142 East Main Street Meriden, CT 06450

Paul Dickson, Acting Director of Planning, Development and Enforcement
City of Meriden – Planning Department
142 East Main Street Meriden, CT 06450

Hunter Family LTD Partnership, Property Owner
450 West Main Street, Meriden CT 06451

Crown Castle Tower Owner (via email to Sarah.Snell@crowncastle.com)

Exhibit A

Original Facility Approval

Petition No. 614
AT&T Wireless PCS, LLC
Staff Report
March 11, 2003

On March 5, 2003, Connecticut Siting Council (Council) member Philip T. Ashton and Christina Lepage of the Council staff met with AT&T Wireless PCS, LLC (AT&T) representatives Anthony Gioffre III, and Charisma King at 450-478 West Main Street, Meriden, Connecticut for the inspection of an existing tower site. The existing property and structure are owned by Hunters Family Limited Partnership. AT&T proposes to replace the existing structure and is petitioning the Council for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) is required for the modification.

The existing facility consists of a 100-foot guyed lattice tower, which is currently used by Hunter's Ambulance Company. AT&T proposes to replace the existing guyed lattice tower with a 100-foot monopole approximately 15 feet to the southeast. Existing antennas used by the ambulance company would be relocated to the top of the monopole. AT&T proposes to install 6 panel antennas at the 100-foot level of the proposed monopole. The proposed monopole would be designed to accommodate the antennas of two additional carriers.

The proposed equipment would be located at the base of the tower within 7-foot by 16-foot equipment pad. An 8-foot high stockade fence would surround the equipment compound. AT&T proposes to install a retaining wall along the southern portion of the equipment compound.

Access to the site would be via an existing driveway. AT&T proposes to provide utilities to the site overhead from an existing utility pole to the south. The utility corridor would cross over property recently purchased by Hunter's Ambulance Company. Two new poles would be necessary to install a utility line to the site. AT&T submits that the proposed overhead utility installation would cause the least amount of disturbance to the site and surrounding area, due to the presence of bedrock, sidewalks and a parking lot.

Surrounding land uses include a mix of residential and commercial uses. The proposed site is zoned Commercial. The calculated cumulative worst-case radio frequency power density would not exceed the applicable standard.

AT&T contends that it would not need to construct a telecommunications tower to provide coverage to this area of Meriden, and the proposed modification of the existing structure would not cause a substantial adverse environmental effect. Staff recommends approval, with the condition that the tower be situated so as to avoid the removal of an existing tree.

Exhibit B

Property Card

CITY OF MERIDEN
GIS Services

PROPERTY INFORMATION Location: **450 WEST MAIN ST** Map/Lot: 0612-0202-0001-0002

OWNER INFORMATION

Owner(s):
HUNTER FAMILY LTD PRTSHP

Owner Address:
450 W MAIN ST
MERIDEN, CT 06451

BUILDING INFORMATION

Card Number: 1

Total Units: 0

OVERVIEW	
Building ID	9661
Finished Area	27,374
Comm/Rental Units	0
Living Units	0
Building Type	Mixed Use-M
Year Built	1980
Effective Yr Built	
Building Number	1
Condo Name	

INTERIOR DETAILS	
Rooms	
BedRooms	
Full Bath	0
Full Bath Rating	
Half Bath	0
Half Bath Rating	
Kitchens	0
Kitchen Rating	
Fireplaces	0

CONSTRUCTION DETAILS	
Exterior	Brick
Roof Structure	Gable
Roof Cover	Asphalt
Quality	C
Heat Fuel	Oil
Heat Type	Forced Air
Prcnt. Heated	100.00
Prcnt. AC	50.00
Stories	2 story
Foundation	Concrete

Sub Area Summary

Building ID	Description	Total Area	Fin. Area	Perimeter
9661	1st FLOOR	4,980	4,980	388
9661	1st FLOOR	3,988	3,988	272
9661	2nd FLOOR	4,980	4,980	388
9661	CARPORT	4,312	0	284
9661	GARAGE	1,248	0	152
9661	OPEN PORCH	160	0	74

Special Features

No Special Features found.

APPRAISAL INFORMATION **Tax District:** 2 **District Name:** INNER DISTRICT **District Mill Rate:** 43.41

Grand List Year: 2019

Land Appraised	Building Appraised	Yard Appraised	Total Appraised Value	Land Assessed	Building Assessed	Yard Assessed	Special Land Value	Total Assessed Value
$487,100	$1,578,500	$42,800	$2,108,400	$340,970	$1,104,950	$29,960	$0	$1,475,880

Previous Year: 2018

Land Value	Building Value	Yard Items	Appraised Value	Land Value	Building Value	Yard Items	Assessed Value
$487,400	$1,578,400	$42,800	$2,108,600	$341,180	$1,104,880	$29,960	**$1,476,020**

LAND INFORMATION

Land Use	Zoning	Land Area	Neighborhood Description
Comm Bldg	C-2	2.60069	OUTER W. MAIN

*Confirm zoning with Planning Office.
Zoning map is the official document to determine zone.

SALES INFORMATION

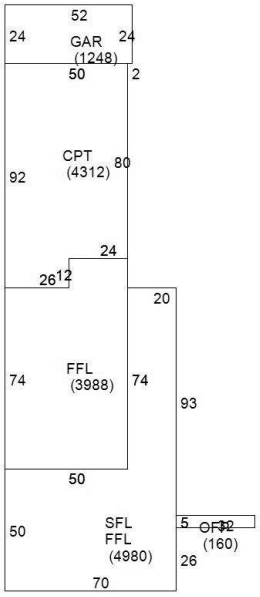
Sale Date	Sale Price	Book	Page	Grantor	Grantee	Deed Type
12/31/1997	$650,000	2322	336			

ASSESSOR'S PERMIT HISTORY

Date	Permit#	Description	Permit Type	Status	Cost
5/10/2017	B-17-334	REPLACE ROOF.		Closed	$31,275
4/21/2017	B-17-267	REPLACE ANTENNA PANELS.ADD REMOTE RADIO HEADS TO CELL TOWER.		Closed	$15,000
3/6/2017	B-17-109	AT&T REPLACE 3 ANTENNA & 3 RRU`S TO EXISTING EQUIPMENT.		Closed	$20,000
7/15/2016	B-16-659	REPLACE 3 ANTENNAI W/NEW.		Closed	$19,450
9/24/2015	B-15-743	AT&T ADD 3 ANTENNAE/3 RRU`S/1 FIBER LINE TO EXISTING EQUIPMENT ON TOWER.		Closed	$20,000
6/22/2015	E-15-295	INSTALL NEW 150A SERVICE (VERIZON).aPPROVED BY BLDG DEPT.		Closed	$25,000
5/18/2015	E-15-210	NEW 200A/3PH/4W/ SERVICE FROM MDP TO SHELTER BLDG.		Closed	$5,000
4/6/2015	P-15-64			Closed	$10,000
2/20/2015	B-15-61	INSTALL ANTENNAE & GROUND EQUIPMENT FOR VERIZON WIRELESS TELE.		Closed	$75,000
1/5/2015	B-14-285	ADD ANTENNAE TO EXISTING TOWER		Closed	$15,000
7/21/2014	2157			Closed	$30,000
6/6/2014	1664			Closed	$8,000
6/6/2014	1665			Closed	$1,000
2/25/2013	473	SPRINT - MODIF. TO TELEC. INSTALLATION ON MONOPOLE TOWER, REPL. 3 ANTENNA & CABLES AND ADD RRH`S AND NOTCH FILTERS BEHIND THE NEW ANTENNA ON TOWER, ADD CIENA EQUIP. ENCL. & FIBER JUNCTION BOX & EITHER RETROFIT OR REPLACE BTS CABINET WITHIN EQUIP. SHELTER.		Closed	$30,000
12/21/2012	3950	AT&T - REMOVE & REPLACE ONE D.C. POWER CABINET, INSTALL NEW LTE EQUIPMENT ON OPEN SLAB, CONDUITS, AC & DC CIRCUITS, FIBER OPTICS, GROUNDING & BONDING.		Closed	$3,800
11/1/2012	3422	AT&T - ADD 3 LTE ANTENNAS, SURGE ARRESTOR, RRU`S, PURCELL CABINET, CONCRETE PAD & DC/FIBER LINES		Closed	$25,000
12/5/2003	4261	200 AMP SERV	CA	Closed	$9,400
12/5/2003	4261	AT&T WIRELESS CELLSITE	CA	Closed	$9,400
8/28/2003	3042	REP EX COMMUNI TOWER	CA	Closed	$125,000
8/28/2003	3042	INSTALL COMMUNICA EQUIPME	CA	Closed	$125,000
1/1/1900	3042	INSTALL COMMUNICA EQUIPME	CA	Closed	$125,000
1/1/1900	4261	200 AMP SERV	CA	Closed	$9,400
1/1/1900	3042	REP EX COMMUNI TOWER	CA	Closed	$125,000
1/1/1900	4261	AT&T WIRELESS CELLSITE	CA	Closed	$9,400

PROPERTY IMAGES

1 2



9663
0612-0202-0001-0002
1

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 469190
VERIZON SITE NAME: MERIDEN HANOVER CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 100'-0"

BUSINESS UNIT #: 842869
SITE ADDRESS: 450-478 WEST MAIN STREET MERIDEN, CT 06451
COUNTY: NEW HAVEN
JURISDICTION: CITY OF NEW HAVEN

VERIZON FUZE PROJECT #: 16227612

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	MERIDEN WEST CENTRAL
SITE ADDRESS:	450-478 WEST MAIN STREET MERIDEN, CT 06451
COUNTY:	NEW HAVEN
MAP/PARCEL #:	VERIFY
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 32' 24.24" N (41.540067°)
LONGITUDE:	-72° 49' 9.05" W (-72.819183°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	175.0'
CURRENT ZONING:	N/A
JURISDICTION:	CITY OF NEW HAVEN
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD -- --
TOWER OWNER:	CCATT LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	TBD --
TELCO PROVIDER:	TBD --

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1500 CORPORATE DRIVE CANONSBURG, PA 15317 TBD - PROJECT MANAGER -- TBD - CONSTRUCTION MANAGER --
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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. 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	6039-Z0001-C
VzW LOCATION CODE (PSLC)	469190

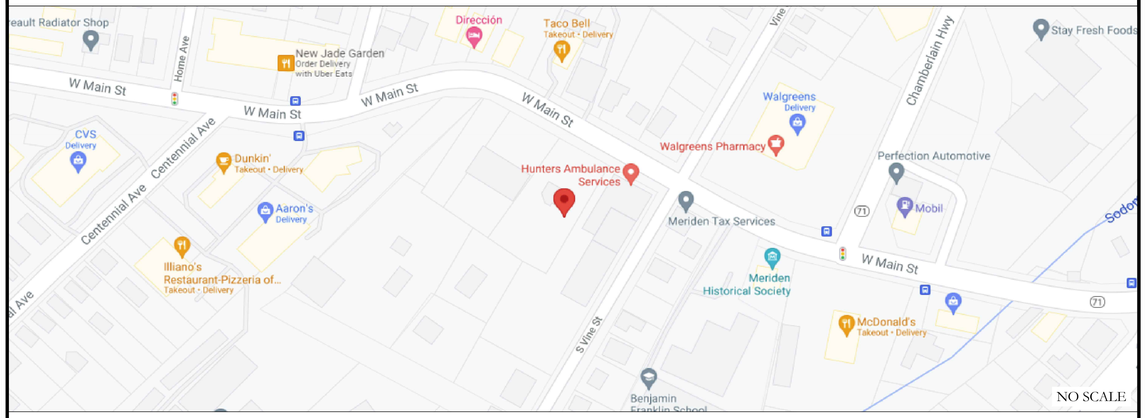
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**N**

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 (599 RESEARCH PKWY, MERIDEN, CT 06450) DEPART AND HEAD (EAST), TURN LEFT, THEN IMMEDIATELY TURN LEFT ONTO RESEARCH PKWY, TURN RIGHT ONTO E MAIN ST, TURN LEFT ONTO PRESTON AVE, TAKE THE RAMP ON THE LEFT AND FOLLOW SIGNS FOR I-691 WEST, KEEP STRAIGHT TO GET ONTO I-691 W, AT EXIT 6, HEAD RIGHT ON THE RAMP FOR LEWIS AVE TOWARD FORENSIC SCENCE LAB, TURN RIGHT ONTO LEWIS AVE TOWARD FORENSIC SCENCE LAB / LEWIS AVE, TURN RIGHT ONTO CT-71 / W MAIN ST, KEEP STRAIGHT TO GET ONTO W MAIN ST, TURN LEFT, KEEP LEFT TO GET ONTO ROAD, ARRIVE AT , 450-478 WEST MAIN STREET, MERIDEN, CT 06451.

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	2012 IBC
MECHANICAL	2012 IMC
ELECTRICAL	2011 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION.
DATED:	06-24-2021
RFDS REVISION:	TBD
DATED:	01/12/2021
ORDER ID:	568290
REVISION:	0

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 (9) ANTENNAS
- INSTALL (9) ANTENNAS
- REMOVE (6) RRHs
- INSTALL (6) RRHs
- INSTALL (3) DUAL-MOUNT ANTENNA BRACKET KIT

GROUND SCOPE OF WORK:
- N/A

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
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
469190

BU #: **842869**
MERIDEN WEST CENTRAL

450-478 WEST MAIN STREET
MERIDEN, CT 06451

EXISTING 100'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/04/2021	RCD	FINAL CDs	NH
1	08/24/2021	CB	FINAL CDs	NH

STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER
8/25/2021

SHEET NUMBER: T-1
REVISION: 1

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.

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

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).

ABBREVIATIONS:

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

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
469190

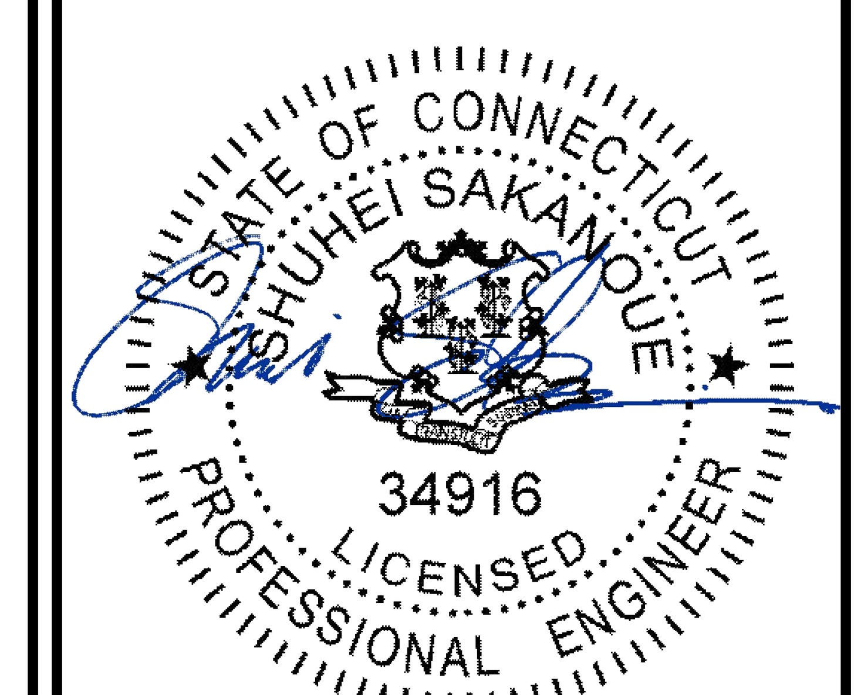
BU #: **842869**
MERIDEN WEST CENTRAL

450-478 WEST MAIN STREET
MERIDEN, CT 06451

EXISTING 100'-0" MONOPOLE

ISSUED FOR:

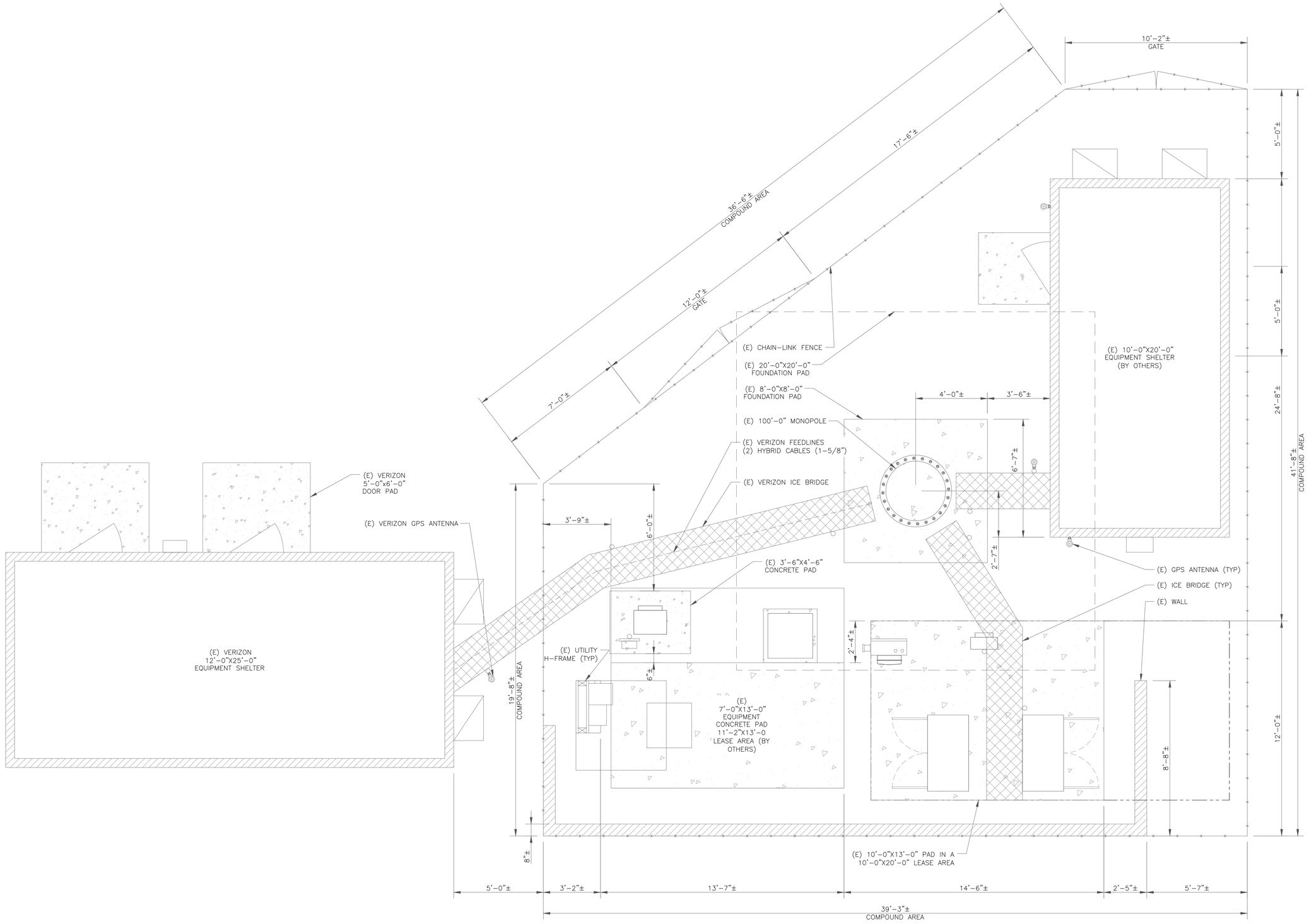
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/04/2021	RCD	FINAL CDs	NH
1	08/24/2021	CB	FINAL CDs	NH



8/25/2021

SHEET NUMBER: T-2

REVISION: 1



1 SITE PLAN
SCALE: 2' 1' 0 2' 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

N

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180 WASHINGTON VALLEY ROAD
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STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER

8/25/2021

SHEET NUMBER: C-1

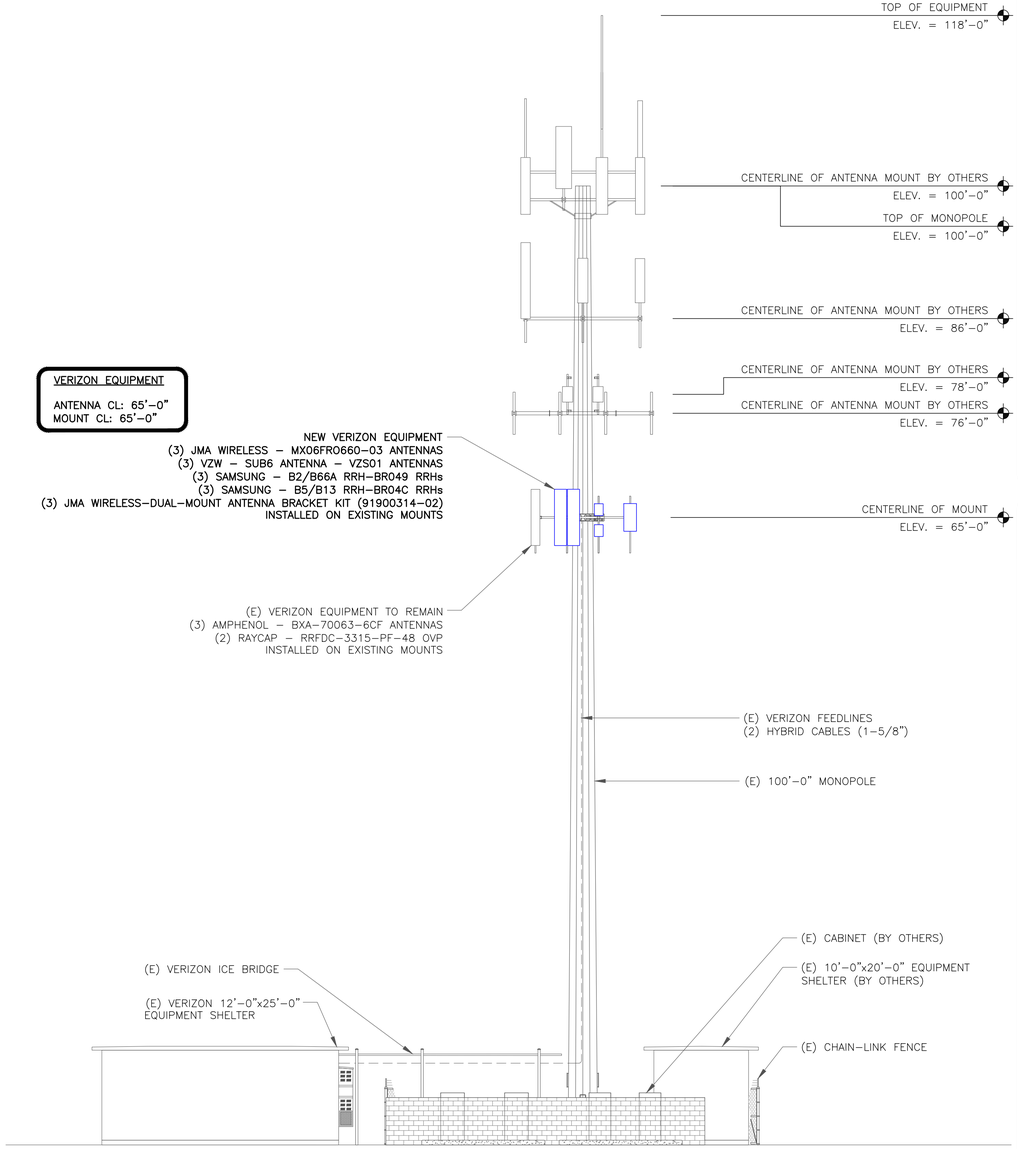
REVISION: 1

NOTES:

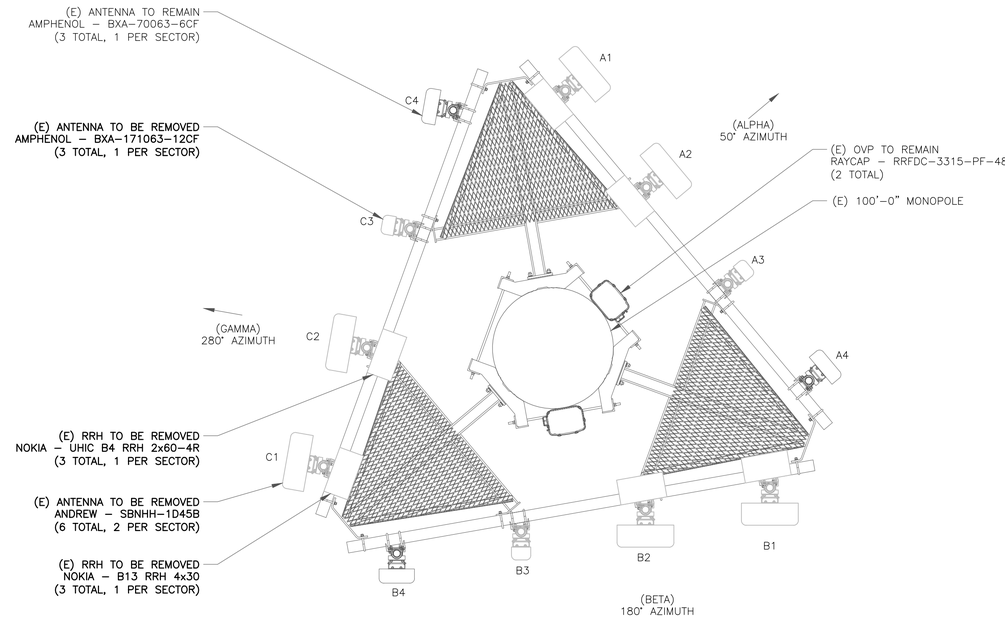
- THESE DRAWINGS ARE NOT INTENDED TO BE A VERIFICATION THAT THE STRUCTURE OR MOUNTS ARE ADEQUATE TO SUPPORT THE PROPOSED LOADING. VERIFICATION THAT THE EXISTING STRUCTURE AND MOUNTS CAN SUPPORT THE PROPOSED LOADING SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO REFER TO THE STRUCTURAL ANALYSIS AND MOUNT ASSESSMENT AND VERIFY LOADING WITH THE MOST RECENT RFDS PRIOR TO CONSTRUCTION

VERIZON EQUIPMENT

ANTENNA CL: 65'-0"
MOUNT CL: 65'-0"



1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
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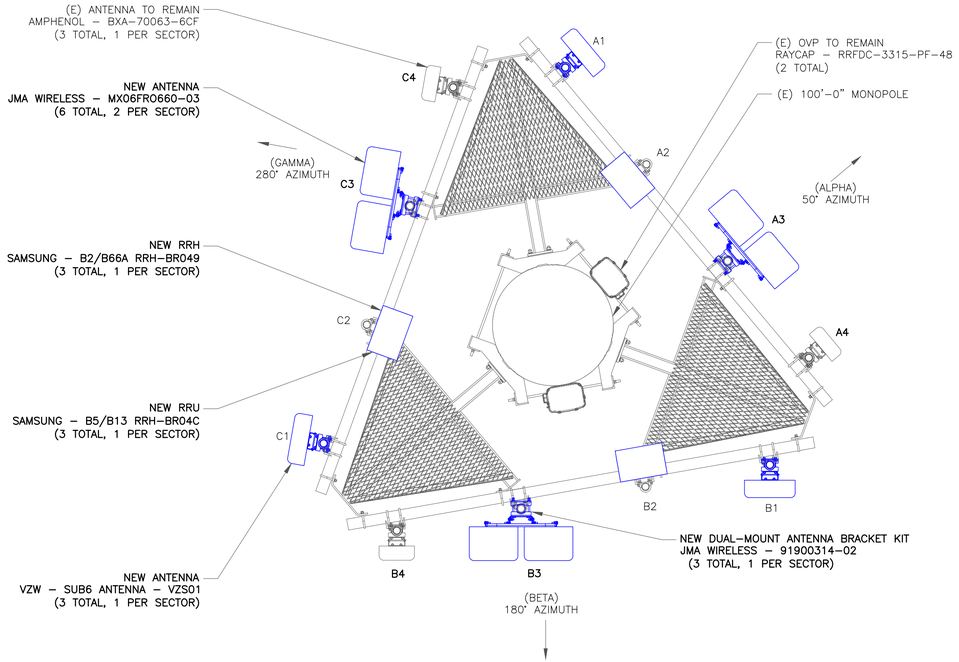

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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EXISTING 100'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER

8/25/2021

SHEET NUMBER: C-2

REVISION: 1

ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	VZW	SUB6 ANTENNA – VZS01	65'–0"	50°	0°	3°	SAMSUNG	(1) VZS01
A2	–	–	–	–	–	–	–	–	–
A3	NEW	JMA WIRELESS	MX06FRO660–03 MX06FRO660–03	65'–0"	50°	0°/0°/0°/0°	11°/11°/0°/0°	SAMSUNG	(1) B2/B66A RRH–BR049 (1) B5/B13 RRH–BR04C
A4	EXISTING	AMPHENOL	BXA–70063–6CF	65'–0"	50°	–	–	RAYCAP	RRFDC–3315–PF–48

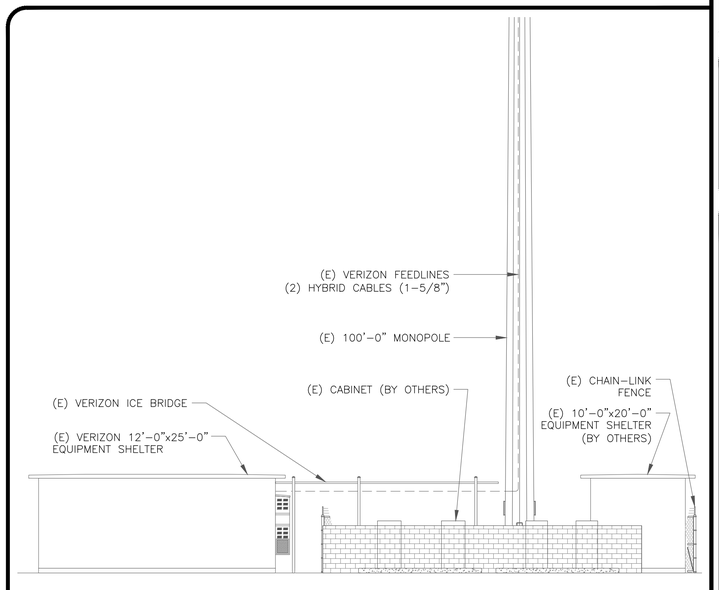
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
B1	NEW	VZW	SUB6 ANTENNA – VZS01	65'–0"	180	0°	3°	SAMSUNG	(1) VZS01
B2	–	–	–	–	–	–	–	–	–
B3	NEW	JMA WIRELESS	MX06FRO660–03 MX06FRO660–03	65'–0"	180	0°/0°/0°/0°	2°/2°/0°/0°	SAMSUNG	(1) B2/B66A RRH–BR049 (1) B5/B13 RRH–BR04C
B4	EXISTING	AMPHENOL	BXA–70063–6CF	65'–0"	180	–	–	RAYCAP	RRFDC–3315–PF–48

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
C1	NEW	VZW	SUB6 ANTENNA – VZS01	65'–0"	280	0°	3°	SAMSUNG	(1) VZS01
C2	–	–	–	–	–	–	–	–	–
C3	NEW	JMA WIRELESS	MX06FRO660–03 MX06FRO660–03	65'–0"	280	0°/0°/0°/0°	2°/2°/0°/0°	SAMSUNG	(1) B2/B66A RRH–BR049 (1) B5/B13 RRH–BR04C
C4	EXISTING	AMPHENOL	BXA–70063–6CF	65'–0"	280	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	1–5/8"	115'–0"±	2
–	–	–	–	–
TOTAL CABLE QTY:				2



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON SITE NUMBER:
469190

BU #: **842869**
MERIDEN WEST CENTRAL

450-478 WEST MAIN STREET
MERIDEN, CT 06451

EXISTING 100'-0" MONOPOLE

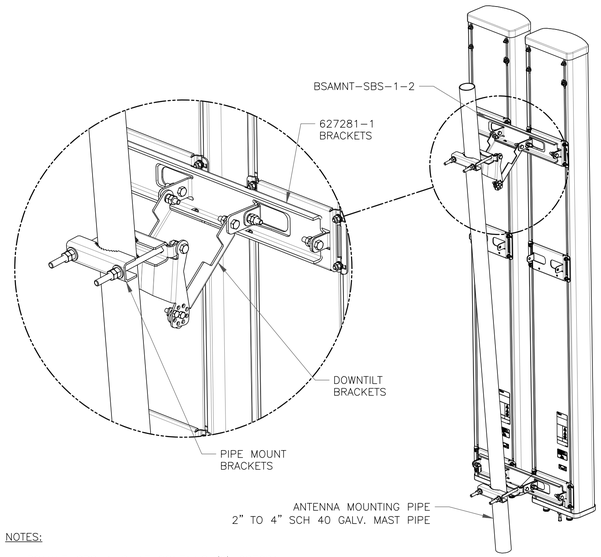
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/04/2021	RCD	FINAL CDs	NH
1	08/24/2021	CB	FINAL CDs	NH

STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER

8/25/2021

SHEET NUMBER: C-3
REVISION: 1

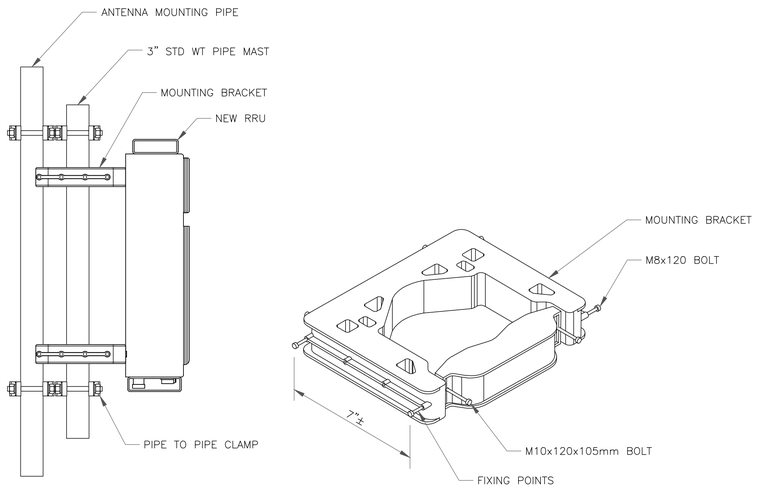


NOTES:

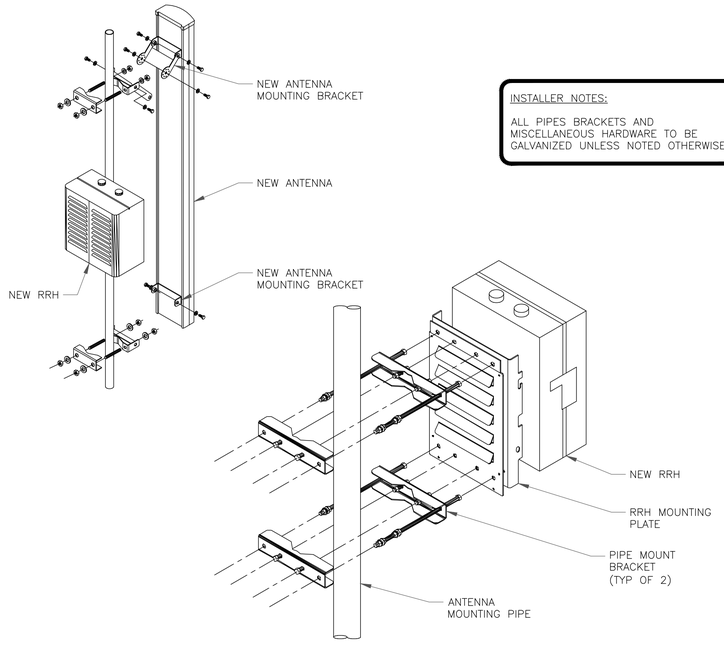
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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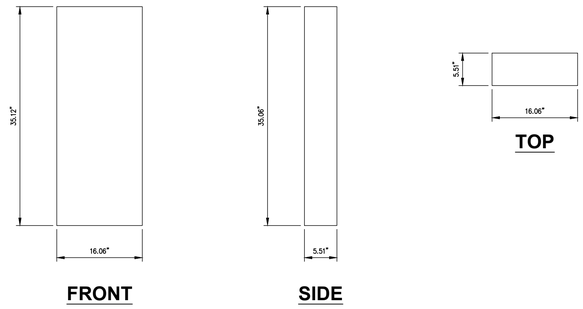
SHEET NUMBER: C-4

REVISION: 1

VZW PANEL ANTENNA (SUB6 ANTENNA – VZS01)

DIMENSIONS, HxWxD: 35.12"x16.06"x5.51"

WEIGHT, W/O BRACKETS: 87.10 lbs

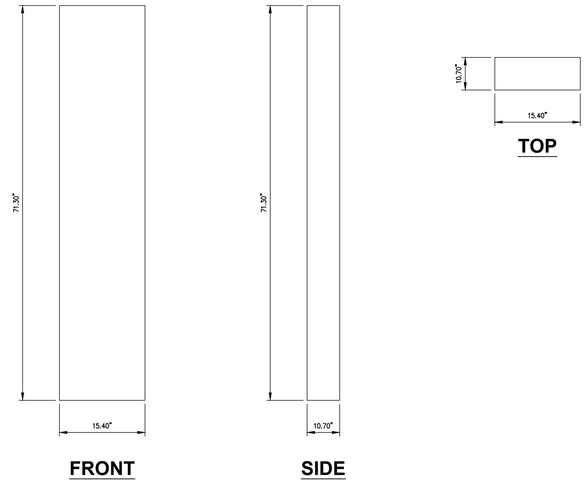


1 SAMSUNG SUB6 ANTENNA – VZS01 ANTENNA DETAIL
SCALE: NOT TO SCALE

JMA WIRELESS PANEL ANTENNA (MX06FRO660-03)

DIMENSIONS, HxWxD: 71.30"x15.40"x10.70"

WEIGHT, W/O BRACKETS: 87.10 lbs



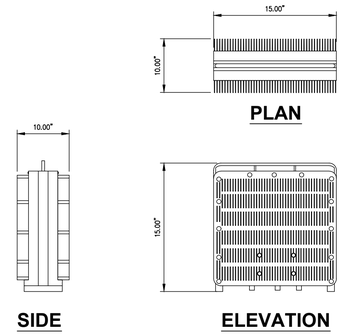
2 JMA WIRELESS – MX06FRO660-03 ANTENNA DETAIL
SCALE: NOT TO SCALE

SAMSUNG B2/B66A RRH-BR049 (RFV01U-D1A)

DIMENSIONS, WxDxH: 15.00" X 15.00" X 10.00"

TOTAL WEIGHT: 84.40 lbs

TEMPERATURE: -40° TO 55° C



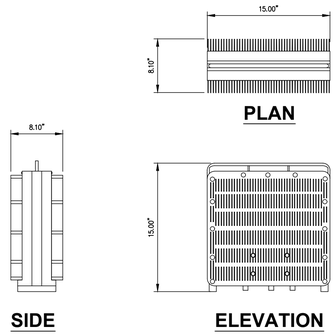
3 SAMSUNG B2/B66A RRH-BR049 RRH DETAIL
SCALE: NOT TO SCALE

SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A)

DIMENSIONS, WxDxH: 15.00" X 15.00" X 8.10"

TOTAL WEIGHT: 70.30 lbs

TEMPERATURE: -40° TO 55° C

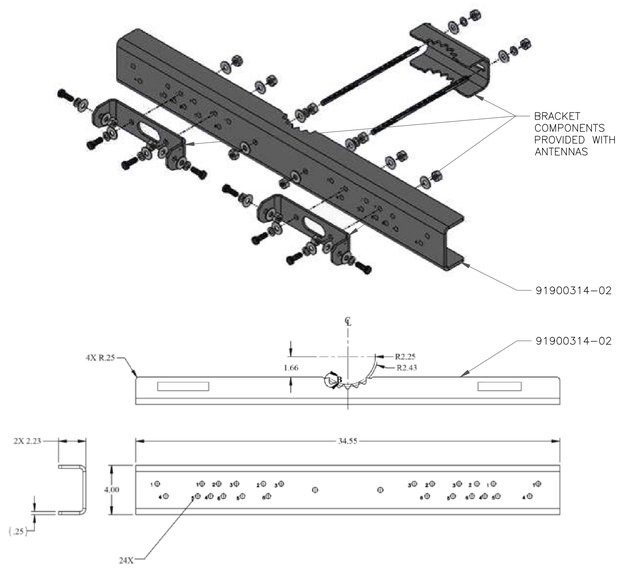


4 SAMSUNG B5/B13 RRH-BR04C DETAIL
SCALE: NOT TO SCALE

JMA WIRELESS DUAL-MOUNT ANTENNA BRACKET KIT (91900314-02)

DIMENSIONS, HxWxD: 4.00"x34.55"x2.23"

WEIGHT, W/O BRACKETS: 22.30 lbs



5 JMA WIRELESS DUAL-MOUNT ANTENNA BRACKET KIT DETAIL
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **842869**
MERIDEN WEST CENTRAL

450-478 WEST MAIN STREET
MERIDEN, CT 06451

EXISTING 100'-0" MONOPOLE

ISSUED FOR:

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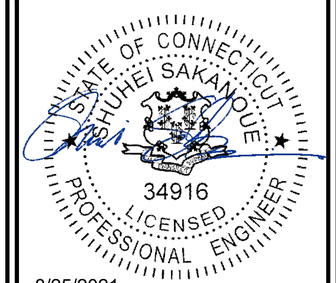
1	08/24/2021	CB	FINAL CDs	NH



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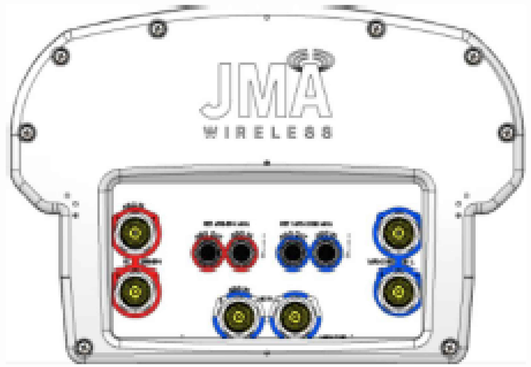
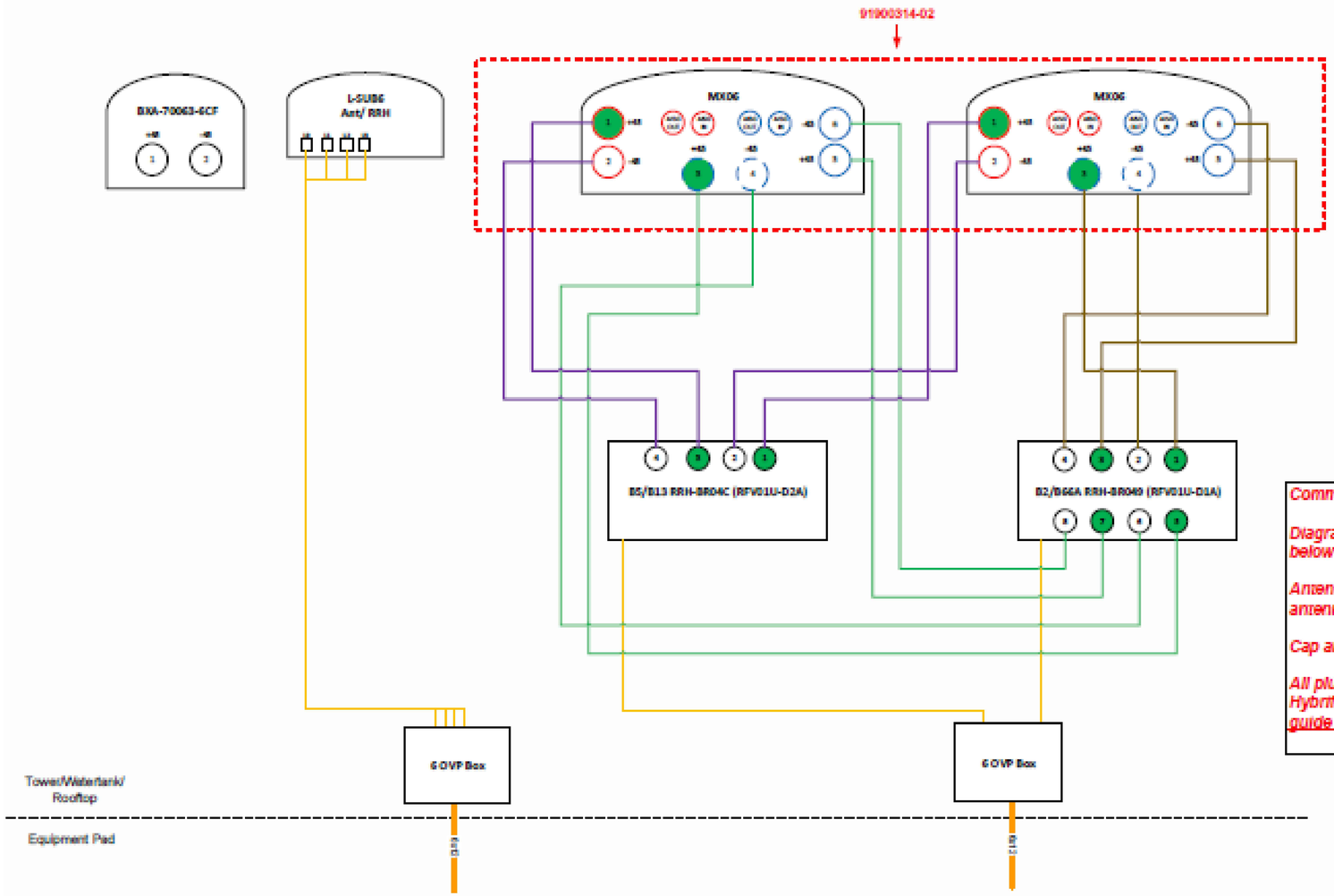
SHEET NUMBER: C-5

REVISION: 1



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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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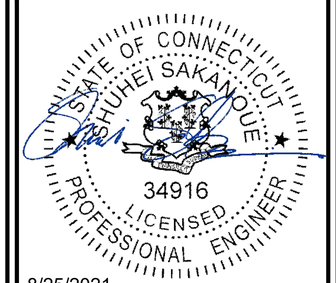
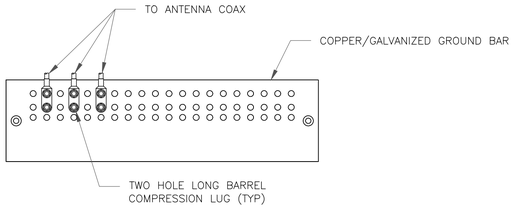


8/25/2021

SHEET NUMBER: C-6

REVISION: 1



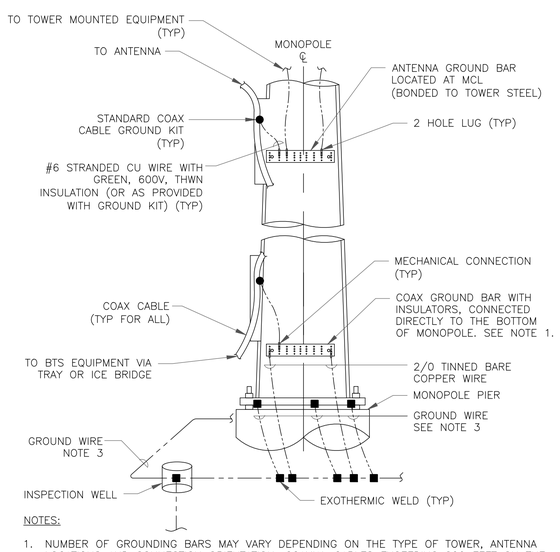
NOTES:

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

2 NOT USED
SCALE: NOT TO SCALE

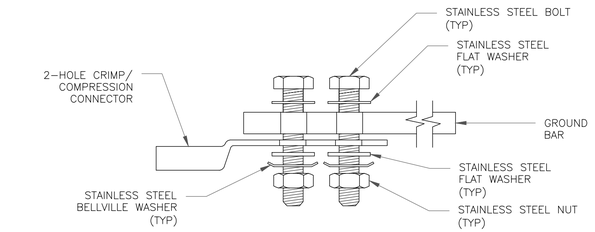
3 NOT USED
SCALE: NOT TO SCALE



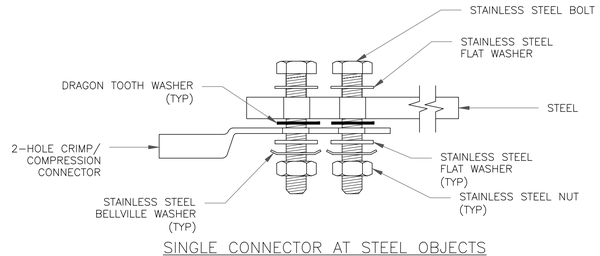
NOTES:

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.

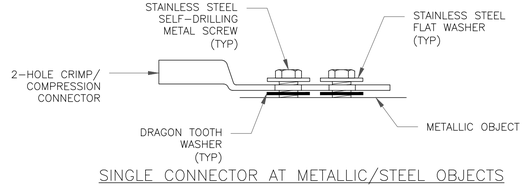
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



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

6 NOT USED
SCALE: NOT TO SCALE

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450-478 WEST MAIN STREET
MERIDEN, CT 06451

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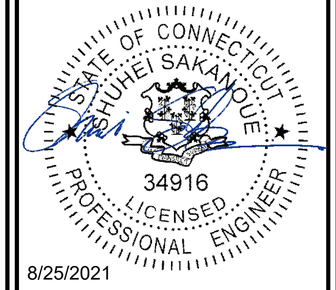
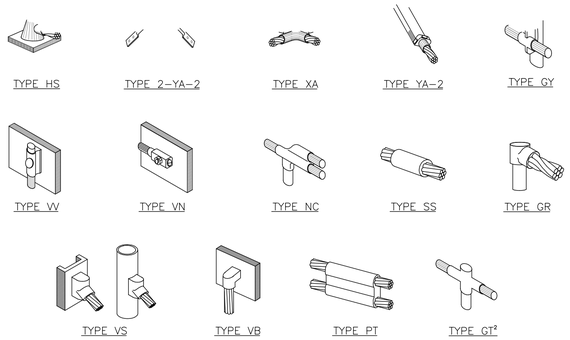
1	08/24/2021	CB	FINAL CDs	NH



8/25/2021

SHEET NUMBER: G-1

REVISION: 1

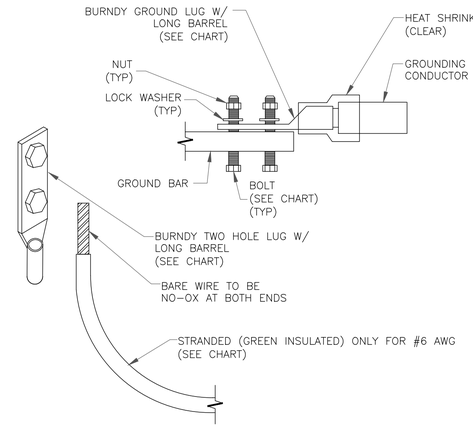


NOTE:

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

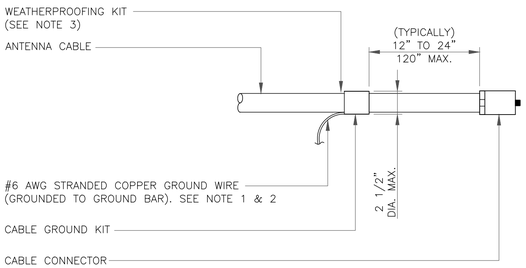
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" – 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" – 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" – 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" – 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" – 16 NC S 2 BOLT



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.

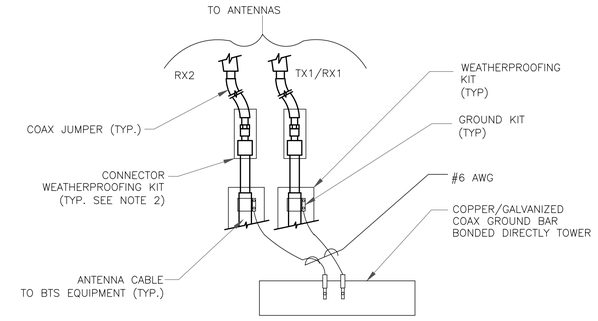
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

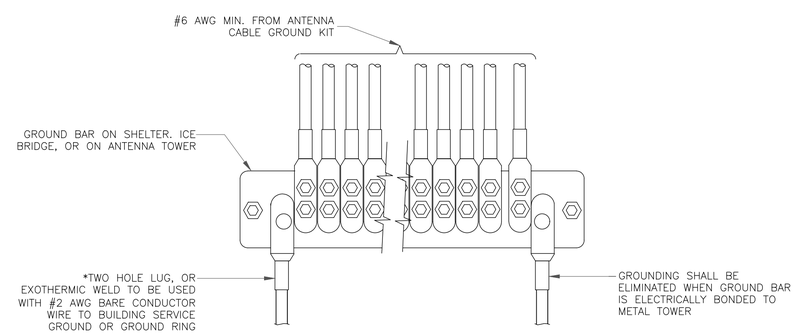
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



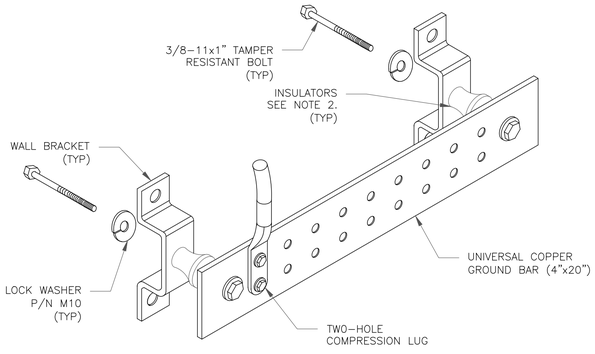
NOTES:

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



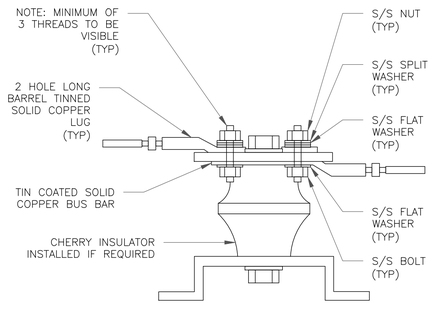
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



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 NOT USED
SCALE: NOT TO SCALE

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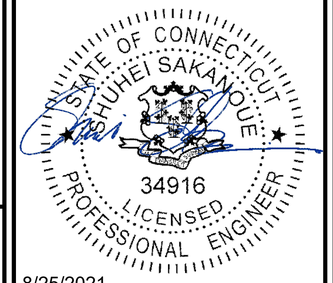


8/25/2021

SHEET NUMBER: G-2
REVISION: 1

Exhibit D

Structural Analysis Report

Date: **May 18, 2021**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	469190
	Site Name:	Meriden Hanover CT
Crown Castle Designation:	**BU Number:**	842869
	Site Name:	Meriden West Central
	JDE Job Number:	667191
	Work Order Number:	1962101
	Order Number:	568290 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	92699.006.01
Site Data:	**450-478 West Main Street, Meriden, New Haven County, CT** **Latitude *41° 32' 24.11"*, Longitude *-72° 49' 8.47"*** **100 Foot - Monopole Tower**	

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

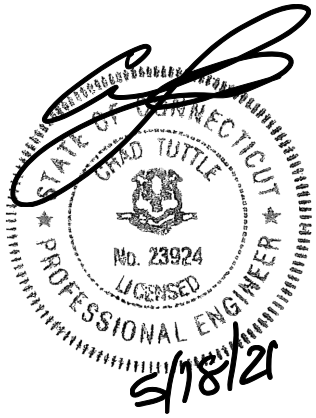
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity - 51.5%**

This analysis utilizes an ultimate 3-second gust wind speed of 125 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: Anne Delice

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



Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 100 ft. Monopole tower designed by Glen Martin Engineering, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
65.0	65.0	3	Antel	BXA-70063/6CF	2	1-5/8
		6	Jma Wireless	MX06FRO660-03		
		2	Rfs Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		1	--	Platform Mount [LP 304-1]		
		3	JMA Wireless	91900314-02 Dual Bracket		
		3	Vzw	Sub6 Antenna - VZS01		

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)
100.0	112.0	1	Decibel	ASP-3711	8 2 6 6	1/2 3/8 3/4 1-1/4
	106.0	3	Decibel	DB201-A		
		1	KMW Comm.	HB-X-AW-19-65-00T		
	103.0	3	Kathrein	80010965		
	100.0	3	CCI Antennas	DTMABP7819VG12A		
		3	CCI Antennas	OPA-65R-LCUU-H6		
		3	Ericsson	RRUS 11		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B66		
		3	Ericsson	RRUS 4478 B14		
		3	KMW Comm.	AM-X-CD-16-65-00T-RET		
		3	Quintel Tech.	QS66512-2		
		1	Raycap	DC6-48-60-0-8F		
		2	Raycap	DC6-48-60-18-8F		
		1	--	Platform Mount [LP 1302-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	97.0	4	Decibel	DB432-A		
86.0	90.0	3	Ericsson	AIR -32 B2A/B66AA	6 4	7/8 1-5/8
		3	Ericsson	AIR6449 B41		
		3	Ericsson	ERICSSON AIR 21 B2A B4P		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25		
		3	Rfs Celwave	APXVAARR24_43-U-NA20		
	86.0	1	--	Platform Mount [LP 305-1_HR-1]		
78.0	80.0	3	Alcatel Lucent	1900MHz RRH	--	--
		3	Alcatel Lucent	800 EXTERNAL NOTCH FILTER		
		3	Alcatel Lucent	TME-800MHZ RRH		
	78.0	1	--	Side Arm Mount [SO 104-3]		
76.0	79.0	3	Alcatel Lucent	TD-RRH8x20-25	3 1 1	1-1/4 3/4 5/8
		3	Rfs Celwave	APXVSPP18-C-A20		
		3	Rfs Celwave	APXVTM14-C-120		
	76.0	1	--	Platform Mount [LP 303-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	4713237	CCI Sites
Foundation Drawings	4529387	CCI Sites
Geotech Report	4529388	CCI Sites
Crown CAD Package	Date: 04/28/2021	CCI Sites

3.1) Analysis Method

tnxTower (version 8.0.9.0), 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.

3.2) Assumptions

1) Tower and structures were built in accordance with the manufacturer's specifications.
2) The tower and structures have been maintained in accordance with the manufacturer's specification.

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	100 - 47	Pole	TP40.72x28x0.313	1	-24.372	2386.104	28.6	Pass
L2	47 - 0	Pole	TP51.37x38.655x0.375	2	-39.116	3747.093	40.3	Pass
							Summary	
						Pole (L2)	40.3	Pass
						Rating =	40.3	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft.)	% Capacity	Pass / Fail
1	Anchor Rods	Base	33.2	Pass
1	Base Plate	Base	27.0	Pass
1	Base Foundation (Structure)	Base	19.8	Pass
1	Base Foundation (Soil Interaction)	Base	51.5	Pass

Structure Rating (max from all components) =	51.5%

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

4.1) Recommendations

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

APPENDIX A

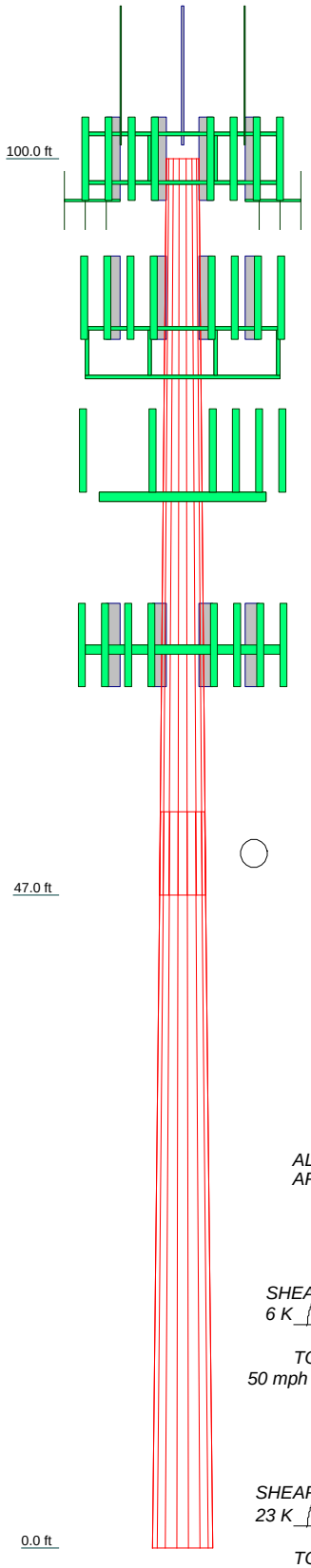
TNXTOWER OUTPUT

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 40.3%



ALL REACTIONS ARE FACTORED

AXIAL 65 K
SHEAR 6 K
MOMENT 423 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.500 in ICE

AXIAL 39 K
SHEAR 23 K
MOMENT 1721 kip-ft
TORQUE 0 kip-ft
REACTIONS - 125 mph WIND

Section	1	2
Length (ft)	53.000	53.000
Number of Sides	16	16
Thickness (in)	0.313	0.375
Socket Length (ft)	6.000	
Top Dia (in)	28.000	38.655
Bot Dia (in)	40.720	51.370
Grade	A572-65	
Weight (K)	6.1	9.6
		15.8

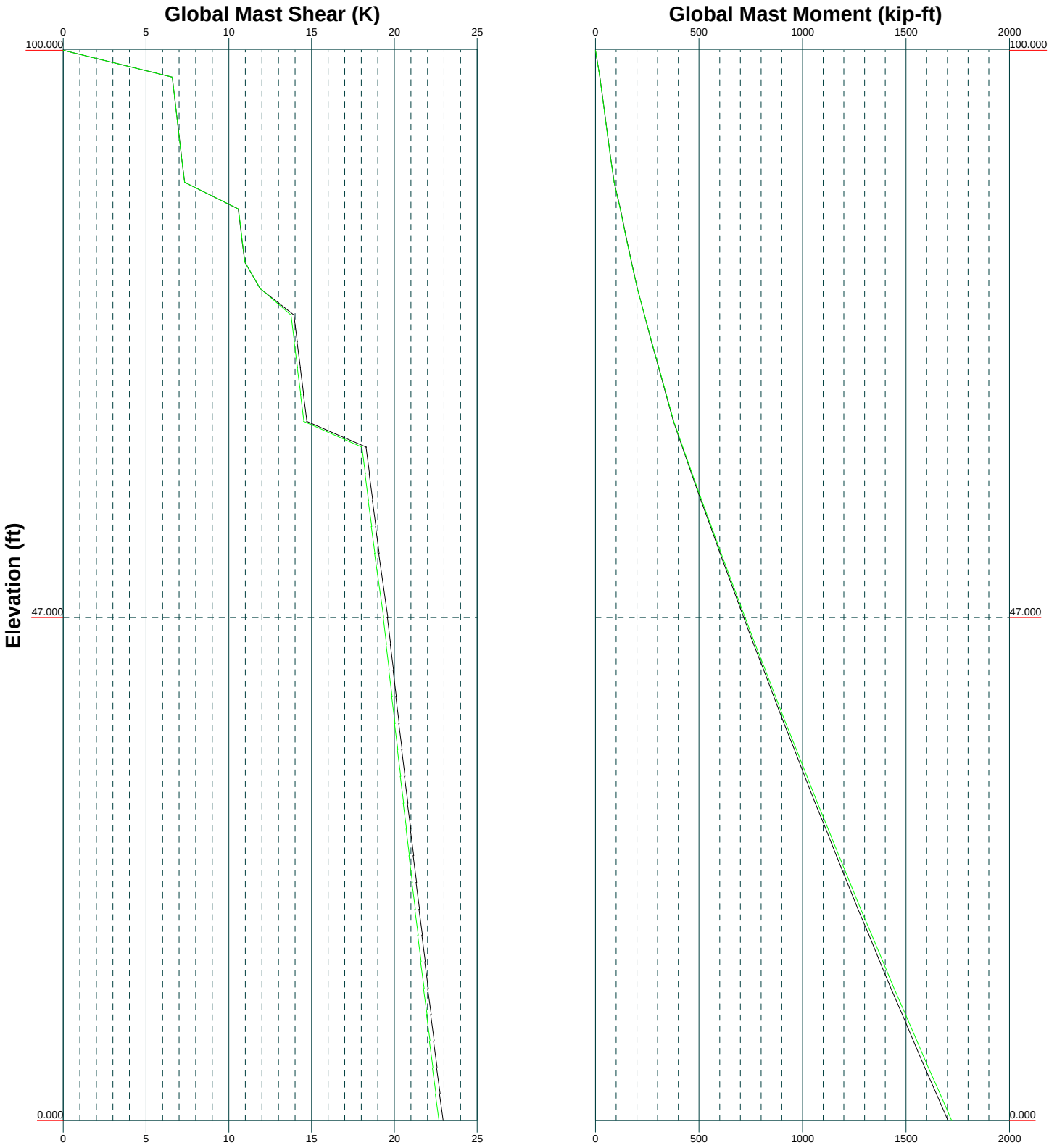
B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	***92699.006.01 - MERIDEN WEST CENTRAL, CT (BU# 84286***		
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-1	

TIA-222-H - 125 mph/50 mph 1.500 in Ice Exposure B

Maximum Values

Vx Vz Mx Mz



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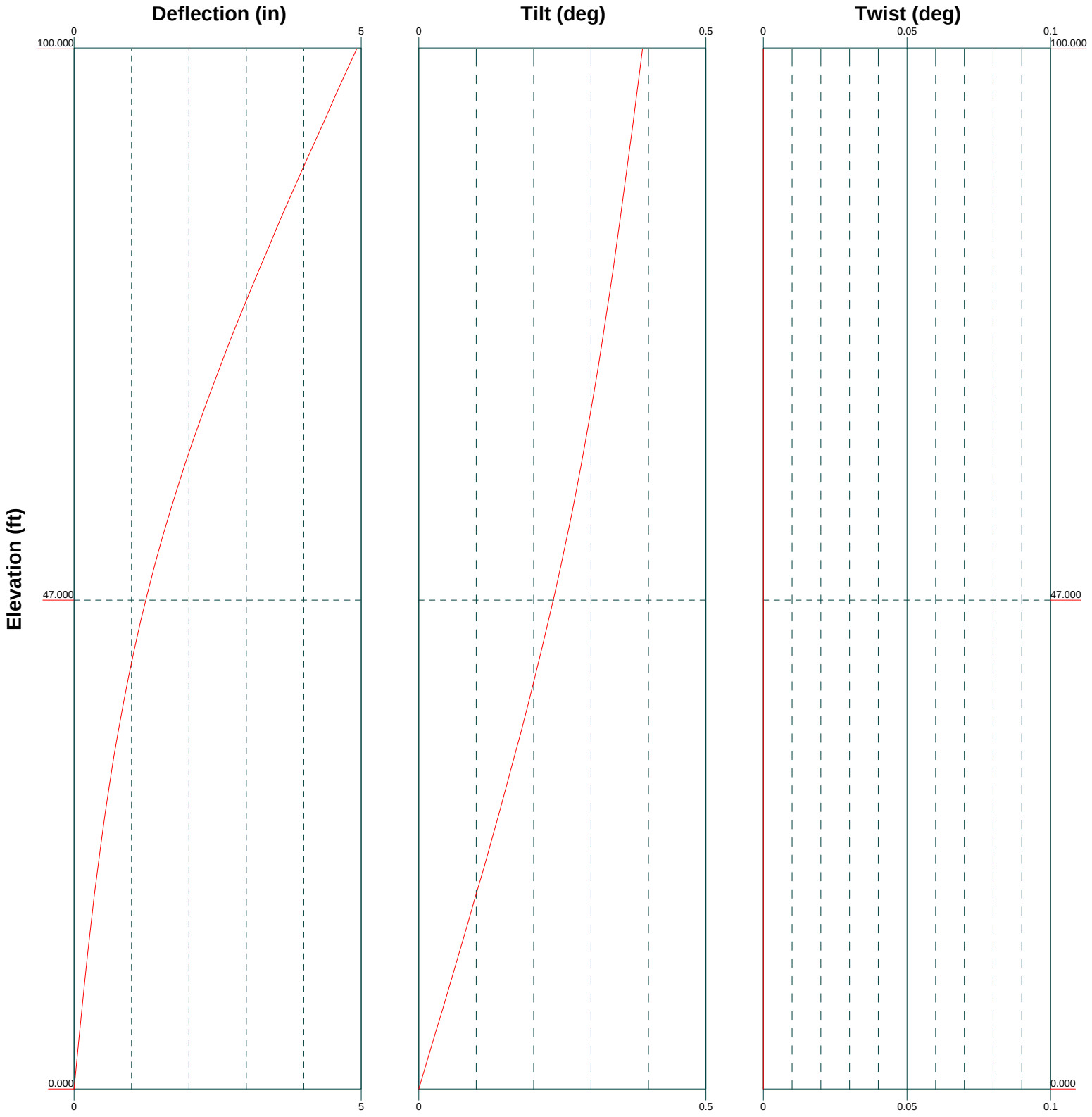
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



B+T GRP

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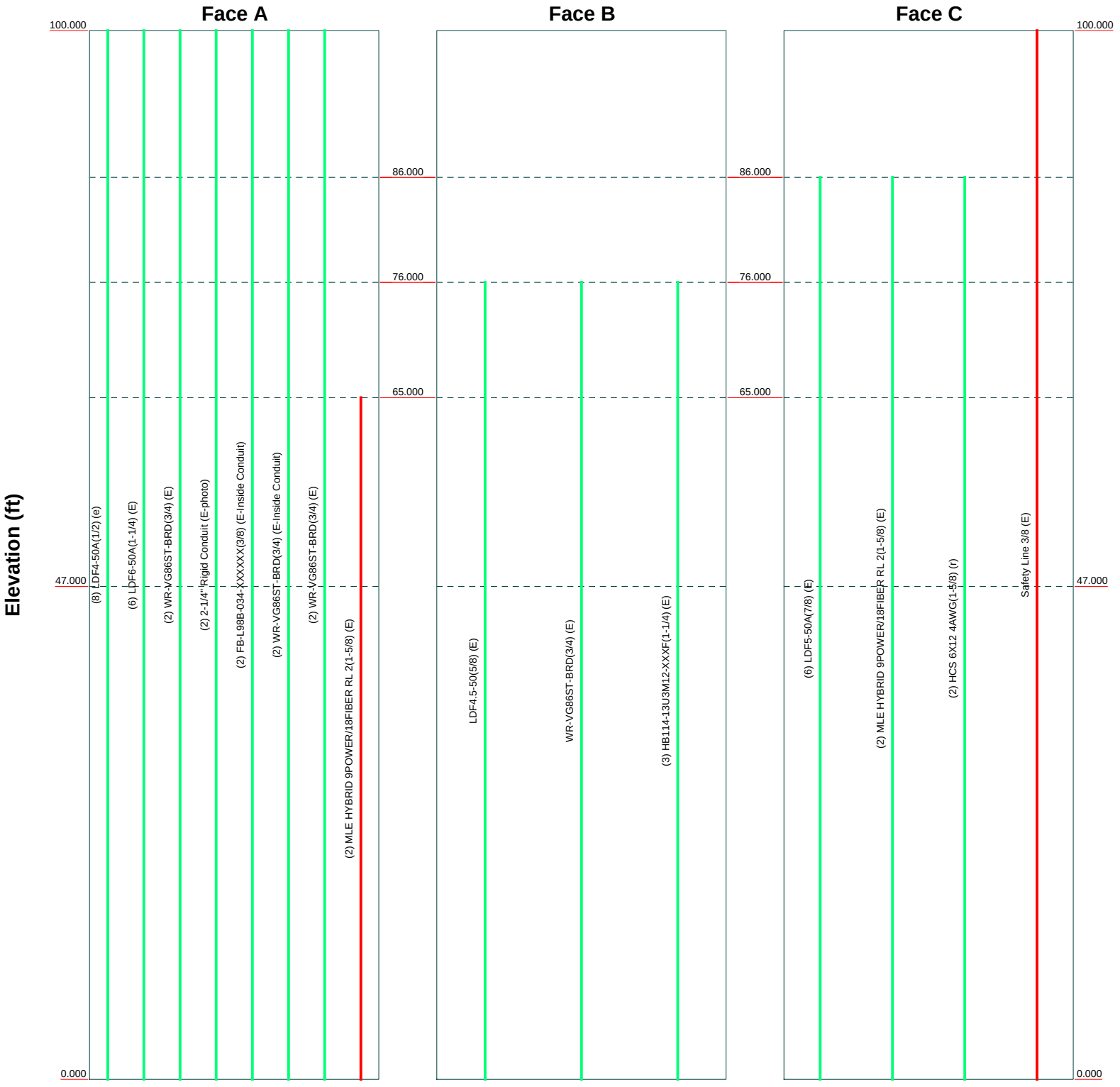
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	***92699.006.01 - MERIDEN WEST CENTRAL, CT (BU# 84286***		
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 100'

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



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Job: ***92699.006.01 - MERIDEN WEST CENTRAL, CT (BU# 84286***		
Project:		
Client: Crown Castle	Drawn by: Sudhanva	App'd:
Code: TIA-222-H	Date: 05/18/21	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 New Haven County, Connecticut.
Tower base elevation above sea level: 165.000 ft.
Basic wind speed of 125 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 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	100.000-47.000	53.000	6.000	16	28.000	40.720	0.313	1.250	A572-65 (65 ksi)
L2	47.000-0.000	53.000		16	38.655	51.370	0.375	1.500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	28.487	27.601	2673.045	9.857	14.280	187.188	5386.564	13.647	4.950	15.84
	41.457	40.281	8308.852	14.385	20.767	400.095	16743.510	19.917	7.481	23.94
L2	40.806	45.792	8477.194	13.628	19.714	430.008	17082.742	22.642	6.946	18.523
	52.303	61.003	20040.987	18.154	26.199	764.961	40385.419	30.163	9.476	25.27

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 100.000-47.000				1	1	1			
L2 47.000-0.000				1	1	1			

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
* MLE HYBRID 9POWER/18FIBER RL 2(1-5/8) (E) *	A	No	Surface Ar (CaAa)	65.000 - 0.000	2	2	-0.450 -0.350	1.625		0.001
Safety Line 3/8 (E) *	C	No	Surface Ar (CaAa)	100.000 - 0.000	1	1	0.250 0.250	0.375		0.000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF4-50A(1/2) (e)	A	No	No	Inside Pole	100.000 - 0.000	8	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF6-50A(1-1/4) (E)	A	No	No	Inside Pole	100.000 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
WR-VG86ST-BRD(3/4) (E)	A	No	No	Inside Pole	100.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
2-1/4" Rigid Conduit (E-photo)	A	No	No	Inside Pole	100.000 - 0.000	2	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
FB-L98B-034-XXXXXX(3/8) (E-Inside Conduit)	A	No	No	Inside Pole	100.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-VG86ST-BRD(3/4) (E-Inside Conduit)	A	No	No	Inside Pole	100.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
WR-VG86ST-BRD(3/4) (E) *	A	No	No	Inside Pole	100.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
LDF5-50A(7/8) (E)	C	No	No	Inside Pole	86.000 - 0.000	6	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8) (E)	C	No	No	Inside Pole	86.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HCS 6X12 4AWG(1-5/8) (r) *	C	No	No	Inside Pole	86.000 - 0.000	2	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
LDF4.5-50(5/8) (E)	B	No	No	Inside Pole	76.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-VG86ST-BRD(3/4) (E)	B	No	No	Inside Pole	76.000 - 0.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB114-13U3M12-XXXF(1-1/4) (E) *	B	No	No	Inside Pole	76.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001

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	100.000-47.000	A	0.000	0.000	5.850	0.000	0.802
		B	0.000	0.000	0.000	0.000	0.108
		C	0.000	0.000	1.987	0.000	0.360
L2	47.000-0.000	A	0.000	0.000	15.275	0.000	0.778
		B	0.000	0.000	0.000	0.000	0.174
		C	0.000	0.000	1.763	0.000	0.430

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	100.000-47.000	A	1.380	0.000	0.000	13.520	0.000	0.928
		B		0.000	0.000	0.000	0.000	0.108
		C		0.000	0.000	16.610	0.000	0.516
L2	47.000-0.000	A	1.229	0.000	0.000	35.303	0.000	1.108
		B		0.000	0.000	0.000	0.000	0.174
		C		0.000	0.000	14.730	0.000	0.569

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	100.000-47.000	-1.043	0.535	-1.678	1.391
L2	47.000-0.000	-2.369	0.956	-3.151	1.804

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	18	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	47.00 - 65.00	1.0000	1.0000
L1	20	Safety Line 3/8	47.00 - 100.00	1.0000	1.0000
L2	18	MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	0.00 - 47.00	1.0000	1.0000
L2	20	Safety Line 3/8	0.00 - 47.00	1.0000	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
Lightning Rod 1/2" x 8' (E-PHOTO)	C	From Leg	4.000 0.000 4.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.400 1.212 2.042 3.557	0.400 1.212 2.042 3.557	0.030 0.035 0.045 0.081
*									
HB-X-AW-19-65-00T (E)	A	From Leg	4.000 0.000 6.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.083 3.175 3.561 4.361	2.083 3.175 3.561 4.361	0.029 0.055 0.085 0.159
AM-X-CD-16-65-00T-RET (E)	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.690 5.150 5.610 6.570	2.340 2.770 3.200 4.100	0.049 0.095 0.148 0.272
AM-X-CD-16-65-00T-RET (E)	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.690 5.150 5.610 6.570	2.340 2.770 3.200 4.100	0.049 0.095 0.148 0.272
AM-X-CD-16-65-00T-RET (E)	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.690 5.150 5.610 6.570	2.340 2.770 3.200 4.100	0.049 0.095 0.148 0.272
OPA-65R-LCUU-H6 (E)	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.200 9.970 10.760 12.390	4.630 5.340 6.070 7.570	0.080 0.137 0.200 0.347
OPA-65R-LCUU-H6 (E)	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.200 9.970 10.760 12.390	4.630 5.340 6.070 7.570	0.080 0.137 0.200 0.347
OPA-65R-LCUU-H6 (E)	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.200 9.970 10.760 12.390	4.630 5.340 6.070 7.570	0.080 0.137 0.200 0.347
80010965 (E)	A	From Leg	4.000 0.000 3.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.230 13.000 13.790 15.410	4.210 4.880 5.570 6.990	0.109 0.185 0.269 0.458
80010965 (E)	B	From Leg	4.000 0.000 3.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.230 13.000 13.790 15.410	4.210 4.880 5.570 6.990	0.109 0.185 0.269 0.458
80010965 (E)	C	From Leg	4.000 0.000 3.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.230 13.000 13.790 15.410	4.210 4.880 5.570 6.990	0.109 0.185 0.269 0.458
QS66512-2 (E)	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.010 4.410 4.810 5.650	3.370 3.760 4.150 4.970	0.111 0.168 0.232 0.378

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
QS66512-2	B	From Leg	4.000	0.000	100.000	No Ice	4.010	3.370	0.111
(E)			0.000			1/2" Ice	4.410	3.760	0.168
			0.000			1" Ice	4.810	4.150	0.232
						2" Ice	5.650	4.970	0.378
QS66512-2	C	From Leg	4.000	0.000	100.000	No Ice	4.010	3.370	0.111
(E)			0.000			1/2" Ice	4.410	3.760	0.168
			0.000			1" Ice	4.810	4.150	0.232
						2" Ice	5.650	4.970	0.378
ASP-3711	A	From Leg	4.000	0.000	100.000	No Ice	1.300	1.300	0.013
(E)			0.000			1/2" Ice	2.340	2.340	0.017
			12.000			1" Ice	3.380	3.380	0.021
						2" Ice	5.460	5.460	0.029
DB201-A	A	From Leg	4.000	0.000	100.000	No Ice	1.100	1.100	0.025
(E)			0.000			1/2" Ice	1.980	1.980	0.033
			6.000			1" Ice	2.860	2.860	0.040
						2" Ice	4.620	4.620	0.055
DB201-A	B	From Leg	4.000	0.000	100.000	No Ice	1.100	1.100	0.025
(E)			0.000			1/2" Ice	1.980	1.980	0.033
			6.000			1" Ice	2.860	2.860	0.040
						2" Ice	4.620	4.620	0.055
DB201-A	C	From Leg	4.000	0.000	100.000	No Ice	1.100	1.100	0.025
(E)			0.000			1/2" Ice	1.980	1.980	0.033
			6.000			1" Ice	2.860	2.860	0.040
						2" Ice	4.620	4.620	0.055
(2) DB432-A	B	From Leg	4.000	0.000	100.000	No Ice	0.300	0.300	0.005
(E)			0.000			1/2" Ice	0.540	0.540	0.006
			-3.000			1" Ice	0.780	0.780	0.008
						2" Ice	1.260	1.260	0.011
(2) DB432-A	C	From Leg	4.000	0.000	100.000	No Ice	0.300	0.300	0.005
(E)			0.000			1/2" Ice	0.540	0.540	0.006
			-3.000			1" Ice	0.780	0.780	0.008
						2" Ice	1.260	1.260	0.011
DTMABP7819VG12A	A	From Leg	4.000	0.000	100.000	No Ice	0.976	0.339	0.019
(E)			0.000			1/2" Ice	1.100	0.419	0.026
			0.000			1" Ice	1.232	0.510	0.036
						2" Ice	1.517	0.714	0.060
DTMABP7819VG12A	B	From Leg	4.000	0.000	100.000	No Ice	0.976	0.339	0.019
(E)			0.000			1/2" Ice	1.100	0.419	0.026
			0.000			1" Ice	1.232	0.510	0.036
						2" Ice	1.517	0.714	0.060
DTMABP7819VG12A	C	From Leg	4.000	0.000	100.000	No Ice	0.976	0.339	0.019
(E)			0.000			1/2" Ice	1.100	0.419	0.026
			0.000			1" Ice	1.232	0.510	0.036
						2" Ice	1.517	0.714	0.060
RRUS 32	A	From Leg	4.000	0.000	100.000	No Ice	2.857	1.777	0.055
(E)			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	B	From Leg	4.000	0.000	100.000	No Ice	2.857	1.777	0.055
(E)			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	C	From Leg	4.000	0.000	100.000	No Ice	2.857	1.777	0.055
(E)			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 4478 B14	A	From Leg	4.000	0.000	100.000	No Ice	1.843	1.059	0.060

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(E)			0.000			1/2" Ice	2.012	1.197	0.076
			0.000			1" Ice	2.190	1.342	0.094
						2" Ice	2.566	1.656	0.140
RRUS 4478 B14	B	From Leg	4.000	0.000	100.000	No Ice	1.843	1.059	0.060
(E)			0.000			1/2" Ice	2.012	1.197	0.076
			0.000			1" Ice	2.190	1.342	0.094
						2" Ice	2.566	1.656	0.140
RRUS 4478 B14	C	From Leg	4.000	0.000	100.000	No Ice	1.843	1.059	0.060
(E)			0.000			1/2" Ice	2.012	1.197	0.076
			0.000			1" Ice	2.190	1.342	0.094
						2" Ice	2.566	1.656	0.140
RRUS 32 B66	A	From Leg	4.000	0.000	100.000	No Ice	2.743	1.668	0.053
(E)			0.000			1/2" Ice	2.965	1.855	0.074
			0.000			1" Ice	3.194	2.049	0.098
						2" Ice	3.675	2.458	0.157
RRUS 32 B66	B	From Leg	4.000	0.000	100.000	No Ice	2.743	1.668	0.053
(E)			0.000			1/2" Ice	2.965	1.855	0.074
			0.000			1" Ice	3.194	2.049	0.098
						2" Ice	3.675	2.458	0.157
RRUS 32 B66	C	From Leg	4.000	0.000	100.000	No Ice	2.743	1.668	0.053
(E)			0.000			1/2" Ice	2.965	1.855	0.074
			0.000			1" Ice	3.194	2.049	0.098
						2" Ice	3.675	2.458	0.157
RRUS 11	A	From Leg	4.000	0.000	100.000	No Ice	2.784	1.187	0.048
(E)			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS 11	B	From Leg	4.000	0.000	100.000	No Ice	2.784	1.187	0.048
(E)			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS 11	C	From Leg	4.000	0.000	100.000	No Ice	2.784	1.187	0.048
(E)			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS 32 B2	A	From Leg	4.000	0.000	100.000	No Ice	2.731	1.668	0.053
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	B	From Leg	4.000	0.000	100.000	No Ice	2.731	1.668	0.053
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	C	From Leg	4.000	0.000	100.000	No Ice	2.731	1.668	0.053
(E)			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
(2) DC6-48-60-18-8F	A	From Leg	4.000	0.000	100.000	No Ice	1.212	1.212	0.033
(E)			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
DC6-48-60-0-8F	A	From Leg	4.000	0.000	100.000	No Ice	0.917	0.917	0.033
(E)			0.000			1/2" Ice	1.458	1.458	0.051
			0.000			1" Ice	1.643	1.643	0.071
						2" Ice	2.042	2.042	0.119
Platform Mount [LP 1302-1]	C	None		0.000	100.000	No Ice	56.400	56.400	2.413
(E-4MP Per Sector / 14' Per						1/2" Ice	67.500	67.500	3.131

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
TIA and Kicker)						1" Ice	78.600	78.600	3.849
						2" Ice	100.800	100.800	5.285
*									
ERICSSON AIR 21 B2A	A	From Leg	4.000	0.000	86.000	No Ice	3.140	2.590	0.112
B4P w/ Mount Pipe			0.000			1/2" Ice	3.450	2.880	0.164
(E)			4.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
ERICSSON AIR 21 B2A	B	From Leg	4.000	0.000	86.000	No Ice	3.140	2.590	0.112
B4P w/ Mount Pipe			0.000			1/2" Ice	3.450	2.880	0.164
(E)			4.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
ERICSSON AIR 21 B2A	C	From Leg	4.000	0.000	86.000	No Ice	3.140	2.590	0.112
B4P w/ Mount Pipe			0.000			1/2" Ice	3.450	2.880	0.164
(E)			4.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
AIR -32 B2A/B66AA w/	A	From Leg	4.000	0.000	86.000	No Ice	3.760	3.150	0.194
Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
(E)			4.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR -32 B2A/B66AA w/	B	From Leg	4.000	0.000	86.000	No Ice	3.760	3.150	0.194
Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
(E)			4.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR -32 B2A/B66AA w/	C	From Leg	4.000	0.000	86.000	No Ice	3.760	3.150	0.194
Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
(E)			4.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
(3) KRY 112 144/1	A	From Leg	4.000	0.000	86.000	No Ice	0.350	0.175	0.011
(E)			0.000			1/2" Ice	0.426	0.234	0.014
			4.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	5.180	2.720	0.118
(R)			0.000			1/2" Ice	5.590	3.050	0.164
			4.000			1" Ice	6.010	3.390	0.216
						2" Ice	6.900	4.130	0.344
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	5.180	2.720	0.118
(R)			0.000			1/2" Ice	5.590	3.050	0.164
			4.000			1" Ice	6.010	3.390	0.216
						2" Ice	6.900	4.130	0.344
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	5.180	2.720	0.118
(R)			0.000			1/2" Ice	5.590	3.050	0.164
			4.000			1" Ice	6.010	3.390	0.216
						2" Ice	6.900	4.130	0.344
APXVAARR24_43-U-NA20	A	From Leg	4.000	0.000	86.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(R)			4.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20	B	From Leg	4.000	0.000	86.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(R)			4.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20	C	From Leg	4.000	0.000	86.000	No Ice	14.690	6.870	0.186
w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.315
(R)			4.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
RRUS 4415 B25	A	From Leg	4.000	0.000	86.000	No Ice	1.644	0.679	0.044
(R)			0.000			1/2" Ice	1.804	0.791	0.056

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
			4.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
RRUS 4415 B25 (R)	B	From Leg	4.000 0.000 4.000	0.000	86.000	No Ice 1/2" Ice 1" Ice	1.644 1.804 1.972	0.679 0.791 0.913	0.044 0.056 0.071
						2" Ice	2.329	1.183	0.109
RRUS 4415 B25 (R)	C	From Leg	4.000 0.000 4.000	0.000	86.000	No Ice 1/2" Ice 1" Ice	1.644 1.804 1.972	0.679 0.791 0.913	0.044 0.056 0.071
						2" Ice	2.329	1.183	0.109
RADIO 4449 B71 B85A_T-MOBILE (R)	A	From Leg	4.000 0.000 4.000	0.000	86.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE (R)	B	From Leg	4.000 0.000 4.000	0.000	86.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE (R)	C	From Leg	4.000 0.000 4.000	0.000	86.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
						2" Ice	2.721	2.280	0.170
Platform Mount [LP 305-1_HR-1] (R-12.5' Per MA)	C	None		0.000	86.000	No Ice 1/2" Ice 1" Ice	19.590 24.480 29.240	19.590 24.480 29.240	1.366 1.782 2.286
*						2" Ice	38.490	38.490	3.562
TME-800MHZ RRH (E-CL Per Photos)	A	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.134 2.320 2.512	1.773 1.946 2.127	0.053 0.074 0.098
						2" Ice	2.920	2.510	0.157
TME-800MHZ RRH (E-CL Per Photos)	B	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.134 2.320 2.512	1.773 1.946 2.127	0.053 0.074 0.098
						2" Ice	2.920	2.510	0.157
TME-800MHZ RRH (E-CL Per Photos)	C	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.134 2.320 2.512	1.773 1.946 2.127	0.053 0.074 0.098
						2" Ice	2.920	2.510	0.157
1900MHz RRH (E-CL Per Photos)	A	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.492 2.695 2.906	3.258 3.484 3.718	0.044 0.075 0.110
						2" Ice	3.351	4.206	0.192
1900MHz RRH (E-CL Per Photos)	B	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.492 2.695 2.906	3.258 3.484 3.718	0.044 0.075 0.110
						2" Ice	3.351	4.206	0.192
1900MHz RRH (E-CL Per Photos)	C	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	2.492 2.695 2.906	3.258 3.484 3.718	0.044 0.075 0.110
						2" Ice	3.351	4.206	0.192
800 EXTERNAL NOTCH FILTER (E-CL Per Photos)	A	From Leg	2.000 0.000 2.000	0.000	78.000	No Ice 1/2" Ice 1" Ice	0.660 0.763 0.873	0.321 0.398 0.483	0.011 0.017 0.024
						2" Ice	1.115	0.674	0.045
800 EXTERNAL NOTCH FILTER	B	From Leg	2.000 0.000	0.000	78.000	No Ice 1/2" Ice	0.660 0.763	0.321 0.398	0.011 0.017

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
(E-CL Per Photos)			2.000			1" Ice	0.873	0.483	0.024
						2" Ice	1.115	0.674	0.045
800 EXTERNAL NOTCH FILTER	C	From Leg	2.000	0.000	78.000	No Ice	0.660	0.321	0.011
			0.000			1/2" Ice	0.763	0.398	0.017
(E-CL Per Photos)			2.000			1" Ice	0.873	0.483	0.024
						2" Ice	1.115	0.674	0.045
5' x 4" Std. Pipe	A	From Leg	2.000	0.000	78.000	No Ice	1.606	1.606	0.054
(E-Per Photos)			0.000			1/2" Ice	2.076	2.076	0.070
			2.000			1" Ice	2.397	2.397	0.090
						2" Ice	3.067	3.067	0.141
5' x 4" Std. Pipe	B	From Leg	2.000	0.000	78.000	No Ice	1.606	1.606	0.054
(E-Per Photos)			0.000			1/2" Ice	2.076	2.076	0.070
			2.000			1" Ice	2.397	2.397	0.090
						2" Ice	3.067	3.067	0.141
5' x 4" Std. Pipe	C	From Leg	2.000	0.000	78.000	No Ice	1.606	1.606	0.054
(E-Per Photos)			0.000			1/2" Ice	2.076	2.076	0.070
			2.000			1" Ice	2.397	2.397	0.090
						2" Ice	3.067	3.067	0.141
Side Arm Mount [SO 104-3]	C	None		0.000	78.000	No Ice	2.620	2.620	0.288
(E)						1/2" Ice	3.300	3.300	0.408
						1" Ice	3.980	3.980	0.528
						2" Ice	5.350	5.350	0.768
*									
(2) APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	76.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
(E)			3.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	76.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
(E)			3.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
(2) APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.000	0.000	76.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
(E)			3.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.000	0.000	76.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
(E)			3.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
(2) TD-RRH8x20-25	B	From Leg	4.000	0.000	76.000	No Ice	4.045	1.535	0.070
(E)			0.000			1/2" Ice	4.298	1.714	0.097
			3.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
TD-RRH8x20-25	C	From Leg	4.000	0.000	76.000	No Ice	4.045	1.535	0.070
(E)			0.000			1/2" Ice	4.298	1.714	0.097
			3.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
(4) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	76.000	No Ice	1.425	1.425	0.022
(E-Empty)			0.000			1/2" Ice	1.925	1.925	0.033
			2.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
(2) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	76.000	No Ice	1.425	1.425	0.022
(E-Empty)			0.000			1/2" Ice	1.925	1.925	0.033
			2.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
Platform Mount [LP 303-1]	C	None		0.000	76.000	No Ice	14.690	14.690	1.250
(E-12' Per TIA)						1/2" Ice	18.010	18.010	1.569

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
						1" Ice	21.340	21.340	1.942
						2" Ice	28.080	28.080	2.852
*									
BXA-70063/6CF w/ Mount Pipe (E)	A	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.340 8.080 8.830 10.380	5.510 6.220 6.940 8.440	0.058 0.115 0.183 0.351
BXA-70063/6CF w/ Mount Pipe (E)	B	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.340 8.080 8.830 10.380	5.510 6.220 6.940 8.440	0.058 0.115 0.183 0.351
BXA-70063/6CF w/ Mount Pipe (E)	C	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.340 8.080 8.830 10.380	5.510 6.220 6.940 8.440	0.058 0.115 0.183 0.351
(2) DB-T1-6Z-8AB-0Z (E)	C	From Leg	1.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.800 5.070 5.348 5.926	2.000 2.193 2.393 2.815	0.044 0.080 0.120 0.213
MX06FRO660-03 (P)	A	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.810 7.370 7.930 9.110	4.670 5.190 5.730 6.850	0.078 0.147 0.222 0.393
MX06FRO660-03 (P)	B	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.810 7.370 7.930 9.110	4.670 5.190 5.730 6.850	0.078 0.147 0.222 0.393
MX06FRO660-03 (P)	C	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.810 7.370 7.930 9.110	4.670 5.190 5.730 6.850	0.078 0.147 0.222 0.393
MX06FRO660-03 w/ Mount Pipe (P)	A	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
MX06FRO660-03 w/ Mount Pipe (P)	B	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
MX06FRO660-03 w/ Mount Pipe (P)	C	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
Sub6 Antenna - VZS01 w/ Mount Pipe (P)	A	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe (P)	B	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe (P)	C	From Leg	4.000 0.000 0.000	0.000	65.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
RFV01U-D1A (P)	A	From Leg	4.000 0.000	0.000	65.000	No Ice 1/2" Ice	1.875 2.045	1.250 1.393	0.084 0.103

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	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000	0.000	65.000	No Ice	1.875	1.250	0.084
(P)			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000	0.000	65.000	No Ice	1.875	1.250	0.084
(P)			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000	0.000	65.000	No Ice	1.875	1.013	0.070
(P)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	65.000	No Ice	1.875	1.013	0.070
(P)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	65.000	No Ice	1.875	1.013	0.070
(P)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
8' x 2" Mount Pipe	A	From Leg	4.000	0.000	65.000	No Ice	1.900	1.900	0.029
(e)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	65.000	No Ice	1.900	1.900	0.029
(e)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	65.000	No Ice	1.900	1.900	0.029
(e)			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) Side Arm Mount [SO 102-3]	C	None		0.000	65.000	No Ice	3.600	3.600	0.075
(P)						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
Platform Mount [LP 304-1]	C	None		0.000	65.000	No Ice	17.490	17.490	1.349
(E-14' Per TIA)						1/2" Ice	21.370	21.370	1.709
						1" Ice	25.280	25.280	2.131
						2" Ice	33.170	33.170	3.164
*									

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

Comb. No.	Description
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	100 - 47	Pole	Max Tension	26	0.000	0.000	0.000
			Max. Compression	26	-46.404	-1.687	-2.980
			Max. Mx	8	-24.372	-606.949	-1.763
			Max. My	14	-24.382	-1.302	-601.970
			Max. Vy	8	19.080	-606.949	-1.763
			Max. Vx	14	18.824	-1.302	-601.970

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	8			1.271
L2	47 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.421	-0.888	-2.837
			Max. Mx	8	-39.116	-1721.187	-1.038
			Max. My	14	-39.116	-0.454	-1702.846
			Max. Vy	8	22.946	-1721.187	-1.038
			Max. Vx	14	22.695	-0.454	-1702.846
			Max. Torque	17			0.470

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	31	65.421	-4.850	-2.778
	Max. H_x	20	39.128	22.926	-0.012
	Max. H_z	2	39.128	-0.012	22.675
	Max. M_x	2	1700.742	-0.012	22.675
	Max. M_z	8	1721.187	-22.926	0.012
	Max. Torsion	17	0.470	11.473	-19.643
	Min. Vert	25	29.346	11.452	19.631
	Min. H_x	8	39.128	-22.926	0.012
	Min. H_z	14	39.128	0.012	-22.675
	Min. M_x	14	-1702.846	0.012	-22.675
	Min. M_z	20	-1720.249	22.926	-0.012
	Min. Torsion	5	-0.468	-11.473	19.643

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	32.607	0.000	0.000	0.848	-0.374	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	39.128	0.012	-22.675	-1700.742	-0.483	0.435
0.9 Dead+1.0 Wind 0 deg - No Ice	29.346	0.012	-22.675	-1691.941	-0.365	0.438
1.2 Dead+1.0 Wind 30 deg - No Ice	39.128	11.473	-19.643	-1472.751	-860.843	0.460
0.9 Dead+1.0 Wind 30 deg - No Ice	29.346	11.473	-19.643	-1465.167	-856.142	0.468
1.2 Dead+1.0 Wind 60 deg - No Ice	39.128	19.860	-11.348	-849.855	-1490.664	0.363
0.9 Dead+1.0 Wind 60 deg - No Ice	29.346	19.860	-11.348	-845.593	-1482.607	0.373
1.2 Dead+1.0 Wind 90 deg - No Ice	39.128	22.926	-0.012	1.038	-1721.187	0.170
0.9 Dead+1.0 Wind 90 deg - No Ice	29.346	22.926	-0.012	0.765	-1711.902	0.179
1.2 Dead+1.0 Wind 120 deg - No Ice	39.128	19.848	11.327	851.935	-1490.648	-0.068
0.9 Dead+1.0 Wind 120 deg - No Ice	29.346	19.848	11.327	847.127	-1482.589	-0.062

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
1.2 Dead+1.0 Wind 150 deg - No Ice	39.128	11.452	19.631	1474.841	-860.817	-0.289
0.9 Dead+1.0 Wind 150 deg - No Ice	29.346	11.452	19.631	1466.714	-856.111	-0.288
1.2 Dead+1.0 Wind 180 deg - No Ice	39.128	-0.012	22.675	1702.846	-0.454	-0.433
0.9 Dead+1.0 Wind 180 deg - No Ice	29.346	-0.012	22.675	1693.506	-0.330	-0.437
1.2 Dead+1.0 Wind 210 deg - No Ice	39.128	-11.473	19.643	1474.856	859.905	-0.463
0.9 Dead+1.0 Wind 210 deg - No Ice	29.346	-11.473	19.643	1466.732	855.447	-0.470
1.2 Dead+1.0 Wind 240 deg - No Ice	39.128	-19.860	11.348	851.960	1489.725	-0.367
0.9 Dead+1.0 Wind 240 deg - No Ice	29.346	-19.860	11.348	847.158	1481.912	-0.376
1.2 Dead+1.0 Wind 270 deg - No Ice	39.128	-22.926	0.012	1.068	1720.249	-0.172
0.9 Dead+1.0 Wind 270 deg - No Ice	29.346	-22.926	0.012	0.801	1711.206	-0.180
1.2 Dead+1.0 Wind 300 deg - No Ice	39.128	-19.848	-11.327	-849.829	1489.711	0.070
0.9 Dead+1.0 Wind 300 deg - No Ice	29.346	-19.848	-11.327	-845.561	1481.894	0.065
1.2 Dead+1.0 Wind 330 deg - No Ice	39.128	-11.452	-19.631	-1472.736	859.880	0.292
0.9 Dead+1.0 Wind 330 deg - No Ice	29.346	-11.452	-19.631	-1465.149	855.416	0.291
1.2 Dead+1.0 Ice+1.0 Temp	65.421	0.000	0.000	2.837	-0.888	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	65.421	0.002	-5.560	-415.275	-0.963	-0.001
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	65.421	2.803	-4.816	-359.245	-211.706	-0.080
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	65.421	4.853	-2.782	-206.159	-365.978	-0.137
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	65.421	5.602	-0.002	2.963	-422.443	-0.158
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	65.421	4.850	2.778	212.086	-365.970	-0.136
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	65.421	2.799	4.814	365.178	-211.692	-0.078
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	65.421	-0.002	5.560	421.216	-0.946	0.001
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	65.421	-2.803	4.816	365.186	209.797	0.080
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	65.421	-4.853	2.782	212.101	364.069	0.137
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	65.421	-5.602	0.002	2.979	420.534	0.157
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	65.421	-4.850	-2.778	-206.145	364.061	0.136
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	65.421	-2.799	-4.814	-359.237	209.783	0.078
Dead+Wind 0 deg - Service	32.607	0.003	-4.934	-368.558	-0.392	0.095
Dead+Wind 30 deg - Service	32.607	2.497	-4.275	-319.065	-187.154	0.073
Dead+Wind 60 deg - Service	32.607	4.322	-2.469	-183.845	-323.873	0.031
Dead+Wind 90 deg - Service	32.607	4.989	-0.003	0.870	-373.914	-0.018
Dead+Wind 120 deg - Service	32.607	4.319	2.465	185.585	-323.869	-0.063
Dead+Wind 150 deg - Service	32.607	2.492	4.272	320.808	-187.148	-0.091
Dead+Wind 180 deg - Service	32.607	-0.003	4.934	370.304	-0.385	-0.095
Dead+Wind 210 deg - Service	32.607	-2.497	4.275	320.811	186.377	-0.073

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 240 deg - Service	32.607	-4.322	2.469	185.592	323.096	-0.032
Dead+Wind 270 deg - Service	32.607	-4.989	0.003	0.877	373.137	0.018
Dead+Wind 300 deg - Service	32.607	-4.319	-2.465	-183.839	323.092	0.063
Dead+Wind 330 deg - Service	32.607	-2.492	-4.272	-319.062	186.371	0.091

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	-32.607	0.000	0.000	32.607	0.000	0.000%
2	0.012	-39.128	-22.675	-0.012	39.128	22.675	0.000%
3	0.012	-29.346	-22.675	-0.012	29.346	22.675	0.000%
4	11.473	-39.128	-19.643	-11.473	39.128	19.643	0.000%
5	11.473	-29.346	-19.643	-11.473	29.346	19.643	0.000%
6	19.860	-39.128	-11.348	-19.860	39.128	11.348	0.000%
7	19.860	-29.346	-11.348	-19.860	29.346	11.348	0.000%
8	22.926	-39.128	-0.012	-22.926	39.128	0.012	0.000%
9	22.926	-29.346	-0.012	-22.926	29.346	0.012	0.000%
10	19.848	-39.128	11.327	-19.848	39.128	-11.327	0.000%
11	19.848	-29.346	11.327	-19.848	29.346	-11.327	0.000%
12	11.452	-39.128	19.631	-11.452	39.128	-19.631	0.000%
13	11.452	-29.346	19.631	-11.452	29.346	-19.631	0.000%
14	-0.012	-39.128	22.675	0.012	39.128	-22.675	0.000%
15	-0.012	-29.346	22.675	0.012	29.346	-22.675	0.000%
16	-11.473	-39.128	19.643	11.473	39.128	-19.643	0.000%
17	-11.473	-29.346	19.643	11.473	29.346	-19.643	0.000%
18	-19.860	-39.128	11.348	19.860	39.128	-11.348	0.000%
19	-19.860	-29.346	11.348	19.860	29.346	-11.348	0.000%
20	-22.926	-39.128	0.012	22.926	39.128	-0.012	0.000%
21	-22.926	-29.346	0.012	22.926	29.346	-0.012	0.000%
22	-19.848	-39.128	-11.327	19.848	39.128	11.327	0.000%
23	-19.848	-29.346	-11.327	19.848	29.346	11.327	0.000%
24	-11.452	-39.128	-19.631	11.452	39.128	19.631	0.000%
25	-11.452	-29.346	-19.631	11.452	29.346	19.631	0.000%
26	0.000	-65.421	0.000	0.000	65.421	-0.000	0.000%
27	0.002	-65.421	-5.560	-0.002	65.421	5.560	0.000%
28	2.803	-65.421	-4.816	-2.803	65.421	4.816	0.000%
29	4.852	-65.421	-2.782	-4.853	65.421	2.782	0.000%
30	5.602	-65.421	-0.002	-5.602	65.421	0.002	0.000%
31	4.850	-65.421	2.778	-4.850	65.421	-2.778	0.000%
32	2.799	-65.421	4.814	-2.799	65.421	-4.814	0.000%
33	-0.002	-65.421	5.560	0.002	65.421	-5.560	0.000%
34	-2.803	-65.421	4.816	2.803	65.421	-4.816	0.000%
35	-4.852	-65.421	2.782	4.853	65.421	-2.782	0.000%
36	-5.602	-65.421	0.002	5.602	65.421	-0.002	0.000%
37	-4.850	-65.421	-2.778	4.850	65.421	2.778	0.000%
38	-2.799	-65.421	-4.814	2.799	65.421	4.814	0.000%
39	0.003	-32.607	-4.934	-0.003	32.607	4.934	0.000%
40	2.497	-32.607	-4.275	-2.497	32.607	4.275	0.000%
41	4.322	-32.607	-2.469	-4.322	32.607	2.469	0.000%
42	4.989	-32.607	-0.003	-4.989	32.607	0.003	0.000%
43	4.319	-32.607	2.465	-4.319	32.607	-2.465	0.000%
44	2.492	-32.607	4.272	-2.492	32.607	-4.272	0.000%
45	-0.003	-32.607	4.934	0.003	32.607	-4.934	0.000%
46	-2.497	-32.607	4.275	2.497	32.607	-4.275	0.000%
47	-4.322	-32.607	2.469	4.322	32.607	-2.469	0.000%
48	-4.989	-32.607	0.003	4.989	32.607	-0.003	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
49	-4.319	-32.607	-2.465	4.319	32.607	2.465	0.000%
50	-2.492	-32.607	-4.272	2.492	32.607	4.272	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00001998
3	Yes	4	0.00000001	0.00001254
4	Yes	4	0.00000001	0.00026345
5	Yes	4	0.00000001	0.00017354
6	Yes	4	0.00000001	0.00025500
7	Yes	4	0.00000001	0.00016744
8	Yes	4	0.00000001	0.00001608
9	Yes	4	0.00000001	0.00000956
10	Yes	4	0.00000001	0.00025511
11	Yes	4	0.00000001	0.00016744
12	Yes	4	0.00000001	0.00026646
13	Yes	4	0.00000001	0.00017524
14	Yes	4	0.00000001	0.00002025
15	Yes	4	0.00000001	0.00001272
16	Yes	4	0.00000001	0.00025188
17	Yes	4	0.00000001	0.00016541
18	Yes	4	0.00000001	0.00026127
19	Yes	4	0.00000001	0.00017185
20	Yes	4	0.00000001	0.00001613
21	Yes	4	0.00000001	0.00000960
22	Yes	4	0.00000001	0.00026277
23	Yes	4	0.00000001	0.00017290
24	Yes	4	0.00000001	0.00025052
25	Yes	4	0.00000001	0.00016477
26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00020162
28	Yes	4	0.00000001	0.00020937
29	Yes	4	0.00000001	0.00021136
30	Yes	4	0.00000001	0.00020687
31	Yes	4	0.00000001	0.00021422
32	Yes	4	0.00000001	0.00021394
33	Yes	4	0.00000001	0.00020642
34	Yes	4	0.00000001	0.00021215
35	Yes	4	0.00000001	0.00021160
36	Yes	4	0.00000001	0.00020413
37	Yes	4	0.00000001	0.00020894
38	Yes	4	0.00000001	0.00020779
39	Yes	4	0.00000001	0.00000001
40	Yes	4	0.00000001	0.00000001
41	Yes	4	0.00000001	0.00000001
42	Yes	4	0.00000001	0.00000001
43	Yes	4	0.00000001	0.00000001
44	Yes	4	0.00000001	0.00000001
45	Yes	4	0.00000001	0.00000001
46	Yes	4	0.00000001	0.00000001
47	Yes	4	0.00000001	0.00000001
48	Yes	4	0.00000001	0.00000001
49	Yes	4	0.00000001	0.00000001

50	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	100 - 47	4.921	42	0.390	0.001
L2	53 - 0	1.536	42	0.258	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
100.000	Lightning Rod 1/2" x 8'	42	4.921	0.390	0.001	87360
86.000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	42	3.784	0.357	0.001	31200
78.000	TME-800MHZ RRH	42	3.163	0.337	0.000	19854
76.000	(2) APXVSPP18-C-A20 w/ Mount Pipe	42	3.013	0.331	0.000	18200
65.000	BXA-70063/6CF w/ Mount Pipe	42	2.243	0.300	0.000	12480

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	100 - 47	22.631	8	1.792	0.003
L2	53 - 0	7.072	8	1.189	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
100.000	Lightning Rod 1/2" x 8'	8	22.631	1.792	0.003	19054
86.000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	8	17.404	1.641	0.002	6804
78.000	TME-800MHZ RRH	8	14.550	1.549	0.001	4329
76.000	(2) APXVSPP18-C-A20 w/ Mount Pipe	8	13.862	1.524	0.001	3968
65.000	BXA-70063/6CF w/ Mount Pipe	8	10.320	1.378	0.001	2721

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	100 - 47 (1)	TP40.72x28x0.313	53.000	0.000	0.0	38.846	-24.372	2272.480	0.011
L2	47 - 0 (2)	TP51.37x38.655x0.375	53.000	0.000	0.0	61.003	-39.116	3568.660	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	100 - 47 (1)	TP40.72x28x0.313	606.952	2103.400	0.289	0.000	2103.400	0.000
L2	47 - 0 (2)	TP51.37x38.655x0.375	1721.183	4179.683	0.412	0.000	4179.683	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	100 - 47 (1)	TP40.72x28x0.313	19.080	681.743	0.028	0.170	2329.483	0.000
L2	47 - 0 (2)	TP51.37x38.655x0.375	22.946	1070.600	0.021	0.170	4787.300	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	100 - 47 (1)	0.011	0.289	0.000	0.028	0.000	0.300 ✔	1.050	4.8.2 ✔
L2	47 - 0 (2)	0.011	0.412	0.000	0.021	0.000	0.423 ✔	1.050	4.8.2 ✔

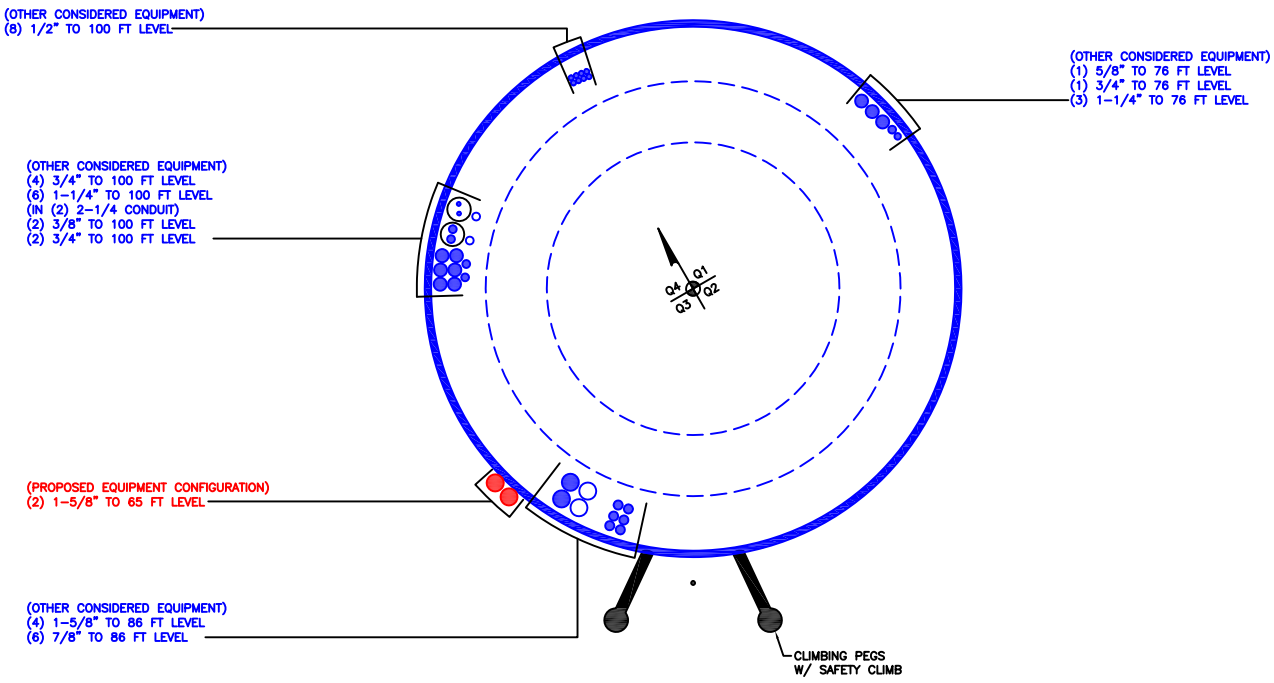
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	100 - 47	Pole	TP40.72x28x0.313	1	-24.372	2386.104	28.6	Pass
L2	47 - 0	Pole	TP51.37x38.655x0.375	2	-39.116	3747.093	40.3	Pass
							Summary	
						Pole (L2)	40.3	Pass
						RATING =	**40.3**	**Pass**

Program Version 8.0.9.0

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT:842869

APPENDIX C

ADDITIONAL CALCULATIONS

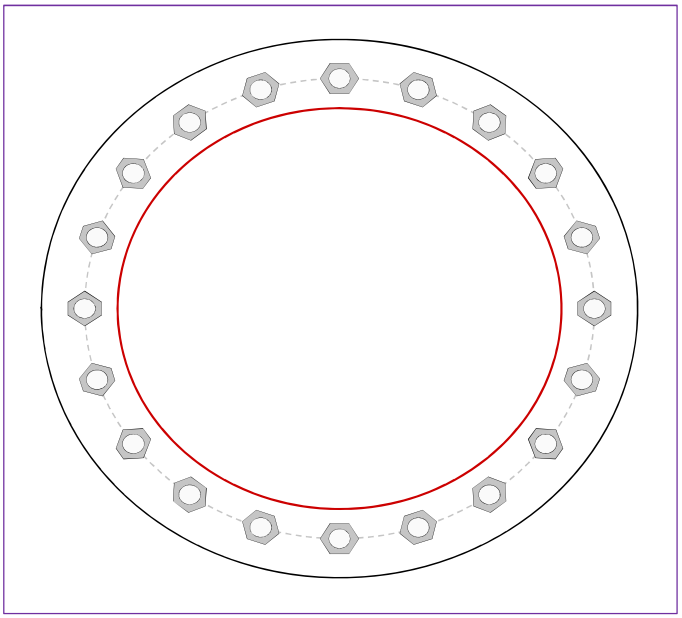
Monopole Base Plate Connection

Site Info	
BU #	842869
Site Name	RIDEN WEST CENTRAL
Order #	568290 Rev# 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1

Applied Loads	
Moment (kip-ft)	1721.19
Axial Force (kips)	39.12
Shear Force (kips)	22.95

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(20) 2-1/2" ø bolts (A572-50 N; Fy=50 ksi, Fu=65 ksi) on 59" BC

Base Plate Data

69" OD x 3" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

51.37" x 0.375" 16-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 68.01	ϕPn_t = 195	**Stress Rating**
Vu = 1.15	ϕVn = 119.65	**33.2%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	9.18	(Flexural)
Allowable Stress (ksi):	32.4	
Stress Rating:	**27.0%**	**Pass**

Pier and Pad Foundation

BU # :	842869
Site Name:	MERIDEN WEST C
App. Number:	568290, Rev.0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	39	kips
Base Shear, Vu_comp:	23	kips
Moment, M_u:	1721	ft-kips
Tower Height, **H**:	100	ft
BP Dist. Above Fdn, bp_{dist}:	3.25	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	8	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	60	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	7.5	ft
Pad Width, W_1:	20	ft
Pad Thickness, **T**:	2.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	32	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

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

Soil Properties

Total Soil Unit Weight, γ:	110	pcf
Ultimate Net Bearing, Qnet:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:	0.35	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	190.35	23.00	**11.5%**	**Pass**
Bearing Pressure (ksf)	6.62	2.30	**34.8%**	**Pass**
*Overturning (kip*ft)*	3735.58	1922.73	**51.5%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	16122.68	1859.00	**11.0%**	**Pass**
Pier Compression (kip)	40734.72	108.12	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	3474.94	499.49	**13.7%**	**Pass**
Pad Shear - 1-way (kips)	576.22	108.70	**18.0%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.026	**12.9%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	5377.97	1115.40	**19.8%**	**Pass**

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

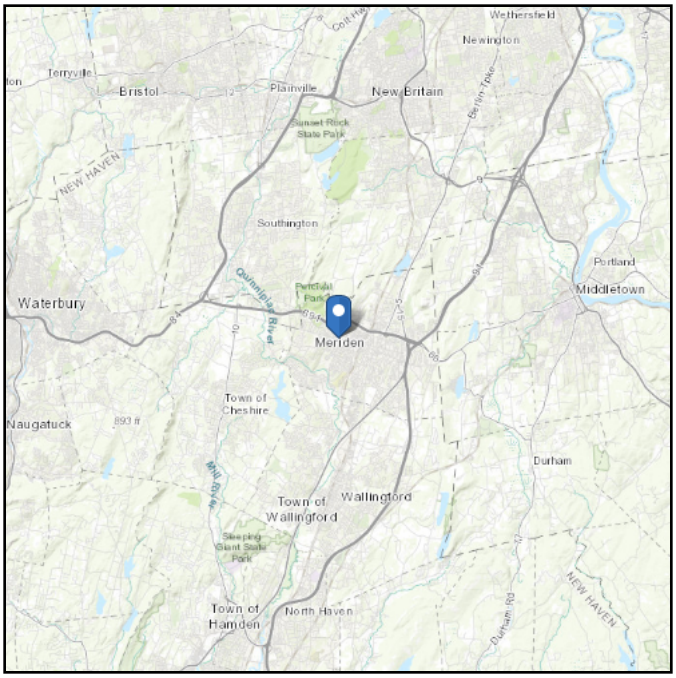
Soil Rating*:	**51.5%**
Structural Rating*:	**19.8%**

Version 4.0.1

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	165.37 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.540031
Soil Class:	D - Stiff Soil	**Longitude:**	-72.819019



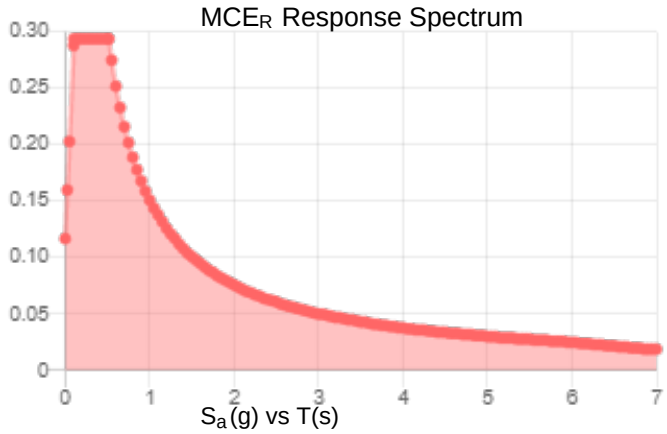
Seismic

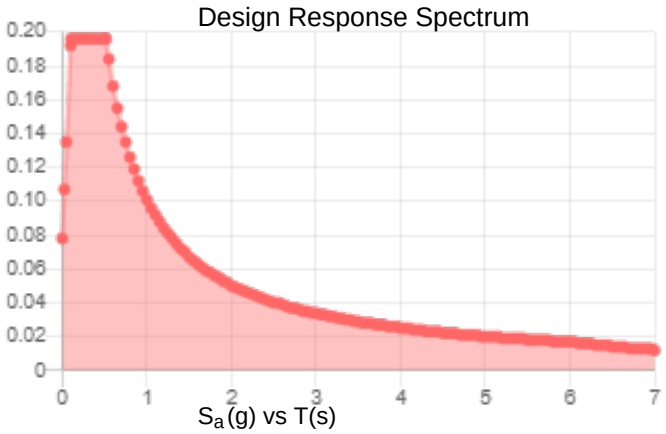
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.184	S_{DS} :	0.196
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.094
S_{MS} :	0.294	PGA_M :	0.151
S_{M1} :	0.151	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri May 07 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri May 07 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 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Exhibit E

Mount Analysis

GPD Engineering And Architecture Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311

Maser Consulting Contact:
Peter.albano@colliersengineering.com
(856) 371-9457

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10080484
GPD Project #: 2021740.469190.02
Maser Consulting Project #: 21777777

June 24, 2021

Site Information	*Site ID:*	*469190-VZW / MERIDEN HANOVER CT*
	Site Name:	*MERIDEN HANOVER CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*450-478 West Main St* *Meriden, Connecticut 06451* *New Haven County*
	Latitude:	*41.540067°*
	Longitude:	*-72.819183°*
Structure Information	*Tower Type:*	*102-Ft Monopole*
	Mount Type:	*12.50-Ft Platform Mount*

FUZE ID # 16227612

Analysis Results

Platform Mount: **45.4% Pass**

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

Report Prepared By: Michael Hlava

Respectfully Submitted,

Christopher J.Scheks, P.E.
Connecticut #: 30026

STATE OF CONNECTICUT
CHRISTOPHER J. SCHEKS
No. 30026
LICENSED
PROFESSIONAL ENGINEER

6/16/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1737811, dated 1/12/2021*
Mount Mapping	*Structural Components Site ID #: 21777777, dated 4/14/2021*
Previous Mount Analysis	*GPD Project #: 2021740.469190.01, dated 6/16/2021*
Mount Modification Drawings	*GPD Project #: 2021740.469190.02, dated 6/24/2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.994
Seismic Parameters:	S_S:	0.202
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17.0.4)	

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
65.0	65.0	3	Antel	BXA-70063/6CF	Retained
		2	Raycap	RRFDC-3315-PF-48	
		6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-2
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to GPD 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 GPD to verify deviation will not adversely impact the analysis.

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by GPD, 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. GPD 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 GPD.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	10.6 %	Pass
Standoff	31.9 %	Pass
Connection Plate	20.1 %	Pass
Standoff Crossarm	16.1 %	Pass
Grating Angle	20.3 %	Pass
Mount Pipe	45.4 %	Pass
Support Rail	10.2 %	Pass
Support Rail Corner	7.7 %	Pass
Mount Connection	39.8 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**45.4%**

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 Wind Speed Letter


04.14.2021 05:41


04.14.2021 06:30

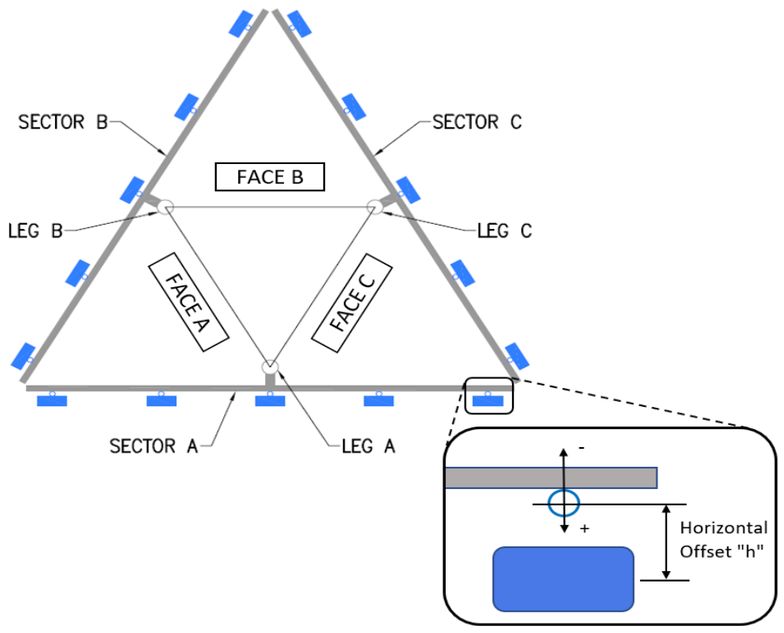
V4.0 Updated on 3-31-2021

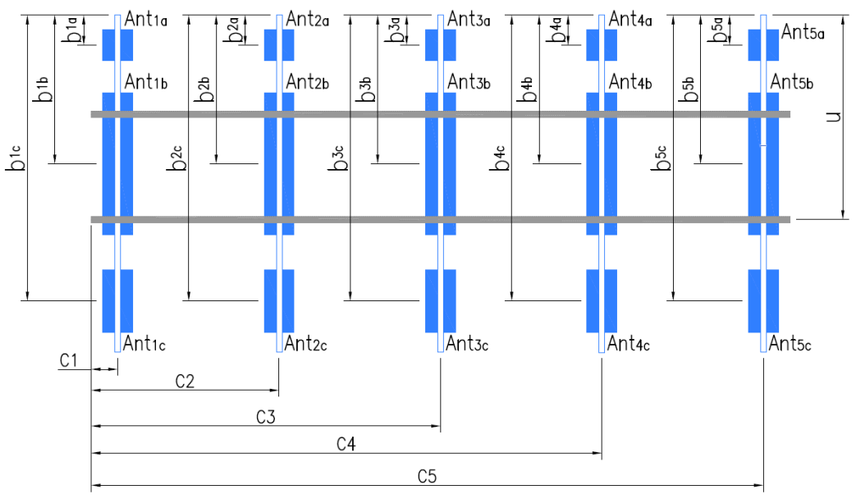
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1288238

Tower Owner:	Crown Castle	**Mapping Date:**	4/14/2021
Site Name:	Meriden West Central	**Tower Type:**	Monopole
Site Number or ID:	21777777	**Tower Height (Ft.):**	102
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	65

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





Antenna Layout (Looking Out From Tower)

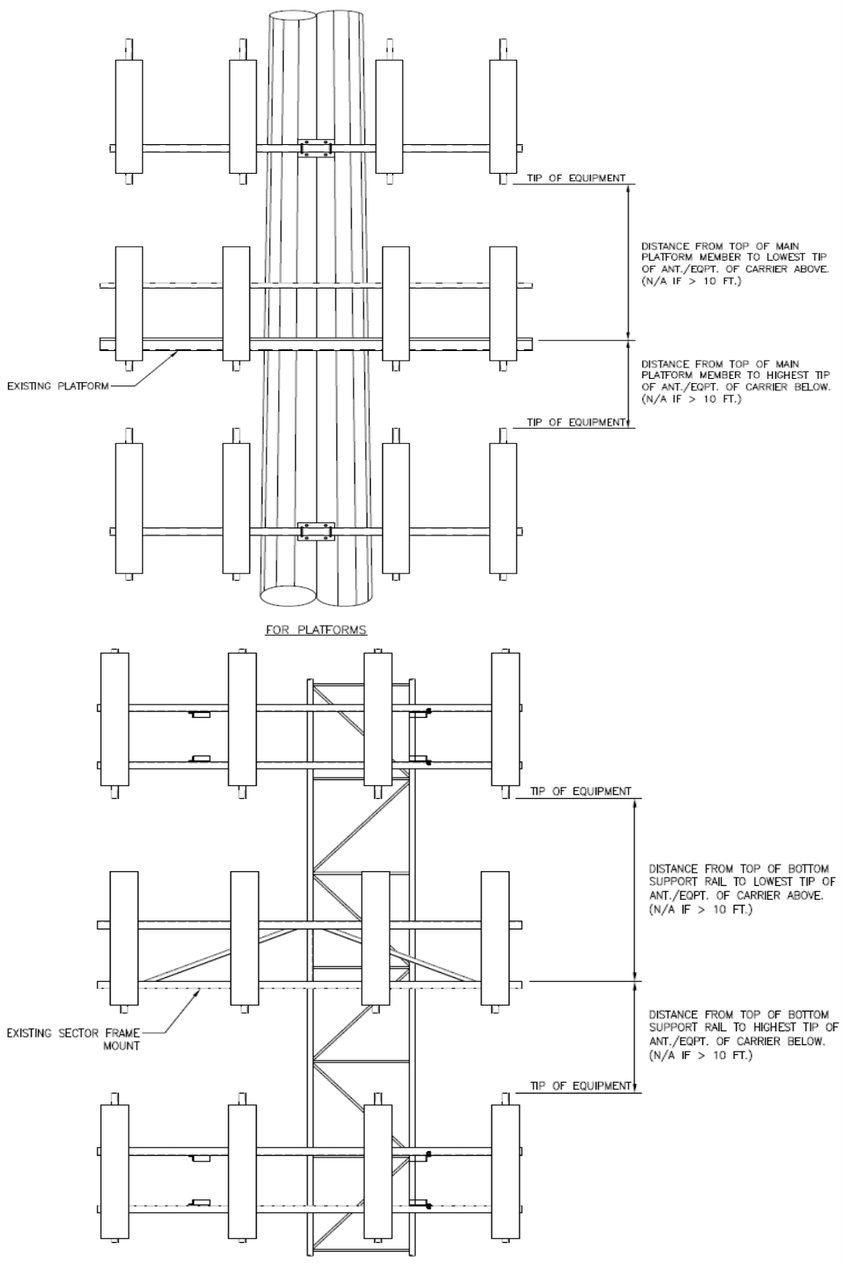
Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x0.154x84	43.00	3.50	C1	2-3/8x0.154x84	42.00	3.50
A2	2-3/8x0.154x84	42.50	49.00	C2	2-3/8x0.154x84	42.50	47.00
A3	2-3/8x0.154x84	44.00	97.00	C3	2-3/8x0.154x84	42.00	96.00
A4	2-3/8x0.154x84	42.00	141.00	C4	2-3/8x0.154x84	44.00	139.00
A5				C5			
A6				C6			
B1	2-3/8x0.154x84	41.00	3.50	D1			
B2	2-3/8x0.154x84	43.00	49.50	D2			
B3	2-3/8x0.154x84	42.00	96.50	D3			
B4	2-3/8x0.154x84	41.50	141.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
1/2" Weld main standoff to plate							
Raycaps are on Alpha/Beta standoff arm on pipe mounts							
Tower Face Width at Mount Elev. (ft.):	7.5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					38.22
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65.2917	39.50	9.50	0.00	12, 28
Ant_{1c}	B4rrh2x60-4r	11.00	6.00	36.00	jumper	67.7083	10.50	-6.50		
Ant_{2a}										
Ant_{2b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65.25	39.50	9.00	0.00	12, 48
Ant_{2c}	b13rrh4x30	10.50	7.50	20.50	jumper	67.2083	16.00	-7.00		
Ant_{3a}										
Ant_{3b}	bxa17106312cf-edin	6.00	4.00	72.00	not active	65.7917	34.50	7.50	290.00	12, 69
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	11.50	6.00	71.00	not active	65.8333	32.00	9.00	290.00	12, 87
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	Raycap SSD	14.00	10.00	19.00	.5" Hybri	67				296
Ant on Standoff	Raycap SSD	14.00	10.00	19.00	.5" Hybri	67				296
Ant on Tower										
Ant on Tower										

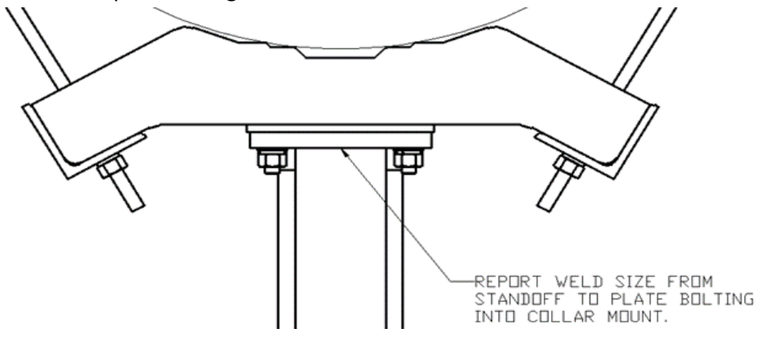
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:		Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65	41.00	9.00	120.00	15, 25
Ant_{1c}	B4rrh2x60-4r	11.00	6.00	36.00	jumper	67.4167	12.00	-6.00		
Ant_{2a}										
Ant_{2b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65.4167	38.00	9.00	120.00	15, 25
Ant_{2c}	b13rrh4x30	10.50	7.50	20.50	jumper	67.4167	14.00	-8.00		
Ant_{3a}										
Ant_{3b}	bxa17106312cf-edin	6.00	4.00	72.00	not active	65.5417	35.50	7.50	130.00	15, 26
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	11.50	6.00	71.00	not active	65.3333	37.50	9.50	130.00	15,26
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65.1667	40.00	9.00	240.00	16, 306
Ant_{1c}	B4rrh2x60-4r	11.00	6.00	36.00	jumper	67.5	12.00	-7.00		
Ant_{2a}										
Ant_{2b}	sbnhh-1d45b	18.00	7.00	72.00	jumper	65.3333	38.50	9.00	240.00	16, 306
Ant_{2c}	b13rrh4x30	10.50	7.50	20.50	jumper	67.9583	7.00	-7.00		
Ant_{3a}										
Ant_{3b}	bxa17106312cf-edin	6.00	4.00	72.00	not active	65.5417	35.50	9.00	250.00	16, 306
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	11.50	6.00	71.00	not active	65.375	39.50	9.00	250.00	16, 306
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	Lock cut on Verizon gate	2
2		
3		
4		
5		
6		
7		
8		

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

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

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

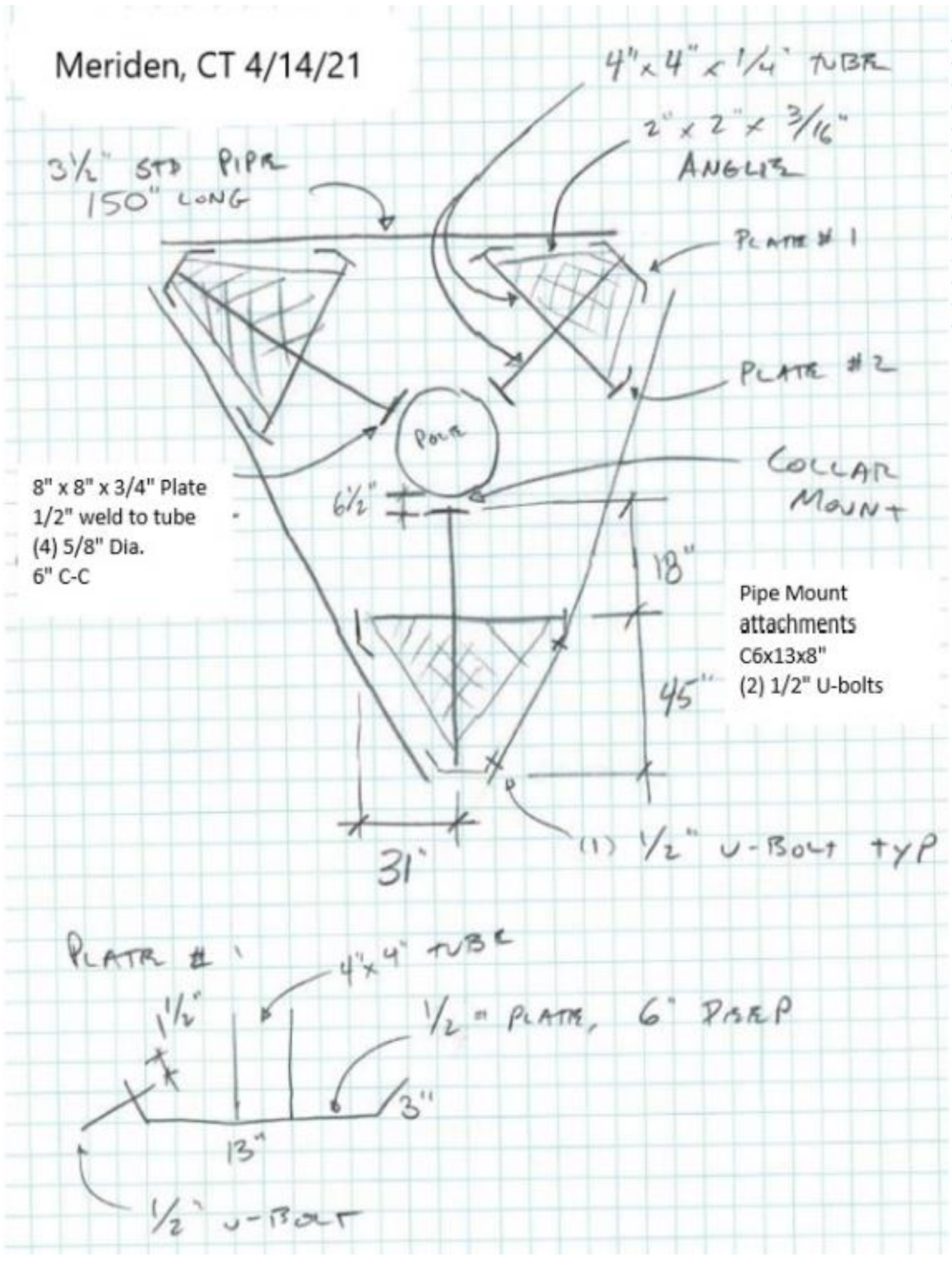
V4.0 Updated on 3-31-2021

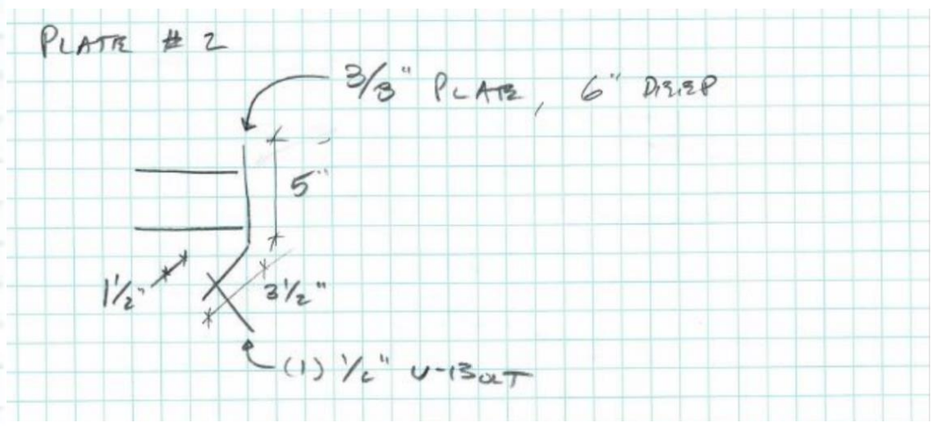
Antenna Mount Mapping Form (PATENT PENDING)

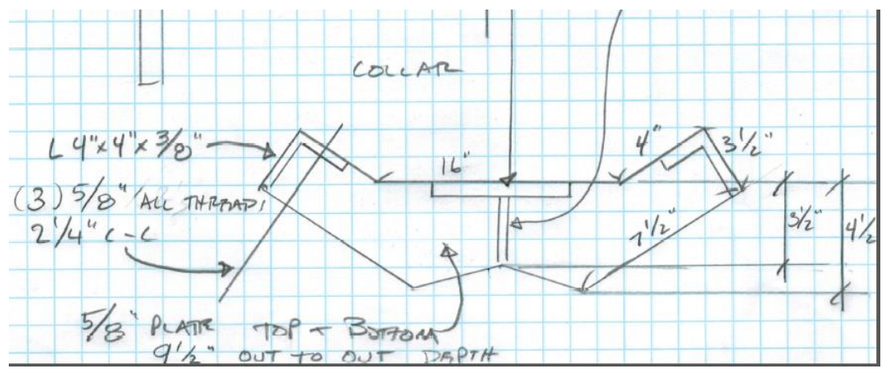
FCC #
1288238

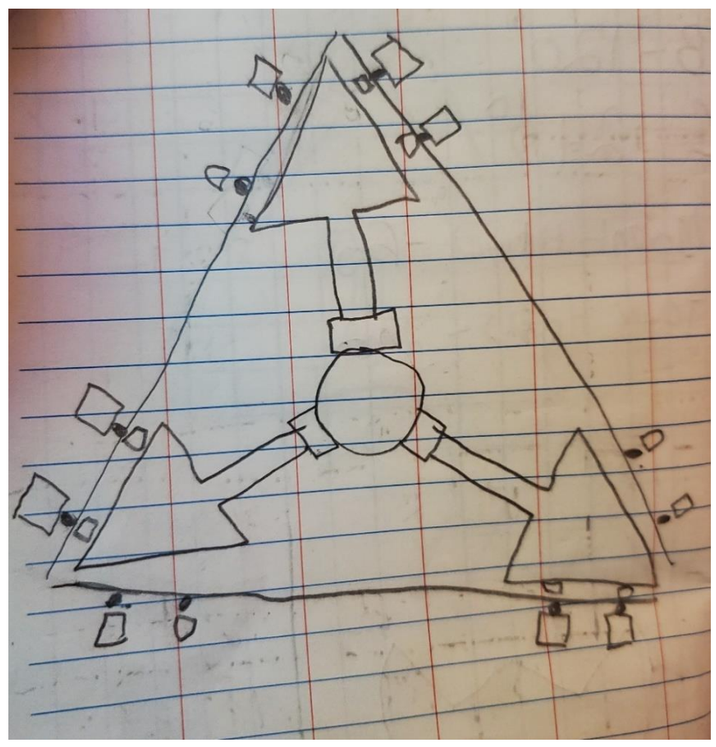
Tower Owner:	Crown Castle	**Mapping Date:**	4/14/2021
Site Name:	Meriden West Central	**Tower Type:**	Monopole
Site Number or ID:	21777777	**Tower Height (Ft.):**	102
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	65

Please Insert Sketches of the Antenna Mount









V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1288238

Tower Owner:	Crown Castle	**Mapping Date:**	4/14/2021
Site Name:	Meriden West Central	**Tower Type:**	Monopole
Site Number or ID:	21777777	**Tower Height (Ft.):**	102
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	65

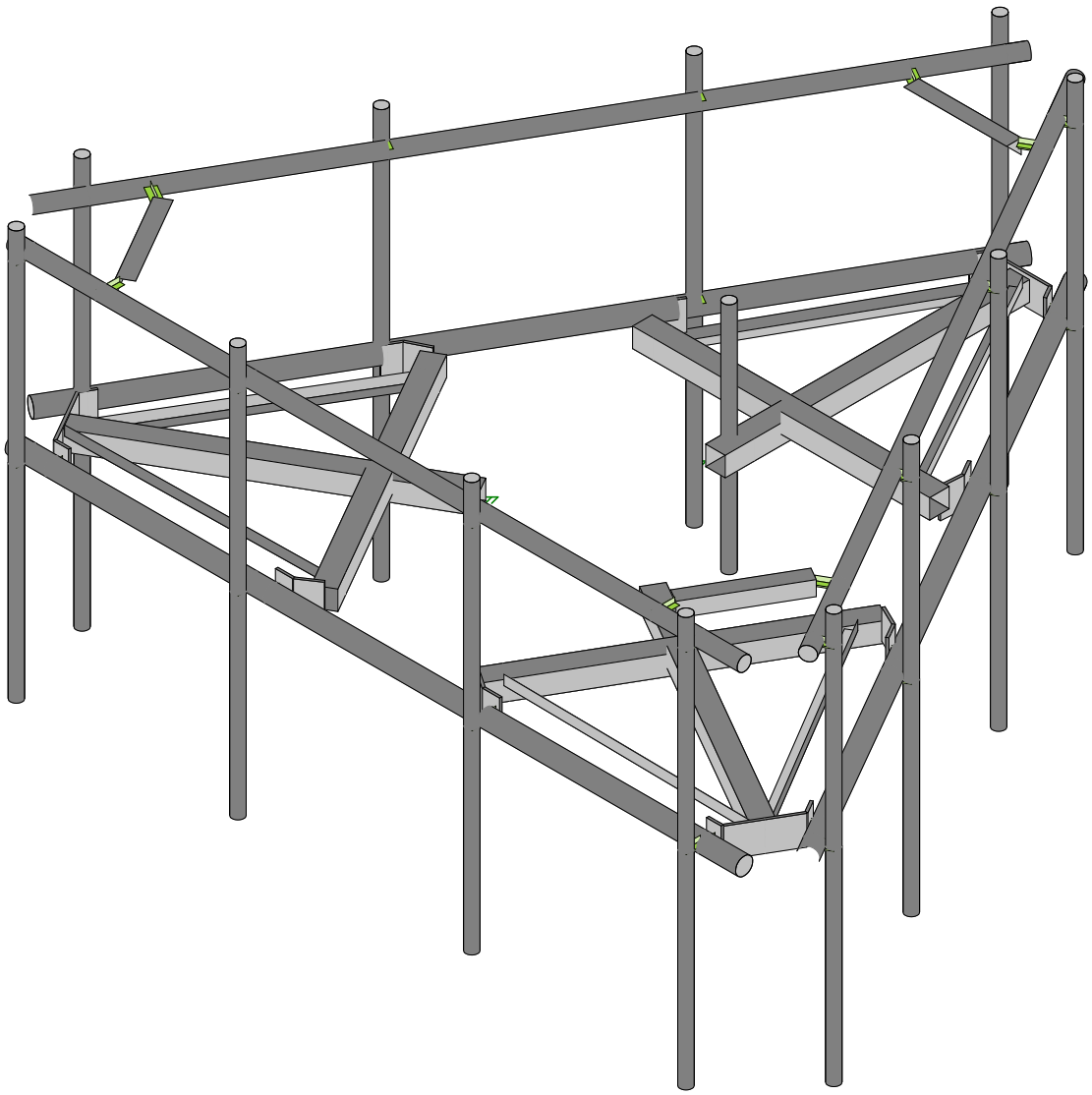
Please enter information about transmission lines.

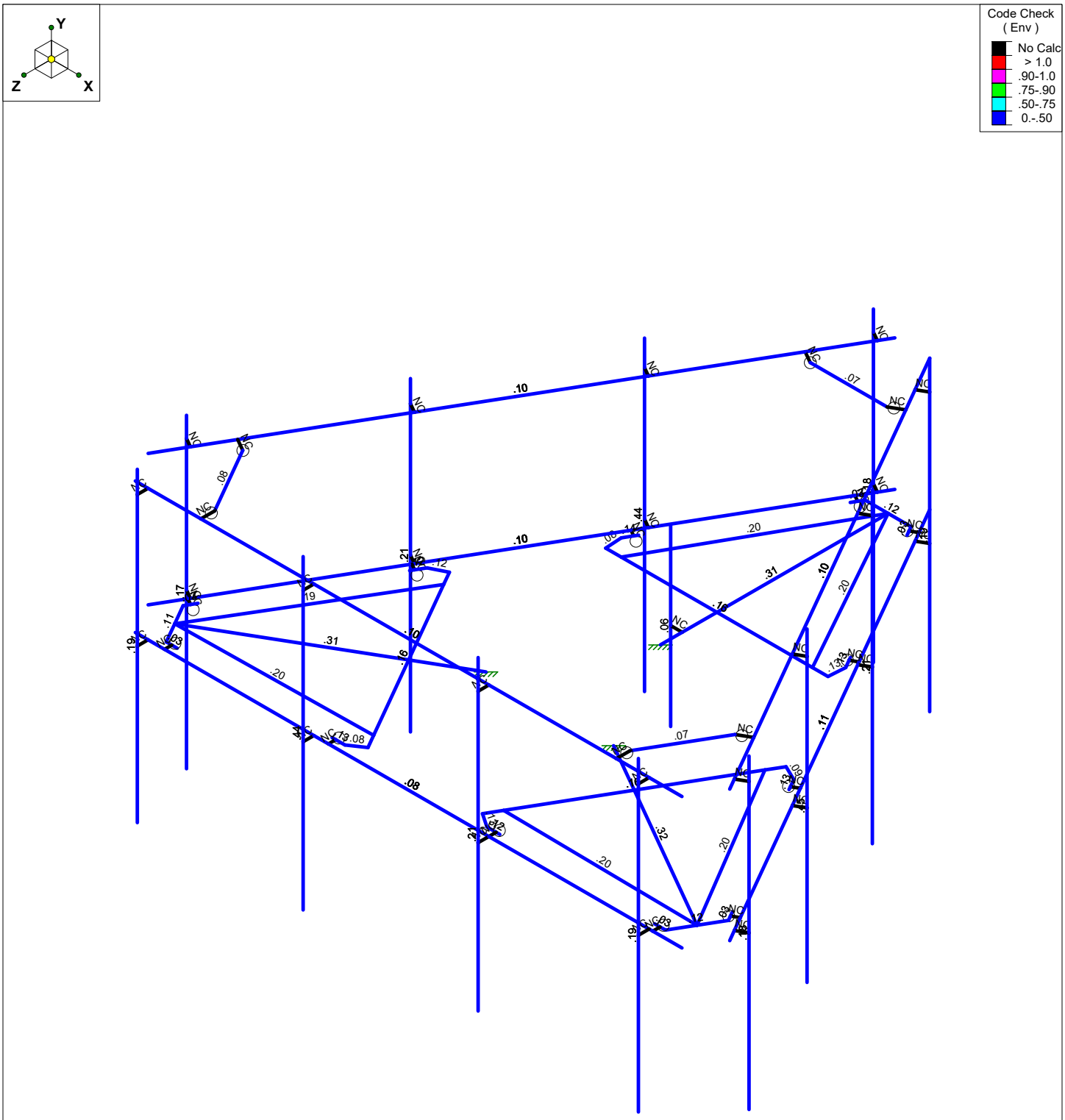
Transmission Line Type (Pick from List)	Quantity	Diameter/Size (in.) Please add a description if using type "Other".	Located on Tower Face	Photo #	Additional Comments
All Sectors					
Hybrid	2	1.5 OD	12.00	7,8	

Please enter information about additional RF equipment.

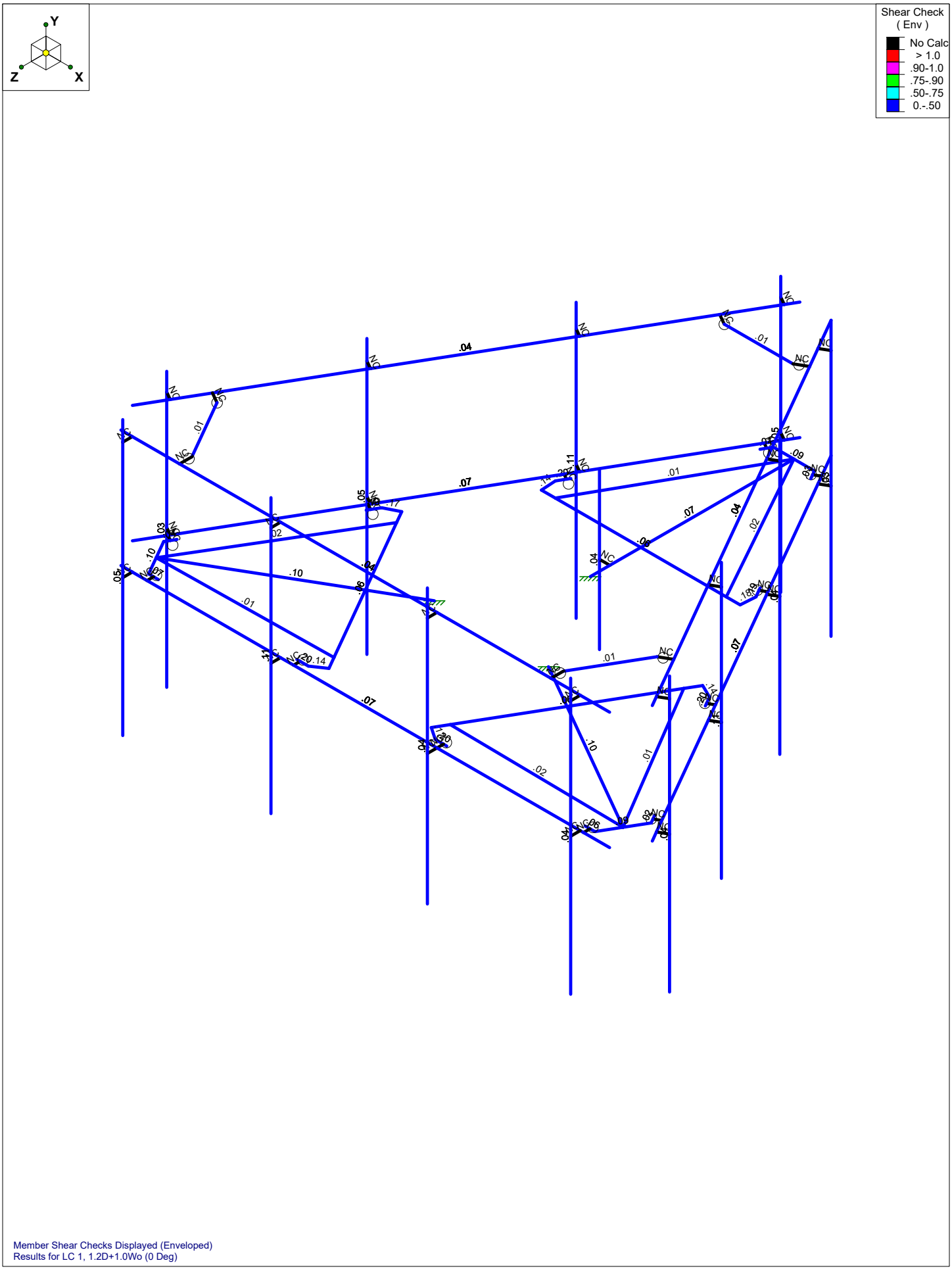
Equipment Type (Pick from List)	Quantity	Model Numbers if Known	Width (in.)	Depth (in.)	Height (in.)	Location	Photo #	Additional Comments
Sector A								
Sector B								
Sector C								

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


Y
Z
X



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



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

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu..	Area(M...	Surface...
1	Antenna D	None					114		3	
2	Antenna Di	None					114		3	
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						55	3	
41	Structure Wo (0 Deg)	None						110		
42	Structure Wo (30 Deg)	None						110		
43	Structure Wo (60 Deg)	None						110		
44	Structure Wo (90 Deg)	None						110		
45	Structure Wo (120 Deg)	None						110		
46	Structure Wo (150 Deg)	None						110		
47	Structure Wo (180 Deg)	None						110		
48	Structure Wo (210 Deg)	None						110		
49	Structure Wo (240 Deg)	None						110		
50	Structure Wo (270 Deg)	None						110		
51	Structure Wo (300 Deg)	None						110		
52	Structure Wo (330 Deg)	None						110		
53	Structure Wi (0 Deg)	None						110		
54	Structure Wi (30 Deg)	None						110		
55	Structure Wi (60 Deg)	None						110		
56	Structure Wi (90 Deg)	None						110		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
57	Structure Wi (120 Deg)	None						110		
58	Structure Wi (150 Deg)	None						110		
59	Structure Wi (180 Deg)	None						110		
60	Structure Wi (210 Deg)	None						110		
61	Structure Wi (240 Deg)	None						110		
62	Structure Wi (270 Deg)	None						110		
63	Structure Wi (300 Deg)	None						110		
64	Structure Wi (330 Deg)	None						110		
65	Structure Wm (0 Deg)	None						110		
66	Structure Wm (30 Deg)	None						110		
67	Structure Wm (60 Deg)	None						110		
68	Structure Wm (90 Deg)	None						110		
69	Structure Wm (120 Deg)	None						110		
70	Structure Wm (150 Deg)	None						110		
71	Structure Wm (180 Deg)	None						110		
72	Structure Wm (210 Deg)	None						110		
73	Structure Wm (240 Deg)	None						110		
74	Structure Wm (270 Deg)	None						110		
75	Structure Wm (300 Deg)	None						110		
76	Structure Wm (330 Deg)	None						110		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 1 Transient Area Loads	None						15		
82	BLC 39 Transient Area Loads	None						84		
83	BLC 2 Transient Area Loads	None						15		
84	BLC 40 Transient Area Loads	None						84		

Load Combinations

	Description	Sol...	PDelta	SR...	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 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										

Load Combinations (Continued)

	Description	Sol...	PDelta	SR...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 De..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 De..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 De..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 De..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 De..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 De..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 De..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 De..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 De..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 De..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 De..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 De..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 De..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 De..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 De..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 De..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Dia...
1	N1	6.25	0	4.069795	0	
2	N2	-6.25	0	4.069795	0	
3	N3	5.971354	0	3.447563	0	
4	N4	1.460805	0	0.843396	0	
5	N5	6.109375	0	2.775491	0	
6	N6	6.234375	0	2.991997	0	
7	N7	5.708333	0	3.903128	0	
8	N8	5.458333	0	3.903128	0	
9	N9	6.316213	0	2.800411	0	
10	N10	6.171875	0	2.883744	0	
11	N11	5.583333	0	4.069795	0	
12	N12	5.583333	0	3.903128	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Dia...
13	N13	1.833333	0	4.069795	0	
14	N14	1.833333	0	3.903128	0	
15	N15	4.441213	0	-0.447184	0	
16	N16	4.296875	0	-0.363851	0	
17	N17	3.850255	0	-0.711918	0	
18	N18	1.308588	0	3.690378	0	
19	N19	1.916667	0	3.903128	0	
20	N20	1.625	0	3.903128	0	
21	N21	4.338542	0	-0.291682	0	
22	N22	4.192708	0	-0.544273	0	
23	N23	-6.649546	0	3.377761	0	
24	N24	-0.399546	0	-7.447556	0	
25	N25	-5.971354	0	3.447563	0	
26	N26	-1.460805	0	0.843396	0	
27	N27	-5.458333	0	3.903128	0	
28	N28	-5.708333	0	3.903128	0	
29	N29	-6.234375	0	2.991997	0	
30	N30	-6.109375	0	2.775491	0	
31	N31	-5.583333	0	4.069795	0	
32	N32	-5.583333	0	3.903128	0	
33	N33	-6.316213	0	2.800411	0	
34	N34	-6.171875	0	2.883744	0	
35	N35	-4.441213	0	-0.447184	0	
36	N36	-4.296875	0	-0.363851	0	
37	N37	-1.833333	0	4.069795	0	
38	N38	-1.833333	0	3.903128	0	
39	N39	-1.308588	0	3.690378	0	
40	N40	-3.850255	0	-0.711918	0	
41	N41	-4.338542	0	-0.291682	0	
42	N42	-4.192708	0	-0.544273	0	
43	N43	-1.916667	0	3.903128	0	
44	N44	-1.625	0	3.903128	0	
45	N45	0.399546	0	-7.447556	0	
46	N46	6.649546	0	3.377761	0	
47	N47	-0.	0	-6.895126	0	
48	N48	-0.	0	-1.686793	0	
49	N49	-0.651042	0	-6.67862	0	
50	N50	-0.526042	0	-6.895126	0	
51	N51	0.526042	0	-6.895126	0	
52	N52	0.651042	0	-6.67862	0	
53	N53	-0.732879	0	-6.870206	0	
54	N54	-0.588542	0	-6.786873	0	
55	N55	0.732879	0	-6.870206	0	
56	N56	0.588542	0	-6.786873	0	
57	N57	2.607879	0	-3.622611	0	
58	N58	2.463542	0	-3.539277	0	
59	N59	-2.607879	0	-3.622611	0	
60	N60	-2.463542	0	-3.539277	0	
61	N61	-2.541667	0	-2.978459	0	
62	N62	2.541667	0	-2.978459	0	
63	N63	2.421875	0	-3.611446	0	
64	N64	2.567708	0	-3.358855	0	
65	N65	-2.421875	0	-3.611446	0	
66	N66	-2.567708	0	-3.358855	0	
67	N67	5.5	0	4.069795	0	
68	N68	5.5	0	4.314587	0	
69	N73	2.1875	0	-2.978459	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Dia...
70	N74	-2.1875	0	-2.978459	0	
71	N76	1.485671	0	3.38366	0	
72	N77	3.673171	0	-0.405201	0	
73	N79	-3.673171	0	-0.405201	0	
74	N80	-1.485671	0	3.38366	0	
75	N79A	2.579421	0	1.48923	0	
76	N80A	-2.579421	0	1.48923	0	
77	N81	-0.	0	-2.978459	0	
78	N80B	1.833333	0	4.314587	0	
79	N80C	-2.166667	0	4.069795	0	
80	N81A	-2.166667	0	4.314587	0	
81	N82	-5.958333	0	4.069795	0	
82	N83	-5.958333	0	4.314587	0	
83	N83A	-5.958333	3.5	4.314587	0	
84	N84	-5.958333	-3.5	4.314587	0	
85	N85	-2.166667	3.666667	4.314587	0	
86	N86	-2.166667	-3.333333	4.314587	0	
87	N87	1.833333	3.666667	4.314587	0	
88	N88	1.833333	-3.333333	4.314587	0	
89	N89	5.5	3.5	4.314587	0	
90	N90	5.5	-3.5	4.314587	0	
91	N97	-0.545379	0	-7.194966	0	
92	N98	-0.757375	0	-7.317361	0	
93	N103	4.607879	0	-0.158509	0	
94	N105	6.503713	0	3.125171	0	
95	N106	6.715708	0	3.002775	0	
96	N111	-0.757375	3.458333	-7.317361	0	
97	N112	-0.757375	-3.541667	-7.317361	0	
98	N117	-4.462046	0	-0.4111	0	
99	N131A	-6.295379	0	2.764327	0	
100	N132	-6.507375	0	2.641931	0	
101	N133	-6.507375	3.458333	2.641931	0	
102	N134	-6.507375	-3.541667	2.641931	0	
103	N113	-4.420379	0	-0.483269	0	
104	N114	-4.632375	0	-0.605665	0	
105	N115	-4.632375	3.5	-0.605665	0	
106	N116	-4.632375	-3.5	-0.605665	0	
107	N117A	-2.462046	0	-3.875202	0	
108	N118	-2.674042	0	-3.997597	0	
109	N119	-2.674042	3.583333	-3.997597	0	
110	N120	-2.674042	-3.416667	-3.997597	0	
111	N111A	4.691213	0	-0.014172	0	
112	N112A	4.903208	0	-0.136567	0	
113	N113A	4.903208	3.541667	-0.136567	0	
114	N114A	4.903208	-3.458333	-0.136567	0	
115	N115A	2.649546	0	-3.550442	0	
116	N116A	2.861542	0	-3.672838	0	
117	N117B	2.861542	3.5	-3.672838	0	
118	N118A	2.861542	-3.5	-3.672838	0	
119	N119A	0.857879	0	-6.6537	0	
120	N120A	1.069875	0	-6.776096	0	
121	N121	1.069875	3.666667	-6.776096	0	
122	N122	1.069875	-3.333333	-6.776096	0	
123	N123	6.715708	3.5	3.002775	0	
124	N124	6.715708	-3.5	3.002775	0	
125	N125	-0.	0	-2.186793	0	
126	N126	-0.265625	0	-2.186793	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Dia...
127	N127	-0.265625	2	-2.186793	0	
128	N128	-0.265625	-2	-2.186793	0	
129	N129	6.25	3	4.069795	0	
130	N130	-6.25	3	4.069795	0	
131	N131	1.833333	3	4.069795	0	
132	N132A	-6.649546	3	3.377761	0	
133	N133A	-0.399546	3	-7.447556	0	
134	N134A	0.399546	3	-7.447556	0	
135	N135	6.649546	3	3.377761	0	
136	N136	5.5	3	4.069795	0	
137	N137	5.5	3	4.314587	0	
138	N138	1.833333	3	4.314587	0	
139	N139	-2.166667	3	4.069795	0	
140	N140	-2.166667	3	4.314587	0	
141	N141	-5.958333	3	4.069795	0	
142	N142	-5.958333	3	4.314587	0	
143	N143	-0.545379	3	-7.194966	0	
144	N144	-0.757375	3	-7.317361	0	
145	N145	6.503713	3	3.125171	0	
146	N146	6.715708	3	3.002775	0	
147	N147	-6.295379	3	2.764327	0	
148	N148	-6.507375	3	2.641931	0	
149	N149	-4.420379	3	-0.483269	0	
150	N150	-4.632375	3	-0.605665	0	
151	N151	-2.462046	3	-3.875202	0	
152	N152	-2.674042	3	-3.997597	0	
153	N153	4.691213	3	-0.014172	0	
154	N154	4.903208	3	-0.136567	0	
155	N155	2.649546	3	-3.550442	0	
156	N156	2.861542	3	-3.672838	0	
157	N157	0.857879	3	-6.6537	0	
158	N158	1.069875	3	-6.776096	0	
159	N159	-4.75	3	4.069795	0	
160	N160	4.75	3	4.069795	0	
161	N161	-4.75	3	3.757295	0	
162	N162	4.75	3	3.757295	0	
163	N163	-1.149546	3	-6.148518	0	
164	N164	-5.899546	3	2.078723	0	
165	N165	-0.878913	3	-5.992268	0	
166	N166	-5.628913	3	2.234973	0	
167	N167	5.899546	3	2.078723	0	
168	N168	1.149546	3	-6.148518	0	
169	N169	5.628913	3	2.234973	0	
170	N170	0.878913	3	-5.992268	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff	HSS4X4X4	None	None	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Standoff Crossarm	HSS4X4X4	None	None	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Grating Angle	L2x2x3	None	None	A36 Gr.36	Typical	.722	.271	.271	.009
5	Connection Plate	PL1/2x6	None	None	A36 Gr.36	Typical	3	.063	9	.237
6	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Support Rail	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
8	Support Rail Corner	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design ...	Material	Design Rules
1	M1	N1	N2			Face Horizontal	None	None	A53 Gr.B	Typical
2	M2	N3	N4			Standoff	None	None	A500 Gr.B Rect	Typical
3	M3	N5	N6			Connection Plate	None	None	A36 Gr.36	Typical
4	M4	N6	N7			Connection Plate	None	None	A36 Gr.36	Typical
5	M5	N7	N8			Connection Plate	None	None	A36 Gr.36	Typical
6	M6	N9	N10			RIGID	None	None	RIGID	Typical
7	M7	N11	N12			RIGID	None	None	RIGID	Typical
8	M8	N13	N14			RIGID	None	None	RIGID	Typical
9	M9	N15	N16			RIGID	None	None	RIGID	Typical
10	M10	N17	N18			Standoff Crossarm	None	None	A500 Gr.B Rect	Typical
11	M11	N19	N20			Connection Plate	None	None	A36 Gr.36	Typical
12	M12	N20	N18			Connection Plate	None	None	A36 Gr.36	Typical
13	M13	N21	N22			Connection Plate	None	None	A36 Gr.36	Typical
14	M14	N22	N17			Connection Plate	None	None	A36 Gr.36	Typical
15	M15	N23	N24			Face Horizontal	None	None	A53 Gr.B	Typical
16	M16	N25	N26			Standoff	None	None	A500 Gr.B Rect	Typical
17	M17	N27	N28			Connection Plate	None	None	A36 Gr.36	Typical
18	M18	N28	N29			Connection Plate	None	None	A36 Gr.36	Typical
19	M19	N29	N30			Connection Plate	None	None	A36 Gr.36	Typical
20	M20	N31	N32			RIGID	None	None	RIGID	Typical
21	M21	N33	N34			RIGID	None	None	RIGID	Typical
22	M22	N35	N36			RIGID	None	None	RIGID	Typical
23	M23	N37	N38			RIGID	None	None	RIGID	Typical
24	M24	N39	N40			Standoff Crossarm	None	None	A500 Gr.B Rect	Typical
25	M25	N41	N42			Connection Plate	None	None	A36 Gr.36	Typical
26	M26	N42	N40			Connection Plate	None	None	A36 Gr.36	Typical
27	M27	N43	N44			Connection Plate	None	None	A36 Gr.36	Typical
28	M28	N44	N39			Connection Plate	None	None	A36 Gr.36	Typical
29	M29	N45	N46			Face Horizontal	None	None	A53 Gr.B	Typical
30	M30	N47	N48			Standoff	None	None	A500 Gr.B Rect	Typical
31	M31	N49	N50			Connection Plate	None	None	A36 Gr.36	Typical
32	M32	N50	N51			Connection Plate	None	None	A36 Gr.36	Typical
33	M33	N51	N52			Connection Plate	None	None	A36 Gr.36	Typical
34	M34	N53	N54			RIGID	None	None	RIGID	Typical
35	M35	N55	N56			RIGID	None	None	RIGID	Typical
36	M36	N57	N58			RIGID	None	None	RIGID	Typical
37	M37	N59	N60			RIGID	None	None	RIGID	Typical
38	M38	N61	N62			Standoff Crossarm	None	None	A500 Gr.B Rect	Typical
39	M39	N63	N64			Connection Plate	None	None	A36 Gr.36	Typical
40	M40	N64	N62			Connection Plate	None	None	A36 Gr.36	Typical
41	M41	N65	N66			Connection Plate	None	None	A36 Gr.36	Typical
42	M42	N66	N61			Connection Plate	None	None	A36 Gr.36	Typical
43	M43	N67	N68			RIGID	None	None	RIGID	Typical
44	M46	N47	N73			Grating Angle	None	None	A36 Gr.36	Typical
45	M47	N47	N74		270	Grating Angle	None	None	A36 Gr.36	Typical
46	M48	N3	N76			Grating Angle	None	None	A36 Gr.36	Typical
47	M49	N3	N77		270	Grating Angle	None	None	A36 Gr.36	Typical
48	M50	N25	N79			Grating Angle	None	None	A36 Gr.36	Typical
49	M51	N25	N80		270	Grating Angle	None	None	A36 Gr.36	Typical
50	M50A	N13	N80B			RIGID	None	None	RIGID	Typical
51	M51A	N80C	N81A			RIGID	None	None	RIGID	Typical
52	M52	N82	N83			RIGID	None	None	RIGID	Typical
53	M56	N97	N98			RIGID	None	None	RIGID	Typical
54	M60	N105	N106			RIGID	None	None	RIGID	Typical
55	MP1A	N89	N90			Mount Pipe	None	None	A53 Gr.B	Typical
56	MP2A	N87	N88			Mount Pipe	None	None	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design ...	Material	Design Rules
57	MP3A	N85	N86			Mount Pipe	None	None	A53 Gr.B	Typical
58	MP4A	N83A	N84			Mount Pipe	None	None	A53 Gr.B	Typical
59	MP4B	N111	N112			Mount Pipe	None	None	A53 Gr.B	Typical
60	M77A	N131A	N132			RIGID	None	None	RIGID	Typical
61	MP1B	N133	N134		120	Mount Pipe	None	None	A53 Gr.B	Typical
62	M67	N113	N114			RIGID	None	None	RIGID	Typical
63	MP2B	N115	N116			Mount Pipe	None	None	A53 Gr.B	Typical
64	M69	N117A	N118			RIGID	None	None	RIGID	Typical
65	MP3B	N119	N120			Mount Pipe	None	None	A53 Gr.B	Typical
66	M66	N111A	N112A			RIGID	None	None	RIGID	Typical
67	MP3C	N113A	N114A			Mount Pipe	None	None	A53 Gr.B	Typical
68	M68B	N115A	N116A			RIGID	None	None	RIGID	Typical
69	MP2C	N117B	N118A			Mount Pipe	None	None	A53 Gr.B	Typical
70	M70A	N119A	N120A			RIGID	None	None	RIGID	Typical
71	MP1C	N121	N122			Mount Pipe	None	None	A53 Gr.B	Typical
72	MP4C	N123	N124			Mount Pipe	None	None	A53 Gr.B	Typical
73	M73	N125	N126			RIGID	None	None	RIGID	Typical
74	SP12	N127	N128			Mount Pipe	None	None	A53 Gr.B	Typical
75	M75	N129	N130			Support Rail	None	None	A53 Gr.B	Typical
76	M76	N132A	N133A			Support Rail	None	None	A53 Gr.B	Typical
77	M77	N134A	N135			Support Rail	None	None	A53 Gr.B	Typical
78	M78	N136	N137			RIGID	None	None	RIGID	Typical
79	M79	N131	N138			RIGID	None	None	RIGID	Typical
80	M80	N139	N140			RIGID	None	None	RIGID	Typical
81	M81	N141	N142			RIGID	None	None	RIGID	Typical
82	M82	N143	N144			RIGID	None	None	RIGID	Typical
83	M83	N145	N146			RIGID	None	None	RIGID	Typical
84	M84	N147	N148			RIGID	None	None	RIGID	Typical
85	M85	N149	N150			RIGID	None	None	RIGID	Typical
86	M86	N151	N152			RIGID	None	None	RIGID	Typical
87	M87	N153	N154			RIGID	None	None	RIGID	Typical
88	M88	N155	N156			RIGID	None	None	RIGID	Typical
89	M89	N157	N158			RIGID	None	None	RIGID	Typical
90	M90	N159	N161			RIGID	None	None	RIGID	Typical
91	M91	N160	N162			RIGID	None	None	RIGID	Typical
92	M92	N163	N165			RIGID	None	None	RIGID	Typical
93	M93	N164	N166			RIGID	None	None	RIGID	Typical
94	M94	N167	N169			RIGID	None	None	RIGID	Typical
95	M95	N168	N170			RIGID	None	None	RIGID	Typical
96	M96	N166	N161		180	Support Rail Corner	None	None	A36 Gr.36	Typical
97	M97	N170	N165		180	Support Rail Corner	None	None	A36 Gr.36	Typical
98	M98	N162	N169		180	Support Rail Corner	None	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[i...	T/C Only	Physi...	Defl Ratio Opti...	Analysis Offset[in]	Inactive	Seis...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6	BenPIN					Yes	** NA **			None
7	M7	BenPIN					Yes	** NA **			None
8	M8	BenPIN					Yes	** NA **			None
9	M9	BenPIN					Yes	** NA **			None
10	M10						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[i...	T/C Only	Physi...	Defl Ratio Opti...	Analysis Offset[in]	Inactive	Seis...
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20	BenPIN					Yes	** NA **			None
21	M21	BenPIN					Yes	** NA **			None
22	M22	BenPIN					Yes	** NA **			None
23	M23	BenPIN					Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34	BenPIN					Yes	** NA **			None
35	M35	BenPIN					Yes	** NA **			None
36	M36	BenPIN					Yes	** NA **			None
37	M37	BenPIN					Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M46						Yes	** NA **			None
45	M47						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M50A						Yes	** NA **			None
51	M51A						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M56						Yes	** NA **			None
54	M60						Yes	** NA **			None
55	MP1A						Yes	** NA **			None
56	MP2A						Yes	** NA **			None
57	MP3A						Yes	** NA **			None
58	MP4A						Yes	** NA **			None
59	MP4B						Yes	** NA **			None
60	M77A						Yes	** NA **			None
61	MP1B						Yes	** NA **			None
62	M67						Yes	** NA **			None
63	MP2B						Yes	** NA **			None
64	M69						Yes	** NA **			None
65	MP3B						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	MP3C						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[i...	T/C Only	Physi...	Defl Ratio Opti...	Analysis Offset[in]	Inactive	Seis...
68	M68B						Yes	** NA **			None
69	MP2C						Yes	** NA **			None
70	M70A						Yes	** NA **			None
71	MP1C						Yes	** NA **			None
72	MP4C						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	SP12						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90	OOOOOX					Yes	** NA **			None
91	M91	OOOOOX					Yes	** NA **			None
92	M92	OOOOOX					Yes	** NA **			None
93	M93	OOOOOX					Yes	** NA **			None
94	M94	OOOOOX					Yes	** NA **			None
95	M95	OOOOOX					Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None

Hot Rolled Steel Properties

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

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-8.5	.5
2	MP1A	My	-.006	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-8.5	6.25
5	MP1A	My	-.006	6.25
6	MP1A	Mz	0	6.25
7	MP1B	Y	-8.5	.5
8	MP1B	My	.004	.5
9	MP1B	Mz	-.005	.5
10	MP1B	Y	-8.5	6.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	My	.004	6.25
12	MP1B	Mz	-.005	6.25
13	MP1C	Y	-8.5	.5
14	MP1C	My	.004	.5
15	MP1C	Mz	.005	.5
16	MP1C	Y	-8.5	6.25
17	MP1C	My	.004	6.25
18	MP1C	Mz	.005	6.25
19	SP12	Y	-26.9	1.25
20	SP12	My	-.009	1.25
21	SP12	Mz	.01	1.25
22	MP3A	Y	-23	.5
23	MP3A	My	-.017	.5
24	MP3A	Mz	-.019	.5
25	MP3A	Y	-23	6.5
26	MP3A	My	-.017	6.5
27	MP3A	Mz	-.019	6.5
28	MP3B	Y	-23	.5
29	MP3B	My	.026	.5
30	MP3B	Mz	-.000894	.5
31	MP3B	Y	-23	6.5
32	MP3B	My	.026	6.5
33	MP3B	Mz	-.000894	6.5
34	MP3C	Y	-23	.5
35	MP3C	My	-.004	.5
36	MP3C	Mz	.026	.5
37	MP3C	Y	-23	6.5
38	MP3C	My	-.004	6.5
39	MP3C	Mz	.026	6.5
40	MP3A	Y	-23	.5
41	MP3A	My	-.017	.5
42	MP3A	Mz	.019	.5
43	MP3A	Y	-23	6.5
44	MP3A	My	-.017	6.5
45	MP3A	Mz	.019	6.5
46	MP3B	Y	-23	.5
47	MP3B	My	-.004	.5
48	MP3B	Mz	-.026	.5
49	MP3B	Y	-23	6.5
50	MP3B	My	-.004	6.5
51	MP3B	Mz	-.026	6.5
52	MP3C	Y	-23	.5
53	MP3C	My	.026	.5
54	MP3C	Mz	.000894	.5
55	MP3C	Y	-23	6.5
56	MP3C	My	.026	6.5
57	MP3C	Mz	.000894	6.5
58	MP4A	Y	-43.55	2.17
59	MP4A	My	-.033	2.17
60	MP4A	Mz	0	2.17
61	MP4A	Y	-43.55	5
62	MP4A	My	-.033	5
63	MP4A	Mz	0	5
64	MP4B	Y	-43.55	2.17
65	MP4B	My	.021	2.17
66	MP4B	Mz	-.025	2.17
67	MP4B	Y	-43.55	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	My	.021	5
69	MP4B	Mz	-.025	5
70	MP4C	Y	-43.55	2.17
71	MP4C	My	.021	2.17
72	MP4C	Mz	.025	2.17
73	MP4C	Y	-43.55	5
74	MP4C	My	.021	5
75	MP4C	Mz	.025	5
76	MP2A	Y	-42.2	2
77	MP2A	My	.042	2
78	MP2A	Mz	0	2
79	MP2A	Y	-42.2	2
80	MP2A	My	.042	2
81	MP2A	Mz	0	2
82	MP2B	Y	-42.2	2
83	MP2B	My	-.027	2
84	MP2B	Mz	.032	2
85	MP2B	Y	-42.2	2
86	MP2B	My	-.027	2
87	MP2B	Mz	.032	2
88	MP2C	Y	-42.2	2
89	MP2C	My	-.027	2
90	MP2C	Mz	-.032	2
91	MP2C	Y	-42.2	2
92	MP2C	My	-.027	2
93	MP2C	Mz	-.032	2
94	MP2A	Y	-35.15	5
95	MP2A	My	.035	5
96	MP2A	Mz	0	5
97	MP2A	Y	-35.15	5
98	MP2A	My	.035	5
99	MP2A	Mz	0	5
100	MP2B	Y	-35.15	5
101	MP2B	My	-.023	5
102	MP2B	Mz	.027	5
103	MP2B	Y	-35.15	5
104	MP2B	My	-.023	5
105	MP2B	Mz	.027	5
106	MP2C	Y	-35.15	5
107	MP2C	My	-.023	5
108	MP2C	Mz	-.027	5
109	MP2C	Y	-35.15	5
110	MP2C	My	-.023	5
111	MP2C	Mz	-.027	5
112	SP12	Y	-26.9	1.75
113	SP12	My	-.009	1.75
114	SP12	Mz	.01	1.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-45.544	.5
2	MP1A	My	-.034	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-45.544	6.25
5	MP1A	My	-.034	6.25
6	MP1A	Mz	0	6.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	Y	-45.544	.5
8	MP1B	My	.022	.5
9	MP1B	Mz	-.026	.5
10	MP1B	Y	-45.544	6.25
11	MP1B	My	.022	6.25
12	MP1B	Mz	-.026	6.25
13	MP1C	Y	-45.544	.5
14	MP1C	My	.022	.5
15	MP1C	Mz	.026	.5
16	MP1C	Y	-45.544	6.25
17	MP1C	My	.022	6.25
18	MP1C	Mz	.026	6.25
19	SP12	Y	-50.833	1.25
20	SP12	My	-.016	1.25
21	SP12	Mz	.019	1.25
22	MP3A	Y	-76.014	.5
23	MP3A	My	-.057	.5
24	MP3A	Mz	-.063	.5
25	MP3A	Y	-76.014	6.5
26	MP3A	My	-.057	6.5
27	MP3A	Mz	-.063	6.5
28	MP3B	Y	-76.014	.5
29	MP3B	My	.085	.5
30	MP3B	Mz	-.003	.5
31	MP3B	Y	-76.014	6.5
32	MP3B	My	.085	6.5
33	MP3B	Mz	-.003	6.5
34	MP3C	Y	-76.014	.5
35	MP3C	My	-.012	.5
36	MP3C	Mz	.084	.5
37	MP3C	Y	-76.014	6.5
38	MP3C	My	-.012	6.5
39	MP3C	Mz	.084	6.5
40	MP3A	Y	-76.014	.5
41	MP3A	My	-.057	.5
42	MP3A	Mz	.063	.5
43	MP3A	Y	-76.014	6.5
44	MP3A	My	-.057	6.5
45	MP3A	Mz	.063	6.5
46	MP3B	Y	-76.014	.5
47	MP3B	My	-.012	.5
48	MP3B	Mz	-.084	.5
49	MP3B	Y	-76.014	6.5
50	MP3B	My	-.012	6.5
51	MP3B	Mz	-.084	6.5
52	MP3C	Y	-76.014	.5
53	MP3C	My	.085	.5
54	MP3C	Mz	.003	.5
55	MP3C	Y	-76.014	6.5
56	MP3C	My	.085	6.5
57	MP3C	Mz	.003	6.5
58	MP4A	Y	-32.753	2.17
59	MP4A	My	-.025	2.17
60	MP4A	Mz	0	2.17
61	MP4A	Y	-32.753	5
62	MP4A	My	-.025	5
63	MP4A	Mz	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP4B	Y	-32.753	2.17
65	MP4B	My	.016	2.17
66	MP4B	Mz	-.019	2.17
67	MP4B	Y	-32.753	5
68	MP4B	My	.016	5
69	MP4B	Mz	-.019	5
70	MP4C	Y	-32.753	2.17
71	MP4C	My	.016	2.17
72	MP4C	Mz	.019	2.17
73	MP4C	Y	-32.753	5
74	MP4C	My	.016	5
75	MP4C	Mz	.019	5
76	MP2A	Y	-20.622	2
77	MP2A	My	.021	2
78	MP2A	Mz	0	2
79	MP2A	Y	-20.622	2
80	MP2A	My	.021	2
81	MP2A	Mz	0	2
82	MP2B	Y	-20.622	2
83	MP2B	My	-.013	2
84	MP2B	Mz	.016	2
85	MP2B	Y	-20.622	2
86	MP2B	My	-.013	2
87	MP2B	Mz	.016	2
88	MP2C	Y	-20.622	2
89	MP2C	My	-.013	2
90	MP2C	Mz	-.016	2
91	MP2C	Y	-20.622	2
92	MP2C	My	-.013	2
93	MP2C	Mz	-.016	2
94	MP2A	Y	-18.535	5
95	MP2A	My	.019	5
96	MP2A	Mz	0	5
97	MP2A	Y	-18.535	5
98	MP2A	My	.019	5
99	MP2A	Mz	0	5
100	MP2B	Y	-18.535	5
101	MP2B	My	-.012	5
102	MP2B	Mz	.014	5
103	MP2B	Y	-18.535	5
104	MP2B	My	-.012	5
105	MP2B	Mz	.014	5
106	MP2C	Y	-18.535	5
107	MP2C	My	-.012	5
108	MP2C	Mz	-.014	5
109	MP2C	Y	-18.535	5
110	MP2C	My	-.012	5
111	MP2C	Mz	-.014	5
112	SP12	Y	-50.833	1.75
113	SP12	My	-.016	1.75
114	SP12	Mz	.019	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-101.879	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	-101.879	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	-71.753	.5
9	MP1B	Mx	.041	.5
10	MP1B	X	0	6.25
11	MP1B	Z	-71.753	6.25
12	MP1B	Mx	.041	6.25
13	MP1C	X	0	.5
14	MP1C	Z	-71.753	.5
15	MP1C	Mx	-.041	.5
16	MP1C	X	0	6.25
17	MP1C	Z	-71.753	6.25
18	MP1C	Mx	-.041	6.25
19	SP12	X	0	1.25
20	SP12	Z	-53.447	1.25
21	SP12	Mx	-.02	1.25
22	MP3A	X	0	.5
23	MP3A	Z	-132.832	.5
24	MP3A	Mx	.111	.5
25	MP3A	X	0	6.5
26	MP3A	Z	-132.832	6.5
27	MP3A	Mx	.111	6.5
28	MP3B	X	0	.5
29	MP3B	Z	-112.835	.5
30	MP3B	Mx	.004	.5
31	MP3B	X	0	6.5
32	MP3B	Z	-112.835	6.5
33	MP3B	Mx	.004	6.5
34	MP3C	X	0	.5
35	MP3C	Z	-112.835	.5
36	MP3C	Mx	-.125	.5
37	MP3C	X	0	6.5
38	MP3C	Z	-112.835	6.5
39	MP3C	Mx	-.125	6.5
40	MP3A	X	0	.5
41	MP3A	Z	-132.832	.5
42	MP3A	Mx	-.111	.5
43	MP3A	X	0	6.5
44	MP3A	Z	-132.832	6.5
45	MP3A	Mx	-.111	6.5
46	MP3B	X	0	.5
47	MP3B	Z	-112.835	.5
48	MP3B	Mx	.125	.5
49	MP3B	X	0	6.5
50	MP3B	Z	-112.835	6.5
51	MP3B	Mx	.125	6.5
52	MP3C	X	0	.5
53	MP3C	Z	-112.835	.5
54	MP3C	Mx	-.004	.5
55	MP3C	X	0	6.5
56	MP3C	Z	-112.835	6.5
57	MP3C	Mx	-.004	6.5
58	MP4A	X	0	2.17
59	MP4A	Z	-63.254	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	-63.254	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	-40.667	2.17
66	MP4B	Mx	.023	2.17
67	MP4B	X	0	5
68	MP4B	Z	-40.667	5
69	MP4B	Mx	.023	5
70	MP4C	X	0	2.17
71	MP4C	Z	-40.667	2.17
72	MP4C	Mx	-.023	2.17
73	MP4C	X	0	5
74	MP4C	Z	-40.667	5
75	MP4C	Mx	-.023	5
76	MP2A	X	0	2
77	MP2A	Z	-25.167	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	-25.167	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	-20.27	2
84	MP2B	Mx	-.016	2
85	MP2B	X	0	2
86	MP2B	Z	-20.27	2
87	MP2B	Mx	-.016	2
88	MP2C	X	0	2
89	MP2C	Z	-20.27	2
90	MP2C	Mx	.016	2
91	MP2C	X	0	2
92	MP2C	Z	-20.27	2
93	MP2C	Mx	.016	2
94	MP2A	X	0	5
95	MP2A	Z	-25.167	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	-25.167	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	-18.395	5
102	MP2B	Mx	-.014	5
103	MP2B	X	0	5
104	MP2B	Z	-18.395	5
105	MP2B	Mx	-.014	5
106	MP2C	X	0	5
107	MP2C	Z	-18.395	5
108	MP2C	Mx	.014	5
109	MP2C	X	0	5
110	MP2C	Z	-18.395	5
111	MP2C	Mx	.014	5
112	SP12	X	0	1.75
113	SP12	Z	-53.447	1.75
114	SP12	Mx	-.02	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	44.522	.5
2	MP1A	Z	-77.115	.5
3	MP1A	Mx	-.033	.5
4	MP1A	X	44.522	6.25
5	MP1A	Z	-77.115	6.25
6	MP1A	Mx	-.033	6.25
7	MP1B	X	26.045	.5
8	MP1B	Z	-45.111	.5
9	MP1B	Mx	.038	.5
10	MP1B	X	26.045	6.25
11	MP1B	Z	-45.111	6.25
12	MP1B	Mx	.038	6.25
13	MP1C	X	47.937	.5
14	MP1C	Z	-83.029	.5
15	MP1C	Mx	-.025	.5
16	MP1C	X	47.937	6.25
17	MP1C	Z	-83.029	6.25
18	MP1C	Mx	-.025	6.25
19	SP12	X	22.205	1.25
20	SP12	Z	-38.46	1.25
21	SP12	Mx	-.022	1.25
22	MP3A	X	62.157	.5
23	MP3A	Z	-107.658	.5
24	MP3A	Mx	.043	.5
25	MP3A	X	62.157	6.5
26	MP3A	Z	-107.658	6.5
27	MP3A	Mx	.043	6.5
28	MP3B	X	49.892	.5
29	MP3B	Z	-86.415	.5
30	MP3B	Mx	.059	.5
31	MP3B	X	49.892	6.5
32	MP3B	Z	-86.415	6.5
33	MP3B	Mx	.059	6.5
34	MP3C	X	64.423	.5
35	MP3C	Z	-111.584	.5
36	MP3C	Mx	-.134	.5
37	MP3C	X	64.423	6.5
38	MP3C	Z	-111.584	6.5
39	MP3C	Mx	-.134	6.5
40	MP3A	X	62.157	.5
41	MP3A	Z	-107.658	.5
42	MP3A	Mx	-.136	.5
43	MP3A	X	62.157	6.5
44	MP3A	Z	-107.658	6.5
45	MP3A	Mx	-.136	6.5
46	MP3B	X	49.892	.5
47	MP3B	Z	-86.415	.5
48	MP3B	Mx	.088	.5
49	MP3B	X	49.892	6.5
50	MP3B	Z	-86.415	6.5
51	MP3B	Mx	.088	6.5
52	MP3C	X	64.423	.5
53	MP3C	Z	-111.584	.5
54	MP3C	Mx	.068	.5
55	MP3C	X	64.423	6.5
56	MP3C	Z	-111.584	6.5
57	MP3C	Mx	.068	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	26.816	2.17
59	MP4A	Z	-46.446	2.17
60	MP4A	Mx	-.02	2.17
61	MP4A	X	26.816	5
62	MP4A	Z	-46.446	5
63	MP4A	Mx	-.02	5
64	MP4B	X	12.962	2.17
65	MP4B	Z	-22.451	2.17
66	MP4B	Mx	.019	2.17
67	MP4B	X	12.962	5
68	MP4B	Z	-22.451	5
69	MP4B	Mx	.019	5
70	MP4C	X	29.376	2.17
71	MP4C	Z	-50.88	2.17
72	MP4C	Mx	-.015	2.17
73	MP4C	X	29.376	5
74	MP4C	Z	-50.88	5
75	MP4C	Mx	-.015	5
76	MP2A	X	11.54	2
77	MP2A	Z	-19.989	2
78	MP2A	Mx	.012	2
79	MP2A	X	11.54	2
80	MP2A	Z	-19.989	2
81	MP2A	Mx	.012	2
82	MP2B	X	8.537	2
83	MP2B	Z	-14.787	2
84	MP2B	Mx	-.017	2
85	MP2B	X	8.537	2
86	MP2B	Z	-14.787	2
87	MP2B	Mx	-.017	2
88	MP2C	X	12.095	2
89	MP2C	Z	-20.95	2
90	MP2C	Mx	.008	2
91	MP2C	X	12.095	2
92	MP2C	Z	-20.95	2
93	MP2C	Mx	.008	2
94	MP2A	X	11.141	5
95	MP2A	Z	-19.297	5
96	MP2A	Mx	.011	5
97	MP2A	X	11.141	5
98	MP2A	Z	-19.297	5
99	MP2A	Mx	.011	5
100	MP2B	X	6.987	5
101	MP2B	Z	-12.102	5
102	MP2B	Mx	-.014	5
103	MP2B	X	6.987	5
104	MP2B	Z	-12.102	5
105	MP2B	Mx	-.014	5
106	MP2C	X	11.908	5
107	MP2C	Z	-20.626	5
108	MP2C	Mx	.008	5
109	MP2C	X	11.908	5
110	MP2C	Z	-20.626	5
111	MP2C	Mx	.008	5
112	SP12	X	22.205	1.75
113	SP12	Z	-38.46	1.75
114	SP12	Mx	-.022	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	54.885	.5
2	MP1A	Z	-31.688	.5
3	MP1A	Mx	-.041	.5
4	MP1A	X	54.885	6.25
5	MP1A	Z	-31.688	6.25
6	MP1A	Mx	-.041	6.25
7	MP1B	X	48.971	.5
8	MP1B	Z	-28.273	.5
9	MP1B	Mx	.04	.5
10	MP1B	X	48.971	6.25
11	MP1B	Z	-28.273	6.25
12	MP1B	Mx	.04	6.25
13	MP1C	X	86.889	.5
14	MP1C	Z	-50.165	.5
15	MP1C	Mx	.013	.5
16	MP1C	X	86.889	6.25
17	MP1C	Z	-50.165	6.25
18	MP1C	Mx	.013	6.25
19	SP12	X	40.234	1.25
20	SP12	Z	-23.229	1.25
21	SP12	Mx	-.022	1.25
22	MP3A	X	92.903	.5
23	MP3A	Z	-53.637	.5
24	MP3A	Mx	-.025	.5
25	MP3A	X	92.903	6.5
26	MP3A	Z	-53.637	6.5
27	MP3A	Mx	-.025	6.5
28	MP3B	X	88.977	.5
29	MP3B	Z	-51.371	.5
30	MP3B	Mx	.102	.5
31	MP3B	X	88.977	6.5
32	MP3B	Z	-51.371	6.5
33	MP3B	Mx	.102	6.5
34	MP3C	X	114.146	.5
35	MP3C	Z	-65.902	.5
36	MP3C	Mx	-.091	.5
37	MP3C	X	114.146	6.5
38	MP3C	Z	-65.902	6.5
39	MP3C	Mx	-.091	6.5
40	MP3A	X	92.903	.5
41	MP3A	Z	-53.637	.5
42	MP3A	Mx	-.114	.5
43	MP3A	X	92.903	6.5
44	MP3A	Z	-53.637	6.5
45	MP3A	Mx	-.114	6.5
46	MP3B	X	88.977	.5
47	MP3B	Z	-51.371	.5
48	MP3B	Mx	.043	.5
49	MP3B	X	88.977	6.5
50	MP3B	Z	-51.371	6.5
51	MP3B	Mx	.043	6.5
52	MP3C	X	114.146	.5
53	MP3C	Z	-65.902	.5
54	MP3C	Mx	.125	.5
55	MP3C	X	114.146	6.5
56	MP3C	Z	-65.902	6.5
57	MP3C	Mx	.125	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	29.779	2.17
59	MP4A	Z	-17.193	2.17
60	MP4A	Mx	-.022	2.17
61	MP4A	X	29.779	5
62	MP4A	Z	-17.193	5
63	MP4A	Mx	-.022	5
64	MP4B	X	25.345	2.17
65	MP4B	Z	-14.633	2.17
66	MP4B	Mx	.021	2.17
67	MP4B	X	25.345	5
68	MP4B	Z	-14.633	5
69	MP4B	Mx	.021	5
70	MP4C	X	53.774	2.17
71	MP4C	Z	-31.046	2.17
72	MP4C	Mx	.008	2.17
73	MP4C	X	53.774	5
74	MP4C	Z	-31.046	5
75	MP4C	Mx	.008	5
76	MP2A	X	16.375	2
77	MP2A	Z	-9.454	2
78	MP2A	Mx	.016	2
79	MP2A	X	16.375	2
80	MP2A	Z	-9.454	2
81	MP2A	Mx	.016	2
82	MP2B	X	15.414	2
83	MP2B	Z	-8.899	2
84	MP2B	Mx	-.017	2
85	MP2B	X	15.414	2
86	MP2B	Z	-8.899	2
87	MP2B	Mx	-.017	2
88	MP2C	X	21.577	2
89	MP2C	Z	-12.458	2
90	MP2C	Mx	-.004	2
91	MP2C	X	21.577	2
92	MP2C	Z	-12.458	2
93	MP2C	Mx	-.004	2
94	MP2A	X	14.299	5
95	MP2A	Z	-8.256	5
96	MP2A	Mx	.014	5
97	MP2A	X	14.299	5
98	MP2A	Z	-8.256	5
99	MP2A	Mx	.014	5
100	MP2B	X	12.97	5
101	MP2B	Z	-7.488	5
102	MP2B	Mx	-.014	5
103	MP2B	X	12.97	5
104	MP2B	Z	-7.488	5
105	MP2B	Mx	-.014	5
106	MP2C	X	21.494	5
107	MP2C	Z	-12.409	5
108	MP2C	Mx	-.004	5
109	MP2C	X	21.494	5
110	MP2C	Z	-12.409	5
111	MP2C	Mx	-.004	5
112	SP12	X	40.234	1.75
113	SP12	Z	-23.229	1.75
114	SP12	Mx	-.022	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	50.541	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.038	.5
4	MP1A	X	50.541	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	-.038	6.25
7	MP1B	X	80.667	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.039	.5
10	MP1B	X	80.667	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	.039	6.25
13	MP1C	X	80.667	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.039	.5
16	MP1C	X	80.667	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	.039	6.25
19	SP12	X	57.543	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	-.018	1.25
22	MP3A	X	98.756	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.074	.5
25	MP3A	X	98.756	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	-.074	6.5
28	MP3B	X	118.753	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.133	.5
31	MP3B	X	118.753	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	.133	6.5
34	MP3C	X	118.753	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.019	.5
37	MP3C	X	118.753	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	-.019	6.5
40	MP3A	X	98.756	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	-.074	.5
43	MP3A	X	98.756	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	-.074	6.5
46	MP3B	X	118.753	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	-.019	.5
49	MP3B	X	118.753	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	-.019	6.5
52	MP3C	X	118.753	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	.133	.5
55	MP3C	X	118.753	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	.133	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	24.764	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	-.019	2.17
61	MP4A	X	24.764	5
62	MP4A	Z	0	5
63	MP4A	Mx	-.019	5
64	MP4B	X	47.35	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	.023	2.17
67	MP4B	X	47.35	5
68	MP4B	Z	0	5
69	MP4B	Mx	.023	5
70	MP4C	X	47.35	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	.023	2.17
73	MP4C	X	47.35	5
74	MP4C	Z	0	5
75	MP4C	Mx	.023	5
76	MP2A	X	16.823	2
77	MP2A	Z	0	2
78	MP2A	Mx	.017	2
79	MP2A	X	16.823	2
80	MP2A	Z	0	2
81	MP2A	Mx	.017	2
82	MP2B	X	21.719	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.014	2
85	MP2B	X	21.719	2
86	MP2B	Z	0	2
87	MP2B	Mx	-.014	2
88	MP2C	X	21.719	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.014	2
91	MP2C	X	21.719	2
92	MP2C	Z	0	2
93	MP2C	Mx	-.014	2
94	MP2A	X	13.626	5
95	MP2A	Z	0	5
96	MP2A	Mx	.014	5
97	MP2A	X	13.626	5
98	MP2A	Z	0	5
99	MP2A	Mx	.014	5
100	MP2B	X	20.399	5
101	MP2B	Z	0	5
102	MP2B	Mx	-.013	5
103	MP2B	X	20.399	5
104	MP2B	Z	0	5
105	MP2B	Mx	-.013	5
106	MP2C	X	20.399	5
107	MP2C	Z	0	5
108	MP2C	Mx	-.013	5
109	MP2C	X	20.399	5
110	MP2C	Z	0	5
111	MP2C	Mx	-.013	5
112	SP12	X	57.543	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	-.018	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	54.885	.5
2	MP1A	Z	31.688	.5
3	MP1A	Mx	-.041	.5
4	MP1A	X	54.885	6.25
5	MP1A	Z	31.688	6.25
6	MP1A	Mx	-.041	6.25
7	MP1B	X	86.889	.5
8	MP1B	Z	50.165	.5
9	MP1B	Mx	.013	.5
10	MP1B	X	86.889	6.25
11	MP1B	Z	50.165	6.25
12	MP1B	Mx	.013	6.25
13	MP1C	X	48.971	.5
14	MP1C	Z	28.273	.5
15	MP1C	Mx	.04	.5
16	MP1C	X	48.971	6.25
17	MP1C	Z	28.273	6.25
18	MP1C	Mx	.04	6.25
19	SP12	X	57.66	1.25
20	SP12	Z	33.29	1.25
21	SP12	Mx	-.006	1.25
22	MP3A	X	92.903	.5
23	MP3A	Z	53.637	.5
24	MP3A	Mx	-.114	.5
25	MP3A	X	92.903	6.5
26	MP3A	Z	53.637	6.5
27	MP3A	Mx	-.114	6.5
28	MP3B	X	114.146	.5
29	MP3B	Z	65.902	.5
30	MP3B	Mx	.125	.5
31	MP3B	X	114.146	6.5
32	MP3B	Z	65.902	6.5
33	MP3B	Mx	.125	6.5
34	MP3C	X	88.977	.5
35	MP3C	Z	51.371	.5
36	MP3C	Mx	.043	.5
37	MP3C	X	88.977	6.5
38	MP3C	Z	51.371	6.5
39	MP3C	Mx	.043	6.5
40	MP3A	X	92.903	.5
41	MP3A	Z	53.637	.5
42	MP3A	Mx	-.025	.5
43	MP3A	X	92.903	6.5
44	MP3A	Z	53.637	6.5
45	MP3A	Mx	-.025	6.5
46	MP3B	X	114.146	.5
47	MP3B	Z	65.902	.5
48	MP3B	Mx	-.091	.5
49	MP3B	X	114.146	6.5
50	MP3B	Z	65.902	6.5
51	MP3B	Mx	-.091	6.5
52	MP3C	X	88.977	.5
53	MP3C	Z	51.371	.5
54	MP3C	Mx	.102	.5
55	MP3C	X	88.977	6.5
56	MP3C	Z	51.371	6.5
57	MP3C	Mx	.102	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	29.779	2.17
59	MP4A	Z	17.193	2.17
60	MP4A	Mx	-.022	2.17
61	MP4A	X	29.779	5
62	MP4A	Z	17.193	5
63	MP4A	Mx	-.022	5
64	MP4B	X	53.774	2.17
65	MP4B	Z	31.046	2.17
66	MP4B	Mx	.008	2.17
67	MP4B	X	53.774	5
68	MP4B	Z	31.046	5
69	MP4B	Mx	.008	5
70	MP4C	X	25.345	2.17
71	MP4C	Z	14.633	2.17
72	MP4C	Mx	.021	2.17
73	MP4C	X	25.345	5
74	MP4C	Z	14.633	5
75	MP4C	Mx	.021	5
76	MP2A	X	16.375	2
77	MP2A	Z	9.454	2
78	MP2A	Mx	.016	2
79	MP2A	X	16.375	2
80	MP2A	Z	9.454	2
81	MP2A	Mx	.016	2
82	MP2B	X	21.577	2
83	MP2B	Z	12.458	2
84	MP2B	Mx	-.004	2
85	MP2B	X	21.577	2
86	MP2B	Z	12.458	2
87	MP2B	Mx	-.004	2
88	MP2C	X	15.414	2
89	MP2C	Z	8.899	2
90	MP2C	Mx	-.017	2
91	MP2C	X	15.414	2
92	MP2C	Z	8.899	2
93	MP2C	Mx	-.017	2
94	MP2A	X	14.299	5
95	MP2A	Z	8.256	5
96	MP2A	Mx	.014	5
97	MP2A	X	14.299	5
98	MP2A	Z	8.256	5
99	MP2A	Mx	.014	5
100	MP2B	X	21.494	5
101	MP2B	Z	12.409	5
102	MP2B	Mx	-.004	5
103	MP2B	X	21.494	5
104	MP2B	Z	12.409	5
105	MP2B	Mx	-.004	5
106	MP2C	X	12.97	5
107	MP2C	Z	7.488	5
108	MP2C	Mx	-.014	5
109	MP2C	X	12.97	5
110	MP2C	Z	7.488	5
111	MP2C	Mx	-.014	5
112	SP12	X	57.66	1.75
113	SP12	Z	33.29	1.75
114	SP12	Mx	-.006	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	44.522	.5
2	MP1A	Z	77.115	.5
3	MP1A	Mx	-.033	.5
4	MP1A	X	44.522	6.25
5	MP1A	Z	77.115	6.25
6	MP1A	Mx	-.033	6.25
7	MP1B	X	47.937	.5
8	MP1B	Z	83.029	.5
9	MP1B	Mx	-.025	.5
10	MP1B	X	47.937	6.25
11	MP1B	Z	83.029	6.25
12	MP1B	Mx	-.025	6.25
13	MP1C	X	26.045	.5
14	MP1C	Z	45.111	.5
15	MP1C	Mx	.038	.5
16	MP1C	X	26.045	6.25
17	MP1C	Z	45.111	6.25
18	MP1C	Mx	.038	6.25
19	SP12	X	32.266	1.25
20	SP12	Z	55.886	1.25
21	SP12	Mx	.011	1.25
22	MP3A	X	62.157	.5
23	MP3A	Z	107.658	.5
24	MP3A	Mx	-.136	.5
25	MP3A	X	62.157	6.5
26	MP3A	Z	107.658	6.5
27	MP3A	Mx	-.136	6.5
28	MP3B	X	64.423	.5
29	MP3B	Z	111.584	.5
30	MP3B	Mx	.068	.5
31	MP3B	X	64.423	6.5
32	MP3B	Z	111.584	6.5
33	MP3B	Mx	.068	6.5
34	MP3C	X	49.892	.5
35	MP3C	Z	86.415	.5
36	MP3C	Mx	.088	.5
37	MP3C	X	49.892	6.5
38	MP3C	Z	86.415	6.5
39	MP3C	Mx	.088	6.5
40	MP3A	X	62.157	.5
41	MP3A	Z	107.658	.5
42	MP3A	Mx	.043	.5
43	MP3A	X	62.157	6.5
44	MP3A	Z	107.658	6.5
45	MP3A	Mx	.043	6.5
46	MP3B	X	64.423	.5
47	MP3B	Z	111.584	.5
48	MP3B	Mx	-.134	.5
49	MP3B	X	64.423	6.5
50	MP3B	Z	111.584	6.5
51	MP3B	Mx	-.134	6.5
52	MP3C	X	49.892	.5
53	MP3C	Z	86.415	.5
54	MP3C	Mx	.059	.5
55	MP3C	X	49.892	6.5
56	MP3C	Z	86.415	6.5
57	MP3C	Mx	.059	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	26.816	2.17
59	MP4A	Z	46.446	2.17
60	MP4A	Mx	-.02	2.17
61	MP4A	X	26.816	5
62	MP4A	Z	46.446	5
63	MP4A	Mx	-.02	5
64	MP4B	X	29.376	2.17
65	MP4B	Z	50.88	2.17
66	MP4B	Mx	-.015	2.17
67	MP4B	X	29.376	5
68	MP4B	Z	50.88	5
69	MP4B	Mx	-.015	5
70	MP4C	X	12.962	2.17
71	MP4C	Z	22.451	2.17
72	MP4C	Mx	.019	2.17
73	MP4C	X	12.962	5
74	MP4C	Z	22.451	5
75	MP4C	Mx	.019	5
76	MP2A	X	11.54	2
77	MP2A	Z	19.989	2
78	MP2A	Mx	.012	2
79	MP2A	X	11.54	2
80	MP2A	Z	19.989	2
81	MP2A	Mx	.012	2
82	MP2B	X	12.095	2
83	MP2B	Z	20.95	2
84	MP2B	Mx	.008	2
85	MP2B	X	12.095	2
86	MP2B	Z	20.95	2
87	MP2B	Mx	.008	2
88	MP2C	X	8.537	2
89	MP2C	Z	14.787	2
90	MP2C	Mx	-.017	2
91	MP2C	X	8.537	2
92	MP2C	Z	14.787	2
93	MP2C	Mx	-.017	2
94	MP2A	X	11.141	5
95	MP2A	Z	19.297	5
96	MP2A	Mx	.011	5
97	MP2A	X	11.141	5
98	MP2A	Z	19.297	5
99	MP2A	Mx	.011	5
100	MP2B	X	11.908	5
101	MP2B	Z	20.626	5
102	MP2B	Mx	.008	5
103	MP2B	X	11.908	5
104	MP2B	Z	20.626	5
105	MP2B	Mx	.008	5
106	MP2C	X	6.987	5
107	MP2C	Z	12.102	5
108	MP2C	Mx	-.014	5
109	MP2C	X	6.987	5
110	MP2C	Z	12.102	5
111	MP2C	Mx	-.014	5
112	SP12	X	32.266	1.75
113	SP12	Z	55.886	1.75
114	SP12	Mx	.011	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	101.879	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	101.879	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	71.753	.5
9	MP1B	Mx	-.041	.5
10	MP1B	X	0	6.25
11	MP1B	Z	71.753	6.25
12	MP1B	Mx	-.041	6.25
13	MP1C	X	0	.5
14	MP1C	Z	71.753	.5
15	MP1C	Mx	.041	.5
16	MP1C	X	0	6.25
17	MP1C	Z	71.753	6.25
18	MP1C	Mx	.041	6.25
19	SP12	X	0	1.25
20	SP12	Z	53.447	1.25
21	SP12	Mx	.02	1.25
22	MP3A	X	0	.5
23	MP3A	Z	132.832	.5
24	MP3A	Mx	-.111	.5
25	MP3A	X	0	6.5
26	MP3A	Z	132.832	6.5
27	MP3A	Mx	-.111	6.5
28	MP3B	X	0	.5
29	MP3B	Z	112.835	.5
30	MP3B	Mx	-.004	.5
31	MP3B	X	0	6.5
32	MP3B	Z	112.835	6.5
33	MP3B	Mx	-.004	6.5
34	MP3C	X	0	.5
35	MP3C	Z	112.835	.5
36	MP3C	Mx	.125	.5
37	MP3C	X	0	6.5
38	MP3C	Z	112.835	6.5
39	MP3C	Mx	.125	6.5
40	MP3A	X	0	.5
41	MP3A	Z	132.832	.5
42	MP3A	Mx	.111	.5
43	MP3A	X	0	6.5
44	MP3A	Z	132.832	6.5
45	MP3A	Mx	.111	6.5
46	MP3B	X	0	.5
47	MP3B	Z	112.835	.5
48	MP3B	Mx	-.125	.5
49	MP3B	X	0	6.5
50	MP3B	Z	112.835	6.5
51	MP3B	Mx	-.125	6.5
52	MP3C	X	0	.5
53	MP3C	Z	112.835	.5
54	MP3C	Mx	.004	.5
55	MP3C	X	0	6.5
56	MP3C	Z	112.835	6.5
57	MP3C	Mx	.004	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2.17
59	MP4A	Z	63.254	2.17
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	63.254	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	40.667	2.17
66	MP4B	Mx	-.023	2.17
67	MP4B	X	0	5
68	MP4B	Z	40.667	5
69	MP4B	Mx	-.023	5
70	MP4C	X	0	2.17
71	MP4C	Z	40.667	2.17
72	MP4C	Mx	.023	2.17
73	MP4C	X	0	5
74	MP4C	Z	40.667	5
75	MP4C	Mx	.023	5
76	MP2A	X	0	2
77	MP2A	Z	25.167	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	25.167	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	20.27	2
84	MP2B	Mx	.016	2
85	MP2B	X	0	2
86	MP2B	Z	20.27	2
87	MP2B	Mx	.016	2
88	MP2C	X	0	2
89	MP2C	Z	20.27	2
90	MP2C	Mx	-.016	2
91	MP2C	X	0	2
92	MP2C	Z	20.27	2
93	MP2C	Mx	-.016	2
94	MP2A	X	0	5
95	MP2A	Z	25.167	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	25.167	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	18.395	5
102	MP2B	Mx	.014	5
103	MP2B	X	0	5
104	MP2B	Z	18.395	5
105	MP2B	Mx	.014	5
106	MP2C	X	0	5
107	MP2C	Z	18.395	5
108	MP2C	Mx	-.014	5
109	MP2C	X	0	5
110	MP2C	Z	18.395	5
111	MP2C	Mx	-.014	5
112	SP12	X	0	1.75
113	SP12	Z	53.447	1.75
114	SP12	Mx	.02	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.522	.5
2	MP1A	Z	77.115	.5
3	MP1A	Mx	.033	.5
4	MP1A	X	-44.522	6.25
5	MP1A	Z	77.115	6.25
6	MP1A	Mx	.033	6.25
7	MP1B	X	-26.045	.5
8	MP1B	Z	45.111	.5
9	MP1B	Mx	-.038	.5
10	MP1B	X	-26.045	6.25
11	MP1B	Z	45.111	6.25
12	MP1B	Mx	-.038	6.25
13	MP1C	X	-47.937	.5
14	MP1C	Z	83.029	.5
15	MP1C	Mx	.025	.5
16	MP1C	X	-47.937	6.25
17	MP1C	Z	83.029	6.25
18	MP1C	Mx	.025	6.25
19	SP12	X	-22.205	1.25
20	SP12	Z	38.46	1.25
21	SP12	Mx	.022	1.25
22	MP3A	X	-62.157	.5
23	MP3A	Z	107.658	.5
24	MP3A	Mx	-.043	.5
25	MP3A	X	-62.157	6.5
26	MP3A	Z	107.658	6.5
27	MP3A	Mx	-.043	6.5
28	MP3B	X	-49.892	.5
29	MP3B	Z	86.415	.5
30	MP3B	Mx	-.059	.5
31	MP3B	X	-49.892	6.5
32	MP3B	Z	86.415	6.5
33	MP3B	Mx	-.059	6.5
34	MP3C	X	-64.423	.5
35	MP3C	Z	111.584	.5
36	MP3C	Mx	.134	.5
37	MP3C	X	-64.423	6.5
38	MP3C	Z	111.584	6.5
39	MP3C	Mx	.134	6.5
40	MP3A	X	-62.157	.5
41	MP3A	Z	107.658	.5
42	MP3A	Mx	.136	.5
43	MP3A	X	-62.157	6.5
44	MP3A	Z	107.658	6.5
45	MP3A	Mx	.136	6.5
46	MP3B	X	-49.892	.5
47	MP3B	Z	86.415	.5
48	MP3B	Mx	-.088	.5
49	MP3B	X	-49.892	6.5
50	MP3B	Z	86.415	6.5
51	MP3B	Mx	-.088	6.5
52	MP3C	X	-64.423	.5
53	MP3C	Z	111.584	.5
54	MP3C	Mx	-.068	.5
55	MP3C	X	-64.423	6.5
56	MP3C	Z	111.584	6.5
57	MP3C	Mx	-.068	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-26.816	2.17
59	MP4A	Z	46.446	2.17
60	MP4A	Mx	.02	2.17
61	MP4A	X	-26.816	5
62	MP4A	Z	46.446	5
63	MP4A	Mx	.02	5
64	MP4B	X	-12.962	2.17
65	MP4B	Z	22.451	2.17
66	MP4B	Mx	-.019	2.17
67	MP4B	X	-12.962	5
68	MP4B	Z	22.451	5
69	MP4B	Mx	-.019	5
70	MP4C	X	-29.376	2.17
71	MP4C	Z	50.88	2.17
72	MP4C	Mx	.015	2.17
73	MP4C	X	-29.376	5
74	MP4C	Z	50.88	5
75	MP4C	Mx	.015	5
76	MP2A	X	-11.54	2
77	MP2A	Z	19.989	2
78	MP2A	Mx	-.012	2
79	MP2A	X	-11.54	2
80	MP2A	Z	19.989	2
81	MP2A	Mx	-.012	2
82	MP2B	X	-8.537	2
83	MP2B	Z	14.787	2
84	MP2B	Mx	.017	2
85	MP2B	X	-8.537	2
86	MP2B	Z	14.787	2
87	MP2B	Mx	.017	2
88	MP2C	X	-12.095	2
89	MP2C	Z	20.95	2
90	MP2C	Mx	-.008	2
91	MP2C	X	-12.095	2
92	MP2C	Z	20.95	2
93	MP2C	Mx	-.008	2
94	MP2A	X	-11.141	5
95	MP2A	Z	19.297	5
96	MP2A	Mx	-.011	5
97	MP2A	X	-11.141	5
98	MP2A	Z	19.297	5
99	MP2A	Mx	-.011	5
100	MP2B	X	-6.987	5
101	MP2B	Z	12.102	5
102	MP2B	Mx	.014	5
103	MP2B	X	-6.987	5
104	MP2B	Z	12.102	5
105	MP2B	Mx	.014	5
106	MP2C	X	-11.908	5
107	MP2C	Z	20.626	5
108	MP2C	Mx	-.008	5
109	MP2C	X	-11.908	5
110	MP2C	Z	20.626	5
111	MP2C	Mx	-.008	5
112	SP12	X	-22.205	1.75
113	SP12	Z	38.46	1.75
114	SP12	Mx	.022	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-54.885	.5
2	MP1A	Z	31.688	.5
3	MP1A	Mx	.041	.5
4	MP1A	X	-54.885	6.25
5	MP1A	Z	31.688	6.25
6	MP1A	Mx	.041	6.25
7	MP1B	X	-48.971	.5
8	MP1B	Z	28.273	.5
9	MP1B	Mx	-.04	.5
10	MP1B	X	-48.971	6.25
11	MP1B	Z	28.273	6.25
12	MP1B	Mx	-.04	6.25
13	MP1C	X	-86.889	.5
14	MP1C	Z	50.165	.5
15	MP1C	Mx	-.013	.5
16	MP1C	X	-86.889	6.25
17	MP1C	Z	50.165	6.25
18	MP1C	Mx	-.013	6.25
19	SP12	X	-40.234	1.25
20	SP12	Z	23.229	1.25
21	SP12	Mx	.022	1.25
22	MP3A	X	-92.903	.5
23	MP3A	Z	53.637	.5
24	MP3A	Mx	.025	.5
25	MP3A	X	-92.903	6.5
26	MP3A	Z	53.637	6.5
27	MP3A	Mx	.025	6.5
28	MP3B	X	-88.977	.5
29	MP3B	Z	51.371	.5
30	MP3B	Mx	-.102	.5
31	MP3B	X	-88.977	6.5
32	MP3B	Z	51.371	6.5
33	MP3B	Mx	-.102	6.5
34	MP3C	X	-114.146	.5
35	MP3C	Z	65.902	.5
36	MP3C	Mx	.091	.5
37	MP3C	X	-114.146	6.5
38	MP3C	Z	65.902	6.5
39	MP3C	Mx	.091	6.5
40	MP3A	X	-92.903	.5
41	MP3A	Z	53.637	.5
42	MP3A	Mx	.114	.5
43	MP3A	X	-92.903	6.5
44	MP3A	Z	53.637	6.5
45	MP3A	Mx	.114	6.5
46	MP3B	X	-88.977	.5
47	MP3B	Z	51.371	.5
48	MP3B	Mx	-.043	.5
49	MP3B	X	-88.977	6.5
50	MP3B	Z	51.371	6.5
51	MP3B	Mx	-.043	6.5
52	MP3C	X	-114.146	.5
53	MP3C	Z	65.902	.5
54	MP3C	Mx	-.125	.5
55	MP3C	X	-114.146	6.5
56	MP3C	Z	65.902	6.5
57	MP3C	Mx	-.125	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-29.779	2.17
59	MP4A	Z	17.193	2.17
60	MP4A	Mx	.022	2.17
61	MP4A	X	-29.779	5
62	MP4A	Z	17.193	5
63	MP4A	Mx	.022	5
64	MP4B	X	-25.345	2.17
65	MP4B	Z	14.633	2.17
66	MP4B	Mx	-.021	2.17
67	MP4B	X	-25.345	5
68	MP4B	Z	14.633	5
69	MP4B	Mx	-.021	5
70	MP4C	X	-53.774	2.17
71	MP4C	Z	31.046	2.17
72	MP4C	Mx	-.008	2.17
73	MP4C	X	-53.774	5
74	MP4C	Z	31.046	5
75	MP4C	Mx	-.008	5
76	MP2A	X	-16.375	2
77	MP2A	Z	9.454	2
78	MP2A	Mx	-.016	2
79	MP2A	X	-16.375	2
80	MP2A	Z	9.454	2
81	MP2A	Mx	-.016	2
82	MP2B	X	-15.414	2
83	MP2B	Z	8.899	2
84	MP2B	Mx	.017	2
85	MP2B	X	-15.414	2
86	MP2B	Z	8.899	2
87	MP2B	Mx	.017	2
88	MP2C	X	-21.577	2
89	MP2C	Z	12.458	2
90	MP2C	Mx	.004	2
91	MP2C	X	-21.577	2
92	MP2C	Z	12.458	2
93	MP2C	Mx	.004	2
94	MP2A	X	-14.299	5
95	MP2A	Z	8.256	5
96	MP2A	Mx	-.014	5
97	MP2A	X	-14.299	5
98	MP2A	Z	8.256	5
99	MP2A	Mx	-.014	5
100	MP2B	X	-12.97	5
101	MP2B	Z	7.488	5
102	MP2B	Mx	.014	5
103	MP2B	X	-12.97	5
104	MP2B	Z	7.488	5
105	MP2B	Mx	.014	5
106	MP2C	X	-21.494	5
107	MP2C	Z	12.409	5
108	MP2C	Mx	.004	5
109	MP2C	X	-21.494	5
110	MP2C	Z	12.409	5
111	MP2C	Mx	.004	5
112	SP12	X	-40.234	1.75
113	SP12	Z	23.229	1.75
114	SP12	Mx	.022	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-50.541	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.038	.5
4	MP1A	X	-50.541	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	.038	6.25
7	MP1B	X	-80.667	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.039	.5
10	MP1B	X	-80.667	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	-.039	6.25
13	MP1C	X	-80.667	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.039	.5
16	MP1C	X	-80.667	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	-.039	6.25
19	SP12	X	-57.543	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	.018	1.25
22	MP3A	X	-98.756	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.074	.5
25	MP3A	X	-98.756	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	.074	6.5
28	MP3B	X	-118.753	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	-.133	.5
31	MP3B	X	-118.753	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	-.133	6.5
34	MP3C	X	-118.753	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.019	.5
37	MP3C	X	-118.753	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	.019	6.5
40	MP3A	X	-98.756	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	.074	.5
43	MP3A	X	-98.756	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	.074	6.5
46	MP3B	X	-118.753	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	.019	.5
49	MP3B	X	-118.753	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	.019	6.5
52	MP3C	X	-118.753	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	-.133	.5
55	MP3C	X	-118.753	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	-.133	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-24.764	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	.019	2.17
61	MP4A	X	-24.764	5
62	MP4A	Z	0	5
63	MP4A	Mx	.019	5
64	MP4B	X	-47.35	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	-.023	2.17
67	MP4B	X	-47.35	5
68	MP4B	Z	0	5
69	MP4B	Mx	-.023	5
70	MP4C	X	-47.35	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	-.023	2.17
73	MP4C	X	-47.35	5
74	MP4C	Z	0	5
75	MP4C	Mx	-.023	5
76	MP2A	X	-16.823	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.017	2
79	MP2A	X	-16.823	2
80	MP2A	Z	0	2
81	MP2A	Mx	-.017	2
82	MP2B	X	-21.719	2
83	MP2B	Z	0	2
84	MP2B	Mx	.014	2
85	MP2B	X	-21.719	2
86	MP2B	Z	0	2
87	MP2B	Mx	.014	2
88	MP2C	X	-21.719	2
89	MP2C	Z	0	2
90	MP2C	Mx	.014	2
91	MP2C	X	-21.719	2
92	MP2C	Z	0	2
93	MP2C	Mx	.014	2
94	MP2A	X	-13.626	5
95	MP2A	Z	0	5
96	MP2A	Mx	-.014	5
97	MP2A	X	-13.626	5
98	MP2A	Z	0	5
99	MP2A	Mx	-.014	5
100	MP2B	X	-20.399	5
101	MP2B	Z	0	5
102	MP2B	Mx	.013	5
103	MP2B	X	-20.399	5
104	MP2B	Z	0	5
105	MP2B	Mx	.013	5
106	MP2C	X	-20.399	5
107	MP2C	Z	0	5
108	MP2C	Mx	.013	5
109	MP2C	X	-20.399	5
110	MP2C	Z	0	5
111	MP2C	Mx	.013	5
112	SP12	X	-57.543	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	.018	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-54.885	.5
2	MP1A	Z	-31.688	.5
3	MP1A	Mx	.041	.5
4	MP1A	X	-54.885	6.25
5	MP1A	Z	-31.688	6.25
6	MP1A	Mx	.041	6.25
7	MP1B	X	-86.889	.5
8	MP1B	Z	-50.165	.5
9	MP1B	Mx	-.013	.5
10	MP1B	X	-86.889	6.25
11	MP1B	Z	-50.165	6.25
12	MP1B	Mx	-.013	6.25
13	MP1C	X	-48.971	.5
14	MP1C	Z	-28.273	.5
15	MP1C	Mx	-.04	.5
16	MP1C	X	-48.971	6.25
17	MP1C	Z	-28.273	6.25
18	MP1C	Mx	-.04	6.25
19	SP12	X	-57.66	1.25
20	SP12	Z	-33.29	1.25
21	SP12	Mx	.006	1.25
22	MP3A	X	-92.903	.5
23	MP3A	Z	-53.637	.5
24	MP3A	Mx	.114	.5
25	MP3A	X	-92.903	6.5
26	MP3A	Z	-53.637	6.5
27	MP3A	Mx	.114	6.5
28	MP3B	X	-114.146	.5
29	MP3B	Z	-65.902	.5
30	MP3B	Mx	-.125	.5
31	MP3B	X	-114.146	6.5
32	MP3B	Z	-65.902	6.5
33	MP3B	Mx	-.125	6.5
34	MP3C	X	-88.977	.5
35	MP3C	Z	-51.371	.5
36	MP3C	Mx	-.043	.5
37	MP3C	X	-88.977	6.5
38	MP3C	Z	-51.371	6.5
39	MP3C	Mx	-.043	6.5
40	MP3A	X	-92.903	.5
41	MP3A	Z	-53.637	.5
42	MP3A	Mx	.025	.5
43	MP3A	X	-92.903	6.5
44	MP3A	Z	-53.637	6.5
45	MP3A	Mx	.025	6.5
46	MP3B	X	-114.146	.5
47	MP3B	Z	-65.902	.5
48	MP3B	Mx	.091	.5
49	MP3B	X	-114.146	6.5
50	MP3B	Z	-65.902	6.5
51	MP3B	Mx	.091	6.5
52	MP3C	X	-88.977	.5
53	MP3C	Z	-51.371	.5
54	MP3C	Mx	-.102	.5
55	MP3C	X	-88.977	6.5
56	MP3C	Z	-51.371	6.5
57	MP3C	Mx	-.102	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-29.779	2.17
59	MP4A	Z	-17.193	2.17
60	MP4A	Mx	.022	2.17
61	MP4A	X	-29.779	5
62	MP4A	Z	-17.193	5
63	MP4A	Mx	.022	5
64	MP4B	X	-53.774	2.17
65	MP4B	Z	-31.046	2.17
66	MP4B	Mx	-.008	2.17
67	MP4B	X	-53.774	5
68	MP4B	Z	-31.046	5
69	MP4B	Mx	-.008	5
70	MP4C	X	-25.345	2.17
71	MP4C	Z	-14.633	2.17
72	MP4C	Mx	-.021	2.17
73	MP4C	X	-25.345	5
74	MP4C	Z	-14.633	5
75	MP4C	Mx	-.021	5
76	MP2A	X	-16.375	2
77	MP2A	Z	-9.454	2
78	MP2A	Mx	-.016	2
79	MP2A	X	-16.375	2
80	MP2A	Z	-9.454	2
81	MP2A	Mx	-.016	2
82	MP2B	X	-21.577	2
83	MP2B	Z	-12.458	2
84	MP2B	Mx	.004	2
85	MP2B	X	-21.577	2
86	MP2B	Z	-12.458	2
87	MP2B	Mx	.004	2
88	MP2C	X	-15.414	2
89	MP2C	Z	-8.899	2
90	MP2C	Mx	.017	2
91	MP2C	X	-15.414	2
92	MP2C	Z	-8.899	2
93	MP2C	Mx	.017	2
94	MP2A	X	-14.299	5
95	MP2A	Z	-8.256	5
96	MP2A	Mx	-.014	5
97	MP2A	X	-14.299	5
98	MP2A	Z	-8.256	5
99	MP2A	Mx	-.014	5
100	MP2B	X	-21.494	5
101	MP2B	Z	-12.409	5
102	MP2B	Mx	.004	5
103	MP2B	X	-21.494	5
104	MP2B	Z	-12.409	5
105	MP2B	Mx	.004	5
106	MP2C	X	-12.97	5
107	MP2C	Z	-7.488	5
108	MP2C	Mx	.014	5
109	MP2C	X	-12.97	5
110	MP2C	Z	-7.488	5
111	MP2C	Mx	.014	5
112	SP12	X	-57.66	1.75
113	SP12	Z	-33.29	1.75
114	SP12	Mx	.006	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.522	.5
2	MP1A	Z	-77.115	.5
3	MP1A	Mx	.033	.5
4	MP1A	X	-44.522	6.25
5	MP1A	Z	-77.115	6.25
6	MP1A	Mx	.033	6.25
7	MP1B	X	-47.937	.5
8	MP1B	Z	-83.029	.5
9	MP1B	Mx	.025	.5
10	MP1B	X	-47.937	6.25
11	MP1B	Z	-83.029	6.25
12	MP1B	Mx	.025	6.25
13	MP1C	X	-26.045	.5
14	MP1C	Z	-45.111	.5
15	MP1C	Mx	-.038	.5
16	MP1C	X	-26.045	6.25
17	MP1C	Z	-45.111	6.25
18	MP1C	Mx	-.038	6.25
19	SP12	X	-32.266	1.25
20	SP12	Z	-55.886	1.25
21	SP12	Mx	-.011	1.25
22	MP3A	X	-62.157	.5
23	MP3A	Z	-107.658	.5
24	MP3A	Mx	.136	.5
25	MP3A	X	-62.157	6.5
26	MP3A	Z	-107.658	6.5
27	MP3A	Mx	.136	6.5
28	MP3B	X	-64.423	.5
29	MP3B	Z	-111.584	.5
30	MP3B	Mx	-.068	.5
31	MP3B	X	-64.423	6.5
32	MP3B	Z	-111.584	6.5
33	MP3B	Mx	-.068	6.5
34	MP3C	X	-49.892	.5
35	MP3C	Z	-86.415	.5
36	MP3C	Mx	-.088	.5
37	MP3C	X	-49.892	6.5
38	MP3C	Z	-86.415	6.5
39	MP3C	Mx	-.088	6.5
40	MP3A	X	-62.157	.5
41	MP3A	Z	-107.658	.5
42	MP3A	Mx	-.043	.5
43	MP3A	X	-62.157	6.5
44	MP3A	Z	-107.658	6.5
45	MP3A	Mx	-.043	6.5
46	MP3B	X	-64.423	.5
47	MP3B	Z	-111.584	.5
48	MP3B	Mx	.134	.5
49	MP3B	X	-64.423	6.5
50	MP3B	Z	-111.584	6.5
51	MP3B	Mx	.134	6.5
52	MP3C	X	-49.892	.5
53	MP3C	Z	-86.415	.5
54	MP3C	Mx	-.059	.5
55	MP3C	X	-49.892	6.5
56	MP3C	Z	-86.415	6.5
57	MP3C	Mx	-.059	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-26.816	2.17
59	MP4A	Z	-46.446	2.17
60	MP4A	Mx	.02	2.17
61	MP4A	X	-26.816	5
62	MP4A	Z	-46.446	5
63	MP4A	Mx	.02	5
64	MP4B	X	-29.376	2.17
65	MP4B	Z	-50.88	2.17
66	MP4B	Mx	.015	2.17
67	MP4B	X	-29.376	5
68	MP4B	Z	-50.88	5
69	MP4B	Mx	.015	5
70	MP4C	X	-12.962	2.17
71	MP4C	Z	-22.451	2.17
72	MP4C	Mx	-.019	2.17
73	MP4C	X	-12.962	5
74	MP4C	Z	-22.451	5
75	MP4C	Mx	-.019	5
76	MP2A	X	-11.54	2
77	MP2A	Z	-19.989	2
78	MP2A	Mx	-.012	2
79	MP2A	X	-11.54	2
80	MP2A	Z	-19.989	2
81	MP2A	Mx	-.012	2
82	MP2B	X	-12.095	2
83	MP2B	Z	-20.95	2
84	MP2B	Mx	-.008	2
85	MP2B	X	-12.095	2
86	MP2B	Z	-20.95	2
87	MP2B	Mx	-.008	2
88	MP2C	X	-8.537	2
89	MP2C	Z	-14.787	2
90	MP2C	Mx	.017	2
91	MP2C	X	-8.537	2
92	MP2C	Z	-14.787	2
93	MP2C	Mx	.017	2
94	MP2A	X	-11.141	5
95	MP2A	Z	-19.297	5
96	MP2A	Mx	-.011	5
97	MP2A	X	-11.141	5
98	MP2A	Z	-19.297	5
99	MP2A	Mx	-.011	5
100	MP2B	X	-11.908	5
101	MP2B	Z	-20.626	5
102	MP2B	Mx	-.008	5
103	MP2B	X	-11.908	5
104	MP2B	Z	-20.626	5
105	MP2B	Mx	-.008	5
106	MP2C	X	-6.987	5
107	MP2C	Z	-12.102	5
108	MP2C	Mx	.014	5
109	MP2C	X	-6.987	5
110	MP2C	Z	-12.102	5
111	MP2C	Mx	.014	5
112	SP12	X	-32.266	1.75
113	SP12	Z	-55.886	1.75
114	SP12	Mx	-.011	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-19.766	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	-19.766	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	-14.342	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	0	6.25
11	MP1B	Z	-14.342	6.25
12	MP1B	Mx	.008	6.25
13	MP1C	X	0	.5
14	MP1C	Z	-14.342	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	0	6.25
17	MP1C	Z	-14.342	6.25
18	MP1C	Mx	-.008	6.25
19	SP12	X	0	1.25
20	SP12	Z	-11.1	1.25
21	SP12	Mx	-.004	1.25
22	MP3A	X	0	.5
23	MP3A	Z	-25.412	.5
24	MP3A	Mx	.021	.5
25	MP3A	X	0	6.5
26	MP3A	Z	-25.412	6.5
27	MP3A	Mx	.021	6.5
28	MP3B	X	0	.5
29	MP3B	Z	-21.766	.5
30	MP3B	Mx	.000846	.5
31	MP3B	X	0	6.5
32	MP3B	Z	-21.766	6.5
33	MP3B	Mx	.000846	6.5
34	MP3C	X	0	.5
35	MP3C	Z	-21.766	.5
36	MP3C	Mx	-.024	.5
37	MP3C	X	0	6.5
38	MP3C	Z	-21.766	6.5
39	MP3C	Mx	-.024	6.5
40	MP3A	X	0	.5
41	MP3A	Z	-25.412	.5
42	MP3A	Mx	-.021	.5
43	MP3A	X	0	6.5
44	MP3A	Z	-25.412	6.5
45	MP3A	Mx	-.021	6.5
46	MP3B	X	0	.5
47	MP3B	Z	-21.766	.5
48	MP3B	Mx	.024	.5
49	MP3B	X	0	6.5
50	MP3B	Z	-21.766	6.5
51	MP3B	Mx	.024	6.5
52	MP3C	X	0	.5
53	MP3C	Z	-21.766	.5
54	MP3C	Mx	-.000846	.5
55	MP3C	X	0	6.5
56	MP3C	Z	-21.766	6.5
57	MP3C	Mx	-.000846	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2.17
59	MP4A	Z	-12.507	2.17
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	-12.507	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	-8.275	2.17
66	MP4B	Mx	.005	2.17
67	MP4B	X	0	5
68	MP4B	Z	-8.275	5
69	MP4B	Mx	.005	5
70	MP4C	X	0	2.17
71	MP4C	Z	-8.275	2.17
72	MP4C	Mx	-.005	2.17
73	MP4C	X	0	5
74	MP4C	Z	-8.275	5
75	MP4C	Mx	-.005	5
76	MP2A	X	0	2
77	MP2A	Z	-5.249	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	-5.249	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	-4.305	2
84	MP2B	Mx	-.003	2
85	MP2B	X	0	2
86	MP2B	Z	-4.305	2
87	MP2B	Mx	-.003	2
88	MP2C	X	0	2
89	MP2C	Z	-4.305	2
90	MP2C	Mx	.003	2
91	MP2C	X	0	2
92	MP2C	Z	-4.305	2
93	MP2C	Mx	.003	2
94	MP2A	X	0	5
95	MP2A	Z	-5.249	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	-5.249	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	-3.947	5
102	MP2B	Mx	-.003	5
103	MP2B	X	0	5
104	MP2B	Z	-3.947	5
105	MP2B	Mx	-.003	5
106	MP2C	X	0	5
107	MP2C	Z	-3.947	5
108	MP2C	Mx	.003	5
109	MP2C	X	0	5
110	MP2C	Z	-3.947	5
111	MP2C	Mx	.003	5
112	SP12	X	0	1.75
113	SP12	Z	-11.1	1.75
114	SP12	Mx	-.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.728	.5
2	MP1A	Z	-15.117	.5
3	MP1A	Mx	-.007	.5
4	MP1A	X	8.728	6.25
5	MP1A	Z	-15.117	6.25
6	MP1A	Mx	-.007	6.25
7	MP1B	X	5.401	.5
8	MP1B	Z	-9.355	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	5.401	6.25
11	MP1B	Z	-9.355	6.25
12	MP1B	Mx	.008	6.25
13	MP1C	X	9.342	.5
14	MP1C	Z	-16.182	.5
15	MP1C	Mx	-.005	.5
16	MP1C	X	9.342	6.25
17	MP1C	Z	-16.182	6.25
18	MP1C	Mx	-.005	6.25
19	SP12	X	4.701	1.25
20	SP12	Z	-8.143	1.25
21	SP12	Mx	-.005	1.25
22	MP3A	X	11.929	.5
23	MP3A	Z	-20.662	.5
24	MP3A	Mx	.008	.5
25	MP3A	X	11.929	6.5
26	MP3A	Z	-20.662	6.5
27	MP3A	Mx	.008	6.5
28	MP3B	X	9.693	.5
29	MP3B	Z	-16.789	.5
30	MP3B	Mx	.012	.5
31	MP3B	X	9.693	6.5
32	MP3B	Z	-16.789	6.5
33	MP3B	Mx	.012	6.5
34	MP3C	X	12.343	.5
35	MP3C	Z	-21.378	.5
36	MP3C	Mx	-.026	.5
37	MP3C	X	12.343	6.5
38	MP3C	Z	-21.378	6.5
39	MP3C	Mx	-.026	6.5
40	MP3A	X	11.929	.5
41	MP3A	Z	-20.662	.5
42	MP3A	Mx	-.026	.5
43	MP3A	X	11.929	6.5
44	MP3A	Z	-20.662	6.5
45	MP3A	Mx	-.026	6.5
46	MP3B	X	9.693	.5
47	MP3B	Z	-16.789	.5
48	MP3B	Mx	.017	.5
49	MP3B	X	9.693	6.5
50	MP3B	Z	-16.789	6.5
51	MP3B	Mx	.017	6.5
52	MP3C	X	12.343	.5
53	MP3C	Z	-21.378	.5
54	MP3C	Mx	.013	.5
55	MP3C	X	12.343	6.5
56	MP3C	Z	-21.378	6.5
57	MP3C	Mx	.013	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	5.352	2.17
59	MP4A	Z	-9.27	2.17
60	MP4A	Mx	-.004	2.17
61	MP4A	X	5.352	5
62	MP4A	Z	-9.27	5
63	MP4A	Mx	-.004	5
64	MP4B	X	2.756	2.17
65	MP4B	Z	-4.774	2.17
66	MP4B	Mx	.004	2.17
67	MP4B	X	2.756	5
68	MP4B	Z	-4.774	5
69	MP4B	Mx	.004	5
70	MP4C	X	5.832	2.17
71	MP4C	Z	-10.101	2.17
72	MP4C	Mx	-.003	2.17
73	MP4C	X	5.832	5
74	MP4C	Z	-10.101	5
75	MP4C	Mx	-.003	5
76	MP2A	X	2.424	2
77	MP2A	Z	-4.198	2
78	MP2A	Mx	.002	2
79	MP2A	X	2.424	2
80	MP2A	Z	-4.198	2
81	MP2A	Mx	.002	2
82	MP2B	X	1.845	2
83	MP2B	Z	-3.195	2
84	MP2B	Mx	-.004	2
85	MP2B	X	1.845	2
86	MP2B	Z	-3.195	2
87	MP2B	Mx	-.004	2
88	MP2C	X	2.531	2
89	MP2C	Z	-4.383	2
90	MP2C	Mx	.002	2
91	MP2C	X	2.531	2
92	MP2C	Z	-4.383	2
93	MP2C	Mx	.002	2
94	MP2A	X	2.347	5
95	MP2A	Z	-4.065	5
96	MP2A	Mx	.002	5
97	MP2A	X	2.347	5
98	MP2A	Z	-4.065	5
99	MP2A	Mx	.002	5
100	MP2B	X	1.548	5
101	MP2B	Z	-2.682	5
102	MP2B	Mx	-.003	5
103	MP2B	X	1.548	5
104	MP2B	Z	-2.682	5
105	MP2B	Mx	-.003	5
106	MP2C	X	2.495	5
107	MP2C	Z	-4.321	5
108	MP2C	Mx	.002	5
109	MP2C	X	2.495	5
110	MP2C	Z	-4.321	5
111	MP2C	Mx	.002	5
112	SP12	X	4.701	1.75
113	SP12	Z	-8.143	1.75
114	SP12	Mx	-.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	11.115	.5
2	MP1A	Z	-6.417	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	11.115	6.25
5	MP1A	Z	-6.417	6.25
6	MP1A	Mx	-.008	6.25
7	MP1B	X	10.05	.5
8	MP1B	Z	-5.802	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	10.05	6.25
11	MP1B	Z	-5.802	6.25
12	MP1B	Mx	.008	6.25
13	MP1C	X	16.877	.5
14	MP1C	Z	-9.744	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	16.877	6.25
17	MP1C	Z	-9.744	6.25
18	MP1C	Mx	.003	6.25
19	SP12	X	8.476	1.25
20	SP12	Z	-4.894	1.25
21	SP12	Mx	-.005	1.25
22	MP3A	X	17.972	.5
23	MP3A	Z	-10.376	.5
24	MP3A	Mx	-.005	.5
25	MP3A	X	17.972	6.5
26	MP3A	Z	-10.376	6.5
27	MP3A	Mx	-.005	6.5
28	MP3B	X	17.256	.5
29	MP3B	Z	-9.963	.5
30	MP3B	Mx	.02	.5
31	MP3B	X	17.256	6.5
32	MP3B	Z	-9.963	6.5
33	MP3B	Mx	.02	6.5
34	MP3C	X	21.845	.5
35	MP3C	Z	-12.612	.5
36	MP3C	Mx	-.017	.5
37	MP3C	X	21.845	6.5
38	MP3C	Z	-12.612	6.5
39	MP3C	Mx	-.017	6.5
40	MP3A	X	17.972	.5
41	MP3A	Z	-10.376	.5
42	MP3A	Mx	-.022	.5
43	MP3A	X	17.972	6.5
44	MP3A	Z	-10.376	6.5
45	MP3A	Mx	-.022	6.5
46	MP3B	X	17.256	.5
47	MP3B	Z	-9.963	.5
48	MP3B	Mx	.008	.5
49	MP3B	X	17.256	6.5
50	MP3B	Z	-9.963	6.5
51	MP3B	Mx	.008	6.5
52	MP3C	X	21.845	.5
53	MP3C	Z	-12.612	.5
54	MP3C	Mx	.024	.5
55	MP3C	X	21.845	6.5
56	MP3C	Z	-12.612	6.5
57	MP3C	Mx	.024	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	6.147	2.17
59	MP4A	Z	-3.549	2.17
60	MP4A	Mx	-.005	2.17
61	MP4A	X	6.147	5
62	MP4A	Z	-3.549	5
63	MP4A	Mx	-.005	5
64	MP4B	X	5.316	2.17
65	MP4B	Z	-3.069	2.17
66	MP4B	Mx	.004	2.17
67	MP4B	X	5.316	5
68	MP4B	Z	-3.069	5
69	MP4B	Mx	.004	5
70	MP4C	X	10.643	2.17
71	MP4C	Z	-6.145	2.17
72	MP4C	Mx	.002	2.17
73	MP4C	X	10.643	5
74	MP4C	Z	-6.145	5
75	MP4C	Mx	.002	5
76	MP2A	X	3.501	2
77	MP2A	Z	-2.021	2
78	MP2A	Mx	.004	2
79	MP2A	X	3.501	2
80	MP2A	Z	-2.021	2
81	MP2A	Mx	.004	2
82	MP2B	X	3.316	2
83	MP2B	Z	-1.914	2
84	MP2B	Mx	-.004	2
85	MP2B	X	3.316	2
86	MP2B	Z	-1.914	2
87	MP2B	Mx	-.004	2
88	MP2C	X	4.504	2
89	MP2C	Z	-2.6	2
90	MP2C	Mx	-.000903	2
91	MP2C	X	4.504	2
92	MP2C	Z	-2.6	2
93	MP2C	Mx	-.000903	2
94	MP2A	X	3.104	5
95	MP2A	Z	-1.792	5
96	MP2A	Mx	.003	5
97	MP2A	X	3.104	5
98	MP2A	Z	-1.792	5
99	MP2A	Mx	.003	5
100	MP2B	X	2.849	5
101	MP2B	Z	-1.645	5
102	MP2B	Mx	-.003	5
103	MP2B	X	2.849	5
104	MP2B	Z	-1.645	5
105	MP2B	Mx	-.003	5
106	MP2C	X	4.488	5
107	MP2C	Z	-2.591	5
108	MP2C	Mx	-.0009	5
109	MP2C	X	4.488	5
110	MP2C	Z	-2.591	5
111	MP2C	Mx	-.0009	5
112	SP12	X	8.476	1.75
113	SP12	Z	-4.894	1.75
114	SP12	Mx	-.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.524	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	10.524	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	-.008	6.25
7	MP1B	X	15.947	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	15.947	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	.008	6.25
13	MP1C	X	15.947	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	15.947	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	.008	6.25
19	SP12	X	11.87	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	-.004	1.25
22	MP3A	X	19.199	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.014	.5
25	MP3A	X	19.199	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	-.014	6.5
28	MP3B	X	22.845	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.026	.5
31	MP3B	X	22.845	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	.026	6.5
34	MP3C	X	22.845	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.004	.5
37	MP3C	X	22.845	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	-.004	6.5
40	MP3A	X	19.199	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	-.014	.5
43	MP3A	X	19.199	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	-.014	6.5
46	MP3B	X	22.845	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	-.004	.5
49	MP3B	X	22.845	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	-.004	6.5
52	MP3C	X	22.845	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	.026	.5
55	MP3C	X	22.845	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	.026	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	5.295	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	-.004	2.17
61	MP4A	X	5.295	5
62	MP4A	Z	0	5
63	MP4A	Mx	-.004	5
64	MP4B	X	9.527	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	.005	2.17
67	MP4B	X	9.527	5
68	MP4B	Z	0	5
69	MP4B	Mx	.005	5
70	MP4C	X	9.527	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	.005	2.17
73	MP4C	X	9.527	5
74	MP4C	Z	0	5
75	MP4C	Mx	.005	5
76	MP2A	X	3.641	2
77	MP2A	Z	0	2
78	MP2A	Mx	.004	2
79	MP2A	X	3.641	2
80	MP2A	Z	0	2
81	MP2A	Mx	.004	2
82	MP2B	X	4.585	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.003	2
85	MP2B	X	4.585	2
86	MP2B	Z	0	2
87	MP2B	Mx	-.003	2
88	MP2C	X	4.585	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.003	2
91	MP2C	X	4.585	2
92	MP2C	Z	0	2
93	MP2C	Mx	-.003	2
94	MP2A	X	3.03	5
95	MP2A	Z	0	5
96	MP2A	Mx	.003	5
97	MP2A	X	3.03	5
98	MP2A	Z	0	5
99	MP2A	Mx	.003	5
100	MP2B	X	4.332	5
101	MP2B	Z	0	5
102	MP2B	Mx	-.003	5
103	MP2B	X	4.332	5
104	MP2B	Z	0	5
105	MP2B	Mx	-.003	5
106	MP2C	X	4.332	5
107	MP2C	Z	0	5
108	MP2C	Mx	-.003	5
109	MP2C	X	4.332	5
110	MP2C	Z	0	5
111	MP2C	Mx	-.003	5
112	SP12	X	11.87	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	-.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	11.115	.5
2	MP1A	Z	6.417	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	11.115	6.25
5	MP1A	Z	6.417	6.25
6	MP1A	Mx	-.008	6.25
7	MP1B	X	16.877	.5
8	MP1B	Z	9.744	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	16.877	6.25
11	MP1B	Z	9.744	6.25
12	MP1B	Mx	.003	6.25
13	MP1C	X	10.05	.5
14	MP1C	Z	5.802	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	10.05	6.25
17	MP1C	Z	5.802	6.25
18	MP1C	Mx	.008	6.25
19	SP12	X	11.749	1.25
20	SP12	Z	6.784	1.25
21	SP12	Mx	-.001	1.25
22	MP3A	X	17.972	.5
23	MP3A	Z	10.376	.5
24	MP3A	Mx	-.022	.5
25	MP3A	X	17.972	6.5
26	MP3A	Z	10.376	6.5
27	MP3A	Mx	-.022	6.5
28	MP3B	X	21.845	.5
29	MP3B	Z	12.612	.5
30	MP3B	Mx	.024	.5
31	MP3B	X	21.845	6.5
32	MP3B	Z	12.612	6.5
33	MP3B	Mx	.024	6.5
34	MP3C	X	17.256	.5
35	MP3C	Z	9.963	.5
36	MP3C	Mx	.008	.5
37	MP3C	X	17.256	6.5
38	MP3C	Z	9.963	6.5
39	MP3C	Mx	.008	6.5
40	MP3A	X	17.972	.5
41	MP3A	Z	10.376	.5
42	MP3A	Mx	-.005	.5
43	MP3A	X	17.972	6.5
44	MP3A	Z	10.376	6.5
45	MP3A	Mx	-.005	6.5
46	MP3B	X	21.845	.5
47	MP3B	Z	12.612	.5
48	MP3B	Mx	-.017	.5
49	MP3B	X	21.845	6.5
50	MP3B	Z	12.612	6.5
51	MP3B	Mx	-.017	6.5
52	MP3C	X	17.256	.5
53	MP3C	Z	9.963	.5
54	MP3C	Mx	.02	.5
55	MP3C	X	17.256	6.5
56	MP3C	Z	9.963	6.5
57	MP3C	Mx	.02	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	6.147	2.17
59	MP4A	Z	3.549	2.17
60	MP4A	Mx	-.005	2.17
61	MP4A	X	6.147	5
62	MP4A	Z	3.549	5
63	MP4A	Mx	-.005	5
64	MP4B	X	10.643	2.17
65	MP4B	Z	6.145	2.17
66	MP4B	Mx	.002	2.17
67	MP4B	X	10.643	5
68	MP4B	Z	6.145	5
69	MP4B	Mx	.002	5
70	MP4C	X	5.316	2.17
71	MP4C	Z	3.069	2.17
72	MP4C	Mx	.004	2.17
73	MP4C	X	5.316	5
74	MP4C	Z	3.069	5
75	MP4C	Mx	.004	5
76	MP2A	X	3.501	2
77	MP2A	Z	2.021	2
78	MP2A	Mx	.004	2
79	MP2A	X	3.501	2
80	MP2A	Z	2.021	2
81	MP2A	Mx	.004	2
82	MP2B	X	4.504	2
83	MP2B	Z	2.6	2
84	MP2B	Mx	-.000903	2
85	MP2B	X	4.504	2
86	MP2B	Z	2.6	2
87	MP2B	Mx	-.000903	2
88	MP2C	X	3.316	2
89	MP2C	Z	1.914	2
90	MP2C	Mx	-.004	2
91	MP2C	X	3.316	2
92	MP2C	Z	1.914	2
93	MP2C	Mx	-.004	2
94	MP2A	X	3.104	5
95	MP2A	Z	1.792	5
96	MP2A	Mx	.003	5
97	MP2A	X	3.104	5
98	MP2A	Z	1.792	5
99	MP2A	Mx	.003	5
100	MP2B	X	4.488	5
101	MP2B	Z	2.591	5
102	MP2B	Mx	-.0009	5
103	MP2B	X	4.488	5
104	MP2B	Z	2.591	5
105	MP2B	Mx	-.0009	5
106	MP2C	X	2.849	5
107	MP2C	Z	1.645	5
108	MP2C	Mx	-.003	5
109	MP2C	X	2.849	5
110	MP2C	Z	1.645	5
111	MP2C	Mx	-.003	5
112	SP12	X	11.749	1.75
113	SP12	Z	6.784	1.75
114	SP12	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.728	.5
2	MP1A	Z	15.117	.5
3	MP1A	Mx	-.007	.5
4	MP1A	X	8.728	6.25
5	MP1A	Z	15.117	6.25
6	MP1A	Mx	-.007	6.25
7	MP1B	X	9.342	.5
8	MP1B	Z	16.182	.5
9	MP1B	Mx	-.005	.5
10	MP1B	X	9.342	6.25
11	MP1B	Z	16.182	6.25
12	MP1B	Mx	-.005	6.25
13	MP1C	X	5.401	.5
14	MP1C	Z	9.355	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	5.401	6.25
17	MP1C	Z	9.355	6.25
18	MP1C	Mx	.008	6.25
19	SP12	X	6.591	1.25
20	SP12	Z	11.416	1.25
21	SP12	Mx	.002	1.25
22	MP3A	X	11.929	.5
23	MP3A	Z	20.662	.5
24	MP3A	Mx	-.026	.5
25	MP3A	X	11.929	6.5
26	MP3A	Z	20.662	6.5
27	MP3A	Mx	-.026	6.5
28	MP3B	X	12.343	.5
29	MP3B	Z	21.378	.5
30	MP3B	Mx	.013	.5
31	MP3B	X	12.343	6.5
32	MP3B	Z	21.378	6.5
33	MP3B	Mx	.013	6.5
34	MP3C	X	9.693	.5
35	MP3C	Z	16.789	.5
36	MP3C	Mx	.017	.5
37	MP3C	X	9.693	6.5
38	MP3C	Z	16.789	6.5
39	MP3C	Mx	.017	6.5
40	MP3A	X	11.929	.5
41	MP3A	Z	20.662	.5
42	MP3A	Mx	.008	.5
43	MP3A	X	11.929	6.5
44	MP3A	Z	20.662	6.5
45	MP3A	Mx	.008	6.5
46	MP3B	X	12.343	.5
47	MP3B	Z	21.378	.5
48	MP3B	Mx	-.026	.5
49	MP3B	X	12.343	6.5
50	MP3B	Z	21.378	6.5
51	MP3B	Mx	-.026	6.5
52	MP3C	X	9.693	.5
53	MP3C	Z	16.789	.5
54	MP3C	Mx	.012	.5
55	MP3C	X	9.693	6.5
56	MP3C	Z	16.789	6.5
57	MP3C	Mx	.012	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	5.352	2.17
59	MP4A	Z	9.27	2.17
60	MP4A	Mx	-.004	2.17
61	MP4A	X	5.352	5
62	MP4A	Z	9.27	5
63	MP4A	Mx	-.004	5
64	MP4B	X	5.832	2.17
65	MP4B	Z	10.101	2.17
66	MP4B	Mx	-.003	2.17
67	MP4B	X	5.832	5
68	MP4B	Z	10.101	5
69	MP4B	Mx	-.003	5
70	MP4C	X	2.756	2.17
71	MP4C	Z	4.774	2.17
72	MP4C	Mx	.004	2.17
73	MP4C	X	2.756	5
74	MP4C	Z	4.774	5
75	MP4C	Mx	.004	5
76	MP2A	X	2.424	2
77	MP2A	Z	4.198	2
78	MP2A	Mx	.002	2
79	MP2A	X	2.424	2
80	MP2A	Z	4.198	2
81	MP2A	Mx	.002	2
82	MP2B	X	2.531	2
83	MP2B	Z	4.383	2
84	MP2B	Mx	.002	2
85	MP2B	X	2.531	2
86	MP2B	Z	4.383	2
87	MP2B	Mx	.002	2
88	MP2C	X	1.845	2
89	MP2C	Z	3.195	2
90	MP2C	Mx	-.004	2
91	MP2C	X	1.845	2
92	MP2C	Z	3.195	2
93	MP2C	Mx	-.004	2
94	MP2A	X	2.347	5
95	MP2A	Z	4.065	5
96	MP2A	Mx	.002	5
97	MP2A	X	2.347	5
98	MP2A	Z	4.065	5
99	MP2A	Mx	.002	5
100	MP2B	X	2.495	5
101	MP2B	Z	4.321	5
102	MP2B	Mx	.002	5
103	MP2B	X	2.495	5
104	MP2B	Z	4.321	5
105	MP2B	Mx	.002	5
106	MP2C	X	1.548	5
107	MP2C	Z	2.682	5
108	MP2C	Mx	-.003	5
109	MP2C	X	1.548	5
110	MP2C	Z	2.682	5
111	MP2C	Mx	-.003	5
112	SP12	X	6.591	1.75
113	SP12	Z	11.416	1.75
114	SP12	Mx	.002	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	19.766	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	19.766	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	14.342	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	0	6.25
11	MP1B	Z	14.342	6.25
12	MP1B	Mx	-.008	6.25
13	MP1C	X	0	.5
14	MP1C	Z	14.342	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	0	6.25
17	MP1C	Z	14.342	6.25
18	MP1C	Mx	.008	6.25
19	SP12	X	0	1.25
20	SP12	Z	11.1	1.25
21	SP12	Mx	.004	1.25
22	MP3A	X	0	.5
23	MP3A	Z	25.412	.5
24	MP3A	Mx	-.021	.5
25	MP3A	X	0	6.5
26	MP3A	Z	25.412	6.5
27	MP3A	Mx	-.021	6.5
28	MP3B	X	0	.5
29	MP3B	Z	21.766	.5
30	MP3B	Mx	-.000846	.5
31	MP3B	X	0	6.5
32	MP3B	Z	21.766	6.5
33	MP3B	Mx	-.000846	6.5
34	MP3C	X	0	.5
35	MP3C	Z	21.766	.5
36	MP3C	Mx	.024	.5
37	MP3C	X	0	6.5
38	MP3C	Z	21.766	6.5
39	MP3C	Mx	.024	6.5
40	MP3A	X	0	.5
41	MP3A	Z	25.412	.5
42	MP3A	Mx	.021	.5
43	MP3A	X	0	6.5
44	MP3A	Z	25.412	6.5
45	MP3A	Mx	.021	6.5
46	MP3B	X	0	.5
47	MP3B	Z	21.766	.5
48	MP3B	Mx	-.024	.5
49	MP3B	X	0	6.5
50	MP3B	Z	21.766	6.5
51	MP3B	Mx	-.024	6.5
52	MP3C	X	0	.5
53	MP3C	Z	21.766	.5
54	MP3C	Mx	.000846	.5
55	MP3C	X	0	6.5
56	MP3C	Z	21.766	6.5
57	MP3C	Mx	.000846	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2.17
59	MP4A	Z	12.507	2.17
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	12.507	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	8.275	2.17
66	MP4B	Mx	-.005	2.17
67	MP4B	X	0	5
68	MP4B	Z	8.275	5
69	MP4B	Mx	-.005	5
70	MP4C	X	0	2.17
71	MP4C	Z	8.275	2.17
72	MP4C	Mx	.005	2.17
73	MP4C	X	0	5
74	MP4C	Z	8.275	5
75	MP4C	Mx	.005	5
76	MP2A	X	0	2
77	MP2A	Z	5.249	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	5.249	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	4.305	2
84	MP2B	Mx	.003	2
85	MP2B	X	0	2
86	MP2B	Z	4.305	2
87	MP2B	Mx	.003	2
88	MP2C	X	0	2
89	MP2C	Z	4.305	2
90	MP2C	Mx	-.003	2
91	MP2C	X	0	2
92	MP2C	Z	4.305	2
93	MP2C	Mx	-.003	2
94	MP2A	X	0	5
95	MP2A	Z	5.249	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	5.249	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	3.947	5
102	MP2B	Mx	.003	5
103	MP2B	X	0	5
104	MP2B	Z	3.947	5
105	MP2B	Mx	.003	5
106	MP2C	X	0	5
107	MP2C	Z	3.947	5
108	MP2C	Mx	-.003	5
109	MP2C	X	0	5
110	MP2C	Z	3.947	5
111	MP2C	Mx	-.003	5
112	SP12	X	0	1.75
113	SP12	Z	11.1	1.75
114	SP12	Mx	.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.728	.5
2	MP1A	Z	15.117	.5
3	MP1A	Mx	.007	.5
4	MP1A	X	-8.728	6.25
5	MP1A	Z	15.117	6.25
6	MP1A	Mx	.007	6.25
7	MP1B	X	-5.401	.5
8	MP1B	Z	9.355	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-5.401	6.25
11	MP1B	Z	9.355	6.25
12	MP1B	Mx	-.008	6.25
13	MP1C	X	-9.342	.5
14	MP1C	Z	16.182	.5
15	MP1C	Mx	.005	.5
16	MP1C	X	-9.342	6.25
17	MP1C	Z	16.182	6.25
18	MP1C	Mx	.005	6.25
19	SP12	X	-4.701	1.25
20	SP12	Z	8.143	1.25
21	SP12	Mx	.005	1.25
22	MP3A	X	-11.929	.5
23	MP3A	Z	20.662	.5
24	MP3A	Mx	-.008	.5
25	MP3A	X	-11.929	6.5
26	MP3A	Z	20.662	6.5
27	MP3A	Mx	-.008	6.5
28	MP3B	X	-9.693	.5
29	MP3B	Z	16.789	.5
30	MP3B	Mx	-.012	.5
31	MP3B	X	-9.693	6.5
32	MP3B	Z	16.789	6.5
33	MP3B	Mx	-.012	6.5
34	MP3C	X	-12.343	.5
35	MP3C	Z	21.378	.5
36	MP3C	Mx	.026	.5
37	MP3C	X	-12.343	6.5
38	MP3C	Z	21.378	6.5
39	MP3C	Mx	.026	6.5
40	MP3A	X	-11.929	.5
41	MP3A	Z	20.662	.5
42	MP3A	Mx	.026	.5
43	MP3A	X	-11.929	6.5
44	MP3A	Z	20.662	6.5
45	MP3A	Mx	.026	6.5
46	MP3B	X	-9.693	.5
47	MP3B	Z	16.789	.5
48	MP3B	Mx	-.017	.5
49	MP3B	X	-9.693	6.5
50	MP3B	Z	16.789	6.5
51	MP3B	Mx	-.017	6.5
52	MP3C	X	-12.343	.5
53	MP3C	Z	21.378	.5
54	MP3C	Mx	-.013	.5
55	MP3C	X	-12.343	6.5
56	MP3C	Z	21.378	6.5
57	MP3C	Mx	-.013	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-5.352	2.17
59	MP4A	Z	9.27	2.17
60	MP4A	Mx	.004	2.17
61	MP4A	X	-5.352	5
62	MP4A	Z	9.27	5
63	MP4A	Mx	.004	5
64	MP4B	X	-2.756	2.17
65	MP4B	Z	4.774	2.17
66	MP4B	Mx	-.004	2.17
67	MP4B	X	-2.756	5
68	MP4B	Z	4.774	5
69	MP4B	Mx	-.004	5
70	MP4C	X	-5.832	2.17
71	MP4C	Z	10.101	2.17
72	MP4C	Mx	.003	2.17
73	MP4C	X	-5.832	5
74	MP4C	Z	10.101	5
75	MP4C	Mx	.003	5
76	MP2A	X	-2.424	2
77	MP2A	Z	4.198	2
78	MP2A	Mx	-.002	2
79	MP2A	X	-2.424	2
80	MP2A	Z	4.198	2
81	MP2A	Mx	-.002	2
82	MP2B	X	-1.845	2
83	MP2B	Z	3.195	2
84	MP2B	Mx	.004	2
85	MP2B	X	-1.845	2
86	MP2B	Z	3.195	2
87	MP2B	Mx	.004	2
88	MP2C	X	-2.531	2
89	MP2C	Z	4.383	2
90	MP2C	Mx	-.002	2
91	MP2C	X	-2.531	2
92	MP2C	Z	4.383	2
93	MP2C	Mx	-.002	2
94	MP2A	X	-2.347	5
95	MP2A	Z	4.065	5
96	MP2A	Mx	-.002	5
97	MP2A	X	-2.347	5
98	MP2A	Z	4.065	5
99	MP2A	Mx	-.002	5
100	MP2B	X	-1.548	5
101	MP2B	Z	2.682	5
102	MP2B	Mx	.003	5
103	MP2B	X	-1.548	5
104	MP2B	Z	2.682	5
105	MP2B	Mx	.003	5
106	MP2C	X	-2.495	5
107	MP2C	Z	4.321	5
108	MP2C	Mx	-.002	5
109	MP2C	X	-2.495	5
110	MP2C	Z	4.321	5
111	MP2C	Mx	-.002	5
112	SP12	X	-4.701	1.75
113	SP12	Z	8.143	1.75
114	SP12	Mx	.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-11.115	.5
2	MP1A	Z	6.417	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-11.115	6.25
5	MP1A	Z	6.417	6.25
6	MP1A	Mx	.008	6.25
7	MP1B	X	-10.05	.5
8	MP1B	Z	5.802	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-10.05	6.25
11	MP1B	Z	5.802	6.25
12	MP1B	Mx	-.008	6.25
13	MP1C	X	-16.877	.5
14	MP1C	Z	9.744	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-16.877	6.25
17	MP1C	Z	9.744	6.25
18	MP1C	Mx	-.003	6.25
19	SP12	X	-8.476	1.25
20	SP12	Z	4.894	1.25
21	SP12	Mx	.005	1.25
22	MP3A	X	-17.972	.5
23	MP3A	Z	10.376	.5
24	MP3A	Mx	.005	.5
25	MP3A	X	-17.972	6.5
26	MP3A	Z	10.376	6.5
27	MP3A	Mx	.005	6.5
28	MP3B	X	-17.256	.5
29	MP3B	Z	9.963	.5
30	MP3B	Mx	-.02	.5
31	MP3B	X	-17.256	6.5
32	MP3B	Z	9.963	6.5
33	MP3B	Mx	-.02	6.5
34	MP3C	X	-21.845	.5
35	MP3C	Z	12.612	.5
36	MP3C	Mx	.017	.5
37	MP3C	X	-21.845	6.5
38	MP3C	Z	12.612	6.5
39	MP3C	Mx	.017	6.5
40	MP3A	X	-17.972	.5
41	MP3A	Z	10.376	.5
42	MP3A	Mx	.022	.5
43	MP3A	X	-17.972	6.5
44	MP3A	Z	10.376	6.5
45	MP3A	Mx	.022	6.5
46	MP3B	X	-17.256	.5
47	MP3B	Z	9.963	.5
48	MP3B	Mx	-.008	.5
49	MP3B	X	-17.256	6.5
50	MP3B	Z	9.963	6.5
51	MP3B	Mx	-.008	6.5
52	MP3C	X	-21.845	.5
53	MP3C	Z	12.612	.5
54	MP3C	Mx	-.024	.5
55	MP3C	X	-21.845	6.5
56	MP3C	Z	12.612	6.5
57	MP3C	Mx	-.024	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-6.147	2.17
59	MP4A	Z	3.549	2.17
60	MP4A	Mx	.005	2.17
61	MP4A	X	-6.147	5
62	MP4A	Z	3.549	5
63	MP4A	Mx	.005	5
64	MP4B	X	-5.316	2.17
65	MP4B	Z	3.069	2.17
66	MP4B	Mx	-.004	2.17
67	MP4B	X	-5.316	5
68	MP4B	Z	3.069	5
69	MP4B	Mx	-.004	5
70	MP4C	X	-10.643	2.17
71	MP4C	Z	6.145	2.17
72	MP4C	Mx	-.002	2.17
73	MP4C	X	-10.643	5
74	MP4C	Z	6.145	5
75	MP4C	Mx	-.002	5
76	MP2A	X	-3.501	2
77	MP2A	Z	2.021	2
78	MP2A	Mx	-.004	2
79	MP2A	X	-3.501	2
80	MP2A	Z	2.021	2
81	MP2A	Mx	-.004	2
82	MP2B	X	-3.316	2
83	MP2B	Z	1.914	2
84	MP2B	Mx	.004	2
85	MP2B	X	-3.316	2
86	MP2B	Z	1.914	2
87	MP2B	Mx	.004	2
88	MP2C	X	-4.504	2
89	MP2C	Z	2.6	2
90	MP2C	Mx	.000903	2
91	MP2C	X	-4.504	2
92	MP2C	Z	2.6	2
93	MP2C	Mx	.000903	2
94	MP2A	X	-3.104	5
95	MP2A	Z	1.792	5
96	MP2A	Mx	-.003	5
97	MP2A	X	-3.104	5
98	MP2A	Z	1.792	5
99	MP2A	Mx	-.003	5
100	MP2B	X	-2.849	5
101	MP2B	Z	1.645	5
102	MP2B	Mx	.003	5
103	MP2B	X	-2.849	5
104	MP2B	Z	1.645	5
105	MP2B	Mx	.003	5
106	MP2C	X	-4.488	5
107	MP2C	Z	2.591	5
108	MP2C	Mx	.0009	5
109	MP2C	X	-4.488	5
110	MP2C	Z	2.591	5
111	MP2C	Mx	.0009	5
112	SP12	X	-8.476	1.75
113	SP12	Z	4.894	1.75
114	SP12	Mx	.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.524	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-10.524	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	.008	6.25
7	MP1B	X	-15.947	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-15.947	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	-.008	6.25
13	MP1C	X	-15.947	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-15.947	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	-.008	6.25
19	SP12	X	-11.87	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	.004	1.25
22	MP3A	X	-19.199	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.014	.5
25	MP3A	X	-19.199	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	.014	6.5
28	MP3B	X	-22.845	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	-.026	.5
31	MP3B	X	-22.845	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	-.026	6.5
34	MP3C	X	-22.845	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.004	.5
37	MP3C	X	-22.845	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	.004	6.5
40	MP3A	X	-19.199	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	.014	.5
43	MP3A	X	-19.199	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	.014	6.5
46	MP3B	X	-22.845	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	.004	.5
49	MP3B	X	-22.845	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	.004	6.5
52	MP3C	X	-22.845	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	-.026	.5
55	MP3C	X	-22.845	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	-.026	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-5.295	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	.004	2.17
61	MP4A	X	-5.295	5
62	MP4A	Z	0	5
63	MP4A	Mx	.004	5
64	MP4B	X	-9.527	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	-.005	2.17
67	MP4B	X	-9.527	5
68	MP4B	Z	0	5
69	MP4B	Mx	-.005	5
70	MP4C	X	-9.527	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	-.005	2.17
73	MP4C	X	-9.527	5
74	MP4C	Z	0	5
75	MP4C	Mx	-.005	5
76	MP2A	X	-3.641	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.004	2
79	MP2A	X	-3.641	2
80	MP2A	Z	0	2
81	MP2A	Mx	-.004	2
82	MP2B	X	-4.585	2
83	MP2B	Z	0	2
84	MP2B	Mx	.003	2
85	MP2B	X	-4.585	2
86	MP2B	Z	0	2
87	MP2B	Mx	.003	2
88	MP2C	X	-4.585	2
89	MP2C	Z	0	2
90	MP2C	Mx	.003	2
91	MP2C	X	-4.585	2
92	MP2C	Z	0	2
93	MP2C	Mx	.003	2
94	MP2A	X	-3.03	5
95	MP2A	Z	0	5
96	MP2A	Mx	-.003	5
97	MP2A	X	-3.03	5
98	MP2A	Z	0	5
99	MP2A	Mx	-.003	5
100	MP2B	X	-4.332	5
101	MP2B	Z	0	5
102	MP2B	Mx	.003	5
103	MP2B	X	-4.332	5
104	MP2B	Z	0	5
105	MP2B	Mx	.003	5
106	MP2C	X	-4.332	5
107	MP2C	Z	0	5
108	MP2C	Mx	.003	5
109	MP2C	X	-4.332	5
110	MP2C	Z	0	5
111	MP2C	Mx	.003	5
112	SP12	X	-11.87	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-11.115	.5
2	MP1A	Z	-6.417	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-11.115	6.25
5	MP1A	Z	-6.417	6.25
6	MP1A	Mx	.008	6.25
7	MP1B	X	-16.877	.5
8	MP1B	Z	-9.744	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-16.877	6.25
11	MP1B	Z	-9.744	6.25
12	MP1B	Mx	-.003	6.25
13	MP1C	X	-10.05	.5
14	MP1C	Z	-5.802	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-10.05	6.25
17	MP1C	Z	-5.802	6.25
18	MP1C	Mx	-.008	6.25
19	SP12	X	-11.749	1.25
20	SP12	Z	-6.784	1.25
21	SP12	Mx	.001	1.25
22	MP3A	X	-17.972	.5
23	MP3A	Z	-10.376	.5
24	MP3A	Mx	.022	.5
25	MP3A	X	-17.972	6.5
26	MP3A	Z	-10.376	6.5
27	MP3A	Mx	.022	6.5
28	MP3B	X	-21.845	.5
29	MP3B	Z	-12.612	.5
30	MP3B	Mx	-.024	.5
31	MP3B	X	-21.845	6.5
32	MP3B	Z	-12.612	6.5
33	MP3B	Mx	-.024	6.5
34	MP3C	X	-17.256	.5
35	MP3C	Z	-9.963	.5
36	MP3C	Mx	-.008	.5
37	MP3C	X	-17.256	6.5
38	MP3C	Z	-9.963	6.5
39	MP3C	Mx	-.008	6.5
40	MP3A	X	-17.972	.5
41	MP3A	Z	-10.376	.5
42	MP3A	Mx	.005	.5
43	MP3A	X	-17.972	6.5
44	MP3A	Z	-10.376	6.5
45	MP3A	Mx	.005	6.5
46	MP3B	X	-21.845	.5
47	MP3B	Z	-12.612	.5
48	MP3B	Mx	.017	.5
49	MP3B	X	-21.845	6.5
50	MP3B	Z	-12.612	6.5
51	MP3B	Mx	.017	6.5
52	MP3C	X	-17.256	.5
53	MP3C	Z	-9.963	.5
54	MP3C	Mx	-.02	.5
55	MP3C	X	-17.256	6.5
56	MP3C	Z	-9.963	6.5
57	MP3C	Mx	-.02	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-6.147	2.17
59	MP4A	Z	-3.549	2.17
60	MP4A	Mx	.005	2.17
61	MP4A	X	-6.147	5
62	MP4A	Z	-3.549	5
63	MP4A	Mx	.005	5
64	MP4B	X	-10.643	2.17
65	MP4B	Z	-6.145	2.17
66	MP4B	Mx	-.002	2.17
67	MP4B	X	-10.643	5
68	MP4B	Z	-6.145	5
69	MP4B	Mx	-.002	5
70	MP4C	X	-5.316	2.17
71	MP4C	Z	-3.069	2.17
72	MP4C	Mx	-.004	2.17
73	MP4C	X	-5.316	5
74	MP4C	Z	-3.069	5
75	MP4C	Mx	-.004	5
76	MP2A	X	-3.501	2
77	MP2A	Z	-2.021	2
78	MP2A	Mx	-.004	2
79	MP2A	X	-3.501	2
80	MP2A	Z	-2.021	2
81	MP2A	Mx	-.004	2
82	MP2B	X	-4.504	2
83	MP2B	Z	-2.6	2
84	MP2B	Mx	.000903	2
85	MP2B	X	-4.504	2
86	MP2B	Z	-2.6	2
87	MP2B	Mx	.000903	2
88	MP2C	X	-3.316	2
89	MP2C	Z	-1.914	2
90	MP2C	Mx	.004	2
91	MP2C	X	-3.316	2
92	MP2C	Z	-1.914	2
93	MP2C	Mx	.004	2
94	MP2A	X	-3.104	5
95	MP2A	Z	-1.792	5
96	MP2A	Mx	-.003	5
97	MP2A	X	-3.104	5
98	MP2A	Z	-1.792	5
99	MP2A	Mx	-.003	5
100	MP2B	X	-4.488	5
101	MP2B	Z	-2.591	5
102	MP2B	Mx	.0009	5
103	MP2B	X	-4.488	5
104	MP2B	Z	-2.591	5
105	MP2B	Mx	.0009	5
106	MP2C	X	-2.849	5
107	MP2C	Z	-1.645	5
108	MP2C	Mx	.003	5
109	MP2C	X	-2.849	5
110	MP2C	Z	-1.645	5
111	MP2C	Mx	.003	5
112	SP12	X	-11.749	1.75
113	SP12	Z	-6.784	1.75
114	SP12	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.728	.5
2	MP1A	Z	-15.117	.5
3	MP1A	Mx	.007	.5
4	MP1A	X	-8.728	6.25
5	MP1A	Z	-15.117	6.25
6	MP1A	Mx	.007	6.25
7	MP1B	X	-9.342	.5
8	MP1B	Z	-16.182	.5
9	MP1B	Mx	.005	.5
10	MP1B	X	-9.342	6.25
11	MP1B	Z	-16.182	6.25
12	MP1B	Mx	.005	6.25
13	MP1C	X	-5.401	.5
14	MP1C	Z	-9.355	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-5.401	6.25
17	MP1C	Z	-9.355	6.25
18	MP1C	Mx	-.008	6.25
19	SP12	X	-6.591	1.25
20	SP12	Z	-11.416	1.25
21	SP12	Mx	-.002	1.25
22	MP3A	X	-11.929	.5
23	MP3A	Z	-20.662	.5
24	MP3A	Mx	.026	.5
25	MP3A	X	-11.929	6.5
26	MP3A	Z	-20.662	6.5
27	MP3A	Mx	.026	6.5
28	MP3B	X	-12.343	.5
29	MP3B	Z	-21.378	.5
30	MP3B	Mx	-.013	.5
31	MP3B	X	-12.343	6.5
32	MP3B	Z	-21.378	6.5
33	MP3B	Mx	-.013	6.5
34	MP3C	X	-9.693	.5
35	MP3C	Z	-16.789	.5
36	MP3C	Mx	-.017	.5
37	MP3C	X	-9.693	6.5
38	MP3C	Z	-16.789	6.5
39	MP3C	Mx	-.017	6.5
40	MP3A	X	-11.929	.5
41	MP3A	Z	-20.662	.5
42	MP3A	Mx	-.008	.5
43	MP3A	X	-11.929	6.5
44	MP3A	Z	-20.662	6.5
45	MP3A	Mx	-.008	6.5
46	MP3B	X	-12.343	.5
47	MP3B	Z	-21.378	.5
48	MP3B	Mx	.026	.5
49	MP3B	X	-12.343	6.5
50	MP3B	Z	-21.378	6.5
51	MP3B	Mx	.026	6.5
52	MP3C	X	-9.693	.5
53	MP3C	Z	-16.789	.5
54	MP3C	Mx	-.012	.5
55	MP3C	X	-9.693	6.5
56	MP3C	Z	-16.789	6.5
57	MP3C	Mx	-.012	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-5.352	2.17
59	MP4A	Z	-9.27	2.17
60	MP4A	Mx	.004	2.17
61	MP4A	X	-5.352	5
62	MP4A	Z	-9.27	5
63	MP4A	Mx	.004	5
64	MP4B	X	-5.832	2.17
65	MP4B	Z	-10.101	2.17
66	MP4B	Mx	.003	2.17
67	MP4B	X	-5.832	5
68	MP4B	Z	-10.101	5
69	MP4B	Mx	.003	5
70	MP4C	X	-2.756	2.17
71	MP4C	Z	-4.774	2.17
72	MP4C	Mx	-.004	2.17
73	MP4C	X	-2.756	5
74	MP4C	Z	-4.774	5
75	MP4C	Mx	-.004	5
76	MP2A	X	-2.424	2
77	MP2A	Z	-4.198	2
78	MP2A	Mx	-.002	2
79	MP2A	X	-2.424	2
80	MP2A	Z	-4.198	2
81	MP2A	Mx	-.002	2
82	MP2B	X	-2.531	2
83	MP2B	Z	-4.383	2
84	MP2B	Mx	-.002	2
85	MP2B	X	-2.531	2
86	MP2B	Z	-4.383	2
87	MP2B	Mx	-.002	2
88	MP2C	X	-1.845	2
89	MP2C	Z	-3.195	2
90	MP2C	Mx	.004	2
91	MP2C	X	-1.845	2
92	MP2C	Z	-3.195	2
93	MP2C	Mx	.004	2
94	MP2A	X	-2.347	5
95	MP2A	Z	-4.065	5
96	MP2A	Mx	-.002	5
97	MP2A	X	-2.347	5
98	MP2A	Z	-4.065	5
99	MP2A	Mx	-.002	5
100	MP2B	X	-2.495	5
101	MP2B	Z	-4.321	5
102	MP2B	Mx	-.002	5
103	MP2B	X	-2.495	5
104	MP2B	Z	-4.321	5
105	MP2B	Mx	-.002	5
106	MP2C	X	-1.548	5
107	MP2C	Z	-2.682	5
108	MP2C	Mx	.003	5
109	MP2C	X	-1.548	5
110	MP2C	Z	-2.682	5
111	MP2C	Mx	.003	5
112	SP12	X	-6.591	1.75
113	SP12	Z	-11.416	1.75
114	SP12	Mx	-.002	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-6.475	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	-6.475	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	-4.56	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	0	6.25
11	MP1B	Z	-4.56	6.25
12	MP1B	Mx	.003	6.25
13	MP1C	X	0	.5
14	MP1C	Z	-4.56	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	0	6.25
17	MP1C	Z	-4.56	6.25
18	MP1C	Mx	-.003	6.25
19	SP12	X	0	1.25
20	SP12	Z	-3.397	1.25
21	SP12	Mx	-.001	1.25
22	MP3A	X	0	.5
23	MP3A	Z	-8.442	.5
24	MP3A	Mx	.007	.5
25	MP3A	X	0	6.5
26	MP3A	Z	-8.442	6.5
27	MP3A	Mx	.007	6.5
28	MP3B	X	0	.5
29	MP3B	Z	-7.171	.5
30	MP3B	Mx	.000279	.5
31	MP3B	X	0	6.5
32	MP3B	Z	-7.171	6.5
33	MP3B	Mx	.000279	6.5
34	MP3C	X	0	.5
35	MP3C	Z	-7.171	.5
36	MP3C	Mx	-.008	.5
37	MP3C	X	0	6.5
38	MP3C	Z	-7.171	6.5
39	MP3C	Mx	-.008	6.5
40	MP3A	X	0	.5
41	MP3A	Z	-8.442	.5
42	MP3A	Mx	-.007	.5
43	MP3A	X	0	6.5
44	MP3A	Z	-8.442	6.5
45	MP3A	Mx	-.007	6.5
46	MP3B	X	0	.5
47	MP3B	Z	-7.171	.5
48	MP3B	Mx	.008	.5
49	MP3B	X	0	6.5
50	MP3B	Z	-7.171	6.5
51	MP3B	Mx	.008	6.5
52	MP3C	X	0	.5
53	MP3C	Z	-7.171	.5
54	MP3C	Mx	-.000279	.5
55	MP3C	X	0	6.5
56	MP3C	Z	-7.171	6.5
57	MP3C	Mx	-.000279	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2.17
59	MP4A	Z	-4.02	2.17
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	-4.02	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	-2.585	2.17
66	MP4B	Mx	.001	2.17
67	MP4B	X	0	5
68	MP4B	Z	-2.585	5
69	MP4B	Mx	.001	5
70	MP4C	X	0	2.17
71	MP4C	Z	-2.585	2.17
72	MP4C	Mx	-.001	2.17
73	MP4C	X	0	5
74	MP4C	Z	-2.585	5
75	MP4C	Mx	-.001	5
76	MP2A	X	0	2
77	MP2A	Z	-1.599	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	-1.599	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	-1.288	2
84	MP2B	Mx	-.000987	2
85	MP2B	X	0	2
86	MP2B	Z	-1.288	2
87	MP2B	Mx	-.000987	2
88	MP2C	X	0	2
89	MP2C	Z	-1.288	2
90	MP2C	Mx	.000987	2
91	MP2C	X	0	2
92	MP2C	Z	-1.288	2
93	MP2C	Mx	.000987	2
94	MP2A	X	0	5
95	MP2A	Z	-1.599	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	-1.599	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	-1.169	5
102	MP2B	Mx	-.000896	5
103	MP2B	X	0	5
104	MP2B	Z	-1.169	5
105	MP2B	Mx	-.000896	5
106	MP2C	X	0	5
107	MP2C	Z	-1.169	5
108	MP2C	Mx	.000896	5
109	MP2C	X	0	5
110	MP2C	Z	-1.169	5
111	MP2C	Mx	.000896	5
112	SP12	X	0	1.75
113	SP12	Z	-3.397	1.75
114	SP12	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.83	.5
2	MP1A	Z	-4.901	.5
3	MP1A	Mx	-.002	.5
4	MP1A	X	2.83	6.25
5	MP1A	Z	-4.901	6.25
6	MP1A	Mx	-.002	6.25
7	MP1B	X	1.655	.5
8	MP1B	Z	-2.867	.5
9	MP1B	Mx	.002	.5
10	MP1B	X	1.655	6.25
11	MP1B	Z	-2.867	6.25
12	MP1B	Mx	.002	6.25
13	MP1C	X	3.047	.5
14	MP1C	Z	-5.277	.5
15	MP1C	Mx	-.002	.5
16	MP1C	X	3.047	6.25
17	MP1C	Z	-5.277	6.25
18	MP1C	Mx	-.002	6.25
19	SP12	X	1.411	1.25
20	SP12	Z	-2.444	1.25
21	SP12	Mx	-.001	1.25
22	MP3A	X	3.95	.5
23	MP3A	Z	-6.842	.5
24	MP3A	Mx	.003	.5
25	MP3A	X	3.95	6.5
26	MP3A	Z	-6.842	6.5
27	MP3A	Mx	.003	6.5
28	MP3B	X	3.171	.5
29	MP3B	Z	-5.492	.5
30	MP3B	Mx	.004	.5
31	MP3B	X	3.171	6.5
32	MP3B	Z	-5.492	6.5
33	MP3B	Mx	.004	6.5
34	MP3C	X	4.094	.5
35	MP3C	Z	-7.092	.5
36	MP3C	Mx	-.009	.5
37	MP3C	X	4.094	6.5
38	MP3C	Z	-7.092	6.5
39	MP3C	Mx	-.009	6.5
40	MP3A	X	3.95	.5
41	MP3A	Z	-6.842	.5
42	MP3A	Mx	-.009	.5
43	MP3A	X	3.95	6.5
44	MP3A	Z	-6.842	6.5
45	MP3A	Mx	-.009	6.5
46	MP3B	X	3.171	.5
47	MP3B	Z	-5.492	.5
48	MP3B	Mx	.006	.5
49	MP3B	X	3.171	6.5
50	MP3B	Z	-5.492	6.5
51	MP3B	Mx	.006	6.5
52	MP3C	X	4.094	.5
53	MP3C	Z	-7.092	.5
54	MP3C	Mx	.004	.5
55	MP3C	X	4.094	6.5
56	MP3C	Z	-7.092	6.5
57	MP3C	Mx	.004	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	1.704	2.17
59	MP4A	Z	-2.952	2.17
60	MP4A	Mx	-.001	2.17
61	MP4A	X	1.704	5
62	MP4A	Z	-2.952	5
63	MP4A	Mx	-.001	5
64	MP4B	X	.824	2.17
65	MP4B	Z	-1.427	2.17
66	MP4B	Mx	.001	2.17
67	MP4B	X	.824	5
68	MP4B	Z	-1.427	5
69	MP4B	Mx	.001	5
70	MP4C	X	1.867	2.17
71	MP4C	Z	-3.234	2.17
72	MP4C	Mx	-.000958	2.17
73	MP4C	X	1.867	5
74	MP4C	Z	-3.234	5
75	MP4C	Mx	-.000958	5
76	MP2A	X	.733	2
77	MP2A	Z	-1.27	2
78	MP2A	Mx	.000733	2
79	MP2A	X	.733	2
80	MP2A	Z	-1.27	2
81	MP2A	Mx	.000733	2
82	MP2B	X	.543	2
83	MP2B	Z	-.94	2
84	MP2B	Mx	-.001	2
85	MP2B	X	.543	2
86	MP2B	Z	-.94	2
87	MP2B	Mx	-.001	2
88	MP2C	X	.769	2
89	MP2C	Z	-1.331	2
90	MP2C	Mx	.000525	2
91	MP2C	X	.769	2
92	MP2C	Z	-1.331	2
93	MP2C	Mx	.000525	2
94	MP2A	X	.708	5
95	MP2A	Z	-1.226	5
96	MP2A	Mx	.000708	5
97	MP2A	X	.708	5
98	MP2A	Z	-1.226	5
99	MP2A	Mx	.000708	5
100	MP2B	X	.444	5
101	MP2B	Z	-.769	5
102	MP2B	Mx	-.000874	5
103	MP2B	X	.444	5
104	MP2B	Z	-.769	5
105	MP2B	Mx	-.000874	5
106	MP2C	X	.757	5
107	MP2C	Z	-1.311	5
108	MP2C	Mx	.000518	5
109	MP2C	X	.757	5
110	MP2C	Z	-1.311	5
111	MP2C	Mx	.000518	5
112	SP12	X	1.411	1.75
113	SP12	Z	-2.444	1.75
114	SP12	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.488	.5
2	MP1A	Z	-2.014	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	3.488	6.25
5	MP1A	Z	-2.014	6.25
6	MP1A	Mx	-.003	6.25
7	MP1B	X	3.112	.5
8	MP1B	Z	-1.797	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	3.112	6.25
11	MP1B	Z	-1.797	6.25
12	MP1B	Mx	.003	6.25
13	MP1C	X	5.522	.5
14	MP1C	Z	-3.188	.5
15	MP1C	Mx	.00083	.5
16	MP1C	X	5.522	6.25
17	MP1C	Z	-3.188	6.25
18	MP1C	Mx	.00083	6.25
19	SP12	X	2.557	1.25
20	SP12	Z	-1.476	1.25
21	SP12	Mx	-.001	1.25
22	MP3A	X	5.904	.5
23	MP3A	Z	-3.409	.5
24	MP3A	Mx	-.002	.5
25	MP3A	X	5.904	6.5
26	MP3A	Z	-3.409	6.5
27	MP3A	Mx	-.002	6.5
28	MP3B	X	5.655	.5
29	MP3B	Z	-3.265	.5
30	MP3B	Mx	.006	.5
31	MP3B	X	5.655	6.5
32	MP3B	Z	-3.265	6.5
33	MP3B	Mx	.006	6.5
34	MP3C	X	7.255	.5
35	MP3C	Z	-4.188	.5
36	MP3C	Mx	-.006	.5
37	MP3C	X	7.255	6.5
38	MP3C	Z	-4.188	6.5
39	MP3C	Mx	-.006	6.5
40	MP3A	X	5.904	.5
41	MP3A	Z	-3.409	.5
42	MP3A	Mx	-.007	.5
43	MP3A	X	5.904	6.5
44	MP3A	Z	-3.409	6.5
45	MP3A	Mx	-.007	6.5
46	MP3B	X	5.655	.5
47	MP3B	Z	-3.265	.5
48	MP3B	Mx	.003	.5
49	MP3B	X	5.655	6.5
50	MP3B	Z	-3.265	6.5
51	MP3B	Mx	.003	6.5
52	MP3C	X	7.255	.5
53	MP3C	Z	-4.188	.5
54	MP3C	Mx	.008	.5
55	MP3C	X	7.255	6.5
56	MP3C	Z	-4.188	6.5
57	MP3C	Mx	.008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	1.893	2.17
59	MP4A	Z	-1.093	2.17
60	MP4A	Mx	-.001	2.17
61	MP4A	X	1.893	5
62	MP4A	Z	-1.093	5
63	MP4A	Mx	-.001	5
64	MP4B	X	1.611	2.17
65	MP4B	Z	-.93	2.17
66	MP4B	Mx	.001	2.17
67	MP4B	X	1.611	5
68	MP4B	Z	-.93	5
69	MP4B	Mx	.001	5
70	MP4C	X	3.418	2.17
71	MP4C	Z	-1.973	2.17
72	MP4C	Mx	.000514	2.17
73	MP4C	X	3.418	5
74	MP4C	Z	-1.973	5
75	MP4C	Mx	.000514	5
76	MP2A	X	1.041	2
77	MP2A	Z	-.601	2
78	MP2A	Mx	.001	2
79	MP2A	X	1.041	2
80	MP2A	Z	-.601	2
81	MP2A	Mx	.001	2
82	MP2B	X	.98	2
83	MP2B	Z	-.566	2
84	MP2B	Mx	-.001	2
85	MP2B	X	.98	2
86	MP2B	Z	-.566	2
87	MP2B	Mx	-.001	2
88	MP2C	X	1.371	2
89	MP2C	Z	-.792	2
90	MP2C	Mx	-.000275	2
91	MP2C	X	1.371	2
92	MP2C	Z	-.792	2
93	MP2C	Mx	-.000275	2
94	MP2A	X	.909	5
95	MP2A	Z	-.525	5
96	MP2A	Mx	.000909	5
97	MP2A	X	.909	5
98	MP2A	Z	-.525	5
99	MP2A	Mx	.000909	5
100	MP2B	X	.824	5
101	MP2B	Z	-.476	5
102	MP2B	Mx	-.000894	5
103	MP2B	X	.824	5
104	MP2B	Z	-.476	5
105	MP2B	Mx	-.000894	5
106	MP2C	X	1.366	5
107	MP2C	Z	-.789	5
108	MP2C	Mx	-.000274	5
109	MP2C	X	1.366	5
110	MP2C	Z	-.789	5
111	MP2C	Mx	-.000274	5
112	SP12	X	2.557	1.75
113	SP12	Z	-1.476	1.75
114	SP12	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.212	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.002	.5
4	MP1A	X	3.212	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	-.002	6.25
7	MP1B	X	5.127	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.002	.5
10	MP1B	X	5.127	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	.002	6.25
13	MP1C	X	5.127	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.002	.5
16	MP1C	X	5.127	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	.002	6.25
19	SP12	X	3.657	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	-.001	1.25
22	MP3A	X	6.276	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	-.005	.5
25	MP3A	X	6.276	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	-.005	6.5
28	MP3B	X	7.547	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.008	.5
31	MP3B	X	7.547	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	.008	6.5
34	MP3C	X	7.547	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	-.001	.5
37	MP3C	X	7.547	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	-.001	6.5
40	MP3A	X	6.276	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	-.005	.5
43	MP3A	X	6.276	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	-.005	6.5
46	MP3B	X	7.547	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	-.001	.5
49	MP3B	X	7.547	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	-.001	6.5
52	MP3C	X	7.547	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	.008	.5
55	MP3C	X	7.547	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	.008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	1.574	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	-.001	2.17
61	MP4A	X	1.574	5
62	MP4A	Z	0	5
63	MP4A	Mx	-.001	5
64	MP4B	X	3.009	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	.001	2.17
67	MP4B	X	3.009	5
68	MP4B	Z	0	5
69	MP4B	Mx	.001	5
70	MP4C	X	3.009	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	.001	2.17
73	MP4C	X	3.009	5
74	MP4C	Z	0	5
75	MP4C	Mx	.001	5
76	MP2A	X	1.069	2
77	MP2A	Z	0	2
78	MP2A	Mx	.001	2
79	MP2A	X	1.069	2
80	MP2A	Z	0	2
81	MP2A	Mx	.001	2
82	MP2B	X	1.38	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.000887	2
85	MP2B	X	1.38	2
86	MP2B	Z	0	2
87	MP2B	Mx	-.000887	2
88	MP2C	X	1.38	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.000887	2
91	MP2C	X	1.38	2
92	MP2C	Z	0	2
93	MP2C	Mx	-.000887	2
94	MP2A	X	.866	5
95	MP2A	Z	0	5
96	MP2A	Mx	.000866	5
97	MP2A	X	.866	5
98	MP2A	Z	0	5
99	MP2A	Mx	.000866	5
100	MP2B	X	1.296	5
101	MP2B	Z	0	5
102	MP2B	Mx	-.000833	5
103	MP2B	X	1.296	5
104	MP2B	Z	0	5
105	MP2B	Mx	-.000833	5
106	MP2C	X	1.296	5
107	MP2C	Z	0	5
108	MP2C	Mx	-.000833	5
109	MP2C	X	1.296	5
110	MP2C	Z	0	5
111	MP2C	Mx	-.000833	5
112	SP12	X	3.657	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.488	.5
2	MP1A	Z	2.014	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	3.488	6.25
5	MP1A	Z	2.014	6.25
6	MP1A	Mx	-.003	6.25
7	MP1B	X	5.522	.5
8	MP1B	Z	3.188	.5
9	MP1B	Mx	.00083	.5
10	MP1B	X	5.522	6.25
11	MP1B	Z	3.188	6.25
12	MP1B	Mx	.00083	6.25
13	MP1C	X	3.112	.5
14	MP1C	Z	1.797	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	3.112	6.25
17	MP1C	Z	1.797	6.25
18	MP1C	Mx	.003	6.25
19	SP12	X	3.665	1.25
20	SP12	Z	2.116	1.25
21	SP12	Mx	-.000367	1.25
22	MP3A	X	5.904	.5
23	MP3A	Z	3.409	.5
24	MP3A	Mx	-.007	.5
25	MP3A	X	5.904	6.5
26	MP3A	Z	3.409	6.5
27	MP3A	Mx	-.007	6.5
28	MP3B	X	7.255	.5
29	MP3B	Z	4.188	.5
30	MP3B	Mx	.008	.5
31	MP3B	X	7.255	6.5
32	MP3B	Z	4.188	6.5
33	MP3B	Mx	.008	6.5
34	MP3C	X	5.655	.5
35	MP3C	Z	3.265	.5
36	MP3C	Mx	.003	.5
37	MP3C	X	5.655	6.5
38	MP3C	Z	3.265	6.5
39	MP3C	Mx	.003	6.5
40	MP3A	X	5.904	.5
41	MP3A	Z	3.409	.5
42	MP3A	Mx	-.002	.5
43	MP3A	X	5.904	6.5
44	MP3A	Z	3.409	6.5
45	MP3A	Mx	-.002	6.5
46	MP3B	X	7.255	.5
47	MP3B	Z	4.188	.5
48	MP3B	Mx	-.006	.5
49	MP3B	X	7.255	6.5
50	MP3B	Z	4.188	6.5
51	MP3B	Mx	-.006	6.5
52	MP3C	X	5.655	.5
53	MP3C	Z	3.265	.5
54	MP3C	Mx	.006	.5
55	MP3C	X	5.655	6.5
56	MP3C	Z	3.265	6.5
57	MP3C	Mx	.006	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	1.893	2.17
59	MP4A	Z	1.093	2.17
60	MP4A	Mx	-.001	2.17
61	MP4A	X	1.893	5
62	MP4A	Z	1.093	5
63	MP4A	Mx	-.001	5
64	MP4B	X	3.418	2.17
65	MP4B	Z	1.973	2.17
66	MP4B	Mx	.000514	2.17
67	MP4B	X	3.418	5
68	MP4B	Z	1.973	5
69	MP4B	Mx	.000514	5
70	MP4C	X	1.611	2.17
71	MP4C	Z	.93	2.17
72	MP4C	Mx	.001	2.17
73	MP4C	X	1.611	5
74	MP4C	Z	.93	5
75	MP4C	Mx	.001	5
76	MP2A	X	1.041	2
77	MP2A	Z	.601	2
78	MP2A	Mx	.001	2
79	MP2A	X	1.041	2
80	MP2A	Z	.601	2
81	MP2A	Mx	.001	2
82	MP2B	X	1.371	2
83	MP2B	Z	.792	2
84	MP2B	Mx	-.000275	2
85	MP2B	X	1.371	2
86	MP2B	Z	.792	2
87	MP2B	Mx	-.000275	2
88	MP2C	X	.98	2
89	MP2C	Z	.566	2
90	MP2C	Mx	-.001	2
91	MP2C	X	.98	2
92	MP2C	Z	.566	2
93	MP2C	Mx	-.001	2
94	MP2A	X	.909	5
95	MP2A	Z	.525	5
96	MP2A	Mx	.000909	5
97	MP2A	X	.909	5
98	MP2A	Z	.525	5
99	MP2A	Mx	.000909	5
100	MP2B	X	1.366	5
101	MP2B	Z	.789	5
102	MP2B	Mx	-.000274	5
103	MP2B	X	1.366	5
104	MP2B	Z	.789	5
105	MP2B	Mx	-.000274	5
106	MP2C	X	.824	5
107	MP2C	Z	.476	5
108	MP2C	Mx	-.000894	5
109	MP2C	X	.824	5
110	MP2C	Z	.476	5
111	MP2C	Mx	-.000894	5
112	SP12	X	3.665	1.75
113	SP12	Z	2.116	1.75
114	SP12	Mx	-.000367	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.83	.5
2	MP1A	Z	4.901	.5
3	MP1A	Mx	-.002	.5
4	MP1A	X	2.83	6.25
5	MP1A	Z	4.901	6.25
6	MP1A	Mx	-.002	6.25
7	MP1B	X	3.047	.5
8	MP1B	Z	5.277	.5
9	MP1B	Mx	-.002	.5
10	MP1B	X	3.047	6.25
11	MP1B	Z	5.277	6.25
12	MP1B	Mx	-.002	6.25
13	MP1C	X	1.655	.5
14	MP1C	Z	2.867	.5
15	MP1C	Mx	.002	.5
16	MP1C	X	1.655	6.25
17	MP1C	Z	2.867	6.25
18	MP1C	Mx	.002	6.25
19	SP12	X	2.051	1.25
20	SP12	Z	3.552	1.25
21	SP12	Mx	.000701	1.25
22	MP3A	X	3.95	.5
23	MP3A	Z	6.842	.5
24	MP3A	Mx	-.009	.5
25	MP3A	X	3.95	6.5
26	MP3A	Z	6.842	6.5
27	MP3A	Mx	-.009	6.5
28	MP3B	X	4.094	.5
29	MP3B	Z	7.092	.5
30	MP3B	Mx	.004	.5
31	MP3B	X	4.094	6.5
32	MP3B	Z	7.092	6.5
33	MP3B	Mx	.004	6.5
34	MP3C	X	3.171	.5
35	MP3C	Z	5.492	.5
36	MP3C	Mx	.006	.5
37	MP3C	X	3.171	6.5
38	MP3C	Z	5.492	6.5
39	MP3C	Mx	.006	6.5
40	MP3A	X	3.95	.5
41	MP3A	Z	6.842	.5
42	MP3A	Mx	.003	.5
43	MP3A	X	3.95	6.5
44	MP3A	Z	6.842	6.5
45	MP3A	Mx	.003	6.5
46	MP3B	X	4.094	.5
47	MP3B	Z	7.092	.5
48	MP3B	Mx	-.009	.5
49	MP3B	X	4.094	6.5
50	MP3B	Z	7.092	6.5
51	MP3B	Mx	-.009	6.5
52	MP3C	X	3.171	.5
53	MP3C	Z	5.492	.5
54	MP3C	Mx	.004	.5
55	MP3C	X	3.171	6.5
56	MP3C	Z	5.492	6.5
57	MP3C	Mx	.004	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	1.704	2.17
59	MP4A	Z	2.952	2.17
60	MP4A	Mx	-.001	2.17
61	MP4A	X	1.704	5
62	MP4A	Z	2.952	5
63	MP4A	Mx	-.001	5
64	MP4B	X	1.867	2.17
65	MP4B	Z	3.234	2.17
66	MP4B	Mx	-.000958	2.17
67	MP4B	X	1.867	5
68	MP4B	Z	3.234	5
69	MP4B	Mx	-.000958	5
70	MP4C	X	.824	2.17
71	MP4C	Z	1.427	2.17
72	MP4C	Mx	.001	2.17
73	MP4C	X	.824	5
74	MP4C	Z	1.427	5
75	MP4C	Mx	.001	5
76	MP2A	X	.733	2
77	MP2A	Z	1.27	2
78	MP2A	Mx	.000733	2
79	MP2A	X	.733	2
80	MP2A	Z	1.27	2
81	MP2A	Mx	.000733	2
82	MP2B	X	.769	2
83	MP2B	Z	1.331	2
84	MP2B	Mx	.000525	2
85	MP2B	X	.769	2
86	MP2B	Z	1.331	2
87	MP2B	Mx	.000525	2
88	MP2C	X	.543	2
89	MP2C	Z	.94	2
90	MP2C	Mx	-.001	2
91	MP2C	X	.543	2
92	MP2C	Z	.94	2
93	MP2C	Mx	-.001	2
94	MP2A	X	.708	5
95	MP2A	Z	1.226	5
96	MP2A	Mx	.000708	5
97	MP2A	X	.708	5
98	MP2A	Z	1.226	5
99	MP2A	Mx	.000708	5
100	MP2B	X	.757	5
101	MP2B	Z	1.311	5
102	MP2B	Mx	.000518	5
103	MP2B	X	.757	5
104	MP2B	Z	1.311	5
105	MP2B	Mx	.000518	5
106	MP2C	X	.444	5
107	MP2C	Z	.769	5
108	MP2C	Mx	-.000874	5
109	MP2C	X	.444	5
110	MP2C	Z	.769	5
111	MP2C	Mx	-.000874	5
112	SP12	X	2.051	1.75
113	SP12	Z	3.552	1.75
114	SP12	Mx	.000701	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	6.475	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.25
5	MP1A	Z	6.475	6.25
6	MP1A	Mx	0	6.25
7	MP1B	X	0	.5
8	MP1B	Z	4.56	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	0	6.25
11	MP1B	Z	4.56	6.25
12	MP1B	Mx	-.003	6.25
13	MP1C	X	0	.5
14	MP1C	Z	4.56	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	0	6.25
17	MP1C	Z	4.56	6.25
18	MP1C	Mx	.003	6.25
19	SP12	X	0	1.25
20	SP12	Z	3.397	1.25
21	SP12	Mx	.001	1.25
22	MP3A	X	0	.5
23	MP3A	Z	8.442	.5
24	MP3A	Mx	-.007	.5
25	MP3A	X	0	6.5
26	MP3A	Z	8.442	6.5
27	MP3A	Mx	-.007	6.5
28	MP3B	X	0	.5
29	MP3B	Z	7.171	.5
30	MP3B	Mx	-.000279	.5
31	MP3B	X	0	6.5
32	MP3B	Z	7.171	6.5
33	MP3B	Mx	-.000279	6.5
34	MP3C	X	0	.5
35	MP3C	Z	7.171	.5
36	MP3C	Mx	.008	.5
37	MP3C	X	0	6.5
38	MP3C	Z	7.171	6.5
39	MP3C	Mx	.008	6.5
40	MP3A	X	0	.5
41	MP3A	Z	8.442	.5
42	MP3A	Mx	.007	.5
43	MP3A	X	0	6.5
44	MP3A	Z	8.442	6.5
45	MP3A	Mx	.007	6.5
46	MP3B	X	0	.5
47	MP3B	Z	7.171	.5
48	MP3B	Mx	-.008	.5
49	MP3B	X	0	6.5
50	MP3B	Z	7.171	6.5
51	MP3B	Mx	-.008	6.5
52	MP3C	X	0	.5
53	MP3C	Z	7.171	.5
54	MP3C	Mx	.000279	.5
55	MP3C	X	0	6.5
56	MP3C	Z	7.171	6.5
57	MP3C	Mx	.000279	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2.17
59	MP4A	Z	4.02	2.17
60	MP4A	Mx	0	2.17
61	MP4A	X	0	5
62	MP4A	Z	4.02	5
63	MP4A	Mx	0	5
64	MP4B	X	0	2.17
65	MP4B	Z	2.585	2.17
66	MP4B	Mx	-.001	2.17
67	MP4B	X	0	5
68	MP4B	Z	2.585	5
69	MP4B	Mx	-.001	5
70	MP4C	X	0	2.17
71	MP4C	Z	2.585	2.17
72	MP4C	Mx	.001	2.17
73	MP4C	X	0	5
74	MP4C	Z	2.585	5
75	MP4C	Mx	.001	5
76	MP2A	X	0	2
77	MP2A	Z	1.599	2
78	MP2A	Mx	0	2
79	MP2A	X	0	2
80	MP2A	Z	1.599	2
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	1.288	2
84	MP2B	Mx	.000987	2
85	MP2B	X	0	2
86	MP2B	Z	1.288	2
87	MP2B	Mx	.000987	2
88	MP2C	X	0	2
89	MP2C	Z	1.288	2
90	MP2C	Mx	-.000987	2
91	MP2C	X	0	2
92	MP2C	Z	1.288	2
93	MP2C	Mx	-.000987	2
94	MP2A	X	0	5
95	MP2A	Z	1.599	5
96	MP2A	Mx	0	5
97	MP2A	X	0	5
98	MP2A	Z	1.599	5
99	MP2A	Mx	0	5
100	MP2B	X	0	5
101	MP2B	Z	1.169	5
102	MP2B	Mx	.000896	5
103	MP2B	X	0	5
104	MP2B	Z	1.169	5
105	MP2B	Mx	.000896	5
106	MP2C	X	0	5
107	MP2C	Z	1.169	5
108	MP2C	Mx	-.000896	5
109	MP2C	X	0	5
110	MP2C	Z	1.169	5
111	MP2C	Mx	-.000896	5
112	SP12	X	0	1.75
113	SP12	Z	3.397	1.75
114	SP12	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.83	.5
2	MP1A	Z	4.901	.5
3	MP1A	Mx	.002	.5
4	MP1A	X	-2.83	6.25
5	MP1A	Z	4.901	6.25
6	MP1A	Mx	.002	6.25
7	MP1B	X	-1.655	.5
8	MP1B	Z	2.867	.5
9	MP1B	Mx	-.002	.5
10	MP1B	X	-1.655	6.25
11	MP1B	Z	2.867	6.25
12	MP1B	Mx	-.002	6.25
13	MP1C	X	-3.047	.5
14	MP1C	Z	5.277	.5
15	MP1C	Mx	.002	.5
16	MP1C	X	-3.047	6.25
17	MP1C	Z	5.277	6.25
18	MP1C	Mx	.002	6.25
19	SP12	X	-1.411	1.25
20	SP12	Z	2.444	1.25
21	SP12	Mx	.001	1.25
22	MP3A	X	-3.95	.5
23	MP3A	Z	6.842	.5
24	MP3A	Mx	-.003	.5
25	MP3A	X	-3.95	6.5
26	MP3A	Z	6.842	6.5
27	MP3A	Mx	-.003	6.5
28	MP3B	X	-3.171	.5
29	MP3B	Z	5.492	.5
30	MP3B	Mx	-.004	.5
31	MP3B	X	-3.171	6.5
32	MP3B	Z	5.492	6.5
33	MP3B	Mx	-.004	6.5
34	MP3C	X	-4.094	.5
35	MP3C	Z	7.092	.5
36	MP3C	Mx	.009	.5
37	MP3C	X	-4.094	6.5
38	MP3C	Z	7.092	6.5
39	MP3C	Mx	.009	6.5
40	MP3A	X	-3.95	.5
41	MP3A	Z	6.842	.5
42	MP3A	Mx	.009	.5
43	MP3A	X	-3.95	6.5
44	MP3A	Z	6.842	6.5
45	MP3A	Mx	.009	6.5
46	MP3B	X	-3.171	.5
47	MP3B	Z	5.492	.5
48	MP3B	Mx	-.006	.5
49	MP3B	X	-3.171	6.5
50	MP3B	Z	5.492	6.5
51	MP3B	Mx	-.006	6.5
52	MP3C	X	-4.094	.5
53	MP3C	Z	7.092	.5
54	MP3C	Mx	-.004	.5
55	MP3C	X	-4.094	6.5
56	MP3C	Z	7.092	6.5
57	MP3C	Mx	-.004	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-1.704	2.17
59	MP4A	Z	2.952	2.17
60	MP4A	Mx	.001	2.17
61	MP4A	X	-1.704	5
62	MP4A	Z	2.952	5
63	MP4A	Mx	.001	5
64	MP4B	X	-.824	2.17
65	MP4B	Z	1.427	2.17
66	MP4B	Mx	-.001	2.17
67	MP4B	X	-.824	5
68	MP4B	Z	1.427	5
69	MP4B	Mx	-.001	5
70	MP4C	X	-1.867	2.17
71	MP4C	Z	3.234	2.17
72	MP4C	Mx	.000958	2.17
73	MP4C	X	-1.867	5
74	MP4C	Z	3.234	5
75	MP4C	Mx	.000958	5
76	MP2A	X	-.733	2
77	MP2A	Z	1.27	2
78	MP2A	Mx	-.000733	2
79	MP2A	X	-.733	2
80	MP2A	Z	1.27	2
81	MP2A	Mx	-.000733	2
82	MP2B	X	-.543	2
83	MP2B	Z	.94	2
84	MP2B	Mx	.001	2
85	MP2B	X	-.543	2
86	MP2B	Z	.94	2
87	MP2B	Mx	.001	2
88	MP2C	X	-.769	2
89	MP2C	Z	1.331	2
90	MP2C	Mx	-.000525	2
91	MP2C	X	-.769	2
92	MP2C	Z	1.331	2
93	MP2C	Mx	-.000525	2
94	MP2A	X	-.708	5
95	MP2A	Z	1.226	5
96	MP2A	Mx	-.000708	5
97	MP2A	X	-.708	5
98	MP2A	Z	1.226	5
99	MP2A	Mx	-.000708	5
100	MP2B	X	-.444	5
101	MP2B	Z	.769	5
102	MP2B	Mx	.000874	5
103	MP2B	X	-.444	5
104	MP2B	Z	.769	5
105	MP2B	Mx	.000874	5
106	MP2C	X	-.757	5
107	MP2C	Z	1.311	5
108	MP2C	Mx	-.000518	5
109	MP2C	X	-.757	5
110	MP2C	Z	1.311	5
111	MP2C	Mx	-.000518	5
112	SP12	X	-1.411	1.75
113	SP12	Z	2.444	1.75
114	SP12	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.488	.5
2	MP1A	Z	2.014	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-3.488	6.25
5	MP1A	Z	2.014	6.25
6	MP1A	Mx	.003	6.25
7	MP1B	X	-3.112	.5
8	MP1B	Z	1.797	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-3.112	6.25
11	MP1B	Z	1.797	6.25
12	MP1B	Mx	-.003	6.25
13	MP1C	X	-5.522	.5
14	MP1C	Z	3.188	.5
15	MP1C	Mx	-.00083	.5
16	MP1C	X	-5.522	6.25
17	MP1C	Z	3.188	6.25
18	MP1C	Mx	-.00083	6.25
19	SP12	X	-2.557	1.25
20	SP12	Z	1.476	1.25
21	SP12	Mx	.001	1.25
22	MP3A	X	-5.904	.5
23	MP3A	Z	3.409	.5
24	MP3A	Mx	.002	.5
25	MP3A	X	-5.904	6.5
26	MP3A	Z	3.409	6.5
27	MP3A	Mx	.002	6.5
28	MP3B	X	-5.655	.5
29	MP3B	Z	3.265	.5
30	MP3B	Mx	-.006	.5
31	MP3B	X	-5.655	6.5
32	MP3B	Z	3.265	6.5
33	MP3B	Mx	-.006	6.5
34	MP3C	X	-7.255	.5
35	MP3C	Z	4.188	.5
36	MP3C	Mx	.006	.5
37	MP3C	X	-7.255	6.5
38	MP3C	Z	4.188	6.5
39	MP3C	Mx	.006	6.5
40	MP3A	X	-5.904	.5
41	MP3A	Z	3.409	.5
42	MP3A	Mx	.007	.5
43	MP3A	X	-5.904	6.5
44	MP3A	Z	3.409	6.5
45	MP3A	Mx	.007	6.5
46	MP3B	X	-5.655	.5
47	MP3B	Z	3.265	.5
48	MP3B	Mx	-.003	.5
49	MP3B	X	-5.655	6.5
50	MP3B	Z	3.265	6.5
51	MP3B	Mx	-.003	6.5
52	MP3C	X	-7.255	.5
53	MP3C	Z	4.188	.5
54	MP3C	Mx	-.008	.5
55	MP3C	X	-7.255	6.5
56	MP3C	Z	4.188	6.5
57	MP3C	Mx	-.008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-1.893	2.17
59	MP4A	Z	1.093	2.17
60	MP4A	Mx	.001	2.17
61	MP4A	X	-1.893	5
62	MP4A	Z	1.093	5
63	MP4A	Mx	.001	5
64	MP4B	X	-1.611	2.17
65	MP4B	Z	.93	2.17
66	MP4B	Mx	-.001	2.17
67	MP4B	X	-1.611	5
68	MP4B	Z	.93	5
69	MP4B	Mx	-.001	5
70	MP4C	X	-3.418	2.17
71	MP4C	Z	1.973	2.17
72	MP4C	Mx	-.000514	2.17
73	MP4C	X	-3.418	5
74	MP4C	Z	1.973	5
75	MP4C	Mx	-.000514	5
76	MP2A	X	-1.041	2
77	MP2A	Z	.601	2
78	MP2A	Mx	-.001	2
79	MP2A	X	-1.041	2
80	MP2A	Z	.601	2
81	MP2A	Mx	-.001	2
82	MP2B	X	-.98	2
83	MP2B	Z	.566	2
84	MP2B	Mx	.001	2
85	MP2B	X	-.98	2
86	MP2B	Z	.566	2
87	MP2B	Mx	.001	2
88	MP2C	X	-1.371	2
89	MP2C	Z	.792	2
90	MP2C	Mx	.000275	2
91	MP2C	X	-1.371	2
92	MP2C	Z	.792	2
93	MP2C	Mx	.000275	2
94	MP2A	X	-.909	5
95	MP2A	Z	.525	5
96	MP2A	Mx	-.000909	5
97	MP2A	X	-.909	5
98	MP2A	Z	.525	5
99	MP2A	Mx	-.000909	5
100	MP2B	X	-.824	5
101	MP2B	Z	.476	5
102	MP2B	Mx	.000894	5
103	MP2B	X	-.824	5
104	MP2B	Z	.476	5
105	MP2B	Mx	.000894	5
106	MP2C	X	-1.366	5
107	MP2C	Z	.789	5
108	MP2C	Mx	.000274	5
109	MP2C	X	-1.366	5
110	MP2C	Z	.789	5
111	MP2C	Mx	.000274	5
112	SP12	X	-2.557	1.75
113	SP12	Z	1.476	1.75
114	SP12	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.212	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.002	.5
4	MP1A	X	-3.212	6.25
5	MP1A	Z	0	6.25
6	MP1A	Mx	.002	6.25
7	MP1B	X	-5.127	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.002	.5
10	MP1B	X	-5.127	6.25
11	MP1B	Z	0	6.25
12	MP1B	Mx	-.002	6.25
13	MP1C	X	-5.127	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.002	.5
16	MP1C	X	-5.127	6.25
17	MP1C	Z	0	6.25
18	MP1C	Mx	-.002	6.25
19	SP12	X	-3.657	1.25
20	SP12	Z	0	1.25
21	SP12	Mx	.001	1.25
22	MP3A	X	-6.276	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.005	.5
25	MP3A	X	-6.276	6.5
26	MP3A	Z	0	6.5
27	MP3A	Mx	.005	6.5
28	MP3B	X	-7.547	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	-.008	.5
31	MP3B	X	-7.547	6.5
32	MP3B	Z	0	6.5
33	MP3B	Mx	-.008	6.5
34	MP3C	X	-7.547	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.001	.5
37	MP3C	X	-7.547	6.5
38	MP3C	Z	0	6.5
39	MP3C	Mx	.001	6.5
40	MP3A	X	-6.276	.5
41	MP3A	Z	0	.5
42	MP3A	Mx	.005	.5
43	MP3A	X	-6.276	6.5
44	MP3A	Z	0	6.5
45	MP3A	Mx	.005	6.5
46	MP3B	X	-7.547	.5
47	MP3B	Z	0	.5
48	MP3B	Mx	.001	.5
49	MP3B	X	-7.547	6.5
50	MP3B	Z	0	6.5
51	MP3B	Mx	.001	6.5
52	MP3C	X	-7.547	.5
53	MP3C	Z	0	.5
54	MP3C	Mx	-.008	.5
55	MP3C	X	-7.547	6.5
56	MP3C	Z	0	6.5
57	MP3C	Mx	-.008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-1.574	2.17
59	MP4A	Z	0	2.17
60	MP4A	Mx	.001	2.17
61	MP4A	X	-1.574	5
62	MP4A	Z	0	5
63	MP4A	Mx	.001	5
64	MP4B	X	-3.009	2.17
65	MP4B	Z	0	2.17
66	MP4B	Mx	-.001	2.17
67	MP4B	X	-3.009	5
68	MP4B	Z	0	5
69	MP4B	Mx	-.001	5
70	MP4C	X	-3.009	2.17
71	MP4C	Z	0	2.17
72	MP4C	Mx	-.001	2.17
73	MP4C	X	-3.009	5
74	MP4C	Z	0	5
75	MP4C	Mx	-.001	5
76	MP2A	X	-1.069	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.001	2
79	MP2A	X	-1.069	2
80	MP2A	Z	0	2
81	MP2A	Mx	-.001	2
82	MP2B	X	-1.38	2
83	MP2B	Z	0	2
84	MP2B	Mx	.000887	2
85	MP2B	X	-1.38	2
86	MP2B	Z	0	2
87	MP2B	Mx	.000887	2
88	MP2C	X	-1.38	2
89	MP2C	Z	0	2
90	MP2C	Mx	.000887	2
91	MP2C	X	-1.38	2
92	MP2C	Z	0	2
93	MP2C	Mx	.000887	2
94	MP2A	X	-.866	5
95	MP2A	Z	0	5
96	MP2A	Mx	-.000866	5
97	MP2A	X	-.866	5
98	MP2A	Z	0	5
99	MP2A	Mx	-.000866	5
100	MP2B	X	-1.296	5
101	MP2B	Z	0	5
102	MP2B	Mx	.000833	5
103	MP2B	X	-1.296	5
104	MP2B	Z	0	5
105	MP2B	Mx	.000833	5
106	MP2C	X	-1.296	5
107	MP2C	Z	0	5
108	MP2C	Mx	.000833	5
109	MP2C	X	-1.296	5
110	MP2C	Z	0	5
111	MP2C	Mx	.000833	5
112	SP12	X	-3.657	1.75
113	SP12	Z	0	1.75
114	SP12	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.488	.5
2	MP1A	Z	-2.014	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-3.488	6.25
5	MP1A	Z	-2.014	6.25
6	MP1A	Mx	.003	6.25
7	MP1B	X	-5.522	.5
8	MP1B	Z	-3.188	.5
9	MP1B	Mx	-.00083	.5
10	MP1B	X	-5.522	6.25
11	MP1B	Z	-3.188	6.25
12	MP1B	Mx	-.00083	6.25
13	MP1C	X	-3.112	.5
14	MP1C	Z	-1.797	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-3.112	6.25
17	MP1C	Z	-1.797	6.25
18	MP1C	Mx	-.003	6.25
19	SP12	X	-3.665	1.25
20	SP12	Z	-2.116	1.25
21	SP12	Mx	.000367	1.25
22	MP3A	X	-5.904	.5
23	MP3A	Z	-3.409	.5
24	MP3A	Mx	.007	.5
25	MP3A	X	-5.904	6.5
26	MP3A	Z	-3.409	6.5
27	MP3A	Mx	.007	6.5
28	MP3B	X	-7.255	.5
29	MP3B	Z	-4.188	.5
30	MP3B	Mx	-.008	.5
31	MP3B	X	-7.255	6.5
32	MP3B	Z	-4.188	6.5
33	MP3B	Mx	-.008	6.5
34	MP3C	X	-5.655	.5
35	MP3C	Z	-3.265	.5
36	MP3C	Mx	-.003	.5
37	MP3C	X	-5.655	6.5
38	MP3C	Z	-3.265	6.5
39	MP3C	Mx	-.003	6.5
40	MP3A	X	-5.904	.5
41	MP3A	Z	-3.409	.5
42	MP3A	Mx	.002	.5
43	MP3A	X	-5.904	6.5
44	MP3A	Z	-3.409	6.5
45	MP3A	Mx	.002	6.5
46	MP3B	X	-7.255	.5
47	MP3B	Z	-4.188	.5
48	MP3B	Mx	.006	.5
49	MP3B	X	-7.255	6.5
50	MP3B	Z	-4.188	6.5
51	MP3B	Mx	.006	6.5
52	MP3C	X	-5.655	.5
53	MP3C	Z	-3.265	.5
54	MP3C	Mx	-.006	.5
55	MP3C	X	-5.655	6.5
56	MP3C	Z	-3.265	6.5
57	MP3C	Mx	-.006	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-1.893	2.17
59	MP4A	Z	-1.093	2.17
60	MP4A	Mx	.001	2.17
61	MP4A	X	-1.893	5
62	MP4A	Z	-1.093	5
63	MP4A	Mx	.001	5
64	MP4B	X	-3.418	2.17
65	MP4B	Z	-1.973	2.17
66	MP4B	Mx	-.000514	2.17
67	MP4B	X	-3.418	5
68	MP4B	Z	-1.973	5
69	MP4B	Mx	-.000514	5
70	MP4C	X	-1.611	2.17
71	MP4C	Z	-.93	2.17
72	MP4C	Mx	-.001	2.17
73	MP4C	X	-1.611	5
74	MP4C	Z	-.93	5
75	MP4C	Mx	-.001	5
76	MP2A	X	-1.041	2
77	MP2A	Z	-.601	2
78	MP2A	Mx	-.001	2
79	MP2A	X	-1.041	2
80	MP2A	Z	-.601	2
81	MP2A	Mx	-.001	2
82	MP2B	X	-1.371	2
83	MP2B	Z	-.792	2
84	MP2B	Mx	.000275	2
85	MP2B	X	-1.371	2
86	MP2B	Z	-.792	2
87	MP2B	Mx	.000275	2
88	MP2C	X	-.98	2
89	MP2C	Z	-.566	2
90	MP2C	Mx	.001	2
91	MP2C	X	-.98	2
92	MP2C	Z	-.566	2
93	MP2C	Mx	.001	2
94	MP2A	X	-.909	5
95	MP2A	Z	-.525	5
96	MP2A	Mx	-.000909	5
97	MP2A	X	-.909	5
98	MP2A	Z	-.525	5
99	MP2A	Mx	-.000909	5
100	MP2B	X	-1.366	5
101	MP2B	Z	-.789	5
102	MP2B	Mx	.000274	5
103	MP2B	X	-1.366	5
104	MP2B	Z	-.789	5
105	MP2B	Mx	.000274	5
106	MP2C	X	-.824	5
107	MP2C	Z	-.476	5
108	MP2C	Mx	.000894	5
109	MP2C	X	-.824	5
110	MP2C	Z	-.476	5
111	MP2C	Mx	.000894	5
112	SP12	X	-3.665	1.75
113	SP12	Z	-2.116	1.75
114	SP12	Mx	.000367	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.83	.5
2	MP1A	Z	-4.901	.5
3	MP1A	Mx	.002	.5
4	MP1A	X	-2.83	6.25
5	MP1A	Z	-4.901	6.25
6	MP1A	Mx	.002	6.25
7	MP1B	X	-3.047	.5
8	MP1B	Z	-5.277	.5
9	MP1B	Mx	.002	.5
10	MP1B	X	-3.047	6.25
11	MP1B	Z	-5.277	6.25
12	MP1B	Mx	.002	6.25
13	MP1C	X	-1.655	.5
14	MP1C	Z	-2.867	.5
15	MP1C	Mx	-.002	.5
16	MP1C	X	-1.655	6.25
17	MP1C	Z	-2.867	6.25
18	MP1C	Mx	-.002	6.25
19	SP12	X	-2.051	1.25
20	SP12	Z	-3.552	1.25
21	SP12	Mx	-.000701	1.25
22	MP3A	X	-3.95	.5
23	MP3A	Z	-6.842	.5
24	MP3A	Mx	.009	.5
25	MP3A	X	-3.95	6.5
26	MP3A	Z	-6.842	6.5
27	MP3A	Mx	.009	6.5
28	MP3B	X	-4.094	.5
29	MP3B	Z	-7.092	.5
30	MP3B	Mx	-.004	.5
31	MP3B	X	-4.094	6.5
32	MP3B	Z	-7.092	6.5
33	MP3B	Mx	-.004	6.5
34	MP3C	X	-3.171	.5
35	MP3C	Z	-5.492	.5
36	MP3C	Mx	-.006	.5
37	MP3C	X	-3.171	6.5
38	MP3C	Z	-5.492	6.5
39	MP3C	Mx	-.006	6.5
40	MP3A	X	-3.95	.5
41	MP3A	Z	-6.842	.5
42	MP3A	Mx	-.003	.5
43	MP3A	X	-3.95	6.5
44	MP3A	Z	-6.842	6.5
45	MP3A	Mx	-.003	6.5
46	MP3B	X	-4.094	.5
47	MP3B	Z	-7.092	.5
48	MP3B	Mx	.009	.5
49	MP3B	X	-4.094	6.5
50	MP3B	Z	-7.092	6.5
51	MP3B	Mx	.009	6.5
52	MP3C	X	-3.171	.5
53	MP3C	Z	-5.492	.5
54	MP3C	Mx	-.004	.5
55	MP3C	X	-3.171	6.5
56	MP3C	Z	-5.492	6.5
57	MP3C	Mx	-.004	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-1.704	2.17
59	MP4A	Z	-2.952	2.17
60	MP4A	Mx	.001	2.17
61	MP4A	X	-1.704	5
62	MP4A	Z	-2.952	5
63	MP4A	Mx	.001	5
64	MP4B	X	-1.867	2.17
65	MP4B	Z	-3.234	2.17
66	MP4B	Mx	.000958	2.17
67	MP4B	X	-1.867	5
68	MP4B	Z	-3.234	5
69	MP4B	Mx	.000958	5
70	MP4C	X	-.824	2.17
71	MP4C	Z	-1.427	2.17
72	MP4C	Mx	-.001	2.17
73	MP4C	X	-.824	5
74	MP4C	Z	-1.427	5
75	MP4C	Mx	-.001	5
76	MP2A	X	-.733	2
77	MP2A	Z	-1.27	2
78	MP2A	Mx	-.000733	2
79	MP2A	X	-.733	2
80	MP2A	Z	-1.27	2
81	MP2A	Mx	-.000733	2
82	MP2B	X	-.769	2
83	MP2B	Z	-1.331	2
84	MP2B	Mx	-.000525	2
85	MP2B	X	-.769	2
86	MP2B	Z	-1.331	2
87	MP2B	Mx	-.000525	2
88	MP2C	X	-.543	2
89	MP2C	Z	-.94	2
90	MP2C	Mx	.001	2
91	MP2C	X	-.543	2
92	MP2C	Z	-.94	2
93	MP2C	Mx	.001	2
94	MP2A	X	-.708	5
95	MP2A	Z	-1.226	5
96	MP2A	Mx	-.000708	5
97	MP2A	X	-.708	5
98	MP2A	Z	-1.226	5
99	MP2A	Mx	-.000708	5
100	MP2B	X	-.757	5
101	MP2B	Z	-1.311	5
102	MP2B	Mx	-.000518	5
103	MP2B	X	-.757	5
104	MP2B	Z	-1.311	5
105	MP2B	Mx	-.000518	5
106	MP2C	X	-.444	5
107	MP2C	Z	-.769	5
108	MP2C	Mx	.000874	5
109	MP2C	X	-.444	5
110	MP2C	Z	-.769	5
111	MP2C	Mx	.000874	5
112	SP12	X	-2.051	1.75
113	SP12	Z	-3.552	1.75
114	SP12	Mx	-.000701	1.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%33

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%65

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	Y	-5.975	-5.975	0	%100
2	M2	Y	-8.795	-8.795	0	%100
3	M3	Y	-9.271	-9.271	0	%100
4	M4	Y	-9.271	-9.271	0	%100
5	M5	Y	-9.271	-9.271	0	%100
6	M10	Y	-8.795	-8.795	0	%100
7	M11	Y	-9.271	-9.271	0	%100
8	M12	Y	-9.271	-9.271	0	%100
9	M13	Y	-9.271	-9.271	0	%100
10	M14	Y	-9.271	-9.271	0	%100
11	M15	Y	-5.975	-5.975	0	%100
12	M16	Y	-8.795	-8.795	0	%100
13	M17	Y	-9.271	-9.271	0	%100
14	M18	Y	-9.271	-9.271	0	%100
15	M19	Y	-9.271	-9.271	0	%100
16	M24	Y	-8.795	-8.795	0	%100
17	M25	Y	-9.271	-9.271	0	%100
18	M26	Y	-9.271	-9.271	0	%100
19	M27	Y	-9.271	-9.271	0	%100
20	M28	Y	-9.271	-9.271	0	%100
21	M29	Y	-5.975	-5.975	0	%100
22	M30	Y	-8.795	-8.795	0	%100
23	M31	Y	-9.271	-9.271	0	%100
24	M32	Y	-9.271	-9.271	0	%100
25	M33	Y	-9.271	-9.271	0	%100
26	M38	Y	-8.795	-8.795	0	%100
27	M39	Y	-9.271	-9.271	0	%100
28	M40	Y	-9.271	-9.271	0	%100
29	M41	Y	-9.271	-9.271	0	%100
30	M42	Y	-9.271	-9.271	0	%100
31	M46	Y	-5.097	-5.097	0	%100
32	M47	Y	-5.097	-5.097	0	%100
33	M48	Y	-5.097	-5.097	0	%100
34	M49	Y	-5.097	-5.097	0	%100
35	M50	Y	-5.097	-5.097	0	%100
36	M51	Y	-5.097	-5.097	0	%100
37	MP1A	Y	-4.504	-4.504	0	%100
38	MP2A	Y	-4.504	-4.504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
39	MP3A	Y	-4.504	-4.504	0	%100
40	MP4A	Y	-4.504	-4.504	0	%100
41	MP4B	Y	-4.504	-4.504	0	%100
42	MP1B	Y	-4.504	-4.504	0	%100
43	MP2B	Y	-4.504	-4.504	0	%100
44	MP3B	Y	-4.504	-4.504	0	%100
45	MP3C	Y	-4.504	-4.504	0	%100
46	MP2C	Y	-4.504	-4.504	0	%100
47	MP1C	Y	-4.504	-4.504	0	%100
48	MP4C	Y	-4.504	-4.504	0	%100
49	SP12	Y	-4.504	-4.504	0	%100
50	M75	Y	-5.158	-5.158	0	%100
51	M76	Y	-5.158	-5.158	0	%100
52	M77	Y	-5.158	-5.158	0	%100
53	M96	Y	-6.946	-6.946	0	%100
54	M97	Y	-6.946	-6.946	0	%100
55	M98	Y	-6.946	-6.946	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-9.421	-9.421	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-7.185	-7.185	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-4.037	-4.037	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-4.037	-4.037	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-16.15	-16.15	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-2.379	-2.379	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-16.15	-16.15	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-11.122	-11.122	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-4.037	-4.037	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-13.028	-13.028	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-2.355	-2.355	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-7.185	-7.185	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-16.15	-16.15	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-4.037	-4.037	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-4.037	-4.037	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-2.379	-2.379	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-4.037	-4.037	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-13.028	-13.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	-16.15	-16.15	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	-11.122	-11.122	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	-2.355	-2.355	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	-4.037	-4.037	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	-16.15	-16.15	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	-4.037	-4.037	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-9.514	-9.514	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-4.037	-4.037	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-.075	-.075	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-4.037	-4.037	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-.075	-.075	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	-2.133	-2.133	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	-2.133	-2.133	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	-8.97	-8.97	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	-2.355	-2.355	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	-2.355	-2.355	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	-8.97	-8.97	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-6.393	-6.393	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-6.393	-6.393	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-6.393	-6.393	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-6.393	-6.393	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-6.393	-6.393	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-6.393	-6.393	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-6.393	-6.393	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-6.393	-6.393	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-6.393	-6.393	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-6.393	-6.393	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-6.393	-6.393	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-6.393	-6.393	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	-5.826	-5.826	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	-7.738	-7.738	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	-1.935	-1.935	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	-1.935	-1.935	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	-2.357	-2.357	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	-9.428	-9.428	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-2.357	-2.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	3.533	3.533	0	%100
2	M1	Z	-6.119	-6.119	0	%100
3	M2	X	4.79	4.79	0	%100
4	M2	Z	-8.296	-8.296	0	%100
5	M3	X	6.056	6.056	0	%100
6	M3	Z	-10.49	-10.49	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	6.056	6.056	0	%100
10	M5	Z	-10.49	-10.49	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	6.056	6.056	0	%100
14	M11	Z	-10.49	-10.49	0	%100
15	M12	X	8.037	8.037	0	%100
16	M12	Z	-13.921	-13.921	0	%100
17	M13	X	6.056	6.056	0	%100
18	M13	Z	-10.49	-10.49	0	%100
19	M14	X	8.037	8.037	0	%100
20	M14	Z	-13.921	-13.921	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	1.197	1.197	0	%100
24	M16	Z	-2.074	-2.074	0	%100
25	M17	X	6.056	6.056	0	%100
26	M17	Z	-10.49	-10.49	0	%100
27	M18	X	6.056	6.056	0	%100
28	M18	Z	-10.49	-10.49	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	3.568	3.568	0	%100
32	M24	Z	-6.18	-6.18	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	2.514	2.514	0	%100
36	M26	Z	-4.354	-4.354	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	6.056	6.056	0	%100
38	M27	Z	-10.49	-10.49	0	%100
39	M28	X	1.561	1.561	0	%100
40	M28	Z	-2.704	-2.704	0	%100
41	M29	X	3.533	3.533	0	%100
42	M29	Z	-6.119	-6.119	0	%100
43	M30	X	1.197	1.197	0	%100
44	M30	Z	-2.074	-2.074	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	6.056	6.056	0	%100
48	M32	Z	-10.49	-10.49	0	%100
49	M33	X	6.056	6.056	0	%100
50	M33	Z	-10.49	-10.49	0	%100
51	M38	X	3.568	3.568	0	%100
52	M38	Z	-6.18	-6.18	0	%100
53	M39	X	6.056	6.056	0	%100
54	M39	Z	-10.49	-10.49	0	%100
55	M40	X	1.561	1.561	0	%100
56	M40	Z	-2.704	-2.704	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	2.514	2.514	0	%100
60	M42	Z	-4.354	-4.354	0	%100
61	M46	X	3.309	3.309	0	%100
62	M46	Z	-5.731	-5.731	0	%100
63	M47	X	.00091	.00091	0	%100
64	M47	Z	-.002	-.002	0	%100
65	M48	X	3.419	3.419	0	%100
66	M48	Z	-5.923	-5.923	0	%100
67	M49	X	3.419	3.419	0	%100
68	M49	Z	-5.923	-5.923	0	%100
69	M50	X	.00091	.00091	0	%100
70	M50	Z	-.002	-.002	0	%100
71	M51	X	3.309	3.309	0	%100
72	M51	Z	-5.731	-5.731	0	%100
73	MP1A	X	3.196	3.196	0	%100
74	MP1A	Z	-5.536	-5.536	0	%100
75	MP2A	X	3.196	3.196	0	%100
76	MP2A	Z	-5.536	-5.536	0	%100
77	MP3A	X	3.196	3.196	0	%100
78	MP3A	Z	-5.536	-5.536	0	%100
79	MP4A	X	3.196	3.196	0	%100
80	MP4A	Z	-5.536	-5.536	0	%100
81	MP4B	X	3.196	3.196	0	%100
82	MP4B	Z	-5.536	-5.536	0	%100
83	MP1B	X	3.196	3.196	0	%100
84	MP1B	Z	-5.536	-5.536	0	%100
85	MP2B	X	3.196	3.196	0	%100
86	MP2B	Z	-5.536	-5.536	0	%100
87	MP3B	X	3.196	3.196	0	%100
88	MP3B	Z	-5.536	-5.536	0	%100
89	MP3C	X	3.196	3.196	0	%100
90	MP3C	Z	-5.536	-5.536	0	%100
91	MP2C	X	3.196	3.196	0	%100
92	MP2C	Z	-5.536	-5.536	0	%100
93	MP1C	X	3.196	3.196	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-5.536	-5.536	0	%100
95	MP4C	X	3.196	3.196	0	%100
96	MP4C	Z	-5.536	-5.536	0	%100
97	SP12	X	2.913	2.913	0	%100
98	SP12	Z	-5.045	-5.045	0	%100
99	M75	X	2.902	2.902	0	%100
100	M75	Z	-5.026	-5.026	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	2.902	2.902	0	%100
104	M77	Z	-5.026	-5.026	0	%100
105	M96	X	3.535	3.535	0	%100
106	M96	Z	-6.124	-6.124	0	%100
107	M97	X	3.535	3.535	0	%100
108	M97	Z	-6.124	-6.124	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	2.04	2.04	0	%100
2	M1	Z	-1.178	-1.178	0	%100
3	M2	X	6.222	6.222	0	%100
4	M2	Z	-3.592	-3.592	0	%100
5	M3	X	13.986	13.986	0	%100
6	M3	Z	-8.075	-8.075	0	%100
7	M4	X	3.497	3.497	0	%100
8	M4	Z	-2.019	-2.019	0	%100
9	M5	X	3.497	3.497	0	%100
10	M5	Z	-2.019	-2.019	0	%100
11	M10	X	2.06	2.06	0	%100
12	M10	Z	-1.189	-1.189	0	%100
13	M11	X	3.497	3.497	0	%100
14	M11	Z	-2.019	-2.019	0	%100
15	M12	X	11.282	11.282	0	%100
16	M12	Z	-6.514	-6.514	0	%100
17	M13	X	13.986	13.986	0	%100
18	M13	Z	-8.075	-8.075	0	%100
19	M14	X	9.632	9.632	0	%100
20	M14	Z	-5.561	-5.561	0	%100
21	M15	X	2.04	2.04	0	%100
22	M15	Z	-1.178	-1.178	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.497	3.497	0	%100
26	M17	Z	-2.019	-2.019	0	%100
27	M18	X	13.986	13.986	0	%100
28	M18	Z	-8.075	-8.075	0	%100
29	M19	X	3.497	3.497	0	%100
30	M19	Z	-2.019	-2.019	0	%100
31	M24	X	8.24	8.24	0	%100
32	M24	Z	-4.757	-4.757	0	%100
33	M25	X	3.497	3.497	0	%100
34	M25	Z	-2.019	-2.019	0	%100
35	M26	X	.065	.065	0	%100
36	M26	Z	-.038	-.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	3.497	3.497	0	%100
38	M27	Z	-2.019	-2.019	0	%100
39	M28	X	.065	.065	0	%100
40	M28	Z	-.038	-.038	0	%100
41	M29	X	8.159	8.159	0	%100
42	M29	Z	-4.71	-4.71	0	%100
43	M30	X	6.222	6.222	0	%100
44	M30	Z	-3.592	-3.592	0	%100
45	M31	X	3.497	3.497	0	%100
46	M31	Z	-2.019	-2.019	0	%100
47	M32	X	3.497	3.497	0	%100
48	M32	Z	-2.019	-2.019	0	%100
49	M33	X	13.986	13.986	0	%100
50	M33	Z	-8.075	-8.075	0	%100
51	M38	X	2.06	2.06	0	%100
52	M38	Z	-1.189	-1.189	0	%100
53	M39	X	13.986	13.986	0	%100
54	M39	Z	-8.075	-8.075	0	%100
55	M40	X	9.632	9.632	0	%100
56	M40	Z	-5.561	-5.561	0	%100
57	M41	X	3.497	3.497	0	%100
58	M41	Z	-2.019	-2.019	0	%100
59	M42	X	11.282	11.282	0	%100
60	M42	Z	-6.514	-6.514	0	%100
61	M46	X	7.769	7.769	0	%100
62	M46	Z	-4.485	-4.485	0	%100
63	M47	X	2.039	2.039	0	%100
64	M47	Z	-1.177	-1.177	0	%100
65	M48	X	2.039	2.039	0	%100
66	M48	Z	-1.177	-1.177	0	%100
67	M49	X	7.769	7.769	0	%100
68	M49	Z	-4.485	-4.485	0	%100
69	M50	X	1.847	1.847	0	%100
70	M50	Z	-1.067	-1.067	0	%100
71	M51	X	1.847	1.847	0	%100
72	M51	Z	-1.067	-1.067	0	%100
73	MP1A	X	5.536	5.536	0	%100
74	MP1A	Z	-3.196	-3.196	0	%100
75	MP2A	X	5.536	5.536	0	%100
76	MP2A	Z	-3.196	-3.196	0	%100
77	MP3A	X	5.536	5.536	0	%100
78	MP3A	Z	-3.196	-3.196	0	%100
79	MP4A	X	5.536	5.536	0	%100
80	MP4A	Z	-3.196	-3.196	0	%100
81	MP4B	X	5.536	5.536	0	%100
82	MP4B	Z	-3.196	-3.196	0	%100
83	MP1B	X	5.536	5.536	0	%100
84	MP1B	Z	-3.196	-3.196	0	%100
85	MP2B	X	5.536	5.536	0	%100
86	MP2B	Z	-3.196	-3.196	0	%100
87	MP3B	X	5.536	5.536	0	%100
88	MP3B	Z	-3.196	-3.196	0	%100
89	MP3C	X	5.536	5.536	0	%100
90	MP3C	Z	-3.196	-3.196	0	%100
91	MP2C	X	5.536	5.536	0	%100
92	MP2C	Z	-3.196	-3.196	0	%100
93	MP1C	X	5.536	5.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-3.196	-3.196	0	%100
95	MP4C	X	5.536	5.536	0	%100
96	MP4C	Z	-3.196	-3.196	0	%100
97	SP12	X	5.045	5.045	0	%100
98	SP12	Z	-2.913	-2.913	0	%100
99	M75	X	1.675	1.675	0	%100
100	M75	Z	-.967	-.967	0	%100
101	M76	X	1.675	1.675	0	%100
102	M76	Z	-.967	-.967	0	%100
103	M77	X	6.702	6.702	0	%100
104	M77	Z	-3.869	-3.869	0	%100
105	M96	X	8.165	8.165	0	%100
106	M96	Z	-4.714	-4.714	0	%100
107	M97	X	2.041	2.041	0	%100
108	M97	Z	-1.178	-1.178	0	%100
109	M98	X	2.041	2.041	0	%100
110	M98	Z	-1.178	-1.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.395	2.395	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	12.112	12.112	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	12.112	12.112	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	7.136	7.136	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	5.028	5.028	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	12.112	12.112	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	3.122	3.122	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	7.066	7.066	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	2.395	2.395	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	12.112	12.112	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	12.112	12.112	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	7.136	7.136	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	12.112	12.112	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	3.122	3.122	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	5.028	5.028	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	7.066	7.066	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	9.58	9.58	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	12.112	12.112	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	12.112	12.112	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	12.112	12.112	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	16.075	16.075	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	12.112	12.112	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	16.075	16.075	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	6.839	6.839	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	6.839	6.839	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	.002	.002	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	6.618	6.618	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	6.618	6.618	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	.002	.002	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	6.393	6.393	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	6.393	6.393	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	6.393	6.393	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	6.393	6.393	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	6.393	6.393	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	6.393	6.393	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	6.393	6.393	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	6.393	6.393	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	6.393	6.393	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	6.393	6.393	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	6.393	6.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	6.393	6.393	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	5.826	5.826	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	5.804	5.804	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	5.804	5.804	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	7.071	7.071	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	7.071	7.071	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	2.04	2.04	0	%100
2	M1	Z	1.178	1.178	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.497	3.497	0	%100
6	M3	Z	2.019	2.019	0	%100
7	M4	X	13.986	13.986	0	%100
8	M4	Z	8.075	8.075	0	%100
9	M5	X	3.497	3.497	0	%100
10	M5	Z	2.019	2.019	0	%100
11	M10	X	8.24	8.24	0	%100
12	M10	Z	4.757	4.757	0	%100
13	M11	X	3.497	3.497	0	%100
14	M11	Z	2.019	2.019	0	%100
15	M12	X	.065	.065	0	%100
16	M12	Z	.038	.038	0	%100
17	M13	X	3.497	3.497	0	%100
18	M13	Z	2.019	2.019	0	%100
19	M14	X	.065	.065	0	%100
20	M14	Z	.038	.038	0	%100
21	M15	X	8.159	8.159	0	%100
22	M15	Z	4.71	4.71	0	%100
23	M16	X	6.222	6.222	0	%100
24	M16	Z	3.592	3.592	0	%100
25	M17	X	3.497	3.497	0	%100
26	M17	Z	2.019	2.019	0	%100
27	M18	X	3.497	3.497	0	%100
28	M18	Z	2.019	2.019	0	%100
29	M19	X	13.986	13.986	0	%100
30	M19	Z	8.075	8.075	0	%100
31	M24	X	2.06	2.06	0	%100
32	M24	Z	1.189	1.189	0	%100
33	M25	X	13.986	13.986	0	%100
34	M25	Z	8.075	8.075	0	%100
35	M26	X	9.632	9.632	0	%100
36	M26	Z	5.561	5.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	3.497	3.497	0	%100
38	M27	Z	2.019	2.019	0	%100
39	M28	X	11.282	11.282	0	%100
40	M28	Z	6.514	6.514	0	%100
41	M29	X	2.04	2.04	0	%100
42	M29	Z	1.178	1.178	0	%100
43	M30	X	6.222	6.222	0	%100
44	M30	Z	3.592	3.592	0	%100
45	M31	X	13.986	13.986	0	%100
46	M31	Z	8.075	8.075	0	%100
47	M32	X	3.497	3.497	0	%100
48	M32	Z	2.019	2.019	0	%100
49	M33	X	3.497	3.497	0	%100
50	M33	Z	2.019	2.019	0	%100
51	M38	X	2.06	2.06	0	%100
52	M38	Z	1.189	1.189	0	%100
53	M39	X	3.497	3.497	0	%100
54	M39	Z	2.019	2.019	0	%100
55	M40	X	11.282	11.282	0	%100
56	M40	Z	6.514	6.514	0	%100
57	M41	X	13.986	13.986	0	%100
58	M41	Z	8.075	8.075	0	%100
59	M42	X	9.632	9.632	0	%100
60	M42	Z	5.561	5.561	0	%100
61	M46	X	2.039	2.039	0	%100
62	M46	Z	1.177	1.177	0	%100
63	M47	X	7.769	7.769	0	%100
64	M47	Z	4.485	4.485	0	%100
65	M48	X	1.847	1.847	0	%100
66	M48	Z	1.067	1.067	0	%100
67	M49	X	1.847	1.847	0	%100
68	M49	Z	1.067	1.067	0	%100
69	M50	X	7.769	7.769	0	%100
70	M50	Z	4.485	4.485	0	%100
71	M51	X	2.039	2.039	0	%100
72	M51	Z	1.177	1.177	0	%100
73	MP1A	X	5.536	5.536	0	%100
74	MP1A	Z	3.196	3.196	0	%100
75	MP2A	X	5.536	5.536	0	%100
76	MP2A	Z	3.196	3.196	0	%100
77	MP3A	X	5.536	5.536	0	%100
78	MP3A	Z	3.196	3.196	0	%100
79	MP4A	X	5.536	5.536	0	%100
80	MP4A	Z	3.196	3.196	0	%100
81	MP4B	X	5.536	5.536	0	%100
82	MP4B	Z	3.196	3.196	0	%100
83	MP1B	X	5.536	5.536	0	%100
84	MP1B	Z	3.196	3.196	0	%100
85	MP2B	X	5.536	5.536	0	%100
86	MP2B	Z	3.196	3.196	0	%100
87	MP3B	X	5.536	5.536	0	%100
88	MP3B	Z	3.196	3.196	0	%100
89	MP3C	X	5.536	5.536	0	%100
90	MP3C	Z	3.196	3.196	0	%100
91	MP2C	X	5.536	5.536	0	%100
92	MP2C	Z	3.196	3.196	0	%100
93	MP1C	X	5.536	5.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	3.196	3.196	0	%100
95	MP4C	X	5.536	5.536	0	%100
96	MP4C	Z	3.196	3.196	0	%100
97	SP12	X	5.045	5.045	0	%100
98	SP12	Z	2.913	2.913	0	%100
99	M75	X	1.675	1.675	0	%100
100	M75	Z	.967	.967	0	%100
101	M76	X	6.702	6.702	0	%100
102	M76	Z	3.869	3.869	0	%100
103	M77	X	1.675	1.675	0	%100
104	M77	Z	.967	.967	0	%100
105	M96	X	2.041	2.041	0	%100
106	M96	Z	1.178	1.178	0	%100
107	M97	X	2.041	2.041	0	%100
108	M97	Z	1.178	1.178	0	%100
109	M98	X	8.165	8.165	0	%100
110	M98	Z	4.714	4.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	3.533	3.533	0	%100
2	M1	Z	6.119	6.119	0	%100
3	M2	X	1.197	1.197	0	%100
4	M2	Z	2.074	2.074	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	6.056	6.056	0	%100
8	M4	Z	10.49	10.49	0	%100
9	M5	X	6.056	6.056	0	%100
10	M5	Z	10.49	10.49	0	%100
11	M10	X	3.568	3.568	0	%100
12	M10	Z	6.18	6.18	0	%100
13	M11	X	6.056	6.056	0	%100
14	M11	Z	10.49	10.49	0	%100
15	M12	X	1.561	1.561	0	%100
16	M12	Z	2.704	2.704	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	2.514	2.514	0	%100
20	M14	Z	4.354	4.354	0	%100
21	M15	X	3.533	3.533	0	%100
22	M15	Z	6.119	6.119	0	%100
23	M16	X	4.79	4.79	0	%100
24	M16	Z	8.296	8.296	0	%100
25	M17	X	6.056	6.056	0	%100
26	M17	Z	10.49	10.49	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	6.056	6.056	0	%100
30	M19	Z	10.49	10.49	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	6.056	6.056	0	%100
34	M25	Z	10.49	10.49	0	%100
35	M26	X	8.037	8.037	0	%100
36	M26	Z	13.921	13.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	6.056	6.056	0	%100
38	M27	Z	10.49	10.49	0	%100
39	M28	X	8.037	8.037	0	%100
40	M28	Z	13.921	13.921	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	1.197	1.197	0	%100
44	M30	Z	2.074	2.074	0	%100
45	M31	X	6.056	6.056	0	%100
46	M31	Z	10.49	10.49	0	%100
47	M32	X	6.056	6.056	0	%100
48	M32	Z	10.49	10.49	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	3.568	3.568	0	%100
52	M38	Z	6.18	6.18	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	2.514	2.514	0	%100
56	M40	Z	4.354	4.354	0	%100
57	M41	X	6.056	6.056	0	%100
58	M41	Z	10.49	10.49	0	%100
59	M42	X	1.561	1.561	0	%100
60	M42	Z	2.704	2.704	0	%100
61	M46	X	.00091	.00091	0	%100
62	M46	Z	.002	.002	0	%100
63	M47	X	3.309	3.309	0	%100
64	M47	Z	5.731	5.731	0	%100
65	M48	X	3.309	3.309	0	%100
66	M48	Z	5.731	5.731	0	%100
67	M49	X	.00091	.00091	0	%100
68	M49	Z	.002	.002	0	%100
69	M50	X	3.419	3.419	0	%100
70	M50	Z	5.923	5.923	0	%100
71	M51	X	3.419	3.419	0	%100
72	M51	Z	5.923	5.923	0	%100
73	MP1A	X	3.196	3.196	0	%100
74	MP1A	Z	5.536	5.536	0	%100
75	MP2A	X	3.196	3.196	0	%100
76	MP2A	Z	5.536	5.536	0	%100
77	MP3A	X	3.196	3.196	0	%100
78	MP3A	Z	5.536	5.536	0	%100
79	MP4A	X	3.196	3.196	0	%100
80	MP4A	Z	5.536	5.536	0	%100
81	MP4B	X	3.196	3.196	0	%100
82	MP4B	Z	5.536	5.536	0	%100
83	MP1B	X	3.196	3.196	0	%100
84	MP1B	Z	5.536	5.536	0	%100
85	MP2B	X	3.196	3.196	0	%100
86	MP2B	Z	5.536	5.536	0	%100
87	MP3B	X	3.196	3.196	0	%100
88	MP3B	Z	5.536	5.536	0	%100
89	MP3C	X	3.196	3.196	0	%100
90	MP3C	Z	5.536	5.536	0	%100
91	MP2C	X	3.196	3.196	0	%100
92	MP2C	Z	5.536	5.536	0	%100
93	MP1C	X	3.196	3.196	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	5.536	5.536	0	%100
95	MP4C	X	3.196	3.196	0	%100
96	MP4C	Z	5.536	5.536	0	%100
97	SP12	X	2.913	2.913	0	%100
98	SP12	Z	5.045	5.045	0	%100
99	M75	X	2.902	2.902	0	%100
100	M75	Z	5.026	5.026	0	%100
101	M76	X	2.902	2.902	0	%100
102	M76	Z	5.026	5.026	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	3.535	3.535	0	%100
108	M97	Z	6.124	6.124	0	%100
109	M98	X	3.535	3.535	0	%100
110	M98	Z	6.124	6.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	9.421	9.421	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	7.185	7.185	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.037	4.037	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	4.037	4.037	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	16.15	16.15	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	2.379	2.379	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	16.15	16.15	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	11.122	11.122	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	4.037	4.037	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	13.028	13.028	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	2.355	2.355	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	7.185	7.185	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	16.15	16.15	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	4.037	4.037	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	4.037	4.037	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	2.379	2.379	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	4.037	4.037	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	13.028	13.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	16.15	16.15	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	11.122	11.122	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	2.355	2.355	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	4.037	4.037	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	16.15	16.15	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	4.037	4.037	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	9.514	9.514	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	4.037	4.037	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	.075	.075	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	4.037	4.037	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	.075	.075	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	2.133	2.133	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	2.133	2.133	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	8.97	8.97	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	2.355	2.355	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	2.355	2.355	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	8.97	8.97	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	6.393	6.393	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	6.393	6.393	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	6.393	6.393	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	6.393	6.393	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	6.393	6.393	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	6.393	6.393	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	6.393	6.393	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	6.393	6.393	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	6.393	6.393	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	6.393	6.393	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	6.393	6.393	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	6.393	6.393	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	5.826	5.826	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	7.738	7.738	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	1.935	1.935	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	1.935	1.935	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	2.357	2.357	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	9.428	9.428	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	2.357	2.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-3.533	-3.533	0	%100
2	M1	Z	6.119	6.119	0	%100
3	M2	X	-4.79	-4.79	0	%100
4	M2	Z	8.296	8.296	0	%100
5	M3	X	-6.056	-6.056	0	%100
6	M3	Z	10.49	10.49	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-6.056	-6.056	0	%100
10	M5	Z	10.49	10.49	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-6.056	-6.056	0	%100
14	M11	Z	10.49	10.49	0	%100
15	M12	X	-8.037	-8.037	0	%100
16	M12	Z	13.921	13.921	0	%100
17	M13	X	-6.056	-6.056	0	%100
18	M13	Z	10.49	10.49	0	%100
19	M14	X	-8.037	-8.037	0	%100
20	M14	Z	13.921	13.921	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-1.197	-1.197	0	%100
24	M16	Z	2.074	2.074	0	%100
25	M17	X	-6.056	-6.056	0	%100
26	M17	Z	10.49	10.49	0	%100
27	M18	X	-6.056	-6.056	0	%100
28	M18	Z	10.49	10.49	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-3.568	-3.568	0	%100
32	M24	Z	6.18	6.18	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-2.514	-2.514	0	%100
36	M26	Z	4.354	4.354	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-6.056	-6.056	0	%100
38	M27	Z	10.49	10.49	0	%100
39	M28	X	-1.561	-1.561	0	%100
40	M28	Z	2.704	2.704	0	%100
41	M29	X	-3.533	-3.533	0	%100
42	M29	Z	6.119	6.119	0	%100
43	M30	X	-1.197	-1.197	0	%100
44	M30	Z	2.074	2.074	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	-6.056	-6.056	0	%100
48	M32	Z	10.49	10.49	0	%100
49	M33	X	-6.056	-6.056	0	%100
50	M33	Z	10.49	10.49	0	%100
51	M38	X	-3.568	-3.568	0	%100
52	M38	Z	6.18	6.18	0	%100
53	M39	X	-6.056	-6.056	0	%100
54	M39	Z	10.49	10.49	0	%100
55	M40	X	-1.561	-1.561	0	%100
56	M40	Z	2.704	2.704	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-2.514	-2.514	0	%100
60	M42	Z	4.354	4.354	0	%100
61	M46	X	-3.309	-3.309	0	%100
62	M46	Z	5.731	5.731	0	%100
63	M47	X	-.00091	-.00091	0	%100
64	M47	Z	.002	.002	0	%100
65	M48	X	-3.419	-3.419	0	%100
66	M48	Z	5.923	5.923	0	%100
67	M49	X	-3.419	-3.419	0	%100
68	M49	Z	5.923	5.923	0	%100
69	M50	X	-.00091	-.00091	0	%100
70	M50	Z	.002	.002	0	%100
71	M51	X	-3.309	-3.309	0	%100
72	M51	Z	5.731	5.731	0	%100
73	MP1A	X	-3.196	-3.196	0	%100
74	MP1A	Z	5.536	5.536	0	%100
75	MP2A	X	-3.196	-3.196	0	%100
76	MP2A	Z	5.536	5.536	0	%100
77	MP3A	X	-3.196	-3.196	0	%100
78	MP3A	Z	5.536	5.536	0	%100
79	MP4A	X	-3.196	-3.196	0	%100
80	MP4A	Z	5.536	5.536	0	%100
81	MP4B	X	-3.196	-3.196	0	%100
82	MP4B	Z	5.536	5.536	0	%100
83	MP1B	X	-3.196	-3.196	0	%100
84	MP1B	Z	5.536	5.536	0	%100
85	MP2B	X	-3.196	-3.196	0	%100
86	MP2B	Z	5.536	5.536	0	%100
87	MP3B	X	-3.196	-3.196	0	%100
88	MP3B	Z	5.536	5.536	0	%100
89	MP3C	X	-3.196	-3.196	0	%100
90	MP3C	Z	5.536	5.536	0	%100
91	MP2C	X	-3.196	-3.196	0	%100
92	MP2C	Z	5.536	5.536	0	%100
93	MP1C	X	-3.196	-3.196	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	5.536	5.536	0	%100
95	MP4C	X	-3.196	-3.196	0	%100
96	MP4C	Z	5.536	5.536	0	%100
97	SP12	X	-2.913	-2.913	0	%100
98	SP12	Z	5.045	5.045	0	%100
99	M75	X	-2.902	-2.902	0	%100
100	M75	Z	5.026	5.026	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-2.902	-2.902	0	%100
104	M77	Z	5.026	5.026	0	%100
105	M96	X	-3.535	-3.535	0	%100
106	M96	Z	6.124	6.124	0	%100
107	M97	X	-3.535	-3.535	0	%100
108	M97	Z	6.124	6.124	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-2.04	-2.04	0	%100
2	M1	Z	1.178	1.178	0	%100
3	M2	X	-6.222	-6.222	0	%100
4	M2	Z	3.592	3.592	0	%100
5	M3	X	-13.986	-13.986	0	%100
6	M3	Z	8.075	8.075	0	%100
7	M4	X	-3.497	-3.497	0	%100
8	M4	Z	2.019	2.019	0	%100
9	M5	X	-3.497	-3.497	0	%100
10	M5	Z	2.019	2.019	0	%100
11	M10	X	-2.06	-2.06	0	%100
12	M10	Z	1.189	1.189	0	%100
13	M11	X	-3.497	-3.497	0	%100
14	M11	Z	2.019	2.019	0	%100
15	M12	X	-11.282	-11.282	0	%100
16	M12	Z	6.514	6.514	0	%100
17	M13	X	-13.986	-13.986	0	%100
18	M13	Z	8.075	8.075	0	%100
19	M14	X	-9.632	-9.632	0	%100
20	M14	Z	5.561	5.561	0	%100
21	M15	X	-2.04	-2.04	0	%100
22	M15	Z	1.178	1.178	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.497	-3.497	0	%100
26	M17	Z	2.019	2.019	0	%100
27	M18	X	-13.986	-13.986	0	%100
28	M18	Z	8.075	8.075	0	%100
29	M19	X	-3.497	-3.497	0	%100
30	M19	Z	2.019	2.019	0	%100
31	M24	X	-8.24	-8.24	0	%100
32	M24	Z	4.757	4.757	0	%100
33	M25	X	-3.497	-3.497	0	%100
34	M25	Z	2.019	2.019	0	%100
35	M26	X	-.065	-.065	0	%100
36	M26	Z	.038	.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-3.497	-3.497	0	%100
38	M27	Z	2.019	2.019	0	%100
39	M28	X	-.065	-.065	0	%100
40	M28	Z	.038	.038	0	%100
41	M29	X	-8.159	-8.159	0	%100
42	M29	Z	4.71	4.71	0	%100
43	M30	X	-6.222	-6.222	0	%100
44	M30	Z	3.592	3.592	0	%100
45	M31	X	-3.497	-3.497	0	%100
46	M31	Z	2.019	2.019	0	%100
47	M32	X	-3.497	-3.497	0	%100
48	M32	Z	2.019	2.019	0	%100
49	M33	X	-13.986	-13.986	0	%100
50	M33	Z	8.075	8.075	0	%100
51	M38	X	-2.06	-2.06	0	%100
52	M38	Z	1.189	1.189	0	%100
53	M39	X	-13.986	-13.986	0	%100
54	M39	Z	8.075	8.075	0	%100
55	M40	X	-9.632	-9.632	0	%100
56	M40	Z	5.561	5.561	0	%100
57	M41	X	-3.497	-3.497	0	%100
58	M41	Z	2.019	2.019	0	%100
59	M42	X	-11.282	-11.282	0	%100
60	M42	Z	6.514	6.514	0	%100
61	M46	X	-7.769	-7.769	0	%100
62	M46	Z	4.485	4.485	0	%100
63	M47	X	-2.039	-2.039	0	%100
64	M47	Z	1.177	1.177	0	%100
65	M48	X	-2.039	-2.039	0	%100
66	M48	Z	1.177	1.177	0	%100
67	M49	X	-7.769	-7.769	0	%100
68	M49	Z	4.485	4.485	0	%100
69	M50	X	-1.847	-1.847	0	%100
70	M50	Z	1.067	1.067	0	%100
71	M51	X	-1.847	-1.847	0	%100
72	M51	Z	1.067	1.067	0	%100
73	MP1A	X	-5.536	-5.536	0	%100
74	MP1A	Z	3.196	3.196	0	%100
75	MP2A	X	-5.536	-5.536	0	%100
76	MP2A	Z	3.196	3.196	0	%100
77	MP3A	X	-5.536	-5.536	0	%100
78	MP3A	Z	3.196	3.196	0	%100
79	MP4A	X	-5.536	-5.536	0	%100
80	MP4A	Z	3.196	3.196	0	%100
81	MP4B	X	-5.536	-5.536	0	%100
82	MP4B	Z	3.196	3.196	0	%100
83	MP1B	X	-5.536	-5.536	0	%100
84	MP1B	Z	3.196	3.196	0	%100
85	MP2B	X	-5.536	-5.536	0	%100
86	MP2B	Z	3.196	3.196	0	%100
87	MP3B	X	-5.536	-5.536	0	%100
88	MP3B	Z	3.196	3.196	0	%100
89	MP3C	X	-5.536	-5.536	0	%100
90	MP3C	Z	3.196	3.196	0	%100
91	MP2C	X	-5.536	-5.536	0	%100
92	MP2C	Z	3.196	3.196	0	%100
93	MP1C	X	-5.536	-5.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	3.196	3.196	0	%100
95	MP4C	X	-5.536	-5.536	0	%100
96	MP4C	Z	3.196	3.196	0	%100
97	SP12	X	-5.045	-5.045	0	%100
98	SP12	Z	2.913	2.913	0	%100
99	M75	X	-1.675	-1.675	0	%100
100	M75	Z	.967	.967	0	%100
101	M76	X	-1.675	-1.675	0	%100
102	M76	Z	.967	.967	0	%100
103	M77	X	-6.702	-6.702	0	%100
104	M77	Z	3.869	3.869	0	%100
105	M96	X	-8.165	-8.165	0	%100
106	M96	Z	4.714	4.714	0	%100
107	M97	X	-2.041	-2.041	0	%100
108	M97	Z	1.178	1.178	0	%100
109	M98	X	-2.041	-2.041	0	%100
110	M98	Z	1.178	1.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.395	-2.395	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-12.112	-12.112	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-12.112	-12.112	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	-7.136	-7.136	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-5.028	-5.028	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-12.112	-12.112	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-3.122	-3.122	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-7.066	-7.066	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-2.395	-2.395	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-12.112	-12.112	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-12.112	-12.112	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-7.136	-7.136	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-12.112	-12.112	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-3.122	-3.122	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	-5.028	-5.028	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	-7.066	-7.066	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-9.58	-9.58	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	-12.112	-12.112	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	-12.112	-12.112	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-12.112	-12.112	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-16.075	-16.075	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-12.112	-12.112	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-16.075	-16.075	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	-6.839	-6.839	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	-6.839	-6.839	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	-.002	-.002	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	-6.618	-6.618	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	-6.618	-6.618	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	-.002	-.002	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	-6.393	-6.393	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-6.393	-6.393	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-6.393	-6.393	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-6.393	-6.393	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	-6.393	-6.393	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	-6.393	-6.393	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-6.393	-6.393	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-6.393	-6.393	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	-6.393	-6.393	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-6.393	-6.393	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-6.393	-6.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-6.393	-6.393	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	-5.826	-5.826	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	-5.804	-5.804	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-5.804	-5.804	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	-7.071	-7.071	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	-7.071	-7.071	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-2.04	-2.04	0	%100
2	M1	Z	-1.178	-1.178	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.497	-3.497	0	%100
6	M3	Z	-2.019	-2.019	0	%100
7	M4	X	-13.986	-13.986	0	%100
8	M4	Z	-8.075	-8.075	0	%100
9	M5	X	-3.497	-3.497	0	%100
10	M5	Z	-2.019	-2.019	0	%100
11	M10	X	-8.24	-8.24	0	%100
12	M10	Z	-4.757	-4.757	0	%100
13	M11	X	-3.497	-3.497	0	%100
14	M11	Z	-2.019	-2.019	0	%100
15	M12	X	-.065	-.065	0	%100
16	M12	Z	-.038	-.038	0	%100
17	M13	X	-3.497	-3.497	0	%100
18	M13	Z	-2.019	-2.019	0	%100
19	M14	X	-.065	-.065	0	%100
20	M14	Z	-.038	-.038	0	%100
21	M15	X	-8.159	-8.159	0	%100
22	M15	Z	-4.71	-4.71	0	%100
23	M16	X	-6.222	-6.222	0	%100
24	M16	Z	-3.592	-3.592	0	%100
25	M17	X	-3.497	-3.497	0	%100
26	M17	Z	-2.019	-2.019	0	%100
27	M18	X	-3.497	-3.497	0	%100
28	M18	Z	-2.019	-2.019	0	%100
29	M19	X	-13.986	-13.986	0	%100
30	M19	Z	-8.075	-8.075	0	%100
31	M24	X	-2.06	-2.06	0	%100
32	M24	Z	-1.189	-1.189	0	%100
33	M25	X	-13.986	-13.986	0	%100
34	M25	Z	-8.075	-8.075	0	%100
35	M26	X	-9.632	-9.632	0	%100
36	M26	Z	-5.561	-5.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-3.497	-3.497	0	%100
38	M27	Z	-2.019	-2.019	0	%100
39	M28	X	-11.282	-11.282	0	%100
40	M28	Z	-6.514	-6.514	0	%100
41	M29	X	-2.04	-2.04	0	%100
42	M29	Z	-1.178	-1.178	0	%100
43	M30	X	-6.222	-6.222	0	%100
44	M30	Z	-3.592	-3.592	0	%100
45	M31	X	-13.986	-13.986	0	%100
46	M31	Z	-8.075	-8.075	0	%100
47	M32	X	-3.497	-3.497	0	%100
48	M32	Z	-2.019	-2.019	0	%100
49	M33	X	-3.497	-3.497	0	%100
50	M33	Z	-2.019	-2.019	0	%100
51	M38	X	-2.06	-2.06	0	%100
52	M38	Z	-1.189	-1.189	0	%100
53	M39	X	-3.497	-3.497	0	%100
54	M39	Z	-2.019	-2.019	0	%100
55	M40	X	-11.282	-11.282	0	%100
56	M40	Z	-6.514	-6.514	0	%100
57	M41	X	-13.986	-13.986	0	%100
58	M41	Z	-8.075	-8.075	0	%100
59	M42	X	-9.632	-9.632	0	%100
60	M42	Z	-5.561	-5.561	0	%100
61	M46	X	-2.039	-2.039	0	%100
62	M46	Z	-1.177	-1.177	0	%100
63	M47	X	-7.769	-7.769	0	%100
64	M47	Z	-4.485	-4.485	0	%100
65	M48	X	-1.847	-1.847	0	%100
66	M48	Z	-1.067	-1.067	0	%100
67	M49	X	-1.847	-1.847	0	%100
68	M49	Z	-1.067	-1.067	0	%100
69	M50	X	-7.769	-7.769	0	%100
70	M50	Z	-4.485	-4.485	0	%100
71	M51	X	-2.039	-2.039	0	%100
72	M51	Z	-1.177	-1.177	0	%100
73	MP1A	X	-5.536	-5.536	0	%100
74	MP1A	Z	-3.196	-3.196	0	%100
75	MP2A	X	-5.536	-5.536	0	%100
76	MP2A	Z	-3.196	-3.196	0	%100
77	MP3A	X	-5.536	-5.536	0	%100
78	MP3A	Z	-3.196	-3.196	0	%100
79	MP4A	X	-5.536	-5.536	0	%100
80	MP4A	Z	-3.196	-3.196	0	%100
81	MP4B	X	-5.536	-5.536	0	%100
82	MP4B	Z	-3.196	-3.196	0	%100
83	MP1B	X	-5.536	-5.536	0	%100
84	MP1B	Z	-3.196	-3.196	0	%100
85	MP2B	X	-5.536	-5.536	0	%100
86	MP2B	Z	-3.196	-3.196	0	%100
87	MP3B	X	-5.536	-5.536	0	%100
88	MP3B	Z	-3.196	-3.196	0	%100
89	MP3C	X	-5.536	-5.536	0	%100
90	MP3C	Z	-3.196	-3.196	0	%100
91	MP2C	X	-5.536	-5.536	0	%100
92	MP2C	Z	-3.196	-3.196	0	%100
93	MP1C	X	-5.536	-5.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-3.196	-3.196	0	%100
95	MP4C	X	-5.536	-5.536	0	%100
96	MP4C	Z	-3.196	-3.196	0	%100
97	SP12	X	-5.045	-5.045	0	%100
98	SP12	Z	-2.913	-2.913	0	%100
99	M75	X	-1.675	-1.675	0	%100
100	M75	Z	-.967	-.967	0	%100
101	M76	X	-6.702	-6.702	0	%100
102	M76	Z	-3.869	-3.869	0	%100
103	M77	X	-1.675	-1.675	0	%100
104	M77	Z	-.967	-.967	0	%100
105	M96	X	-2.041	-2.041	0	%100
106	M96	Z	-1.178	-1.178	0	%100
107	M97	X	-2.041	-2.041	0	%100
108	M97	Z	-1.178	-1.178	0	%100
109	M98	X	-8.165	-8.165	0	%100
110	M98	Z	-4.714	-4.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-3.533	-3.533	0	%100
2	M1	Z	-6.119	-6.119	0	%100
3	M2	X	-1.197	-1.197	0	%100
4	M2	Z	-2.074	-2.074	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-6.056	-6.056	0	%100
8	M4	Z	-10.49	-10.49	0	%100
9	M5	X	-6.056	-6.056	0	%100
10	M5	Z	-10.49	-10.49	0	%100
11	M10	X	-3.568	-3.568	0	%100
12	M10	Z	-6.18	-6.18	0	%100
13	M11	X	-6.056	-6.056	0	%100
14	M11	Z	-10.49	-10.49	0	%100
15	M12	X	-1.561	-1.561	0	%100
16	M12	Z	-2.704	-2.704	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-2.514	-2.514	0	%100
20	M14	Z	-4.354	-4.354	0	%100
21	M15	X	-3.533	-3.533	0	%100
22	M15	Z	-6.119	-6.119	0	%100
23	M16	X	-4.79	-4.79	0	%100
24	M16	Z	-8.296	-8.296	0	%100
25	M17	X	-6.056	-6.056	0	%100
26	M17	Z	-10.49	-10.49	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-6.056	-6.056	0	%100
30	M19	Z	-10.49	-10.49	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-6.056	-6.056	0	%100
34	M25	Z	-10.49	-10.49	0	%100
35	M26	X	-8.037	-8.037	0	%100
36	M26	Z	-13.921	-13.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-6.056	-6.056	0	%100
38	M27	Z	-10.49	-10.49	0	%100
39	M28	X	-8.037	-8.037	0	%100
40	M28	Z	-13.921	-13.921	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-1.197	-1.197	0	%100
44	M30	Z	-2.074	-2.074	0	%100
45	M31	X	-6.056	-6.056	0	%100
46	M31	Z	-10.49	-10.49	0	%100
47	M32	X	-6.056	-6.056	0	%100
48	M32	Z	-10.49	-10.49	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	-3.568	-3.568	0	%100
52	M38	Z	-6.18	-6.18	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-2.514	-2.514	0	%100
56	M40	Z	-4.354	-4.354	0	%100
57	M41	X	-6.056	-6.056	0	%100
58	M41	Z	-10.49	-10.49	0	%100
59	M42	X	-1.561	-1.561	0	%100
60	M42	Z	-2.704	-2.704	0	%100
61	M46	X	-.00091	-.00091	0	%100
62	M46	Z	-.002	-.002	0	%100
63	M47	X	-3.309	-3.309	0	%100
64	M47	Z	-5.731	-5.731	0	%100
65	M48	X	-3.309	-3.309	0	%100
66	M48	Z	-5.731	-5.731	0	%100
67	M49	X	-.00091	-.00091	0	%100
68	M49	Z	-.002	-.002	0	%100
69	M50	X	-3.419	-3.419	0	%100
70	M50	Z	-5.923	-5.923	0	%100
71	M51	X	-3.419	-3.419	0	%100
72	M51	Z	-5.923	-5.923	0	%100
73	MP1A	X	-3.196	-3.196	0	%100
74	MP1A	Z	-5.536	-5.536	0	%100
75	MP2A	X	-3.196	-3.196	0	%100
76	MP2A	Z	-5.536	-5.536	0	%100
77	MP3A	X	-3.196	-3.196	0	%100
78	MP3A	Z	-5.536	-5.536	0	%100
79	MP4A	X	-3.196	-3.196	0	%100
80	MP4A	Z	-5.536	-5.536	0	%100
81	MP4B	X	-3.196	-3.196	0	%100
82	MP4B	Z	-5.536	-5.536	0	%100
83	MP1B	X	-3.196	-3.196	0	%100
84	MP1B	Z	-5.536	-5.536	0	%100
85	MP2B	X	-3.196	-3.196	0	%100
86	MP2B	Z	-5.536	-5.536	0	%100
87	MP3B	X	-3.196	-3.196	0	%100
88	MP3B	Z	-5.536	-5.536	0	%100
89	MP3C	X	-3.196	-3.196	0	%100
90	MP3C	Z	-5.536	-5.536	0	%100
91	MP2C	X	-3.196	-3.196	0	%100
92	MP2C	Z	-5.536	-5.536	0	%100
93	MP1C	X	-3.196	-3.196	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-5.536	-5.536	0	%100
95	MP4C	X	-3.196	-3.196	0	%100
96	MP4C	Z	-5.536	-5.536	0	%100
97	SP12	X	-2.913	-2.913	0	%100
98	SP12	Z	-5.045	-5.045	0	%100
99	M75	X	-2.902	-2.902	0	%100
100	M75	Z	-5.026	-5.026	0	%100
101	M76	X	-2.902	-2.902	0	%100
102	M76	Z	-5.026	-5.026	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	-3.535	-3.535	0	%100
108	M97	Z	-6.124	-6.124	0	%100
109	M98	X	-3.535	-3.535	0	%100
110	M98	Z	-6.124	-6.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.68	-2.68	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.031	-2.031	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.861	-.861	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.877	-.877	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.444	-3.444	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.674	-.674	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-3.444	-3.444	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-2.372	-2.372	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.861	-.861	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-2.779	-2.779	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-.67	-.67	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-2.031	-2.031	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-3.444	-3.444	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.877	-.877	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.861	-.861	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-.674	-.674	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-.861	-.861	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-2.779	-2.779	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	-3.444	-3.444	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	-2.372	-2.372	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	-.67	-.67	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	-.861	-.861	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	-3.508	-3.508	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	-.861	-.861	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-2.697	-2.697	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-.861	-.861	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-.016	-.016	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-.861	-.861	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-.016	-.016	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	-.618	-.618	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	-.618	-.618	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	-2.6	-2.6	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	-.683	-.683	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	-.683	-.683	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	-2.6	-2.6	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-2.146	-2.146	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-2.146	-2.146	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-2.146	-2.146	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-2.146	-2.146	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-2.146	-2.146	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-2.146	-2.146	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-2.146	-2.146	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-2.146	-2.146	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-2.146	-2.146	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-2.146	-2.146	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-2.146	-2.146	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-2.146	-2.146	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	-1.997	-1.997	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	-2.383	-2.383	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	-.596	-.596	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	-.596	-.596	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	-.599	-.599	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	-2.396	-2.396	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-.599	-.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	1.005	1.005	0	%100
2	M1	Z	-1.741	-1.741	0	%100
3	M2	X	1.354	1.354	0	%100
4	M2	Z	-2.345	-2.345	0	%100
5	M3	X	1.292	1.292	0	%100
6	M3	Z	-2.237	-2.237	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.292	1.292	0	%100
10	M5	Z	-2.237	-2.237	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	1.292	1.292	0	%100
14	M11	Z	-2.237	-2.237	0	%100
15	M12	X	1.714	1.714	0	%100
16	M12	Z	-2.969	-2.969	0	%100
17	M13	X	1.292	1.292	0	%100
18	M13	Z	-2.237	-2.237	0	%100
19	M14	X	1.714	1.714	0	%100
20	M14	Z	-2.969	-2.969	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.339	.339	0	%100
24	M16	Z	-.586	-.586	0	%100
25	M17	X	1.292	1.292	0	%100
26	M17	Z	-2.237	-2.237	0	%100
27	M18	X	1.316	1.316	0	%100
28	M18	Z	-2.279	-2.279	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	1.011	1.011	0	%100
32	M24	Z	-1.752	-1.752	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	.536	.536	0	%100
36	M26	Z	-.929	-.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	1.292	1.292	0	%100
38	M27	Z	-2.237	-2.237	0	%100
39	M28	X	.333	.333	0	%100
40	M28	Z	-.577	-.577	0	%100
41	M29	X	1.005	1.005	0	%100
42	M29	Z	-1.741	-1.741	0	%100
43	M30	X	.339	.339	0	%100
44	M30	Z	-.586	-.586	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	1.316	1.316	0	%100
48	M32	Z	-2.279	-2.279	0	%100
49	M33	X	1.292	1.292	0	%100
50	M33	Z	-2.237	-2.237	0	%100
51	M38	X	1.011	1.011	0	%100
52	M38	Z	-1.752	-1.752	0	%100
53	M39	X	1.292	1.292	0	%100
54	M39	Z	-2.237	-2.237	0	%100
55	M40	X	.333	.333	0	%100
56	M40	Z	-.577	-.577	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	.536	.536	0	%100
60	M42	Z	-.929	-.929	0	%100
61	M46	X	.959	.959	0	%100
62	M46	Z	-1.661	-1.661	0	%100
63	M47	X	.000264	.000264	0	%100
64	M47	Z	-.000457	-.000457	0	%100
65	M48	X	.991	.991	0	%100
66	M48	Z	-1.717	-1.717	0	%100
67	M49	X	.991	.991	0	%100
68	M49	Z	-1.717	-1.717	0	%100
69	M50	X	.000264	.000264	0	%100
70	M50	Z	-.000457	-.000457	0	%100
71	M51	X	.959	.959	0	%100
72	M51	Z	-1.661	-1.661	0	%100
73	MP1A	X	1.073	1.073	0	%100
74	MP1A	Z	-1.858	-1.858	0	%100
75	MP2A	X	1.073	1.073	0	%100
76	MP2A	Z	-1.858	-1.858	0	%100
77	MP3A	X	1.073	1.073	0	%100
78	MP3A	Z	-1.858	-1.858	0	%100
79	MP4A	X	1.073	1.073	0	%100
80	MP4A	Z	-1.858	-1.858	0	%100
81	MP4B	X	1.073	1.073	0	%100
82	MP4B	Z	-1.858	-1.858	0	%100
83	MP1B	X	1.073	1.073	0	%100
84	MP1B	Z	-1.858	-1.858	0	%100
85	MP2B	X	1.073	1.073	0	%100
86	MP2B	Z	-1.858	-1.858	0	%100
87	MP3B	X	1.073	1.073	0	%100
88	MP3B	Z	-1.858	-1.858	0	%100
89	MP3C	X	1.073	1.073	0	%100
90	MP3C	Z	-1.858	-1.858	0	%100
91	MP2C	X	1.073	1.073	0	%100
92	MP2C	Z	-1.858	-1.858	0	%100
93	MP1C	X	1.073	1.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-1.858	-1.858	0	%100
95	MP4C	X	1.073	1.073	0	%100
96	MP4C	Z	-1.858	-1.858	0	%100
97	SP12	X	.999	.999	0	%100
98	SP12	Z	-1.729	-1.729	0	%100
99	M75	X	.894	.894	0	%100
100	M75	Z	-1.548	-1.548	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	.894	.894	0	%100
104	M77	Z	-1.548	-1.548	0	%100
105	M96	X	.899	.899	0	%100
106	M96	Z	-1.556	-1.556	0	%100
107	M97	X	.899	.899	0	%100
108	M97	Z	-1.556	-1.556	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.58	.58	0	%100
2	M1	Z	-.335	-.335	0	%100
3	M2	X	1.759	1.759	0	%100
4	M2	Z	-1.016	-1.016	0	%100
5	M3	X	2.983	2.983	0	%100
6	M3	Z	-1.722	-1.722	0	%100
7	M4	X	.76	.76	0	%100
8	M4	Z	-.439	-.439	0	%100
9	M5	X	.746	.746	0	%100
10	M5	Z	-.431	-.431	0	%100
11	M10	X	.584	.584	0	%100
12	M10	Z	-.337	-.337	0	%100
13	M11	X	.746	.746	0	%100
14	M11	Z	-.431	-.431	0	%100
15	M12	X	2.406	2.406	0	%100
16	M12	Z	-1.389	-1.389	0	%100
17	M13	X	2.983	2.983	0	%100
18	M13	Z	-1.722	-1.722	0	%100
19	M14	X	2.054	2.054	0	%100
20	M14	Z	-1.186	-1.186	0	%100
21	M15	X	.58	.58	0	%100
22	M15	Z	-.335	-.335	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.746	.746	0	%100
26	M17	Z	-.431	-.431	0	%100
27	M18	X	3.038	3.038	0	%100
28	M18	Z	-1.754	-1.754	0	%100
29	M19	X	.746	.746	0	%100
30	M19	Z	-.431	-.431	0	%100
31	M24	X	2.335	2.335	0	%100
32	M24	Z	-1.348	-1.348	0	%100
33	M25	X	.746	.746	0	%100
34	M25	Z	-.431	-.431	0	%100
35	M26	X	.014	.014	0	%100
36	M26	Z	-.008	-.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.746	.746	0	%100
38	M27	Z	-.431	-.431	0	%100
39	M28	X	.014	.014	0	%100
40	M28	Z	-.008	-.008	0	%100
41	M29	X	2.321	2.321	0	%100
42	M29	Z	-1.34	-1.34	0	%100
43	M30	X	1.759	1.759	0	%100
44	M30	Z	-1.016	-1.016	0	%100
45	M31	X	.746	.746	0	%100
46	M31	Z	-.431	-.431	0	%100
47	M32	X	.76	.76	0	%100
48	M32	Z	-.439	-.439	0	%100
49	M33	X	2.983	2.983	0	%100
50	M33	Z	-1.722	-1.722	0	%100
51	M38	X	.584	.584	0	%100
52	M38	Z	-.337	-.337	0	%100
53	M39	X	2.983	2.983	0	%100
54	M39	Z	-1.722	-1.722	0	%100
55	M40	X	2.054	2.054	0	%100
56	M40	Z	-1.186	-1.186	0	%100
57	M41	X	.746	.746	0	%100
58	M41	Z	-.431	-.431	0	%100
59	M42	X	2.406	2.406	0	%100
60	M42	Z	-1.389	-1.389	0	%100
61	M46	X	2.252	2.252	0	%100
62	M46	Z	-1.3	-1.3	0	%100
63	M47	X	.591	.591	0	%100
64	M47	Z	-.341	-.341	0	%100
65	M48	X	.591	.591	0	%100
66	M48	Z	-.341	-.341	0	%100
67	M49	X	2.252	2.252	0	%100
68	M49	Z	-1.3	-1.3	0	%100
69	M50	X	.536	.536	0	%100
70	M50	Z	-.309	-.309	0	%100
71	M51	X	.536	.536	0	%100
72	M51	Z	-.309	-.309	0	%100
73	MP1A	X	1.858	1.858	0	%100
74	MP1A	Z	-1.073	-1.073	0	%100
75	MP2A	X	1.858	1.858	0	%100
76	MP2A	Z	-1.073	-1.073	0	%100
77	MP3A	X	1.858	1.858	0	%100
78	MP3A	Z	-1.073	-1.073	0	%100
79	MP4A	X	1.858	1.858	0	%100
80	MP4A	Z	-1.073	-1.073	0	%100
81	MP4B	X	1.858	1.858	0	%100
82	MP4B	Z	-1.073	-1.073	0	%100
83	MP1B	X	1.858	1.858	0	%100
84	MP1B	Z	-1.073	-1.073	0	%100
85	MP2B	X	1.858	1.858	0	%100
86	MP2B	Z	-1.073	-1.073	0	%100
87	MP3B	X	1.858	1.858	0	%100
88	MP3B	Z	-1.073	-1.073	0	%100
89	MP3C	X	1.858	1.858	0	%100
90	MP3C	Z	-1.073	-1.073	0	%100
91	MP2C	X	1.858	1.858	0	%100
92	MP2C	Z	-1.073	-1.073	0	%100
93	MP1C	X	1.858	1.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-1.073	-1.073	0	%100
95	MP4C	X	1.858	1.858	0	%100
96	MP4C	Z	-1.073	-1.073	0	%100
97	SP12	X	1.729	1.729	0	%100
98	SP12	Z	-.999	-.999	0	%100
99	M75	X	.516	.516	0	%100
100	M75	Z	-.298	-.298	0	%100
101	M76	X	.516	.516	0	%100
102	M76	Z	-.298	-.298	0	%100
103	M77	X	2.064	2.064	0	%100
104	M77	Z	-1.192	-1.192	0	%100
105	M96	X	2.075	2.075	0	%100
106	M96	Z	-1.198	-1.198	0	%100
107	M97	X	.519	.519	0	%100
108	M97	Z	-.3	-.3	0	%100
109	M98	X	.519	.519	0	%100
110	M98	Z	-.3	-.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.677	.677	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.583	2.583	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.631	2.631	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	2.023	2.023	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	1.072	1.072	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	2.583	2.583	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.666	.666	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	2.01	2.01	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.677	.677	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.631	2.631	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	2.583	2.583	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	2.023	2.023	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	2.583	2.583	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	.666	.666	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	1.072	1.072	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	2.01	2.01	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	2.708	2.708	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	2.583	2.583	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	2.583	2.583	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	2.583	2.583	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	3.428	3.428	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	2.583	2.583	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	3.428	3.428	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	1.983	1.983	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	1.983	1.983	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	.000528	.000528	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	1.918	1.918	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	1.918	1.918	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	.000528	.000528	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	2.146	2.146	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	2.146	2.146	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	2.146	2.146	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	2.146	2.146	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	2.146	2.146	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	2.146	2.146	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	2.146	2.146	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	2.146	2.146	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	2.146	2.146	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	2.146	2.146	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.146	2.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	2.146	2.146	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	1.997	1.997	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	1.787	1.787	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	1.787	1.787	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	1.797	1.797	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	1.797	1.797	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.58	.58	0	%100
2	M1	Z	.335	.335	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.746	.746	0	%100
6	M3	Z	.431	.431	0	%100
7	M4	X	3.038	3.038	0	%100
8	M4	Z	1.754	1.754	0	%100
9	M5	X	.746	.746	0	%100
10	M5	Z	.431	.431	0	%100
11	M10	X	2.335	2.335	0	%100
12	M10	Z	1.348	1.348	0	%100
13	M11	X	.746	.746	0	%100
14	M11	Z	.431	.431	0	%100
15	M12	X	.014	.014	0	%100
16	M12	Z	.008	.008	0	%100
17	M13	X	.746	.746	0	%100
18	M13	Z	.431	.431	0	%100
19	M14	X	.014	.014	0	%100
20	M14	Z	.008	.008	0	%100
21	M15	X	2.321	2.321	0	%100
22	M15	Z	1.34	1.34	0	%100
23	M16	X	1.759	1.759	0	%100
24	M16	Z	1.016	1.016	0	%100
25	M17	X	.746	.746	0	%100
26	M17	Z	.431	.431	0	%100
27	M18	X	.76	.76	0	%100
28	M18	Z	.439	.439	0	%100
29	M19	X	2.983	2.983	0	%100
30	M19	Z	1.722	1.722	0	%100
31	M24	X	.584	.584	0	%100
32	M24	Z	.337	.337	0	%100
33	M25	X	2.983	2.983	0	%100
34	M25	Z	1.722	1.722	0	%100
35	M26	X	2.054	2.054	0	%100
36	M26	Z	1.186	1.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.746	.746	0	%100
38	M27	Z	.431	.431	0	%100
39	M28	X	2.406	2.406	0	%100
40	M28	Z	1.389	1.389	0	%100
41	M29	X	.58	.58	0	%100
42	M29	Z	.335	.335	0	%100
43	M30	X	1.759	1.759	0	%100
44	M30	Z	1.016	1.016	0	%100
45	M31	X	2.983	2.983	0	%100
46	M31	Z	1.722	1.722	0	%100
47	M32	X	.76	.76	0	%100
48	M32	Z	.439	.439	0	%100
49	M33	X	.746	.746	0	%100
50	M33	Z	.431	.431	0	%100
51	M38	X	.584	.584	0	%100
52	M38	Z	.337	.337	0	%100
53	M39	X	.746	.746	0	%100
54	M39	Z	.431	.431	0	%100
55	M40	X	2.406	2.406	0	%100
56	M40	Z	1.389	1.389	0	%100
57	M41	X	2.983	2.983	0	%100
58	M41	Z	1.722	1.722	0	%100
59	M42	X	2.054	2.054	0	%100
60	M42	Z	1.186	1.186	0	%100
61	M46	X	.591	.591	0	%100
62	M46	Z	.341	.341	0	%100
63	M47	X	2.252	2.252	0	%100
64	M47	Z	1.3	1.3	0	%100
65	M48	X	.536	.536	0	%100
66	M48	Z	.309	.309	0	%100
67	M49	X	.536	.536	0	%100
68	M49	Z	.309	.309	0	%100
69	M50	X	2.252	2.252	0	%100
70	M50	Z	1.3	1.3	0	%100
71	M51	X	.591	.591	0	%100
72	M51	Z	.341	.341	0	%100
73	MP1A	X	1.858	1.858	0	%100
74	MP1A	Z	1.073	1.073	0	%100
75	MP2A	X	1.858	1.858	0	%100
76	MP2A	Z	1.073	1.073	0	%100
77	MP3A	X	1.858	1.858	0	%100
78	MP3A	Z	1.073	1.073	0	%100
79	MP4A	X	1.858	1.858	0	%100
80	MP4A	Z	1.073	1.073	0	%100
81	MP4B	X	1.858	1.858	0	%100
82	MP4B	Z	1.073	1.073	0	%100
83	MP1B	X	1.858	1.858	0	%100
84	MP1B	Z	1.073	1.073	0	%100
85	MP2B	X	1.858	1.858	0	%100
86	MP2B	Z	1.073	1.073	0	%100
87	MP3B	X	1.858	1.858	0	%100
88	MP3B	Z	1.073	1.073	0	%100
89	MP3C	X	1.858	1.858	0	%100
90	MP3C	Z	1.073	1.073	0	%100
91	MP2C	X	1.858	1.858	0	%100
92	MP2C	Z	1.073	1.073	0	%100
93	MP1C	X	1.858	1.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	1.073	1.073	0	%100
95	MP4C	X	1.858	1.858	0	%100
96	MP4C	Z	1.073	1.073	0	%100
97	SP12	X	1.729	1.729	0	%100
98	SP12	Z	.999	.999	0	%100
99	M75	X	.516	.516	0	%100
100	M75	Z	.298	.298	0	%100
101	M76	X	2.064	2.064	0	%100
102	M76	Z	1.192	1.192	0	%100
103	M77	X	.516	.516	0	%100
104	M77	Z	.298	.298	0	%100
105	M96	X	.519	.519	0	%100
106	M96	Z	.3	.3	0	%100
107	M97	X	.519	.519	0	%100
108	M97	Z	.3	.3	0	%100
109	M98	X	2.075	2.075	0	%100
110	M98	Z	1.198	1.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	1.005	1.005	0	%100
2	M1	Z	1.741	1.741	0	%100
3	M2	X	.339	.339	0	%100
4	M2	Z	.586	.586	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.316	1.316	0	%100
8	M4	Z	2.279	2.279	0	%100
9	M5	X	1.292	1.292	0	%100
10	M5	Z	2.237	2.237	0	%100
11	M10	X	1.011	1.011	0	%100
12	M10	Z	1.752	1.752	0	%100
13	M11	X	1.292	1.292	0	%100
14	M11	Z	2.237	2.237	0	%100
15	M12	X	.333	.333	0	%100
16	M12	Z	.577	.577	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.536	.536	0	%100
20	M14	Z	.929	.929	0	%100
21	M15	X	1.005	1.005	0	%100
22	M15	Z	1.741	1.741	0	%100
23	M16	X	1.354	1.354	0	%100
24	M16	Z	2.345	2.345	0	%100
25	M17	X	1.292	1.292	0	%100
26	M17	Z	2.237	2.237	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	1.292	1.292	0	%100
30	M19	Z	2.237	2.237	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	1.292	1.292	0	%100
34	M25	Z	2.237	2.237	0	%100
35	M26	X	1.714	1.714	0	%100
36	M26	Z	2.969	2.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	1.292	1.292	0	%100
38	M27	Z	2.237	2.237	0	%100
39	M28	X	1.714	1.714	0	%100
40	M28	Z	2.969	2.969	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	.339	.339	0	%100
44	M30	Z	.586	.586	0	%100
45	M31	X	1.292	1.292	0	%100
46	M31	Z	2.237	2.237	0	%100
47	M32	X	1.316	1.316	0	%100
48	M32	Z	2.279	2.279	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	1.011	1.011	0	%100
52	M38	Z	1.752	1.752	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.536	.536	0	%100
56	M40	Z	.929	.929	0	%100
57	M41	X	1.292	1.292	0	%100
58	M41	Z	2.237	2.237	0	%100
59	M42	X	.333	.333	0	%100
60	M42	Z	.577	.577	0	%100
61	M46	X	.000264	.000264	0	%100
62	M46	Z	.000457	.000457	0	%100
63	M47	X	.959	.959	0	%100
64	M47	Z	1.661	1.661	0	%100
65	M48	X	.959	.959	0	%100
66	M48	Z	1.661	1.661	0	%100
67	M49	X	.000264	.000264	0	%100
68	M49	Z	.000457	.000457	0	%100
69	M50	X	.991	.991	0	%100
70	M50	Z	1.717	1.717	0	%100
71	M51	X	.991	.991	0	%100
72	M51	Z	1.717	1.717	0	%100
73	MP1A	X	1.073	1.073	0	%100
74	MP1A	Z	1.858	1.858	0	%100
75	MP2A	X	1.073	1.073	0	%100
76	MP2A	Z	1.858	1.858	0	%100
77	MP3A	X	1.073	1.073	0	%100
78	MP3A	Z	1.858	1.858	0	%100
79	MP4A	X	1.073	1.073	0	%100
80	MP4A	Z	1.858	1.858	0	%100
81	MP4B	X	1.073	1.073	0	%100
82	MP4B	Z	1.858	1.858	0	%100
83	MP1B	X	1.073	1.073	0	%100
84	MP1B	Z	1.858	1.858	0	%100
85	MP2B	X	1.073	1.073	0	%100
86	MP2B	Z	1.858	1.858	0	%100
87	MP3B	X	1.073	1.073	0	%100
88	MP3B	Z	1.858	1.858	0	%100
89	MP3C	X	1.073	1.073	0	%100
90	MP3C	Z	1.858	1.858	0	%100
91	MP2C	X	1.073	1.073	0	%100
92	MP2C	Z	1.858	1.858	0	%100
93	MP1C	X	1.073	1.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	1.858	1.858	0	%100
95	MP4C	X	1.073	1.073	0	%100
96	MP4C	Z	1.858	1.858	0	%100
97	SP12	X	.999	.999	0	%100
98	SP12	Z	1.729	1.729	0	%100
99	M75	X	.894	.894	0	%100
100	M75	Z	1.548	1.548	0	%100
101	M76	X	.894	.894	0	%100
102	M76	Z	1.548	1.548	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	.899	.899	0	%100
108	M97	Z	1.556	1.556	0	%100
109	M98	X	.899	.899	0	%100
110	M98	Z	1.556	1.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.68	2.68	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.031	2.031	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.861	.861	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.877	.877	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.444	3.444	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.674	.674	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	3.444	3.444	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	2.372	2.372	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.861	.861	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	2.779	2.779	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.67	.67	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	2.031	2.031	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	3.444	3.444	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.877	.877	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.861	.861	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	.674	.674	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	.861	.861	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	2.779	2.779	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	3.444	3.444	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	2.372	2.372	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	.67	.67	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	.861	.861	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	3.508	3.508	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	.861	.861	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	2.697	2.697	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	.861	.861	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	.016	.016	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	.861	.861	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	.016	.016	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	.618	.618	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	.618	.618	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	2.6	2.6	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	.683	.683	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	.683	.683	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	2.6	2.6	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	2.146	2.146	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	2.146	2.146	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	2.146	2.146	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	2.146	2.146	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	2.146	2.146	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	2.146	2.146	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	2.146	2.146	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	2.146	2.146	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	2.146	2.146	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	2.146	2.146	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	2.146	2.146	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	2.146	2.146	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	1.997	1.997	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	2.383	2.383	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	.596	.596	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	.596	.596	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	.599	.599	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	2.396	2.396	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	.599	.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-1.005	-1.005	0	%100
2	M1	Z	1.741	1.741	0	%100
3	M2	X	-1.354	-1.354	0	%100
4	M2	Z	2.345	2.345	0	%100
5	M3	X	-1.292	-1.292	0	%100
6	M3	Z	2.237	2.237	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.292	-1.292	0	%100
10	M5	Z	2.237	2.237	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-1.292	-1.292	0	%100
14	M11	Z	2.237	2.237	0	%100
15	M12	X	-1.714	-1.714	0	%100
16	M12	Z	2.969	2.969	0	%100
17	M13	X	-1.292	-1.292	0	%100
18	M13	Z	2.237	2.237	0	%100
19	M14	X	-1.714	-1.714	0	%100
20	M14	Z	2.969	2.969	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.339	-.339	0	%100
24	M16	Z	.586	.586	0	%100
25	M17	X	-1.292	-1.292	0	%100
26	M17	Z	2.237	2.237	0	%100
27	M18	X	-1.316	-1.316	0	%100
28	M18	Z	2.279	2.279	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-1.011	-1.011	0	%100
32	M24	Z	1.752	1.752	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-.536	-.536	0	%100
36	M26	Z	.929	.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-1.292	-1.292	0	%100
38	M27	Z	2.237	2.237	0	%100
39	M28	X	-.333	-.333	0	%100
40	M28	Z	.577	.577	0	%100
41	M29	X	-1.005	-1.005	0	%100
42	M29	Z	1.741	1.741	0	%100
43	M30	X	-.339	-.339	0	%100
44	M30	Z	.586	.586	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	-1.316	-1.316	0	%100
48	M32	Z	2.279	2.279	0	%100
49	M33	X	-1.292	-1.292	0	%100
50	M33	Z	2.237	2.237	0	%100
51	M38	X	-1.011	-1.011	0	%100
52	M38	Z	1.752	1.752	0	%100
53	M39	X	-1.292	-1.292	0	%100
54	M39	Z	2.237	2.237	0	%100
55	M40	X	-.333	-.333	0	%100
56	M40	Z	.577	.577	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-.536	-.536	0	%100
60	M42	Z	.929	.929	0	%100
61	M46	X	-.959	-.959	0	%100
62	M46	Z	1.661	1.661	0	%100
63	M47	X	-.000264	-.000264	0	%100
64	M47	Z	.000457	.000457	0	%100
65	M48	X	-.991	-.991	0	%100
66	M48	Z	1.717	1.717	0	%100
67	M49	X	-.991	-.991	0	%100
68	M49	Z	1.717	1.717	0	%100
69	M50	X	-.000264	-.000264	0	%100
70	M50	Z	.000457	.000457	0	%100
71	M51	X	-.959	-.959	0	%100
72	M51	Z	1.661	1.661	0	%100
73	MP1A	X	-1.073	-1.073	0	%100
74	MP1A	Z	1.858	1.858	0	%100
75	MP2A	X	-1.073	-1.073	0	%100
76	MP2A	Z	1.858	1.858	0	%100
77	MP3A	X	-1.073	-1.073	0	%100
78	MP3A	Z	1.858	1.858	0	%100
79	MP4A	X	-1.073	-1.073	0	%100
80	MP4A	Z	1.858	1.858	0	%100
81	MP4B	X	-1.073	-1.073	0	%100
82	MP4B	Z	1.858	1.858	0	%100
83	MP1B	X	-1.073	-1.073	0	%100
84	MP1B	Z	1.858	1.858	0	%100
85	MP2B	X	-1.073	-1.073	0	%100
86	MP2B	Z	1.858	1.858	0	%100
87	MP3B	X	-1.073	-1.073	0	%100
88	MP3B	Z	1.858	1.858	0	%100
89	MP3C	X	-1.073	-1.073	0	%100
90	MP3C	Z	1.858	1.858	0	%100
91	MP2C	X	-1.073	-1.073	0	%100
92	MP2C	Z	1.858	1.858	0	%100
93	MP1C	X	-1.073	-1.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	1.858	1.858	0	%100
95	MP4C	X	-1.073	-1.073	0	%100
96	MP4C	Z	1.858	1.858	0	%100
97	SP12	X	-.999	-.999	0	%100
98	SP12	Z	1.729	1.729	0	%100
99	M75	X	-.894	-.894	0	%100
100	M75	Z	1.548	1.548	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-.894	-.894	0	%100
104	M77	Z	1.548	1.548	0	%100
105	M96	X	-.899	-.899	0	%100
106	M96	Z	1.556	1.556	0	%100
107	M97	X	-.899	-.899	0	%100
108	M97	Z	1.556	1.556	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.58	-.58	0	%100
2	M1	Z	.335	.335	0	%100
3	M2	X	-1.759	-1.759	0	%100
4	M2	Z	1.016	1.016	0	%100
5	M3	X	-2.983	-2.983	0	%100
6	M3	Z	1.722	1.722	0	%100
7	M4	X	-.76	-.76	0	%100
8	M4	Z	.439	.439	0	%100
9	M5	X	-.746	-.746	0	%100
10	M5	Z	.431	.431	0	%100
11	M10	X	-.584	-.584	0	%100
12	M10	Z	.337	.337	0	%100
13	M11	X	-.746	-.746	0	%100
14	M11	Z	.431	.431	0	%100
15	M12	X	-2.406	-2.406	0	%100
16	M12	Z	1.389	1.389	0	%100
17	M13	X	-2.983	-2.983	0	%100
18	M13	Z	1.722	1.722	0	%100
19	M14	X	-2.054	-2.054	0	%100
20	M14	Z	1.186	1.186	0	%100
21	M15	X	-.58	-.58	0	%100
22	M15	Z	.335	.335	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.746	-.746	0	%100
26	M17	Z	.431	.431	0	%100
27	M18	X	-3.038	-3.038	0	%100
28	M18	Z	1.754	1.754	0	%100
29	M19	X	-.746	-.746	0	%100
30	M19	Z	.431	.431	0	%100
31	M24	X	-2.335	-2.335	0	%100
32	M24	Z	1.348	1.348	0	%100
33	M25	X	-.746	-.746	0	%100
34	M25	Z	.431	.431	0	%100
35	M26	X	-.014	-.014	0	%100
36	M26	Z	.008	.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.746	-.746	0	%100
38	M27	Z	.431	.431	0	%100
39	M28	X	-.014	-.014	0	%100
40	M28	Z	.008	.008	0	%100
41	M29	X	-2.321	-2.321	0	%100
42	M29	Z	1.34	1.34	0	%100
43	M30	X	-1.759	-1.759	0	%100
44	M30	Z	1.016	1.016	0	%100
45	M31	X	-.746	-.746	0	%100
46	M31	Z	.431	.431	0	%100
47	M32	X	-.76	-.76	0	%100
48	M32	Z	.439	.439	0	%100
49	M33	X	-2.983	-2.983	0	%100
50	M33	Z	1.722	1.722	0	%100
51	M38	X	-.584	-.584	0	%100
52	M38	Z	.337	.337	0	%100
53	M39	X	-2.983	-2.983	0	%100
54	M39	Z	1.722	1.722	0	%100
55	M40	X	-2.054	-2.054	0	%100
56	M40	Z	1.186	1.186	0	%100
57	M41	X	-.746	-.746	0	%100
58	M41	Z	.431	.431	0	%100
59	M42	X	-2.406	-2.406	0	%100
60	M42	Z	1.389	1.389	0	%100
61	M46	X	-2.252	-2.252	0	%100
62	M46	Z	1.3	1.3	0	%100
63	M47	X	-.591	-.591	0	%100
64	M47	Z	.341	.341	0	%100
65	M48	X	-.591	-.591	0	%100
66	M48	Z	.341	.341	0	%100
67	M49	X	-2.252	-2.252	0	%100
68	M49	Z	1.3	1.3	0	%100
69	M50	X	-.536	-.536	0	%100
70	M50	Z	.309	.309	0	%100
71	M51	X	-.536	-.536	0	%100
72	M51	Z	.309	.309	0	%100
73	MP1A	X	-1.858	-1.858	0	%100
74	MP1A	Z	1.073	1.073	0	%100
75	MP2A	X	-1.858	-1.858	0	%100
76	MP2A	Z	1.073	1.073	0	%100
77	MP3A	X	-1.858	-1.858	0	%100
78	MP3A	Z	1.073	1.073	0	%100
79	MP4A	X	-1.858	-1.858	0	%100
80	MP4A	Z	1.073	1.073	0	%100
81	MP4B	X	-1.858	-1.858	0	%100
82	MP4B	Z	1.073	1.073	0	%100
83	MP1B	X	-1.858	-1.858	0	%100
84	MP1B	Z	1.073	1.073	0	%100
85	MP2B	X	-1.858	-1.858	0	%100
86	MP2B	Z	1.073	1.073	0	%100
87	MP3B	X	-1.858	-1.858	0	%100
88	MP3B	Z	1.073	1.073	0	%100
89	MP3C	X	-1.858	-1.858	0	%100
90	MP3C	Z	1.073	1.073	0	%100
91	MP2C	X	-1.858	-1.858	0	%100
92	MP2C	Z	1.073	1.073	0	%100
93	MP1C	X	-1.858	-1.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	1.073	1.073	0	%100
95	MP4C	X	-1.858	-1.858	0	%100
96	MP4C	Z	1.073	1.073	0	%100
97	SP12	X	-1.729	-1.729	0	%100
98	SP12	Z	.999	.999	0	%100
99	M75	X	-.516	-.516	0	%100
100	M75	Z	.298	.298	0	%100
101	M76	X	-.516	-.516	0	%100
102	M76	Z	.298	.298	0	%100
103	M77	X	-2.064	-2.064	0	%100
104	M77	Z	1.192	1.192	0	%100
105	M96	X	-2.075	-2.075	0	%100
106	M96	Z	1.198	1.198	0	%100
107	M97	X	-.519	-.519	0	%100
108	M97	Z	.3	.3	0	%100
109	M98	X	-.519	-.519	0	%100
110	M98	Z	.3	.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.677	-.677	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.583	-2.583	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.631	-2.631	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	-2.023	-2.023	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-1.072	-1.072	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-2.583	-2.583	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.666	-.666	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-2.01	-2.01	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.677	-.677	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.631	-2.631	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-2.583	-2.583	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-2.023	-2.023	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-2.583	-2.583	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-.666	-.666	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	-1.072	-1.072	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	-2.01	-2.01	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-2.708	-2.708	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	-2.583	-2.583	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	-2.583	-2.583	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-2.583	-2.583	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-3.428	-3.428	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-2.583	-2.583	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-3.428	-3.428	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	-1.983	-1.983	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	-1.983	-1.983	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	-.000528	-.000528	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	-1.918	-1.918	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	-1.918	-1.918	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	-.000528	-.000528	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	-2.146	-2.146	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-2.146	-2.146	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-2.146	-2.146	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-2.146	-2.146	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	-2.146	-2.146	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	-2.146	-2.146	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-2.146	-2.146	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-2.146	-2.146	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	-2.146	-2.146	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-2.146	-2.146	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-2.146	-2.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-2.146	-2.146	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	-1.997	-1.997	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	-1.787	-1.787	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-1.787	-1.787	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	-1.797	-1.797	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	-1.797	-1.797	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.58	-.58	0	%100
2	M1	Z	-.335	-.335	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.746	-.746	0	%100
6	M3	Z	-.431	-.431	0	%100
7	M4	X	-3.038	-3.038	0	%100
8	M4	Z	-1.754	-1.754	0	%100
9	M5	X	-.746	-.746	0	%100
10	M5	Z	-.431	-.431	0	%100
11	M10	X	-2.335	-2.335	0	%100
12	M10	Z	-1.348	-1.348	0	%100
13	M11	X	-.746	-.746	0	%100
14	M11	Z	-.431	-.431	0	%100
15	M12	X	-.014	-.014	0	%100
16	M12	Z	-.008	-.008	0	%100
17	M13	X	-.746	-.746	0	%100
18	M13	Z	-.431	-.431	0	%100
19	M14	X	-.014	-.014	0	%100
20	M14	Z	-.008	-.008	0	%100
21	M15	X	-2.321	-2.321	0	%100
22	M15	Z	-1.34	-1.34	0	%100
23	M16	X	-1.759	-1.759	0	%100
24	M16	Z	-1.016	-1.016	0	%100
25	M17	X	-.746	-.746	0	%100
26	M17	Z	-.431	-.431	0	%100
27	M18	X	-.76	-.76	0	%100
28	M18	Z	-.439	-.439	0	%100
29	M19	X	-2.983	-2.983	0	%100
30	M19	Z	-1.722	-1.722	0	%100
31	M24	X	-.584	-.584	0	%100
32	M24	Z	-.337	-.337	0	%100
33	M25	X	-2.983	-2.983	0	%100
34	M25	Z	-1.722	-1.722	0	%100
35	M26	X	-2.054	-2.054	0	%100
36	M26	Z	-1.186	-1.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.746	-.746	0	%100
38	M27	Z	-.431	-.431	0	%100
39	M28	X	-2.406	-2.406	0	%100
40	M28	Z	-1.389	-1.389	0	%100
41	M29	X	-.58	-.58	0	%100
42	M29	Z	-.335	-.335	0	%100
43	M30	X	-1.759	-1.759	0	%100
44	M30	Z	-1.016	-1.016	0	%100
45	M31	X	-2.983	-2.983	0	%100
46	M31	Z	-1.722	-1.722	0	%100
47	M32	X	-.76	-.76	0	%100
48	M32	Z	-.439	-.439	0	%100
49	M33	X	-.746	-.746	0	%100
50	M33	Z	-.431	-.431	0	%100
51	M38	X	-.584	-.584	0	%100
52	M38	Z	-.337	-.337	0	%100
53	M39	X	-.746	-.746	0	%100
54	M39	Z	-.431	-.431	0	%100
55	M40	X	-2.406	-2.406	0	%100
56	M40	Z	-1.389	-1.389	0	%100
57	M41	X	-2.983	-2.983	0	%100
58	M41	Z	-1.722	-1.722	0	%100
59	M42	X	-2.054	-2.054	0	%100
60	M42	Z	-1.186	-1.186	0	%100
61	M46	X	-.591	-.591	0	%100
62	M46	Z	-.341	-.341	0	%100
63	M47	X	-2.252	-2.252	0	%100
64	M47	Z	-1.3	-1.3	0	%100
65	M48	X	-.536	-.536	0	%100
66	M48	Z	-.309	-.309	0	%100
67	M49	X	-.536	-.536	0	%100
68	M49	Z	-.309	-.309	0	%100
69	M50	X	-2.252	-2.252	0	%100
70	M50	Z	-1.3	-1.3	0	%100
71	M51	X	-.591	-.591	0	%100
72	M51	Z	-.341	-.341	0	%100
73	MP1A	X	-1.858	-1.858	0	%100
74	MP1A	Z	-1.073	-1.073	0	%100
75	MP2A	X	-1.858	-1.858	0	%100
76	MP2A	Z	-1.073	-1.073	0	%100
77	MP3A	X	-1.858	-1.858	0	%100
78	MP3A	Z	-1.073	-1.073	0	%100
79	MP4A	X	-1.858	-1.858	0	%100
80	MP4A	Z	-1.073	-1.073	0	%100
81	MP4B	X	-1.858	-1.858	0	%100
82	MP4B	Z	-1.073	-1.073	0	%100
83	MP1B	X	-1.858	-1.858	0	%100
84	MP1B	Z	-1.073	-1.073	0	%100
85	MP2B	X	-1.858	-1.858	0	%100
86	MP2B	Z	-1.073	-1.073	0	%100
87	MP3B	X	-1.858	-1.858	0	%100
88	MP3B	Z	-1.073	-1.073	0	%100
89	MP3C	X	-1.858	-1.858	0	%100
90	MP3C	Z	-1.073	-1.073	0	%100
91	MP2C	X	-1.858	-1.858	0	%100
92	MP2C	Z	-1.073	-1.073	0	%100
93	MP1C	X	-1.858	-1.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-1.073	-1.073	0	%100
95	MP4C	X	-1.858	-1.858	0	%100
96	MP4C	Z	-1.073	-1.073	0	%100
97	SP12	X	-1.729	-1.729	0	%100
98	SP12	Z	-.999	-.999	0	%100
99	M75	X	-.516	-.516	0	%100
100	M75	Z	-.298	-.298	0	%100
101	M76	X	-2.064	-2.064	0	%100
102	M76	Z	-1.192	-1.192	0	%100
103	M77	X	-.516	-.516	0	%100
104	M77	Z	-.298	-.298	0	%100
105	M96	X	-.519	-.519	0	%100
106	M96	Z	-.3	-.3	0	%100
107	M97	X	-.519	-.519	0	%100
108	M97	Z	-.3	-.3	0	%100
109	M98	X	-2.075	-2.075	0	%100
110	M98	Z	-1.198	-1.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-1.005	-1.005	0	%100
2	M1	Z	-1.741	-1.741	0	%100
3	M2	X	-.339	-.339	0	%100
4	M2	Z	-.586	-.586	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.316	-1.316	0	%100
8	M4	Z	-2.279	-2.279	0	%100
9	M5	X	-1.292	-1.292	0	%100
10	M5	Z	-2.237	-2.237	0	%100
11	M10	X	-1.011	-1.011	0	%100
12	M10	Z	-1.752	-1.752	0	%100
13	M11	X	-1.292	-1.292	0	%100
14	M11	Z	-2.237	-2.237	0	%100
15	M12	X	-.333	-.333	0	%100
16	M12	Z	-.577	-.577	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.536	-.536	0	%100
20	M14	Z	-.929	-.929	0	%100
21	M15	X	-1.005	-1.005	0	%100
22	M15	Z	-1.741	-1.741	0	%100
23	M16	X	-1.354	-1.354	0	%100
24	M16	Z	-2.345	-2.345	0	%100
25	M17	X	-1.292	-1.292	0	%100
26	M17	Z	-2.237	-2.237	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-1.292	-1.292	0	%100
30	M19	Z	-2.237	-2.237	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-1.292	-1.292	0	%100
34	M25	Z	-2.237	-2.237	0	%100
35	M26	X	-1.714	-1.714	0	%100
36	M26	Z	-2.969	-2.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-1.292	-1.292	0	%100
38	M27	Z	-2.237	-2.237	0	%100
39	M28	X	-1.714	-1.714	0	%100
40	M28	Z	-2.969	-2.969	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-.339	-.339	0	%100
44	M30	Z	-.586	-.586	0	%100
45	M31	X	-1.292	-1.292	0	%100
46	M31	Z	-2.237	-2.237	0	%100
47	M32	X	-1.316	-1.316	0	%100
48	M32	Z	-2.279	-2.279	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	-1.011	-1.011	0	%100
52	M38	Z	-1.752	-1.752	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.536	-.536	0	%100
56	M40	Z	-.929	-.929	0	%100
57	M41	X	-1.292	-1.292	0	%100
58	M41	Z	-2.237	-2.237	0	%100
59	M42	X	-.333	-.333	0	%100
60	M42	Z	-.577	-.577	0	%100
61	M46	X	-.000264	-.000264	0	%100
62	M46	Z	-.000457	-.000457	0	%100
63	M47	X	-.959	-.959	0	%100
64	M47	Z	-1.661	-1.661	0	%100
65	M48	X	-.959	-.959	0	%100
66	M48	Z	-1.661	-1.661	0	%100
67	M49	X	-.000264	-.000264	0	%100
68	M49	Z	-.000457	-.000457	0	%100
69	M50	X	-.991	-.991	0	%100
70	M50	Z	-1.717	-1.717	0	%100
71	M51	X	-.991	-.991	0	%100
72	M51	Z	-1.717	-1.717	0	%100
73	MP1A	X	-1.073	-1.073	0	%100
74	MP1A	Z	-1.858	-1.858	0	%100
75	MP2A	X	-1.073	-1.073	0	%100
76	MP2A	Z	-1.858	-1.858	0	%100
77	MP3A	X	-1.073	-1.073	0	%100
78	MP3A	Z	-1.858	-1.858	0	%100
79	MP4A	X	-1.073	-1.073	0	%100
80	MP4A	Z	-1.858	-1.858	0	%100
81	MP4B	X	-1.073	-1.073	0	%100
82	MP4B	Z	-1.858	-1.858	0	%100
83	MP1B	X	-1.073	-1.073	0	%100
84	MP1B	Z	-1.858	-1.858	0	%100
85	MP2B	X	-1.073	-1.073	0	%100
86	MP2B	Z	-1.858	-1.858	0	%100
87	MP3B	X	-1.073	-1.073	0	%100
88	MP3B	Z	-1.858	-1.858	0	%100
89	MP3C	X	-1.073	-1.073	0	%100
90	MP3C	Z	-1.858	-1.858	0	%100
91	MP2C	X	-1.073	-1.073	0	%100
92	MP2C	Z	-1.858	-1.858	0	%100
93	MP1C	X	-1.073	-1.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-1.858	-1.858	0	%100
95	MP4C	X	-1.073	-1.073	0	%100
96	MP4C	Z	-1.858	-1.858	0	%100
97	SP12	X	-.999	-.999	0	%100
98	SP12	Z	-1.729	-1.729	0	%100
99	M75	X	-.894	-.894	0	%100
100	M75	Z	-1.548	-1.548	0	%100
101	M76	X	-.894	-.894	0	%100
102	M76	Z	-1.548	-1.548	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	-.899	-.899	0	%100
108	M97	Z	-1.556	-1.556	0	%100
109	M98	X	-.899	-.899	0	%100
110	M98	Z	-1.556	-1.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.599	-.599	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.457	-.457	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.257	-.257	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.257	-.257	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.026	-1.026	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.151	-.151	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.026	-1.026	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.707	-.707	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.257	-.257	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-.828	-.828	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-.15	-.15	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.457	-.457	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.026	-1.026	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.257	-.257	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.257	-.257	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-.151	-.151	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-.257	-.257	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-.828	-.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	-1.026	-1.026	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	-.707	-.707	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	-.15	-.15	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	-.257	-.257	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	-1.026	-1.026	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	-.257	-.257	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-.605	-.605	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-.257	-.257	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-.005	-.005	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-.257	-.257	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-.005	-.005	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	-.136	-.136	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	-.136	-.136	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	-.57	-.57	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	-.15	-.15	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	-.15	-.15	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	-.57	-.57	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-.406	-.406	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-.406	-.406	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-.406	-.406	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.406	-.406	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-.406	-.406	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-.406	-.406	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-.406	-.406	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-.406	-.406	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.406	-.406	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.406	-.406	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-.406	-.406	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-.406	-.406	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	-.37	-.37	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	-.492	-.492	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	-.123	-.123	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	-.123	-.123	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	-.15	-.15	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	-.599	-.599	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-.15	-.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.225	.225	0	%100
2	M1	Z	-.389	-.389	0	%100
3	M2	X	.304	.304	0	%100
4	M2	Z	-.527	-.527	0	%100
5	M3	X	.385	.385	0	%100
6	M3	Z	-.667	-.667	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.385	.385	0	%100
10	M5	Z	-.667	-.667	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.385	.385	0	%100
14	M11	Z	-.667	-.667	0	%100
15	M12	X	.511	.511	0	%100
16	M12	Z	-.885	-.885	0	%100
17	M13	X	.385	.385	0	%100
18	M13	Z	-.667	-.667	0	%100
19	M14	X	.511	.511	0	%100
20	M14	Z	-.885	-.885	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.076	.076	0	%100
24	M16	Z	-.132	-.132	0	%100
25	M17	X	.385	.385	0	%100
26	M17	Z	-.667	-.667	0	%100
27	M18	X	.385	.385	0	%100
28	M18	Z	-.667	-.667	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	.227	.227	0	%100
32	M24	Z	-.393	-.393	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	.16	.16	0	%100
36	M26	Z	-.277	-.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.385	.385	0	%100
38	M27	Z	-.667	-.667	0	%100
39	M28	X	.099	.099	0	%100
40	M28	Z	-.172	-.172	0	%100
41	M29	X	.225	.225	0	%100
42	M29	Z	-.389	-.389	0	%100
43	M30	X	.076	.076	0	%100
44	M30	Z	-.132	-.132	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	.385	.385	0	%100
48	M32	Z	-.667	-.667	0	%100
49	M33	X	.385	.385	0	%100
50	M33	Z	-.667	-.667	0	%100
51	M38	X	.227	.227	0	%100
52	M38	Z	-.393	-.393	0	%100
53	M39	X	.385	.385	0	%100
54	M39	Z	-.667	-.667	0	%100
55	M40	X	.099	.099	0	%100
56	M40	Z	-.172	-.172	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	.16	.16	0	%100
60	M42	Z	-.277	-.277	0	%100
61	M46	X	.21	.21	0	%100
62	M46	Z	-.364	-.364	0	%100
63	M47	X	5.8e-5	5.8e-5	0	%100
64	M47	Z	-.0001	-.0001	0	%100
65	M48	X	.217	.217	0	%100
66	M48	Z	-.376	-.376	0	%100
67	M49	X	.217	.217	0	%100
68	M49	Z	-.376	-.376	0	%100
69	M50	X	5.8e-5	5.8e-5	0	%100
70	M50	Z	-.0001	-.0001	0	%100
71	M51	X	.21	.21	0	%100
72	M51	Z	-.364	-.364	0	%100
73	MP1A	X	.203	.203	0	%100
74	MP1A	Z	-.352	-.352	0	%100
75	MP2A	X	.203	.203	0	%100
76	MP2A	Z	-.352	-.352	0	%100
77	MP3A	X	.203	.203	0	%100
78	MP3A	Z	-.352	-.352	0	%100
79	MP4A	X	.203	.203	0	%100
80	MP4A	Z	-.352	-.352	0	%100
81	MP4B	X	.203	.203	0	%100
82	MP4B	Z	-.352	-.352	0	%100
83	MP1B	X	.203	.203	0	%100
84	MP1B	Z	-.352	-.352	0	%100
85	MP2B	X	.203	.203	0	%100
86	MP2B	Z	-.352	-.352	0	%100
87	MP3B	X	.203	.203	0	%100
88	MP3B	Z	-.352	-.352	0	%100
89	MP3C	X	.203	.203	0	%100
90	MP3C	Z	-.352	-.352	0	%100
91	MP2C	X	.203	.203	0	%100
92	MP2C	Z	-.352	-.352	0	%100
93	MP1C	X	.203	.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-.352	-.352	0	%100
95	MP4C	X	.203	.203	0	%100
96	MP4C	Z	-.352	-.352	0	%100
97	SP12	X	.185	.185	0	%100
98	SP12	Z	-.321	-.321	0	%100
99	M75	X	.184	.184	0	%100
100	M75	Z	-.319	-.319	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	.184	.184	0	%100
104	M77	Z	-.319	-.319	0	%100
105	M96	X	.225	.225	0	%100
106	M96	Z	-.389	-.389	0	%100
107	M97	X	.225	.225	0	%100
108	M97	Z	-.389	-.389	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.13	.13	0	%100
2	M1	Z	-.075	-.075	0	%100
3	M2	X	.395	.395	0	%100
4	M2	Z	-.228	-.228	0	%100
5	M3	X	.889	.889	0	%100
6	M3	Z	-.513	-.513	0	%100
7	M4	X	.222	.222	0	%100
8	M4	Z	-.128	-.128	0	%100
9	M5	X	.222	.222	0	%100
10	M5	Z	-.128	-.128	0	%100
11	M10	X	.131	.131	0	%100
12	M10	Z	-.076	-.076	0	%100
13	M11	X	.222	.222	0	%100
14	M11	Z	-.128	-.128	0	%100
15	M12	X	.717	.717	0	%100
16	M12	Z	-.414	-.414	0	%100
17	M13	X	.889	.889	0	%100
18	M13	Z	-.513	-.513	0	%100
19	M14	X	.612	.612	0	%100
20	M14	Z	-.353	-.353	0	%100
21	M15	X	.13	.13	0	%100
22	M15	Z	-.075	-.075	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.222	.222	0	%100
26	M17	Z	-.128	-.128	0	%100
27	M18	X	.889	.889	0	%100
28	M18	Z	-.513	-.513	0	%100
29	M19	X	.222	.222	0	%100
30	M19	Z	-.128	-.128	0	%100
31	M24	X	.524	.524	0	%100
32	M24	Z	-.302	-.302	0	%100
33	M25	X	.222	.222	0	%100
34	M25	Z	-.128	-.128	0	%100
35	M26	X	.004	.004	0	%100
36	M26	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.222	.222	0	%100
38	M27	Z	-.128	-.128	0	%100
39	M28	X	.004	.004	0	%100
40	M28	Z	-.002	-.002	0	%100
41	M29	X	.519	.519	0	%100
42	M29	Z	-.299	-.299	0	%100
43	M30	X	.395	.395	0	%100
44	M30	Z	-.228	-.228	0	%100
45	M31	X	.222	.222	0	%100
46	M31	Z	-.128	-.128	0	%100
47	M32	X	.222	.222	0	%100
48	M32	Z	-.128	-.128	0	%100
49	M33	X	.889	.889	0	%100
50	M33	Z	-.513	-.513	0	%100
51	M38	X	.131	.131	0	%100
52	M38	Z	-.076	-.076	0	%100
53	M39	X	.889	.889	0	%100
54	M39	Z	-.513	-.513	0	%100
55	M40	X	.612	.612	0	%100
56	M40	Z	-.353	-.353	0	%100
57	M41	X	.222	.222	0	%100
58	M41	Z	-.128	-.128	0	%100
59	M42	X	.717	.717	0	%100
60	M42	Z	-.414	-.414	0	%100
61	M46	X	.494	.494	0	%100
62	M46	Z	-.285	-.285	0	%100
63	M47	X	.13	.13	0	%100
64	M47	Z	-.075	-.075	0	%100
65	M48	X	.13	.13	0	%100
66	M48	Z	-.075	-.075	0	%100
67	M49	X	.494	.494	0	%100
68	M49	Z	-.285	-.285	0	%100
69	M50	X	.117	.117	0	%100
70	M50	Z	-.068	-.068	0	%100
71	M51	X	.117	.117	0	%100
72	M51	Z	-.068	-.068	0	%100
73	MP1A	X	.352	.352	0	%100
74	MP1A	Z	-.203	-.203	0	%100
75	MP2A	X	.352	.352	0	%100
76	MP2A	Z	-.203	-.203	0	%100
77	MP3A	X	.352	.352	0	%100
78	MP3A	Z	-.203	-.203	0	%100
79	MP4A	X	.352	.352	0	%100
80	MP4A	Z	-.203	-.203	0	%100
81	MP4B	X	.352	.352	0	%100
82	MP4B	Z	-.203	-.203	0	%100
83	MP1B	X	.352	.352	0	%100
84	MP1B	Z	-.203	-.203	0	%100
85	MP2B	X	.352	.352	0	%100
86	MP2B	Z	-.203	-.203	0	%100
87	MP3B	X	.352	.352	0	%100
88	MP3B	Z	-.203	-.203	0	%100
89	MP3C	X	.352	.352	0	%100
90	MP3C	Z	-.203	-.203	0	%100
91	MP2C	X	.352	.352	0	%100
92	MP2C	Z	-.203	-.203	0	%100
93	MP1C	X	.352	.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-.203	-.203	0	%100
95	MP4C	X	.352	.352	0	%100
96	MP4C	Z	-.203	-.203	0	%100
97	SP12	X	.321	.321	0	%100
98	SP12	Z	-.185	-.185	0	%100
99	M75	X	.106	.106	0	%100
100	M75	Z	-.061	-.061	0	%100
101	M76	X	.106	.106	0	%100
102	M76	Z	-.061	-.061	0	%100
103	M77	X	.426	.426	0	%100
104	M77	Z	-.246	-.246	0	%100
105	M96	X	.519	.519	0	%100
106	M96	Z	-.3	-.3	0	%100
107	M97	X	.13	.13	0	%100
108	M97	Z	-.075	-.075	0	%100
109	M98	X	.13	.13	0	%100
110	M98	Z	-.075	-.075	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.152	.152	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.77	.77	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.77	.77	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	.454	.454	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.32	.32	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.77	.77	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.198	.198	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	.449	.449	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.152	.152	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.77	.77	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.77	.77	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	.454	.454	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.77	.77	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	.198	.198	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	.32	.32	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	.449	.449	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	.609	.609	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	.77	.77	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	.77	.77	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	.77	.77	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	1.022	1.022	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	.77	.77	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	1.022	1.022	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	.435	.435	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	.435	.435	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	.000116	.000116	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	.421	.421	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	.421	.421	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	.000116	.000116	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	.406	.406	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	.406	.406	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	.406	.406	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	.406	.406	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	.406	.406	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	.406	.406	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	.406	.406	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	.406	.406	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	.406	.406	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	.406	.406	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.406	.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	.406	.406	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	.37	.37	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	.369	.369	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	.369	.369	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	.449	.449	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	.449	.449	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.13	.13	0	%100
2	M1	Z	.075	.075	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.222	.222	0	%100
6	M3	Z	.128	.128	0	%100
7	M4	X	.889	.889	0	%100
8	M4	Z	.513	.513	0	%100
9	M5	X	.222	.222	0	%100
10	M5	Z	.128	.128	0	%100
11	M10	X	.524	.524	0	%100
12	M10	Z	.302	.302	0	%100
13	M11	X	.222	.222	0	%100
14	M11	Z	.128	.128	0	%100
15	M12	X	.004	.004	0	%100
16	M12	Z	.002	.002	0	%100
17	M13	X	.222	.222	0	%100
18	M13	Z	.128	.128	0	%100
19	M14	X	.004	.004	0	%100
20	M14	Z	.002	.002	0	%100
21	M15	X	.519	.519	0	%100
22	M15	Z	.299	.299	0	%100
23	M16	X	.395	.395	0	%100
24	M16	Z	.228	.228	0	%100
25	M17	X	.222	.222	0	%100
26	M17	Z	.128	.128	0	%100
27	M18	X	.222	.222	0	%100
28	M18	Z	.128	.128	0	%100
29	M19	X	.889	.889	0	%100
30	M19	Z	.513	.513	0	%100
31	M24	X	.131	.131	0	%100
32	M24	Z	.076	.076	0	%100
33	M25	X	.889	.889	0	%100
34	M25	Z	.513	.513	0	%100
35	M26	X	.612	.612	0	%100
36	M26	Z	.353	.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.222	.222	0	%100
38	M27	Z	.128	.128	0	%100
39	M28	X	.717	.717	0	%100
40	M28	Z	.414	.414	0	%100
41	M29	X	.13	.13	0	%100
42	M29	Z	.075	.075	0	%100
43	M30	X	.395	.395	0	%100
44	M30	Z	.228	.228	0	%100
45	M31	X	.889	.889	0	%100
46	M31	Z	.513	.513	0	%100
47	M32	X	.222	.222	0	%100
48	M32	Z	.128	.128	0	%100
49	M33	X	.222	.222	0	%100
50	M33	Z	.128	.128	0	%100
51	M38	X	.131	.131	0	%100
52	M38	Z	.076	.076	0	%100
53	M39	X	.222	.222	0	%100
54	M39	Z	.128	.128	0	%100
55	M40	X	.717	.717	0	%100
56	M40	Z	.414	.414	0	%100
57	M41	X	.889	.889	0	%100
58	M41	Z	.513	.513	0	%100
59	M42	X	.612	.612	0	%100
60	M42	Z	.353	.353	0	%100
61	M46	X	.13	.13	0	%100
62	M46	Z	.075	.075	0	%100
63	M47	X	.494	.494	0	%100
64	M47	Z	.285	.285	0	%100
65	M48	X	.117	.117	0	%100
66	M48	Z	.068	.068	0	%100
67	M49	X	.117	.117	0	%100
68	M49	Z	.068	.068	0	%100
69	M50	X	.494	.494	0	%100
70	M50	Z	.285	.285	0	%100
71	M51	X	.13	.13	0	%100
72	M51	Z	.075	.075	0	%100
73	MP1A	X	.352	.352	0	%100
74	MP1A	Z	.203	.203	0	%100
75	MP2A	X	.352	.352	0	%100
76	MP2A	Z	.203	.203	0	%100
77	MP3A	X	.352	.352	0	%100
78	MP3A	Z	.203	.203	0	%100
79	MP4A	X	.352	.352	0	%100
80	MP4A	Z	.203	.203	0	%100
81	MP4B	X	.352	.352	0	%100
82	MP4B	Z	.203	.203	0	%100
83	MP1B	X	.352	.352	0	%100
84	MP1B	Z	.203	.203	0	%100
85	MP2B	X	.352	.352	0	%100
86	MP2B	Z	.203	.203	0	%100
87	MP3B	X	.352	.352	0	%100
88	MP3B	Z	.203	.203	0	%100
89	MP3C	X	.352	.352	0	%100
90	MP3C	Z	.203	.203	0	%100
91	MP2C	X	.352	.352	0	%100
92	MP2C	Z	.203	.203	0	%100
93	MP1C	X	.352	.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	.203	.203	0	%100
95	MP4C	X	.352	.352	0	%100
96	MP4C	Z	.203	.203	0	%100
97	SP12	X	.321	.321	0	%100
98	SP12	Z	.185	.185	0	%100
99	M75	X	.106	.106	0	%100
100	M75	Z	.061	.061	0	%100
101	M76	X	.426	.426	0	%100
102	M76	Z	.246	.246	0	%100
103	M77	X	.106	.106	0	%100
104	M77	Z	.061	.061	0	%100
105	M96	X	.13	.13	0	%100
106	M96	Z	.075	.075	0	%100
107	M97	X	.13	.13	0	%100
108	M97	Z	.075	.075	0	%100
109	M98	X	.519	.519	0	%100
110	M98	Z	.3	.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	.225	.225	0	%100
2	M1	Z	.389	.389	0	%100
3	M2	X	.076	.076	0	%100
4	M2	Z	.132	.132	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.385	.385	0	%100
8	M4	Z	.667	.667	0	%100
9	M5	X	.385	.385	0	%100
10	M5	Z	.667	.667	0	%100
11	M10	X	.227	.227	0	%100
12	M10	Z	.393	.393	0	%100
13	M11	X	.385	.385	0	%100
14	M11	Z	.667	.667	0	%100
15	M12	X	.099	.099	0	%100
16	M12	Z	.172	.172	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.16	.16	0	%100
20	M14	Z	.277	.277	0	%100
21	M15	X	.225	.225	0	%100
22	M15	Z	.389	.389	0	%100
23	M16	X	.304	.304	0	%100
24	M16	Z	.527	.527	0	%100
25	M17	X	.385	.385	0	%100
26	M17	Z	.667	.667	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.385	.385	0	%100
30	M19	Z	.667	.667	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.385	.385	0	%100
34	M25	Z	.667	.667	0	%100
35	M26	X	.511	.511	0	%100
36	M26	Z	.885	.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	.385	.385	0	%100
38	M27	Z	.667	.667	0	%100
39	M28	X	.511	.511	0	%100
40	M28	Z	.885	.885	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	.076	.076	0	%100
44	M30	Z	.132	.132	0	%100
45	M31	X	.385	.385	0	%100
46	M31	Z	.667	.667	0	%100
47	M32	X	.385	.385	0	%100
48	M32	Z	.667	.667	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	.227	.227	0	%100
52	M38	Z	.393	.393	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.16	.16	0	%100
56	M40	Z	.277	.277	0	%100
57	M41	X	.385	.385	0	%100
58	M41	Z	.667	.667	0	%100
59	M42	X	.099	.099	0	%100
60	M42	Z	.172	.172	0	%100
61	M46	X	5.8e-5	5.8e-5	0	%100
62	M46	Z	.0001	.0001	0	%100
63	M47	X	.21	.21	0	%100
64	M47	Z	.364	.364	0	%100
65	M48	X	.21	.21	0	%100
66	M48	Z	.364	.364	0	%100
67	M49	X	5.8e-5	5.8e-5	0	%100
68	M49	Z	.0001	.0001	0	%100
69	M50	X	.217	.217	0	%100
70	M50	Z	.376	.376	0	%100
71	M51	X	.217	.217	0	%100
72	M51	Z	.376	.376	0	%100
73	MP1A	X	.203	.203	0	%100
74	MP1A	Z	.352	.352	0	%100
75	MP2A	X	.203	.203	0	%100
76	MP2A	Z	.352	.352	0	%100
77	MP3A	X	.203	.203	0	%100
78	MP3A	Z	.352	.352	0	%100
79	MP4A	X	.203	.203	0	%100
80	MP4A	Z	.352	.352	0	%100
81	MP4B	X	.203	.203	0	%100
82	MP4B	Z	.352	.352	0	%100
83	MP1B	X	.203	.203	0	%100
84	MP1B	Z	.352	.352	0	%100
85	MP2B	X	.203	.203	0	%100
86	MP2B	Z	.352	.352	0	%100
87	MP3B	X	.203	.203	0	%100
88	MP3B	Z	.352	.352	0	%100
89	MP3C	X	.203	.203	0	%100
90	MP3C	Z	.352	.352	0	%100
91	MP2C	X	.203	.203	0	%100
92	MP2C	Z	.352	.352	0	%100
93	MP1C	X	.203	.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	.352	.352	0	%100
95	MP4C	X	.203	.203	0	%100
96	MP4C	Z	.352	.352	0	%100
97	SP12	X	.185	.185	0	%100
98	SP12	Z	.321	.321	0	%100
99	M75	X	.184	.184	0	%100
100	M75	Z	.319	.319	0	%100
101	M76	X	.184	.184	0	%100
102	M76	Z	.319	.319	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	.225	.225	0	%100
108	M97	Z	.389	.389	0	%100
109	M98	X	.225	.225	0	%100
110	M98	Z	.389	.389	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.599	.599	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.457	.457	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.257	.257	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.257	.257	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.026	1.026	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.151	.151	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.026	1.026	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.707	.707	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.257	.257	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	.828	.828	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.15	.15	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.457	.457	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.026	1.026	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.257	.257	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.257	.257	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	.151	.151	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	.257	.257	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	.828	.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	1.026	1.026	0	%100
39	M28	X	0	0	0	%100
40	M28	Z	.707	.707	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	.15	.15	0	%100
43	M30	X	0	0	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	.257	.257	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	1.026	1.026	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	.257	.257	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	.605	.605	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	.257	.257	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	.005	.005	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	.257	.257	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	.005	.005	0	%100
61	M46	X	0	0	0	%100
62	M46	Z	.136	.136	0	%100
63	M47	X	0	0	0	%100
64	M47	Z	.136	.136	0	%100
65	M48	X	0	0	0	%100
66	M48	Z	.57	.57	0	%100
67	M49	X	0	0	0	%100
68	M49	Z	.15	.15	0	%100
69	M50	X	0	0	0	%100
70	M50	Z	.15	.15	0	%100
71	M51	X	0	0	0	%100
72	M51	Z	.57	.57	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	.406	.406	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	.406	.406	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	.406	.406	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.406	.406	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	.406	.406	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	.406	.406	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	.406	.406	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	.406	.406	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.406	.406	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.406	.406	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	.406	.406	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.406	.406	0	%100
97	SP12	X	0	0	0	%100
98	SP12	Z	.37	.37	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	.492	.492	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	.123	.123	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	.123	.123	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	.15	.15	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	.599	.599	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	.15	.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.225	-.225	0	%100
2	M1	Z	.389	.389	0	%100
3	M2	X	-.304	-.304	0	%100
4	M2	Z	.527	.527	0	%100
5	M3	X	-.385	-.385	0	%100
6	M3	Z	.667	.667	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.385	-.385	0	%100
10	M5	Z	.667	.667	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.385	-.385	0	%100
14	M11	Z	.667	.667	0	%100
15	M12	X	-.511	-.511	0	%100
16	M12	Z	.885	.885	0	%100
17	M13	X	-.385	-.385	0	%100
18	M13	Z	.667	.667	0	%100
19	M14	X	-.511	-.511	0	%100
20	M14	Z	.885	.885	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.076	-.076	0	%100
24	M16	Z	.132	.132	0	%100
25	M17	X	-.385	-.385	0	%100
26	M17	Z	.667	.667	0	%100
27	M18	X	-.385	-.385	0	%100
28	M18	Z	.667	.667	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-.227	-.227	0	%100
32	M24	Z	.393	.393	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-.16	-.16	0	%100
36	M26	Z	.277	.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.385	-.385	0	%100
38	M27	Z	.667	.667	0	%100
39	M28	X	-.099	-.099	0	%100
40	M28	Z	.172	.172	0	%100
41	M29	X	-.225	-.225	0	%100
42	M29	Z	.389	.389	0	%100
43	M30	X	-.076	-.076	0	%100
44	M30	Z	.132	.132	0	%100
45	M31	X	0	0	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	-.385	-.385	0	%100
48	M32	Z	.667	.667	0	%100
49	M33	X	-.385	-.385	0	%100
50	M33	Z	.667	.667	0	%100
51	M38	X	-.227	-.227	0	%100
52	M38	Z	.393	.393	0	%100
53	M39	X	-.385	-.385	0	%100
54	M39	Z	.667	.667	0	%100
55	M40	X	-.099	-.099	0	%100
56	M40	Z	.172	.172	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-.16	-.16	0	%100
60	M42	Z	.277	.277	0	%100
61	M46	X	-.21	-.21	0	%100
62	M46	Z	.364	.364	0	%100
63	M47	X	-5.8e-5	-5.8e-5	0	%100
64	M47	Z	.0001	.0001	0	%100
65	M48	X	-.217	-.217	0	%100
66	M48	Z	.376	.376	0	%100
67	M49	X	-.217	-.217	0	%100
68	M49	Z	.376	.376	0	%100
69	M50	X	-5.8e-5	-5.8e-5	0	%100
70	M50	Z	.0001	.0001	0	%100
71	M51	X	-.21	-.21	0	%100
72	M51	Z	.364	.364	0	%100
73	MP1A	X	-.203	-.203	0	%100
74	MP1A	Z	.352	.352	0	%100
75	MP2A	X	-.203	-.203	0	%100
76	MP2A	Z	.352	.352	0	%100
77	MP3A	X	-.203	-.203	0	%100
78	MP3A	Z	.352	.352	0	%100
79	MP4A	X	-.203	-.203	0	%100
80	MP4A	Z	.352	.352	0	%100
81	MP4B	X	-.203	-.203	0	%100
82	MP4B	Z	.352	.352	0	%100
83	MP1B	X	-.203	-.203	0	%100
84	MP1B	Z	.352	.352	0	%100
85	MP2B	X	-.203	-.203	0	%100
86	MP2B	Z	.352	.352	0	%100
87	MP3B	X	-.203	-.203	0	%100
88	MP3B	Z	.352	.352	0	%100
89	MP3C	X	-.203	-.203	0	%100
90	MP3C	Z	.352	.352	0	%100
91	MP2C	X	-.203	-.203	0	%100
92	MP2C	Z	.352	.352	0	%100
93	MP1C	X	-.203	-.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	.352	.352	0	%100
95	MP4C	X	-.203	-.203	0	%100
96	MP4C	Z	.352	.352	0	%100
97	SP12	X	-.185	-.185	0	%100
98	SP12	Z	.321	.321	0	%100
99	M75	X	-.184	-.184	0	%100
100	M75	Z	.319	.319	0	%100
101	M76	X	0	0	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-.184	-.184	0	%100
104	M77	Z	.319	.319	0	%100
105	M96	X	-.225	-.225	0	%100
106	M96	Z	.389	.389	0	%100
107	M97	X	-.225	-.225	0	%100
108	M97	Z	.389	.389	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.13	-.13	0	%100
2	M1	Z	.075	.075	0	%100
3	M2	X	-.395	-.395	0	%100
4	M2	Z	.228	.228	0	%100
5	M3	X	-.889	-.889	0	%100
6	M3	Z	.513	.513	0	%100
7	M4	X	-.222	-.222	0	%100
8	M4	Z	.128	.128	0	%100
9	M5	X	-.222	-.222	0	%100
10	M5	Z	.128	.128	0	%100
11	M10	X	-.131	-.131	0	%100
12	M10	Z	.076	.076	0	%100
13	M11	X	-.222	-.222	0	%100
14	M11	Z	.128	.128	0	%100
15	M12	X	-.717	-.717	0	%100
16	M12	Z	.414	.414	0	%100
17	M13	X	-.889	-.889	0	%100
18	M13	Z	.513	.513	0	%100
19	M14	X	-.612	-.612	0	%100
20	M14	Z	.353	.353	0	%100
21	M15	X	-.13	-.13	0	%100
22	M15	Z	.075	.075	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.222	-.222	0	%100
26	M17	Z	.128	.128	0	%100
27	M18	X	-.889	-.889	0	%100
28	M18	Z	.513	.513	0	%100
29	M19	X	-.222	-.222	0	%100
30	M19	Z	.128	.128	0	%100
31	M24	X	-.524	-.524	0	%100
32	M24	Z	.302	.302	0	%100
33	M25	X	-.222	-.222	0	%100
34	M25	Z	.128	.128	0	%100
35	M26	X	-.004	-.004	0	%100
36	M26	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.222	-.222	0	%100
38	M27	Z	.128	.128	0	%100
39	M28	X	-.004	-.004	0	%100
40	M28	Z	.002	.002	0	%100
41	M29	X	-.519	-.519	0	%100
42	M29	Z	.299	.299	0	%100
43	M30	X	-.395	-.395	0	%100
44	M30	Z	.228	.228	0	%100
45	M31	X	-.222	-.222	0	%100
46	M31	Z	.128	.128	0	%100
47	M32	X	-.222	-.222	0	%100
48	M32	Z	.128	.128	0	%100
49	M33	X	-.889	-.889	0	%100
50	M33	Z	.513	.513	0	%100
51	M38	X	-.131	-.131	0	%100
52	M38	Z	.076	.076	0	%100
53	M39	X	-.889	-.889	0	%100
54	M39	Z	.513	.513	0	%100
55	M40	X	-.612	-.612	0	%100
56	M40	Z	.353	.353	0	%100
57	M41	X	-.222	-.222	0	%100
58	M41	Z	.128	.128	0	%100
59	M42	X	-.717	-.717	0	%100
60	M42	Z	.414	.414	0	%100
61	M46	X	-.494	-.494	0	%100
62	M46	Z	.285	.285	0	%100
63	M47	X	-.13	-.13	0	%100
64	M47	Z	.075	.075	0	%100
65	M48	X	-.13	-.13	0	%100
66	M48	Z	.075	.075	0	%100
67	M49	X	-.494	-.494	0	%100
68	M49	Z	.285	.285	0	%100
69	M50	X	-.117	-.117	0	%100
70	M50	Z	.068	.068	0	%100
71	M51	X	-.117	-.117	0	%100
72	M51	Z	.068	.068	0	%100
73	MP1A	X	-.352	-.352	0	%100
74	MP1A	Z	.203	.203	0	%100
75	MP2A	X	-.352	-.352	0	%100
76	MP2A	Z	.203	.203	0	%100
77	MP3A	X	-.352	-.352	0	%100
78	MP3A	Z	.203	.203	0	%100
79	MP4A	X	-.352	-.352	0	%100
80	MP4A	Z	.203	.203	0	%100
81	MP4B	X	-.352	-.352	0	%100
82	MP4B	Z	.203	.203	0	%100
83	MP1B	X	-.352	-.352	0	%100
84	MP1B	Z	.203	.203	0	%100
85	MP2B	X	-.352	-.352	0	%100
86	MP2B	Z	.203	.203	0	%100
87	MP3B	X	-.352	-.352	0	%100
88	MP3B	Z	.203	.203	0	%100
89	MP3C	X	-.352	-.352	0	%100
90	MP3C	Z	.203	.203	0	%100
91	MP2C	X	-.352	-.352	0	%100
92	MP2C	Z	.203	.203	0	%100
93	MP1C	X	-.352	-.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	.203	.203	0	%100
95	MP4C	X	-.352	-.352	0	%100
96	MP4C	Z	.203	.203	0	%100
97	SP12	X	-.321	-.321	0	%100
98	SP12	Z	.185	.185	0	%100
99	M75	X	-.106	-.106	0	%100
100	M75	Z	.061	.061	0	%100
101	M76	X	-.106	-.106	0	%100
102	M76	Z	.061	.061	0	%100
103	M77	X	-.426	-.426	0	%100
104	M77	Z	.246	.246	0	%100
105	M96	X	-.519	-.519	0	%100
106	M96	Z	.3	.3	0	%100
107	M97	X	-.13	-.13	0	%100
108	M97	Z	.075	.075	0	%100
109	M98	X	-.13	-.13	0	%100
110	M98	Z	.075	.075	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.152	-.152	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.77	-.77	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.77	-.77	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M10	X	-.454	-.454	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.32	-.32	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-.77	-.77	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.198	-.198	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-.449	-.449	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.152	-.152	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.77	-.77	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.77	-.77	0	%100
30	M19	Z	0	0	0	%100
31	M24	X	-.454	-.454	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.77	-.77	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-.198	-.198	0	%100
36	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	0	0	0	%100
38	M27	Z	0	0	0	%100
39	M28	X	-.32	-.32	0	%100
40	M28	Z	0	0	0	%100
41	M29	X	-.449	-.449	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-.609	-.609	0	%100
44	M30	Z	0	0	0	%100
45	M31	X	-.77	-.77	0	%100
46	M31	Z	0	0	0	%100
47	M32	X	0	0	0	%100
48	M32	Z	0	0	0	%100
49	M33	X	-.77	-.77	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-.77	-.77	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-1.022	-1.022	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-.77	-.77	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-1.022	-1.022	0	%100
60	M42	Z	0	0	0	%100
61	M46	X	-.435	-.435	0	%100
62	M46	Z	0	0	0	%100
63	M47	X	-.435	-.435	0	%100
64	M47	Z	0	0	0	%100
65	M48	X	-.000116	-.000116	0	%100
66	M48	Z	0	0	0	%100
67	M49	X	-.421	-.421	0	%100
68	M49	Z	0	0	0	%100
69	M50	X	-.421	-.421	0	%100
70	M50	Z	0	0	0	%100
71	M51	X	-.000116	-.000116	0	%100
72	M51	Z	0	0	0	%100
73	MP1A	X	-.406	-.406	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-.406	-.406	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-.406	-.406	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-.406	-.406	0	%100
80	MP4A	Z	0	0	0	%100
81	MP4B	X	-.406	-.406	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1B	X	-.406	-.406	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-.406	-.406	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-.406	-.406	0	%100
88	MP3B	Z	0	0	0	%100
89	MP3C	X	-.406	-.406	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-.406	-.406	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.406	-.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-.406	-.406	0	%100
96	MP4C	Z	0	0	0	%100
97	SP12	X	-.37	-.37	0	%100
98	SP12	Z	0	0	0	%100
99	M75	X	0	0	0	%100
100	M75	Z	0	0	0	%100
101	M76	X	-.369	-.369	0	%100
102	M76	Z	0	0	0	%100
103	M77	X	-.369	-.369	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	-.449	-.449	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	0	0	0	%100
108	M97	Z	0	0	0	%100
109	M98	X	-.449	-.449	0	%100
110	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.13	-.13	0	%100
2	M1	Z	-.075	-.075	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.222	-.222	0	%100
6	M3	Z	-.128	-.128	0	%100
7	M4	X	-.889	-.889	0	%100
8	M4	Z	-.513	-.513	0	%100
9	M5	X	-.222	-.222	0	%100
10	M5	Z	-.128	-.128	0	%100
11	M10	X	-.524	-.524	0	%100
12	M10	Z	-.302	-.302	0	%100
13	M11	X	-.222	-.222	0	%100
14	M11	Z	-.128	-.128	0	%100
15	M12	X	-.004	-.004	0	%100
16	M12	Z	-.002	-.002	0	%100
17	M13	X	-.222	-.222	0	%100
18	M13	Z	-.128	-.128	0	%100
19	M14	X	-.004	-.004	0	%100
20	M14	Z	-.002	-.002	0	%100
21	M15	X	-.519	-.519	0	%100
22	M15	Z	-.299	-.299	0	%100
23	M16	X	-.395	-.395	0	%100
24	M16	Z	-.228	-.228	0	%100
25	M17	X	-.222	-.222	0	%100
26	M17	Z	-.128	-.128	0	%100
27	M18	X	-.222	-.222	0	%100
28	M18	Z	-.128	-.128	0	%100
29	M19	X	-.889	-.889	0	%100
30	M19	Z	-.513	-.513	0	%100
31	M24	X	-.131	-.131	0	%100
32	M24	Z	-.076	-.076	0	%100
33	M25	X	-.889	-.889	0	%100
34	M25	Z	-.513	-.513	0	%100
35	M26	X	-.612	-.612	0	%100
36	M26	Z	-.353	-.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.222	-.222	0	%100
38	M27	Z	-.128	-.128	0	%100
39	M28	X	-.717	-.717	0	%100
40	M28	Z	-.414	-.414	0	%100
41	M29	X	-.13	-.13	0	%100
42	M29	Z	-.075	-.075	0	%100
43	M30	X	-.395	-.395	0	%100
44	M30	Z	-.228	-.228	0	%100
45	M31	X	-.889	-.889	0	%100
46	M31	Z	-.513	-.513	0	%100
47	M32	X	-.222	-.222	0	%100
48	M32	Z	-.128	-.128	0	%100
49	M33	X	-.222	-.222	0	%100
50	M33	Z	-.128	-.128	0	%100
51	M38	X	-.131	-.131	0	%100
52	M38	Z	-.076	-.076	0	%100
53	M39	X	-.222	-.222	0	%100
54	M39	Z	-.128	-.128	0	%100
55	M40	X	-.717	-.717	0	%100
56	M40	Z	-.414	-.414	0	%100
57	M41	X	-.889	-.889	0	%100
58	M41	Z	-.513	-.513	0	%100
59	M42	X	-.612	-.612	0	%100
60	M42	Z	-.353	-.353	0	%100
61	M46	X	-.13	-.13	0	%100
62	M46	Z	-.075	-.075	0	%100
63	M47	X	-.494	-.494	0	%100
64	M47	Z	-.285	-.285	0	%100
65	M48	X	-.117	-.117	0	%100
66	M48	Z	-.068	-.068	0	%100
67	M49	X	-.117	-.117	0	%100
68	M49	Z	-.068	-.068	0	%100
69	M50	X	-.494	-.494	0	%100
70	M50	Z	-.285	-.285	0	%100
71	M51	X	-.13	-.13	0	%100
72	M51	Z	-.075	-.075	0	%100
73	MP1A	X	-.352	-.352	0	%100
74	MP1A	Z	-.203	-.203	0	%100
75	MP2A	X	-.352	-.352	0	%100
76	MP2A	Z	-.203	-.203	0	%100
77	MP3A	X	-.352	-.352	0	%100
78	MP3A	Z	-.203	-.203	0	%100
79	MP4A	X	-.352	-.352	0	%100
80	MP4A	Z	-.203	-.203	0	%100
81	MP4B	X	-.352	-.352	0	%100
82	MP4B	Z	-.203	-.203	0	%100
83	MP1B	X	-.352	-.352	0	%100
84	MP1B	Z	-.203	-.203	0	%100
85	MP2B	X	-.352	-.352	0	%100
86	MP2B	Z	-.203	-.203	0	%100
87	MP3B	X	-.352	-.352	0	%100
88	MP3B	Z	-.203	-.203	0	%100
89	MP3C	X	-.352	-.352	0	%100
90	MP3C	Z	-.203	-.203	0	%100
91	MP2C	X	-.352	-.352	0	%100
92	MP2C	Z	-.203	-.203	0	%100
93	MP1C	X	-.352	-.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-.203	-.203	0	%100
95	MP4C	X	-.352	-.352	0	%100
96	MP4C	Z	-.203	-.203	0	%100
97	SP12	X	-.321	-.321	0	%100
98	SP12	Z	-.185	-.185	0	%100
99	M75	X	-.106	-.106	0	%100
100	M75	Z	-.061	-.061	0	%100
101	M76	X	-.426	-.426	0	%100
102	M76	Z	-.246	-.246	0	%100
103	M77	X	-.106	-.106	0	%100
104	M77	Z	-.061	-.061	0	%100
105	M96	X	-.13	-.13	0	%100
106	M96	Z	-.075	-.075	0	%100
107	M97	X	-.13	-.13	0	%100
108	M97	Z	-.075	-.075	0	%100
109	M98	X	-.519	-.519	0	%100
110	M98	Z	-.3	-.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	X	-.225	-.225	0	%100
2	M1	Z	-.389	-.389	0	%100
3	M2	X	-.076	-.076	0	%100
4	M2	Z	-.132	-.132	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.385	-.385	0	%100
8	M4	Z	-.667	-.667	0	%100
9	M5	X	-.385	-.385	0	%100
10	M5	Z	-.667	-.667	0	%100
11	M10	X	-.227	-.227	0	%100
12	M10	Z	-.393	-.393	0	%100
13	M11	X	-.385	-.385	0	%100
14	M11	Z	-.667	-.667	0	%100
15	M12	X	-.099	-.099	0	%100
16	M12	Z	-.172	-.172	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.16	-.16	0	%100
20	M14	Z	-.277	-.277	0	%100
21	M15	X	-.225	-.225	0	%100
22	M15	Z	-.389	-.389	0	%100
23	M16	X	-.304	-.304	0	%100
24	M16	Z	-.527	-.527	0	%100
25	M17	X	-.385	-.385	0	%100
26	M17	Z	-.667	-.667	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.385	-.385	0	%100
30	M19	Z	-.667	-.667	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.385	-.385	0	%100
34	M25	Z	-.667	-.667	0	%100
35	M26	X	-.511	-.511	0	%100
36	M26	Z	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
37	M27	X	-.385	-.385	0	%100
38	M27	Z	-.667	-.667	0	%100
39	M28	X	-.511	-.511	0	%100
40	M28	Z	-.885	-.885	0	%100
41	M29	X	0	0	0	%100
42	M29	Z	0	0	0	%100
43	M30	X	-.076	-.076	0	%100
44	M30	Z	-.132	-.132	0	%100
45	M31	X	-.385	-.385	0	%100
46	M31	Z	-.667	-.667	0	%100
47	M32	X	-.385	-.385	0	%100
48	M32	Z	-.667	-.667	0	%100
49	M33	X	0	0	0	%100
50	M33	Z	0	0	0	%100
51	M38	X	-.227	-.227	0	%100
52	M38	Z	-.393	-.393	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.16	-.16	0	%100
56	M40	Z	-.277	-.277	0	%100
57	M41	X	-.385	-.385	0	%100
58	M41	Z	-.667	-.667	0	%100
59	M42	X	-.099	-.099	0	%100
60	M42	Z	-.172	-.172	0	%100
61	M46	X	-5.8e-5	-5.8e-5	0	%100
62	M46	Z	-.0001	-.0001	0	%100
63	M47	X	-.21	-.21	0	%100
64	M47	Z	-.364	-.364	0	%100
65	M48	X	-.21	-.21	0	%100
66	M48	Z	-.364	-.364	0	%100
67	M49	X	-5.8e-5	-5.8e-5	0	%100
68	M49	Z	-.0001	-.0001	0	%100
69	M50	X	-.217	-.217	0	%100
70	M50	Z	-.376	-.376	0	%100
71	M51	X	-.217	-.217	0	%100
72	M51	Z	-.376	-.376	0	%100
73	MP1A	X	-.203	-.203	0	%100
74	MP1A	Z	-.352	-.352	0	%100
75	MP2A	X	-.203	-.203	0	%100
76	MP2A	Z	-.352	-.352	0	%100
77	MP3A	X	-.203	-.203	0	%100
78	MP3A	Z	-.352	-.352	0	%100
79	MP4A	X	-.203	-.203	0	%100
80	MP4A	Z	-.352	-.352	0	%100
81	MP4B	X	-.203	-.203	0	%100
82	MP4B	Z	-.352	-.352	0	%100
83	MP1B	X	-.203	-.203	0	%100
84	MP1B	Z	-.352	-.352	0	%100
85	MP2B	X	-.203	-.203	0	%100
86	MP2B	Z	-.352	-.352	0	%100
87	MP3B	X	-.203	-.203	0	%100
88	MP3B	Z	-.352	-.352	0	%100
89	MP3C	X	-.203	-.203	0	%100
90	MP3C	Z	-.352	-.352	0	%100
91	MP2C	X	-.203	-.203	0	%100
92	MP2C	Z	-.352	-.352	0	%100
93	MP1C	X	-.203	-.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
94	MP1C	Z	-.352	-.352	0	%100
95	MP4C	X	-.203	-.203	0	%100
96	MP4C	Z	-.352	-.352	0	%100
97	SP12	X	-.185	-.185	0	%100
98	SP12	Z	-.321	-.321	0	%100
99	M75	X	-.184	-.184	0	%100
100	M75	Z	-.319	-.319	0	%100
101	M76	X	-.184	-.184	0	%100
102	M76	Z	-.319	-.319	0	%100
103	M77	X	0	0	0	%100
104	M77	Z	0	0	0	%100
105	M96	X	0	0	0	%100
106	M96	Z	0	0	0	%100
107	M97	X	-.225	-.225	0	%100
108	M97	Z	-.389	-.389	0	%100
109	M98	X	-.225	-.225	0	%100
110	M98	Z	-.389	-.389	0	%100

Member Distributed Loads (BLC 81 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M2	Y	-12.582	-12.582	1.042	4.167
2	M48	Y	-1.304	-5.165	0	2.243
3	M48	Y	-5.165	-9.026	2.243	4.486
4	M49	Y	-1.274	-5.169	0	2.243
5	M49	Y	-5.169	-9.063	2.243	4.486
6	M16	Y	-19.996	-5.169	1.042	4.167
7	M50	Y	-1.304	-5.165	0	2.243
8	M50	Y	-5.165	-9.026	2.243	4.486
9	M51	Y	-1.274	-5.169	0	2.243
10	M51	Y	-5.169	-9.063	2.243	4.486
11	M30	Y	-19.996	-5.169	1.042	4.167
12	M46	Y	-1.304	-5.165	0	2.243
13	M46	Y	-5.165	-9.026	2.243	4.486
14	M47	Y	-1.274	-5.169	0	2.243
15	M47	Y	-5.169	-9.063	2.243	4.486

Member Distributed Loads (BLC 82 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	Y	-2.187	-2.187	11.056	11.475
2	M15	Y	-2.188	-2.188	1.024	1.443
3	M16	Y	-.696	-4.672	0	.833
4	M16	Y	-4.672	-10.549	.833	1.667
5	M16	Y	-10.549	-16.334	1.667	2.5
6	M16	Y	-16.334	-12.147	2.5	3.333
7	M16	Y	-12.147	-.696	3.333	4.167
8	M17	Y	-2.151	-2.151	0	.25
9	M18	Y	-1.957	-1.942	0	.526
10	M18	Y	-1.942	-1.927	.526	1.052
11	M19	Y	-2.152	-2.152	0	.25
12	M24	Y	-1.396	-4.528	0	1.017
13	M24	Y	-4.528	-3.203	1.017	2.033
14	M24	Y	-3.203	-3.196	2.033	3.05
15	M24	Y	-3.196	-4.52	3.05	4.067
16	M24	Y	-4.52	-1.401	4.067	5.083
17	M26	Y	-1.353	-1.353	.038	.252
18	M28	Y	-1.353	-1.353	.038	.252

Member Distributed Loads (BLC 82 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
19	M50	Y	-.668	-5.527	0	.897
20	M50	Y	-5.527	-8.384	.897	1.794
21	M50	Y	-8.384	-9.783	1.794	2.692
22	M50	Y	-9.783	-8.177	2.692	3.589
23	M50	Y	-8.177	-3.025	3.589	4.486
24	M51	Y	-.673	-5.523	0	.897
25	M51	Y	-5.523	-8.38	.897	1.794
26	M51	Y	-8.38	-9.779	1.794	2.692
27	M51	Y	-9.779	-8.174	2.692	3.589
28	M51	Y	-8.174	-3.03	3.589	4.486
29	M15	Y	-2.187	-2.187	11.056	11.475
30	M29	Y	-2.188	-2.188	1.024	1.443
31	M30	Y	-.696	-4.672	0	.833
32	M30	Y	-4.672	-10.549	.833	1.667
33	M30	Y	-10.549	-16.334	1.667	2.5
34	M30	Y	-16.334	-12.147	2.5	3.333
35	M30	Y	-12.147	-.696	3.333	4.167
36	M31	Y	-2.151	-2.151	0	.25
37	M32	Y	-1.957	-1.942	0	.526
38	M32	Y	-1.942	-1.927	.526	1.052
39	M33	Y	-2.152	-2.152	0	.25
40	M38	Y	-1.396	-4.528	0	1.017
41	M38	Y	-4.528	-3.203	1.017	2.033
42	M38	Y	-3.203	-3.196	2.033	3.05
43	M38	Y	-3.196	-4.52	3.05	4.067
44	M38	Y	-4.52	-1.401	4.067	5.083
45	M40	Y	-1.353	-1.353	.038	.252
46	M42	Y	-1.353	-1.353	.038	.252
47	M46	Y	-.668	-5.527	0	.897
48	M46	Y	-5.527	-8.384	.897	1.794
49	M46	Y	-8.384	-9.783	1.794	2.692
50	M46	Y	-9.783	-8.177	2.692	3.589
51	M46	Y	-8.177	-3.025	3.589	4.486
52	M47	Y	-.673	-5.523	0	.897
53	M47	Y	-5.523	-8.38	.897	1.794
54	M47	Y	-8.38	-9.779	1.794	2.692
55	M47	Y	-9.779	-8.174	2.692	3.589
56	M47	Y	-8.174	-3.03	3.589	4.486
57	M1	Y	-2.187	-2.187	1.025	1.444
58	M2	Y	-.696	-4.672	0	.833
59	M2	Y	-4.672	-10.549	.833	1.667
60	M2	Y	-10.549	-16.334	1.667	2.5
61	M2	Y	-16.334	-12.147	2.5	3.333
62	M2	Y	-12.147	-.696	3.333	4.167
63	M3	Y	-2.153	-2.153	0	.25
64	M4	Y	-1.927	-1.942	0	.526
65	M4	Y	-1.942	-1.957	.526	1.052
66	M5	Y	-2.151	-2.151	0	.25
67	M10	Y	-1.401	-4.52	0	1.017
68	M10	Y	-4.52	-3.196	1.017	2.033
69	M10	Y	-3.196	-3.203	2.033	3.05
70	M10	Y	-3.203	-4.528	3.05	4.067
71	M10	Y	-4.528	-1.396	4.067	5.083
72	M12	Y	-1.353	-1.353	.038	.252
73	M14	Y	-1.353	-1.353	.038	.252
74	M29	Y	-2.188	-2.188	11.057	11.476
75	M48	Y	-.673	-5.523	0	.897

Member Distributed Loads (BLC 82 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
76	M48	Y	-5.523	-8.38	.897	1.794
77	M48	Y	-8.38	-9.779	1.794	2.692
78	M48	Y	-9.779	-8.174	2.692	3.589
79	M48	Y	-8.174	-3.03	3.589	4.486
80	M49	Y	-.668	-5.527	0	.897
81	M49	Y	-5.527	-8.384	.897	1.794
82	M49	Y	-8.384	-9.783	1.794	2.692
83	M49	Y	-9.783	-8.177	2.692	3.589
84	M49	Y	-8.177	-3.025	3.589	4.486

Member Distributed Loads (BLC 83 : BLC 2 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M2	Y	-13.464	-13.464	1.042	4.167
2	M48	Y	-1.396	-5.527	0	2.243
3	M48	Y	-5.527	-9.658	2.243	4.486
4	M49	Y	-1.364	-5.531	0	2.243
5	M49	Y	-5.531	-9.698	2.243	4.486
6	M16	Y	-21.397	-5.531	1.042	4.167
7	M50	Y	-1.396	-5.527	0	2.243
8	M50	Y	-5.527	-9.658	2.243	4.486
9	M51	Y	-1.364	-5.531	0	2.243
10	M51	Y	-5.531	-9.698	2.243	4.486
11	M30	Y	-21.397	-5.531	1.042	4.167
12	M46	Y	-1.396	-5.527	0	2.243
13	M46	Y	-5.527	-9.658	2.243	4.486
14	M47	Y	-1.364	-5.531	0	2.243
15	M47	Y	-5.531	-9.698	2.243	4.486

Member Distributed Loads (BLC 84 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
1	M1	Y	-2.185	-2.185	11.056	11.475
2	M15	Y	-2.185	-2.185	1.024	1.443
3	M16	Y	-.695	-4.667	0	.833
4	M16	Y	-4.667	-10.536	.833	1.667
5	M16	Y	-10.536	-16.315	1.667	2.5
6	M16	Y	-16.315	-12.133	2.5	3.333
7	M16	Y	-12.133	-.695	3.333	4.167
8	M17	Y	-2.148	-2.148	0	.25
9	M18	Y	-1.954	-1.94	0	.526
10	M18	Y	-1.94	-1.925	.526	1.052
11	M19	Y	-2.15	-2.15	0	.25
12	M24	Y	-1.394	-4.522	0	1.017
13	M24	Y	-4.522	-3.199	1.017	2.033
14	M24	Y	-3.199	-3.192	2.033	3.05
15	M24	Y	-3.192	-4.515	3.05	4.067
16	M24	Y	-4.515	-1.399	4.067	5.083
17	M26	Y	-1.351	-1.351	.038	.252
18	M28	Y	-1.351	-1.351	.038	.252
19	M50	Y	-.667	-5.521	0	.897
20	M50	Y	-5.521	-8.374	.897	1.794
21	M50	Y	-8.374	-9.771	1.794	2.692
22	M50	Y	-9.771	-8.168	2.692	3.589
23	M50	Y	-8.168	-3.021	3.589	4.486
24	M51	Y	-.672	-5.516	0	.897
25	M51	Y	-5.516	-8.37	.897	1.794
26	M51	Y	-8.37	-9.767	1.794	2.692

Member Distributed Loads (BLC 84 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
27	M51	Y	-9.767	-8.164	2.692	3.589
28	M51	Y	-8.164	-3.026	3.589	4.486
29	M15	Y	-2.185	-2.185	11.056	11.475
30	M29	Y	-2.185	-2.185	1.024	1.443
31	M30	Y	-.695	-4.667	0	.833
32	M30	Y	-4.667	-10.536	.833	1.667
33	M30	Y	-10.536	-16.315	1.667	2.5
34	M30	Y	-16.315	-12.133	2.5	3.333
35	M30	Y	-12.133	-.695	3.333	4.167
36	M31	Y	-2.148	-2.148	0	.25
37	M32	Y	-1.954	-1.94	0	.526
38	M32	Y	-1.94	-1.925	.526	1.052
39	M33	Y	-2.15	-2.15	0	.25
40	M38	Y	-1.394	-4.522	0	1.017
41	M38	Y	-4.522	-3.199	1.017	2.033
42	M38	Y	-3.199	-3.192	2.033	3.05
43	M38	Y	-3.192	-4.515	3.05	4.067
44	M38	Y	-4.515	-1.399	4.067	5.083
45	M40	Y	-1.351	-1.351	.038	.252
46	M42	Y	-1.351	-1.351	.038	.252
47	M46	Y	-.667	-5.521	0	.897
48	M46	Y	-5.521	-8.374	.897	1.794
49	M46	Y	-8.374	-9.771	1.794	2.692
50	M46	Y	-9.771	-8.168	2.692	3.589
51	M46	Y	-8.168	-3.021	3.589	4.486
52	M47	Y	-.672	-5.516	0	.897
53	M47	Y	-5.516	-8.37	.897	1.794
54	M47	Y	-8.37	-9.767	1.794	2.692
55	M47	Y	-9.767	-8.164	2.692	3.589
56	M47	Y	-8.164	-3.026	3.589	4.486
57	M1	Y	-2.185	-2.185	1.025	1.444
58	M2	Y	-.695	-4.667	0	.833
59	M2	Y	-4.667	-10.536	.833	1.667
60	M2	Y	-10.536	-16.315	1.667	2.5
61	M2	Y	-16.315	-12.133	2.5	3.333
62	M2	Y	-12.133	-.695	3.333	4.167
63	M3	Y	-2.15	-2.15	0	.25
64	M4	Y	-1.925	-1.94	0	.526
65	M4	Y	-1.94	-1.954	.526	1.052
66	M5	Y	-2.148	-2.148	0	.25
67	M10	Y	-1.399	-4.515	0	1.017
68	M10	Y	-4.515	-3.192	1.017	2.033
69	M10	Y	-3.192	-3.199	2.033	3.05
70	M10	Y	-3.199	-4.522	3.05	4.067
71	M10	Y	-4.522	-1.394	4.067	5.083
72	M12	Y	-1.351	-1.351	.038	.252
73	M14	Y	-1.351	-1.351	.038	.252
74	M29	Y	-2.185	-2.185	11.057	11.476
75	M48	Y	-.672	-5.516	0	.897
76	M48	Y	-5.516	-8.37	.897	1.794
77	M48	Y	-8.37	-9.767	1.794	2.692
78	M48	Y	-9.767	-8.164	2.692	3.589
79	M48	Y	-8.164	-3.026	3.589	4.486
80	M49	Y	-.667	-5.521	0	.897
81	M49	Y	-5.521	-8.374	.897	1.794
82	M49	Y	-8.374	-9.771	1.794	2.692
83	M49	Y	-9.771	-8.168	2.692	3.589

Member Distributed Loads (BLC 84 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[ft,%]
84	M49	Y	-8.168	-3.021	3.589	4.486

Member Area Loads (BLC 1 : Antenna D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N77	N3	N76		Y	Two Way	-.01
2	N80	N25	N79		Y	Two Way	-.01
3	N74	N47	N73		Y	Two Way	-.01

Member Area Loads (BLC 2 : Antenna Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N77	N3	N76		Y	Two Way	-.011
2	N80	N25	N79		Y	Two Way	-.011
3	N74	N47	N73		Y	Two Way	-.011

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N28	N29	N40	N39	Y	Two Way	-.01
2	N50	N51	N62	N61	Y	Two Way	-.01
3	N7	N6	N17	N18	Y	Two Way	-.01

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N28	N29	N40	N39	Y	Two Way	-.01
2	N50	N51	N62	N61	Y	Two Way	-.01
3	N7	N6	N17	N18	Y	Two Way	-.01

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	N4	m...	1447.526	10	2442.02	17	903.874	1	-1.065	11	1.258	8	4.258	17
2		min	-1414.675	4	1110.812	11	-931.971	7	-2.512	29	-1.331	2	1.727	11
3	N26	m...	1306.034	9	2398.304	21	1120.843	1	-.948	3	1.238	12	-1.749	49
4		min	-1299.089	3	1098.494	3	-1070.886	7	-2.468	45	-1.301	6	-4.056	21
5	N48	m...	907.542	10	2604.311	13	1796.672	1	4.808	13	1.153	4	.095	5
6		min	-945.986	4	1126.198	43	-1818.532	7	1.942	7	-1.229	10	-.084	23
7	Totals:	m...	3597.395	10	7365.711	16	3821.389	1						
8		min	-3597.394	4	3672.256	11	-3821.389	7						

Envelope AISC 14th(360-10): LRFD Steel Code Checks

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [...	phi*Mn y-...	phi*Mn ...	Cb	Eqn
1	MP3C	PIPE_2.0	.454	3.573	9	.112	3.573		6	17855.085	32130	1.872	1.872	1.6...	H1-1b
2	MP3B	PIPE_2.0	.443	3.646	5	.115	.583		8	17855.085	32130	1.872	1.872	1.82	H1-1b
3	MP3A	PIPE_2.0	.436	3.719	1	.112	3.719		10	17855.085	32130	1.872	1.872	1.8...	H1-1b
4	M2	HSS4X4X4	.319	5.208	14	.101	5.208	y	34	124544....	139518	16.181	16.181	3.8...	H1-1b
5	M30	HSS4X4X4	.314	5.208	22	.074	5.208	y	24	124544....	139518	16.181	16.181	3.8...	H1-1b
6	M16	HSS4X4X4	.309	5.208	18	.100	5.208	y	45	124544....	139518	16.181	16.181	3.85	H1-1b
7	MP2B	PIPE_2.0	.213	3.5	5	.045	3.5		1	17855.085	32130	1.872	1.872	1.7...	H1-1b
8	MP2C	PIPE_2.0	.212	3.5	9	.044	3.5		4	17855.085	32130	1.872	1.872	1.7...	H1-1b
9	MP2A	PIPE_2.0	.210	3.646	1	.044	3.646		8	17855.085	32130	1.872	1.872	1.9...	H1-1b
10	M47	L2x2x3	.203	0	12	.015	4.486	z	18	8516.644	23392.8	.558	1.239	2.5...	H2-1
11	M46	L2x2x3	.201	0	2	.015	4.486	y	20	8516.644	23392.8	.558	1.239	2.5...	H2-1
12	M48	L2x2x3	.199	0	6	.015	4.486	y	24	8516.644	23392.8	.558	1.239	2.5...	H2-1

Envelope AISC 14th(360-10): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [...	phi*Mn y-...	phi*Mn ...	Cb	Eqn
13	M51	L2x2x3	.199	0	8	.015	4.486	z	14	8516.644	23392.8	.558	1.239	2.5...	H2-1
14	M49	L2x2x3	.197	0	3	.015	4.486	z	22	8516.644	23392.8	.558	1.239	2.4...	H2-1
15	M50	L2x2x3	.194	0	10	.015	4.486	y	16	8516.644	23392.8	.558	1.239	2.5...	H2-1
16	MP1C	PIPE_2.0	.194	3.646	19	.034	3.719		1	17855.085	32130	1.872	1.872	1.7...	H1-1b
17	MP4A	PIPE_2.0	.193	3.5	15	.046	3.5		2	17855.085	32130	1.872	1.872	1.8...	H1-1b
18	MP1A	PIPE_2.0	.187	3.5	8	.044	3.5		9	17855.085	32130	1.872	1.872	1.7...	H1-1b
19	MP4C	PIPE_2.0	.182	3.5	9	.045	3.5		10	17855.085	32130	1.872	1.872	1.6...	H1-1b
20	MP4B	PIPE_2.0	.181	3.427	19	.046	3.427		6	17855.085	32130	1.872	1.872	2.0...	H1-1b
21	MP1B	PIPE_2.0	.173	3.427	12	.035	3.5		7	17855.085	32130	1.872	1.872	2.2...	H1-1b
22	M10	HSS4X4X4	.161	2.542	18	.061	2.542	y	29	125217....	139518	16.181	16.181	1.3...	H1-1b
23	M38	HSS4X4X4	.159	2.542	18	.059	2.542	y	23	125217....	139518	16.181	16.181	1.3...	H1-1b
24	M24	HSS4X4X4	.159	2.542	14	.059	2.542	y	19	125217....	139518	16.181	16.181	1.3...	H1-1b
25	M41	PL1/2x6	.139	.085	6	.197	.292	y	13	94237.273	97200	1.012	12.15	2.1...	H1-1b
26	M27	PL1/2x6	.135	.085	2	.197	.292	y	21	94237.273	97200	1.012	12.15	2.1...	H1-1b
27	M13	PL1/2x6	.130	.085	10	.201	.292	y	17	94237.273	97200	1.012	12.15	2.2...	H1-1b
28	M12	PL1/2x6	.127	.381	6	.174	.381	y	21	92191.715	97200	1.012	12.15	1.4...	H1-1b
29	M40	PL1/2x6	.126	.381	2	.177	.381	y	17	92191.715	97200	1.012	12.15	1.4...	H1-1b
30	M39	PL1/2x6	.125	.085	2	.194	.292	y	14	94237.273	97200	1.012	12.15	2.2...	H1-1b
31	M11	PL1/2x6	.123	.085	6	.198	.292	y	30	94237.273	97200	1.012	12.15	2.3...	H1-1b
32	M26	PL1/2x6	.119	.381	10	.173	.381	y	13	92191.715	97200	1.012	12.15	1.42	H1-1b
33	M25	PL1/2x6	.118	.085	10	.193	.292	y	22	94237.273	97200	1.012	12.15	2.35	H1-1b
34	M32	PL1/2x6	.117	.526	2	.086	1.052	y	15	64974.917	97200	1.012	12.15	1.4...	H1-1b
35	M4	PL1/2x6	.116	.526	6	.093	.526	y	49	64974.917	97200	1.012	12.15	1.3...	H1-1b
36	M18	PL1/2x6	.110	.526	10	.103	.526	y	50	64974.917	97200	1.012	12.15	1.3...	H1-1b
37	M29	PIPE_3.0	.106	4.427	15	.073	8.203		9	28250.554	65205	5.749	5.749	2.0...	H1-1b
38	M77	PIPE_2.5	.102	4.427	17	.036	8.594		10	14558.792	50715	3.596	3.596	2.1...	H1-1b
39	M15	PIPE_3.0	.101	4.427	23	.073	8.203		5	28250.554	65205	5.749	5.749	1.9...	H1-1b
40	M76	PIPE_2.5	.100	4.427	13	.038	8.464		6	14558.792	50715	3.596	3.596	2.1...	H1-1b
41	M75	PIPE_2.5	.098	8.464	17	.040	8.464		2	14558.792	50715	3.596	3.596	1.9...	H1-1b
42	M14	PL1/2x6	.087	.381	2	.137	.381	y	18	92191.715	97200	1.012	12.15	1.3...	H1-1b
43	M28	PL1/2x6	.081	.381	6	.144	.381	y	22	92191.715	97200	1.012	12.15	1.4...	H1-1b
44	M42	PL1/2x6	.079	.381	10	.144	.381	y	14	92191.715	97200	1.012	12.15	1.4...	H1-1b
45	M1	PIPE_3.0	.079	8.464	10	.072	8.203		1	28250.554	65205	5.749	5.749	2.0...	H1-1b
46	M96	L3X3X4	.077	0	7	.011	0	z	50	43569.373	46656	1.688	3.756	2.22	H2-1
47	M97	L3X3X4	.067	0	11	.010	0	z	4	43569.373	46656	1.688	3.756	2.23	H2-1
48	M98	L3X3X4	.066	0	3	.010	0	z	8	43569.373	46656	1.688	3.756	2.2...	H2-1
49	SP12	PIPE_2.0	.060	2	5	.037	2		3	26521.424	32130	1.872	1.872	1.8...	H1-1b
50	M5	PL1/2x6	.035	0	6	.060	0	y	49	95014.386	97200	1.012	12.15	1.3...	H1-1b
51	M33	PL1/2x6	.035	0	2	.027	.125	y	49	95014.386	97200	1.012	12.15	1.34	H1-1b
52	M3	PL1/2x6	.034	.125	8	.024	.125	y	49	95014.386	97200	1.012	12.15	1.6...	H1-1b
53	M19	PL1/2x6	.033	0	10	.037	.125	y	50	95014.386	97200	1.012	12.15	1.3...	H1-1b
54	M31	PL1/2x6	.030	.125	4	.012	.25	y	3	95014.386	97200	1.012	12.15	1.7...	H1-1b
55	M17	PL1/2x6	.030	.125	12	.072	.25	y	50	95014.386	97200	1.012	12.15	1.65	H1-1b

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2021740.469190.02

Bolt Information		
Bolt Diameter (d)	0.625	in
Net Tensile Area (An)	0.226	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	6	in
Bolt Distance Left-Right	6	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

Flange Information		
Height (h)	8	in
Width (w)	8	in
Thickness (t)	0.75	in
Steel Grade	A36	
Plate Yield Strength (Fy)	36	ksi
Support Arm Height	4	in
Support Arm Width	4	in

RISA 3D Reactions		
Moment (M)	4.86	k-ft
Axial (T)	0.30	kips
Shear (V)	2.44	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	27.120	kips
Nominal Shear Strength (R_{nv})	18.41	kips
Bolt Tensile Force (T_{ub})	6.80	kips
Bolt Shear Force (V_{ub})	0.611	kips
$T_{ub}/\phi R_{nt}$	0.33417	
$V_{ub}/\phi R_{nv}$	0.04422	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.11363	
Bolt Capacity =	33.4%	OK

Plate Capacity		
Bolt Circle (D_{BC})	8.485	in
Effective Width (B_{eff})	6.07	in
Flexural Moment (M_u)	11.02	k-in
Flexural Strength ($ØM_n$)	27.66	k-in
Plate Capacity=	39.8%	OK

Weld Capacity		
Fillet (leg) =	0.375	in
Throat (eff) =	0.27	in
Fexx =	70.00	ksi
ø =	0.75	
øRn =	8.35	kips/in
Weld Capacity=	38.6%	OK

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact TES immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by TES.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the TES certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the TES Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the TES certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

-Safety climb cable is not present at this location and has been escalated to Verizon Wireless and the Tower owner for remediation.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 46 1 -VZW - MERIDEN HANOVER CT

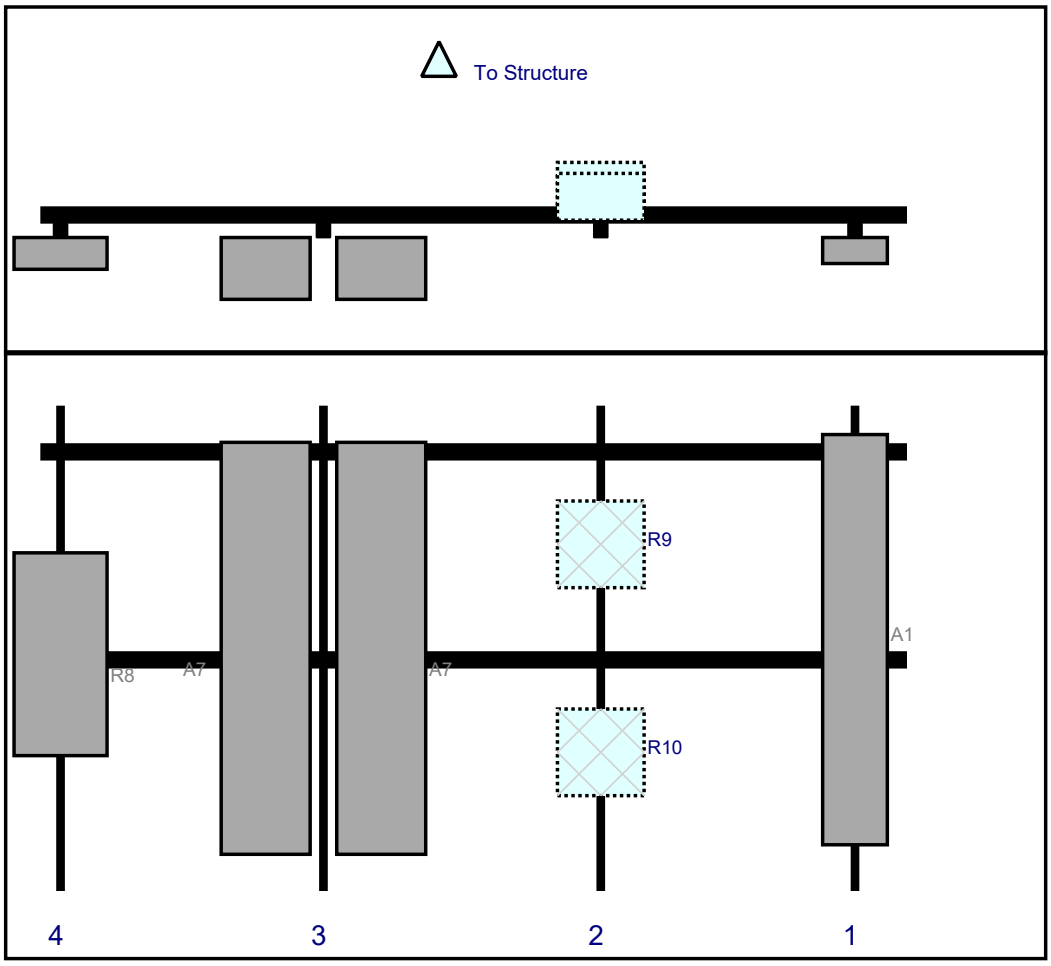
Sector: **A** 6/24/2021

Structure Type: Monopole 10058986

Mount Elev: 65.00 Page: 1

Plan View

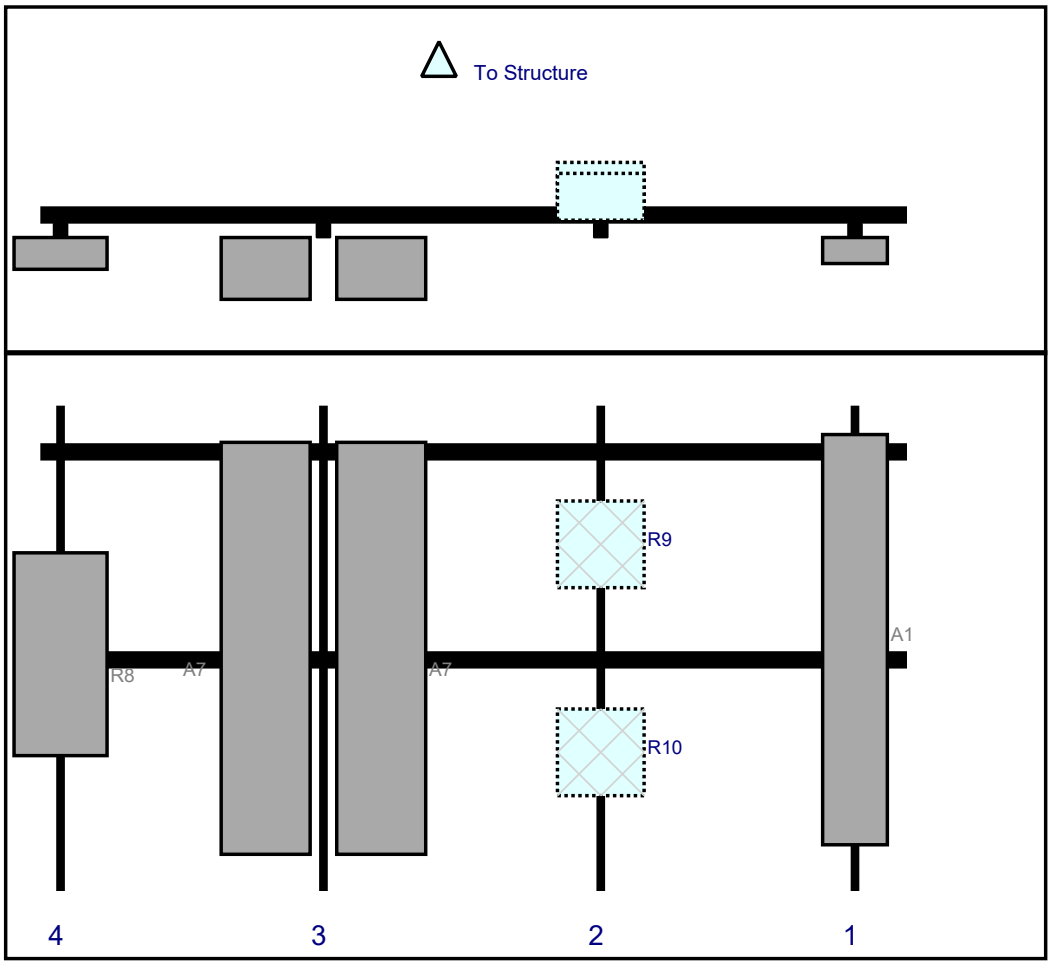
Front View
Looking at Structure



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
A1	BXA-70063/6CF	71	11.2	141	1	a	Front	40.5	0	Retained	04/14/2021
R9	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	97	2	a	Behind	24	0	Added	
R10	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	97	2	a	Behind	60	0	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	a	Front	42	-10	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	b	Front	42	10	Added	
R8	MT6407-77A	35.1	16.1	3.5	4	a	Front	43.02	0	Added	

Plan View

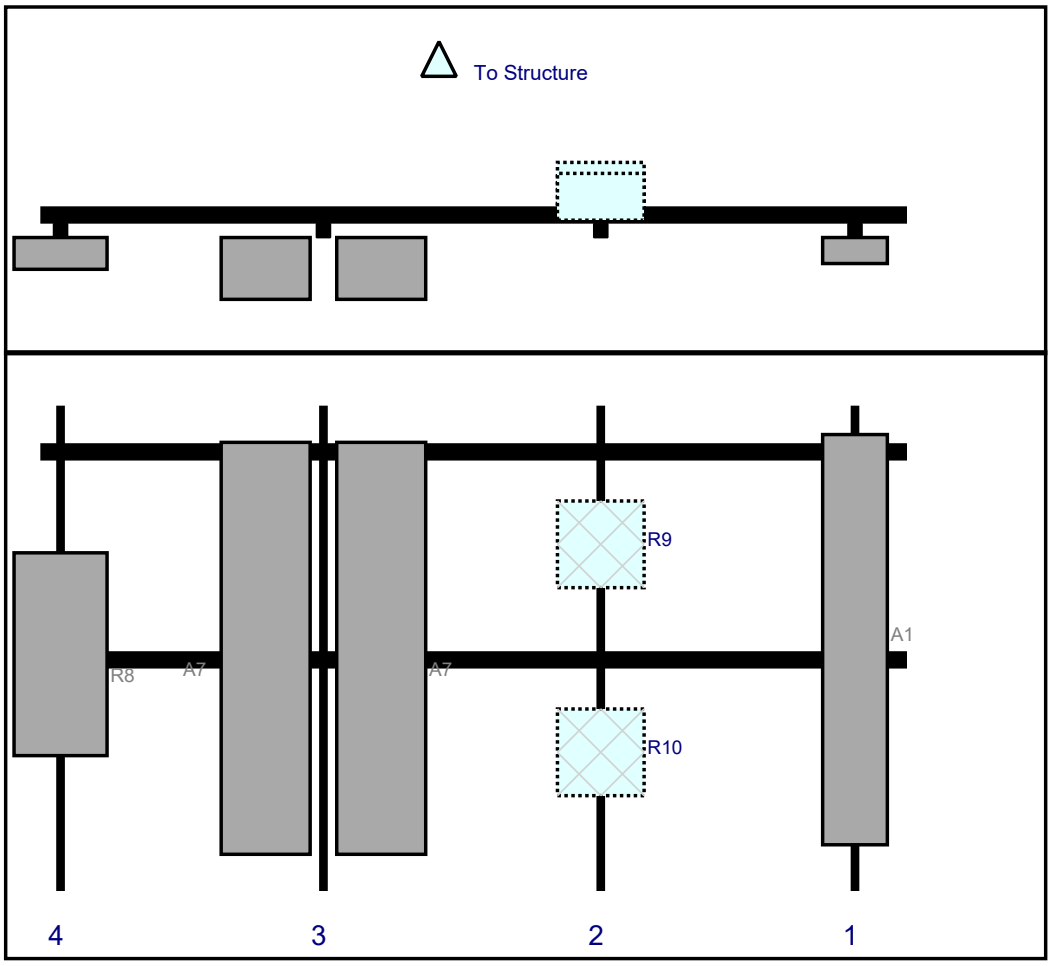
Front View
Looking at Structure



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
A1	BXA-70063/6CF	71	11.2	141	1	a	Front	40.5	0	Retained	04/14/2021
R9	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	97	2	a	Behind	24	0	Added	
R10	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	97	2	a	Behind	60	0	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	a	Front	42	-10	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	b	Front	42	10	Added	
R8	MT6407-77A	35.1	16.1	3.5	4	a	Front	43.02	0	Added	

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
R9	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	97	2	a	Behind	24	0	Added	
R10	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	97	2	a	Behind	60	0	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	a	Front	42	-10	Added	
A7	MX06FRO660-02	71.3	15.4	49	3	b	Front	42	10	Added	
R8	MT6407-77A	35.1	16.1	3.5	4	a	Front	43.02	0	Added	
A1	BXA-70063/6CF	71	11.2	141	1	a	Front	40.5	0	Retained	04/14/2021

GPD Engineering and Architecture
Professional Corporation

June 24, 2021
2021740.469190.02

Subject	TIA-222-H Usage
Site Information	Site ID: *469190-VZW / MERIDEN HANOVER CT* Site Name: *MERIDEN HANOVER CT* Carrier Name: Verizon Wireless Address: Meriden, Connecticut 06451, New Haven County Latitude: 41.540067° Longitude: -72.819183°
Structure Information	Tower Type: Monopole Mount Type: 12.50-Ft Platform Mount

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

GPD Group

Christopher J. Scheks, P.E.
Connecticut #: 30026

MERIDEN HANOVER CT

SITE #: 469190

SMART TOOL PROJECT #: 10080484

verizon

MOUNT INFORMATION:

MOUNT TYPE:	12'-6" PLATFORM
SITE LOCATION:	
LAT.:	41.540067°
LONG.:	-72.819183°
STREET ADDRESS:	450-478 WEST MAIN ST
CITY, STATE ZIP:	MERIDEN, CT 06451
COUNTY:	NEW HAVEN

CODE COMPLIANCE:

GOVERNING CODES:	TIA-222-H
WIND SPEEDS:	119 MPH 3-SECOND GUST 50 MPH 3-SECOND GUST (W/ ICE)
ICE THICKNESS:	1"
RISK CATEGORY:	II
EXPOSURE CATEGORY:	B
TOPO CATEGORY:	1

SEISMIC CRITERIA:

SITE CLASS:	D
RESPONSE COEFFICIENT (R):	2
1-SECOND SPECTRAL RESPONSE ACCELERATION (S_1) :	0.055
SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S_S):	0.202

PROJECT CONTACTS:

MASER CONSULTING CONTACT:

PETER ALBANO

PETER.ALBANO@COLLIERSENGINEERING.COM

(856) 371-9457

PROJECT #: 21777777

ENGINEER CONTACT:

GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION

520 SOUTH MAIN STREET, SUITE 2531

AKRON, OH 44311

(330)572-2100

FOR QUESTIONS PLEASE EMAIL: GPDMODS@GPDGROUP.COM

SHEET INDEX:

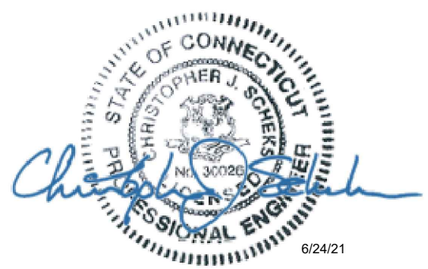
CONTRACTOR PMI REQUIREMENTS:

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10080484
VZW LOCATION CODE (PSLC):	469190
FUZE ID:	16227612

REFERENCED DOCUMENTS:

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10058986
GPD PROJECT #:	2021740.469190.01
ANALYSIS DATE:	6/16/2021



6/24/21

GPD Engineering and Architecture Professional Corporation

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DESIGN DRAWINGS PREPARED FOR:

verizon

MERIDEN HANOVER CT
SITE #: 469190

DESIGN DRAWINGS PREPARED FOR:

verizon

SMART TOOL PROJECT #: 10080484

REV	DATE	DESCRIPTION
0	6/24/21	INITIAL RELEASE

MERIDEN HANOVER CT
450-478 WEST MAIN ST
MERIDEN, CT 06451

TITLE SHEET

ISSUED FOR:	
PERMIT	6/24/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

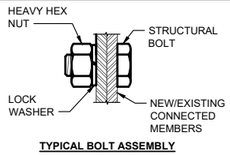
JOB NO.
2021740.469190.02

T-01

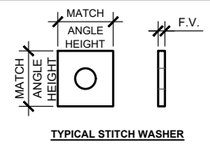
MODIFICATION INSPECTION CHECKLIST

REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
		PRE-CONSTRUCTION
X	PACKING SLIPS	ANY RECEIPT OF PURCHASE FOR THE MODIFICATION MATERIAL IS ACCEPTABLE.
X	CERTIFICATE OF CONFORMANCE	ALL PRE-ENGINEERED KITS, PARTS, AND/OR ASSEMBLIES PURCHASED FROM REPUTABLE SUPPLIERS SHALL HAVE A SITE SPECIFIC CERTIFICATE OF CONFORMANCE PROVIDED TO CONFIRM ACCEPTABILITY.
X	MATERIAL TEST REPORT (CUSTOM ORDERED OR FABRICATED HARDWARE ONLY)	ALL HARDWARE NOT SPECIFICALLY PROVIDED AS A PRE-ENGINEERED KIT, PART, AND/OR ASSEMBLY SHALL REQUIRE MTR'S TO VERIFY ACCEPTABILITY.
X	EXISTING MOUNT(S)	PHOTOS OF ALL SECTORS (WHERE APPLICABLE) PRIOR TO MODIFICATIONS.
X	HARDWARE PRIOR TO INSTALLATION	PHOTOS OF ALL HARDWARE BEFORE BEING INSTALLED ON THE MOUNT(S).
X	NDT - ALL FULL PENETRATION OR WELDS > 5/16"	AWS STAMPED REPORT REQUIRED. WELDING REQUIREMENTS NOT APPLICABLE FOR PRE-ENGINEERED KITS, PARTS OR ASSEMBLIES FROM REPUTABLE SUPPLIERS.
X	FABRICATOR CERTIFIED WELD INSPECTION	
X	WELDER'S CERTIFICATIONS	
		POST-CONSTRUCTION
X	ON SITE COLD GALVANIZING VERIFICATION (IF APPLICABLE, SEE STRUCTURAL STEEL NOTE #2)	ANY DAMAGE TO THE TOWER SHALL BE REPAIRED IN ACCORDANCE WITH STRUCTURAL STEEL NOTE #2.
X	GC AS-BUILT DRAWINGS	ALL DEVIATIONS TO THE DRAWINGS THAT WERE FOUND MUST BE CLEARLY MARKED AND APPROVED BY THE EOR.
X	MEMBER SIZES	NEW MEMBERS SHALL BE VERIFIED WITH A TAPE MEASURE, CALIPERS, THICKNESS GAUGE, OR OTHER STANDARD INDUSTRY EQUIPMENT.
X	CONNECTION HARDWARE	BOLT SIZE (VIA CALIPERS), FIT-UP, LOCKING MECHANISMS, AND TIGHTNESS SHALL ALL BE VERIFIED AND DOCUMENTED.
X	CRITICAL DIMENSIONS	ALL DIMENSIONS SPECIFICALLY CALLED OUT IN THE DRAWING PACKAGE SHALL BE VERIFIED WITH A TAPE MEASURE. THIS INCLUDES MEMBER LENGTHS, HORIZONTAL AND/OR VERTICAL OFFSETS, SPACING REQUIREMENTS, ETC.
X	FINAL INSTALLED CONFIGURATION	THE COMPLETE MODIFIED CONDITION SHALL BE INSPECTED TO ENSURE FULL CONFORMANCE WITH THE DESIGN DRAWINGS.

BOLTING DETAILS



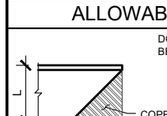
TYPICAL BOLT ASSEMBLY



TYPICAL STITCH WASHER

BOLT SCHEDULE

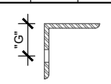
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	C-C SPACING
1/2	9/16	9/16x11/16	7/8	1-1/2
5/8	11/16	11/16x7/8	1-1/8	1-7/8
3/4	13/16	13/16x1	1-1/4	2-1/4
7/8	15/16	15/16x1-1/8	1-1/2	2-5/8
1	1-1/8	1-1/8x1-5/16	1-3/4	3



-DIMENSIONS GIVEN IN INCHES
-SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED ON THE PLANS

WORKABLE GAGES

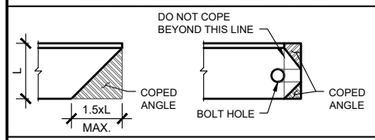
LEG	4	3-1/2	3	2-1/2	2	1-3/4
G	2-1/2	2	1-3/4	1-3/8	1-1/8	1

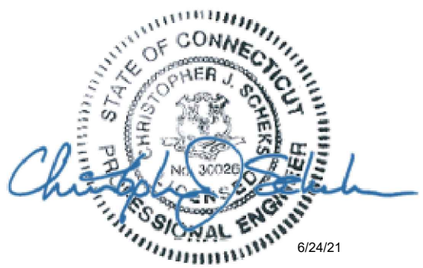


-DIMENSIONS GIVEN IN INCHES
-MATCH EXISTING WHEN APPLICABLE

NOTES:
1. ALL DIMENSIONS REPRESENTED IN THESE 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. AS AN ALTERNATIVE TO USING A LOCK WASHER PAL-NUTS CAN BE INSTALLED ABOVE THE HEX NUT. ALL BOLTS MUST HAVE LOCKING DEVICES INSTALLED AS PART OF THE ASSEMBLY.
4. ADDITIONAL HARDENED FLAT WASHERS MAY BE REQUIRED IN CASES WHERE OVERSIZED OR SLOTTED HOLES ARE PRESENT. EXISTING CONDITIONS SHALL BE APPROVED BY THE EOR.

ALLOWABLE ANGLE COPE





6/24/21

GENERAL NOTES

1. THIS DESIGN IS IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222, AWS, ANSI TIA-322, AND AISC. MATERIALS, FABRICATION, INSTALLATION, AND ALL OTHER SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND THE CONTRACT SPECIFICATIONS.
2. THIS DESIGN ASSUMES THE TOWER AND MOUNTS HAVE BEEN WELL MAINTAINED, ARE IN GOOD CONDITION, AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBERS, LOOSE BOLTS, CRACKED WELDS AND OTHER MEMBER DEFECTS HAVE NOT BEEN CONSIDERED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED TO BE LEVEL. THIS DESIGN IS BEING PROVIDED WITHOUT THE BENEFIT OF A CONDITION ASSESSMENT BY GPD.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING; ANY PROBLEMS WITH ACCESS, INTERFERENCE, ETC. SHALL BE RESOLVED PRIOR TO MOBILIZATION. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOTE ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS OR THAT INTERFERE WITH THE CONTINUOUS INSTALLATION OF THE MODIFICATIONS. CONTRACTOR SHALL NOTE ALL ATTACHMENT POINTS, ANTENNAS, MOUNTS, COAX, LIGHTING, CLIMBING SUPPORTS, STEP BOLTS, PORT HOLES, AND ANY OTHER APPURTENANCES IN THE REGION OF THE MODIFICATIONS. GPD SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE SIGNIFICANCE OF ANY DEVIATION PRIOR TO ORDERING MATERIAL.
4. ALL MATERIAL SPECIFIED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZES AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR DETERMINING IF SUBSTITUTE IS SUITABLE FOR USE AND MEETS THE 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.
5. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MODIFICATION INSPECTOR AT THE TIME OF AWARD TO COORDINATE AN INSPECTION SCHEDULE AND ENSURE PROPER DOCUMENTATION IS RETAINED THROUGHOUT THE PROJECT. REFER TO THE MODIFICATION INSPECTION TABLES ON THIS SHEET.
6. INSTALLATION OF THE PROPOSED LOADING IS BY OTHERS AND IS BEYOND THE SCOPE OF THESE DRAWINGS.
7. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO TOWER OWNER AND GPD THAT THEY HAVE OBTAINED, UNDERSTAND, AND WILL FOLLOW TOWER OWNER STANDARDS OF PRACTICE, CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES, ALL PRODUCT LIMITATIONS AND INSTALLATION PROCEDURES USED ON SITE, AND PROPOSED MODIFICATIONS DESCRIBED. RECEIPT OF ACKNOWLEDGMENT MUST OCCUR PRIOR TO BEGINNING CONSTRUCTION OR CLIMBING. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THIS DOCUMENTATION FOR TOWER OWNER AND GPD ON COMPANY LETTERHEAD AND THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN THIS DOCUMENTATION FROM LOWER TIER SUBCONTRACTORS (ON SUBCONTRACTOR LETTERHEAD) AND DELIVER IT TO TOWER OWNER AND GPD.
8. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE. THIS INCLUDES PROVIDING THE NECESSARY CERTIFICATIONS TO THE TOWER OWNER AND ENGINEER.
9. THESE DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
10. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THEIR WORK FORCE, THE WORK AREA, ADJACENT AREA, AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. THE CONTRACTOR SHALL REVIEW AND ABIDE BY ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES. ALL TOWER WORKERS SHALL UTILIZE APPROPRIATE FALL PROTECTION AND SAFETY EQUIPMENT THAT IS UP-TO-DATE AND INSPECTED PER OSHA AND INDUSTRY GUIDELINES. ALL WORKERS SHALL BE TRAINED AND MONITORED TO ENSURE SAFE WORKING PRACTICES ARE MAINTAINED.
11. CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING ALL COAX, T-BRACKETS, ANTENNA MOUNTS, AND ANY OTHER APPURTENANCE THAT MAY INTERFERE WITH THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACED AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATIONS TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOMIZATIONS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVING SUCH ATTACHMENTS. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE TOWER OWNER IN WRITING.
12. CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY OR LEASE AREA AND APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS WITHIN THESE BOUNDARIES. CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE LAND OWNER PRIOR TO MOBILIZATION. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. THE STRUCTURAL INTEGRITY OF THIS DESIGN EXTENDS TO THE COMPLETE CONDITION ONLY. THE CONTRACTOR MUST BE COGNIZANT THAT THE REMOVAL OF ANY STRUCTURAL COMPONENT HAS THE POTENTIAL TO CAUSE THE PARTIAL OR COMPLETE COLLAPSE OF THE STRUCTURE. ALL NECESSARY PRECAUTIONS MUST BE TAKEN TO ENSURE THE STRUCTURAL INTEGRITY, INCLUDING, BUT NOT LIMITED TO, ENGINEERING ASSESSMENT OF CONSTRUCTION STRESSES WITH INSTALLATION MAXIMUM WIND SPEED AND/OR TEMPORARY BRACING AND SHORING.
14. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 10-MPH). ALL TEMPORARY BRACING AND TEMPORARY SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
15. VERIFY IF THIS STRUCTURE IS AN FM TOWER AND TAKE NECESSARY ACTIONS TO PROVIDE SAFE WORKING CONDITIONS INCLUDING, BUT NOT LIMITED TO, HAVING FM SIGNAL TURNED OFF. CONTRACTOR SHALL HAVE PROPER RADMAN FOR NOTIFICATION OF EXCESSIVE RF EXPOSURE FOR ALL INDIVIDUALS WORKING ON SITE IF FM ANTENNAS ARE PRESENT.
16. ALL MANUFACTURERS HARDWARE AND ASSEMBLY INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. DEVIATION FROM THE INSTRUCTIONS IS UNACCEPTABLE AND REQUIRES WRITTEN APPROVAL FROM ENGINEER.
17. DO NOT SCALE DRAWINGS.
18. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL ASSOCIATED HARDWARE SHALL NOT BE IMPEDED OR MODIFIED WITHOUT THE WRITTEN CONSENT OF GPD.
19. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE.

STRUCTURAL STEEL NOTES

1. ALL NEW STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOT-DIPPED GALVANIZING IS NOT PERMITTED MAGNI 565 COATING (OR ENGINEER APPROVED EQUIVALENT) SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
2. ALL EXPOSED STRUCTURAL STEEL AS THE RESULT OF THIS SCOPE OF WORK INCLUDING, BUT NOT LIMITED TO, DAMAGED MEMBERS, FIELD WELDS, FIELD CUT MEMBERS, FIELD DRILLED HOLES, AND SHAFT INTERIORS (WHERE APPLICABLE), SHALL BE SOLVENT CLEANED AND HAVE TWO (2) COATS OF BRUSHED ON ZRC ZINC RICH COLD GALVANIZING PAINT APPLIED AND SHALL BE PAINTED TO MATCH THE TOWER FINISH (WHERE APPLICABLE). PHOTO DOCUMENTATION IS REQUIRED TO BE SUBMITTED TO THE MODIFICATION INSPECTOR.
3. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LISTED REQUIREMENTS U.N.O. IN THESE DRAWINGS:

• STEEL ANGLE:	ASTM A36 (Fy=36 KSI)
• PIPE (ROUND):	ASTM A53 GRADE B (Fy=35 KSI)
• BOLTS:	ASTM A325 TYPE 1
• THREADED RODS:	ASTM A307 GRADE A
• U-BOLTS:	ASTM A307 GRADE A
• NUTS:	ASTM A563 GRADE DH
• WASHERS (AS REQUIRED):	ASTM F436 TYPE 1
• LOCKING DEVICES:	PAL-NUT OR SPLIT WASHER

4. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222 REQUIREMENTS.
5. ALL BOLTS, INCLUDING U-BOLTS, SHALL BE TIGHTENED IN ACCORDANCE WITH AISC "SNUG TIGHT" REQUIREMENTS, U.N.O.
6. ALL U-BOLTS SPECIFIED SHALL MEET THE REQUIREMENTS OF ASME B18.31.5-2011 BENT BOLTS.
7. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
8. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORK LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
9. WELDING OF ANY KIND IS NOT PERMITTED ON SITE UNLESS SPECIFIED WITHIN THESE DRAWINGS. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING OR OPEN FLAME IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
10. FOR ALL SHOP WELDING, USE E70XX ELECTRODES FOR SMAW PROCESS AND E7XT-XX ELECTRODES FOR FCAW PROCESS, UNO.

MODIFICATION INSPECTION NOTES

GENERAL

1. THE MI IS AN ON-SITE AND HANDS-ON INSPECTION OF THE MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR (GC), AS WELL AS AND INSPECTION DOCUMENTS PROVIDED BY 3RD PARTY INSPECTORS. THE MI IS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE MODIFICATION DRAWINGS; IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY STANDARDS; AND AS DESIGNED BY THE ENGINEER OF RECORD (EOR).
2. NO DOCUMENT, CODE, OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THE CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR THE MODIFICATION INSPECTION.
3. THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, AND THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE DESIGN. THE MI INSPECTOR SHALL INSPECT AN NOTE CONFORMANCE/NON-CONFORMANCE AND PROVIDE TO THE TOWER/STRUCTURE OWNER AND EOR FOR EVALUATION.
4. TO ENSURE THAT THE REQUIREMENTS OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. CONTACT LISTED ON THE TITLE SHEET SHALL BE CONTACTED IF SPECIFIC INSPECTOR CONTACT INFORMATION IS NOT KNOWN.

FAILING INSPECTION REQUIREMENTS

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH THE MI INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
   - CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL MODIFICATION DRAWINGS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION.
   - OR, WITH TOWER OWNER APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

SERVICE LEVEL COMMITMENT

1. THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:
   - THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL E READY TO THE MI TO BE CONDUCTED.
   - THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
   - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY MINOR DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

REQUIRED PHOTOS

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
   - PRE-CONSTRUCTION GENERAL SITE CONDITION
   - PHOTOGRAPHS DURING THE MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
     - RAW MATERIALS
     - PHOTOS OF ALL CRITICAL DETAILS
     - WELD PREPARATION
     - BOLT INSTALLATION
     - FINAL INSTALLED CONDITION
     - SURFACE COATING REPAIR
   - ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DETAILS OF THE MODIFICATIONS.
2. PHOTOS OF ELEVATED MODIFICATION TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

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SMART TOOL PROJECT #: 10080484

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MERIDEN HANOVER CT
450-478 WEST MAIN ST
MERIDEN, CT 06451

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ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

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N-01

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	FIELD TRIM CORNER ANGLES TO REQUIRED LENGTH

OTHER REQUIRED KITS

NOTES:
1. 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
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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	WIRELESSSALES@PERFECT-VISION.COM
WEBSITE	WWW.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
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STATE OF CONNECTICUT
CHRISTOPHER J. SCHEKS
No. 30020
LICENSED PROFESSIONAL ENGINEER

6/24/21

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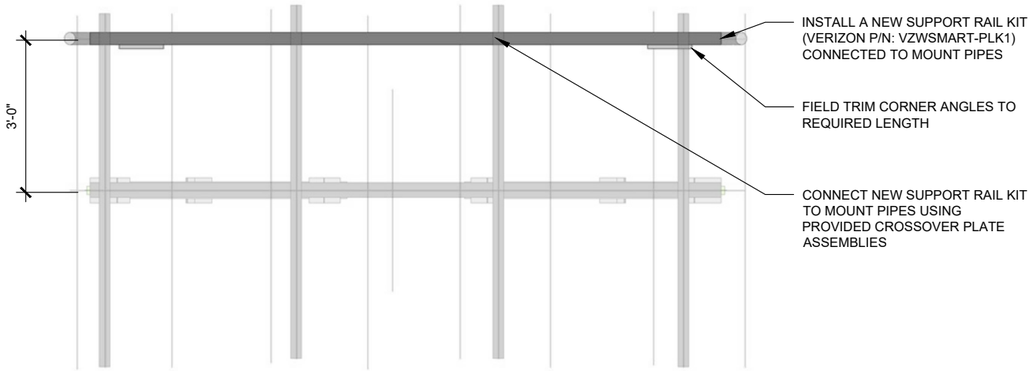
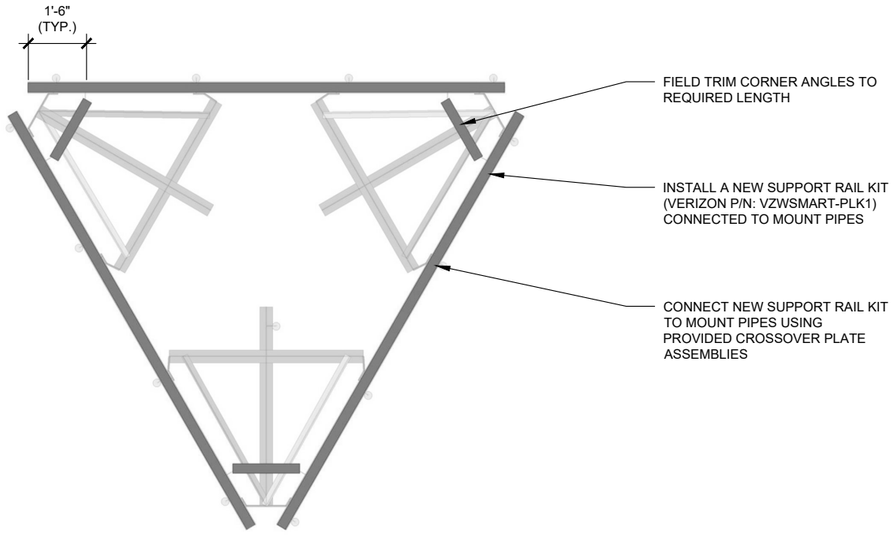
S-01



1 ELEVATION VIEW
S-02

NOTE:
1. DETAIL IS TYPICAL FOR ALL THREE SECTORS. ONLY ONE SECTOR SHOWN FOR DETAIL CLARITY.
2. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.



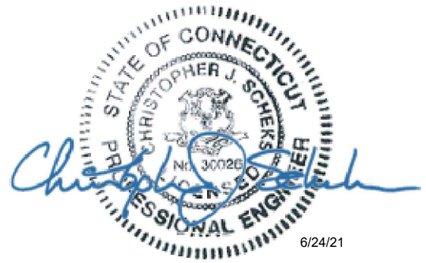
2 PLAN VIEW
S-02

NOTE:
1. DETAIL IS TYPICAL FOR ALL THREE SECTORS. ONLY ONE SECTOR SHOWN FOR DETAIL CLARITY.
2. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

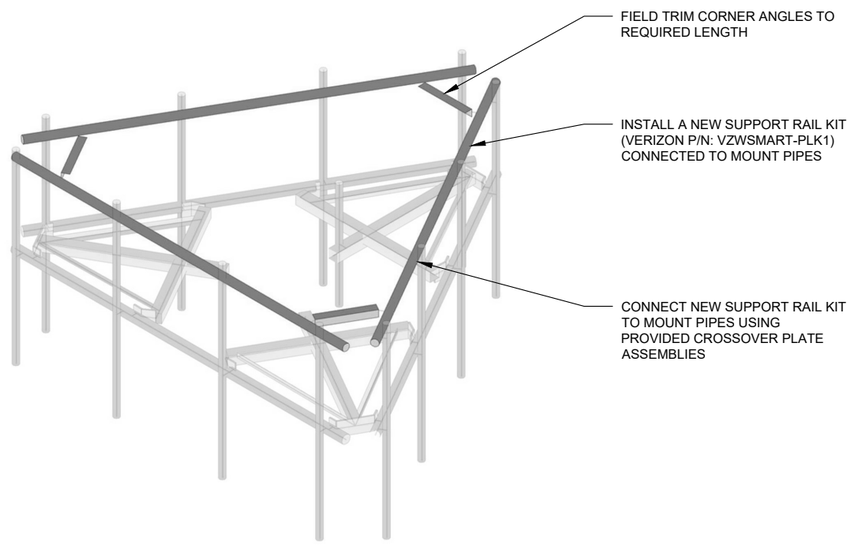
MODIFICATION SCHEDULE

MEMBER TYPE	ELEVATION	EXISTING MEMBER	NEW MEMBER	REFERENCE DETAIL/SHEET	NOTES
SUPPORT RAIL KIT	65'-0"±	12'-6" PLATFORM	SUPPORT RAIL KIT	SHEETS S-02 & S-03	INSTALL A NEW SUPPORT RAIL KIT CONNECTED TO MOUNT PIPES.

NOTES:
1. ANY SUBSTITUTION OF PARTS SPECIFIED IN THIS DESIGN PACKAGE SHALL REQUIRE ENGINEER APPROVAL PRIOR TO FABRICATION.
2. ALL MATERIAL REMOVED FROM MOUNT SHALL BE DISPOSED OF BY CONTRACTOR OFF SITE.
3. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE.



6/24/21



3 ISOMETRIC VIEW
S-02

NOTE:
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GPD Engineering and Architecture Professional Corporation
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS PREPARED FOR:
verizon
MERIDEN HANOVER CT
SITE #: 469190

DESIGN DRAWINGS PREPARED FOR:
verizon
SMART TOOL PROJECT #: 10080484

REV.	DATE	DESCRIPTION
0	6/24/21	INITIAL RELEASE

MERIDEN HANOVER CT
450-478 WEST MAIN ST
MERIDEN, CT 06451

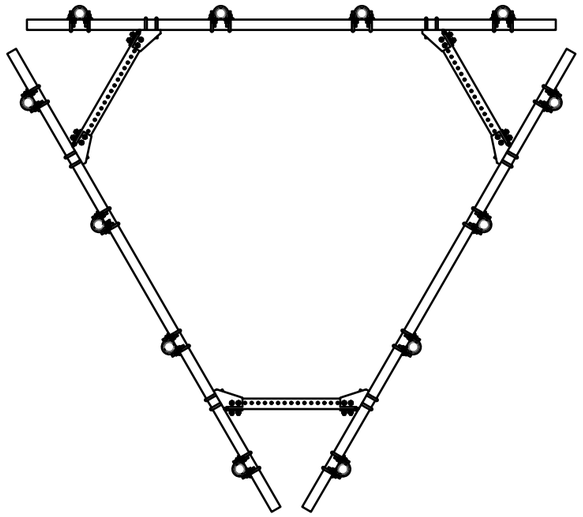
MODIFICATION SCHEDULE & DETAILS

ISSUED FOR:	
PERMIT	6/24/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.
2021740.469190.02

S-02



4
S-03
VZWSMART-PLK1 SUPPORT RAIL KIT

GPD Engineering and Architecture
Professional Corporation

520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS
PREPARED FOR:

verizon

MERIDEN HANOVER CT
SITE #: 469190

DESIGN DRAWINGS
PREPARED FOR:

verizon

SMART TOOL PROJECT #: 10080484

REV.	DATE	DESCRIPTION
0	6/24/21	INITIAL RELEASE

STATE OF CONNECTICUT
CHRISTOPHER J. SCHERER
No. 30020
LICENSED
PROFESSIONAL ENGINEER

6/24/21

ME
450-478 WEST MAIN ST
MERIDEN, CT 06451

DETAILS/PARTS

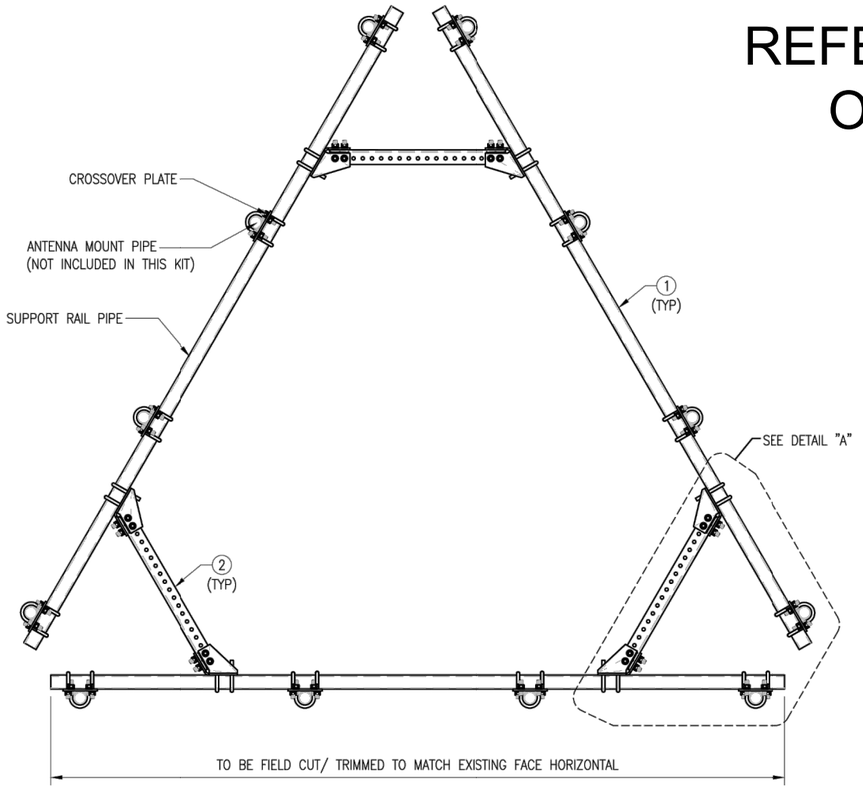
ISSUED FOR:	
PERMIT	6/24/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

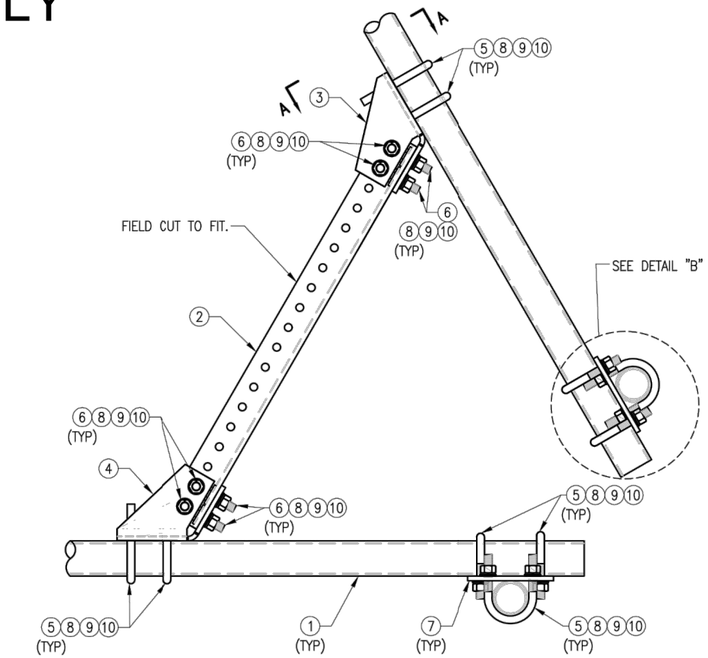
JOB NO.
2021740.469190.02

S-03

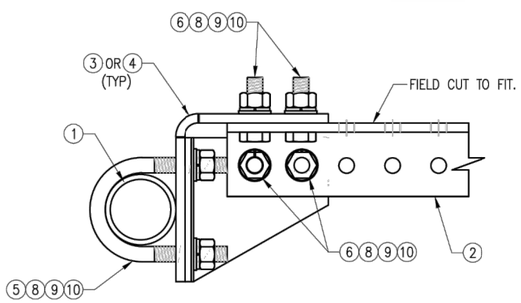
REFERENCE ONLY



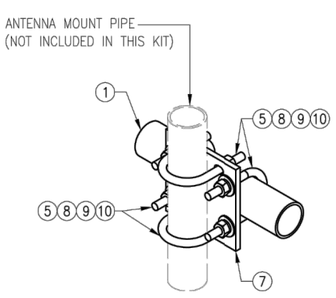
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1 | REV #: 0

GPD Engineering and Architecture Professional Corporation
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS PREPARED FOR:
verizon
MERIDEN HANOVER CT
SITE #: 469190

DESIGN DRAWINGS PREPARED FOR:
verizon
SMART TOOL PROJECT #: 10080484

REV.	DATE	DESCRIPTION
0	6/24/21	INITIAL RELEASE

MERIDEN HANOVER CT
450-478 WEST MAIN ST
MERIDEN, CT 06451

DETAILS/PARTS

ISSUED FOR:	
PERMIT	6/24/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.
2021740.469190.02

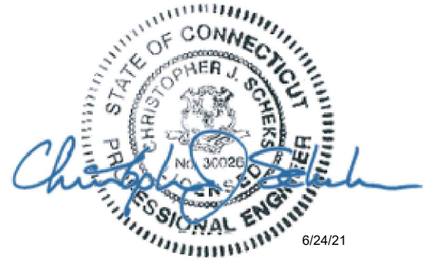
S-04

MOUNT VIEW - LEFT SIDE

MOUNT VIEW - RIGHT SIDE

MOUNT OVERALL

MOUNT OVERALL



6/24/21

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Professional Corporation

520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS PREPARED FOR:

verizon

MERIDEN HANOVER CT
SITE #: 469190

DESIGN DRAWINGS PREPARED FOR:

verizon

SMART TOOL PROJECT #: 10080484

REV	DATE	DESCRIPTION
0	6/24/21	INITIAL RELEASE

MERIDEN HANOVER CT
450-478 WEST MAIN ST
MERIDEN, CT 06451

MOUNT PHOTOS

ISSUED FOR:	
PERMIT	6/24/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.
2021740.469190.02

S-05

Exhibit F

Power Density/RF Emissions Report

Site Name: ***MERIDEN HANOVER CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	623	2494	65	0.0212
VZW Cellular	874	4	623	2494	65	0.0212
VZW PCS	1975	4	1462	5846	65	0.0498
VZW AWS	2120	4	1566	6264	65	0.0533
VZW CBAND	3730.08	4	6531	26125	65	0.2224

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Counci

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

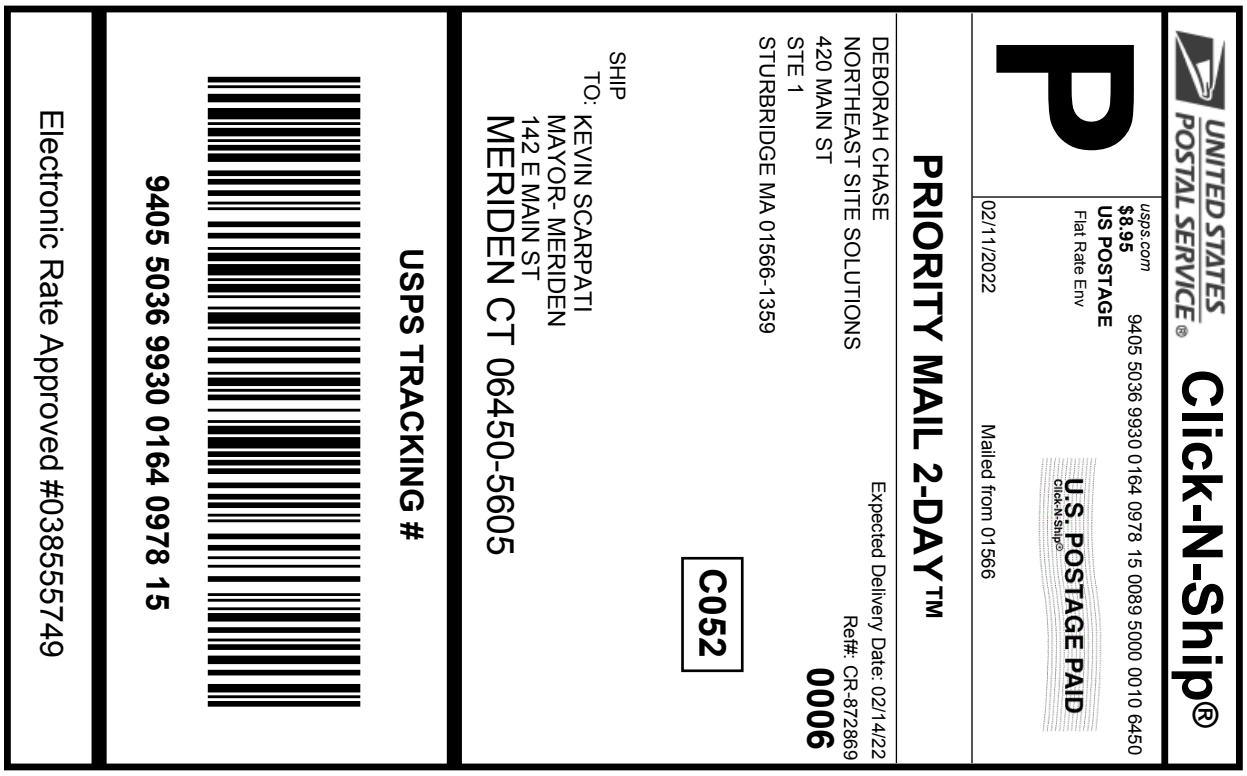
Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	4.24%
0.5827	3.64%
1.0000	4.98%
1.0000	5.33%
1.0000	22.24%
	40.43%

/IEEE C95.1-199
il's November 10, 2015 Memorandum for Exempt Modification filing

Exhibit E

Recipient Mailings



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0164 0978 15

Trans. #:	556402239
Print Date:	02/11/2022
Ship Date:	02/11/2022
Expected Delivery Date:	02/14/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

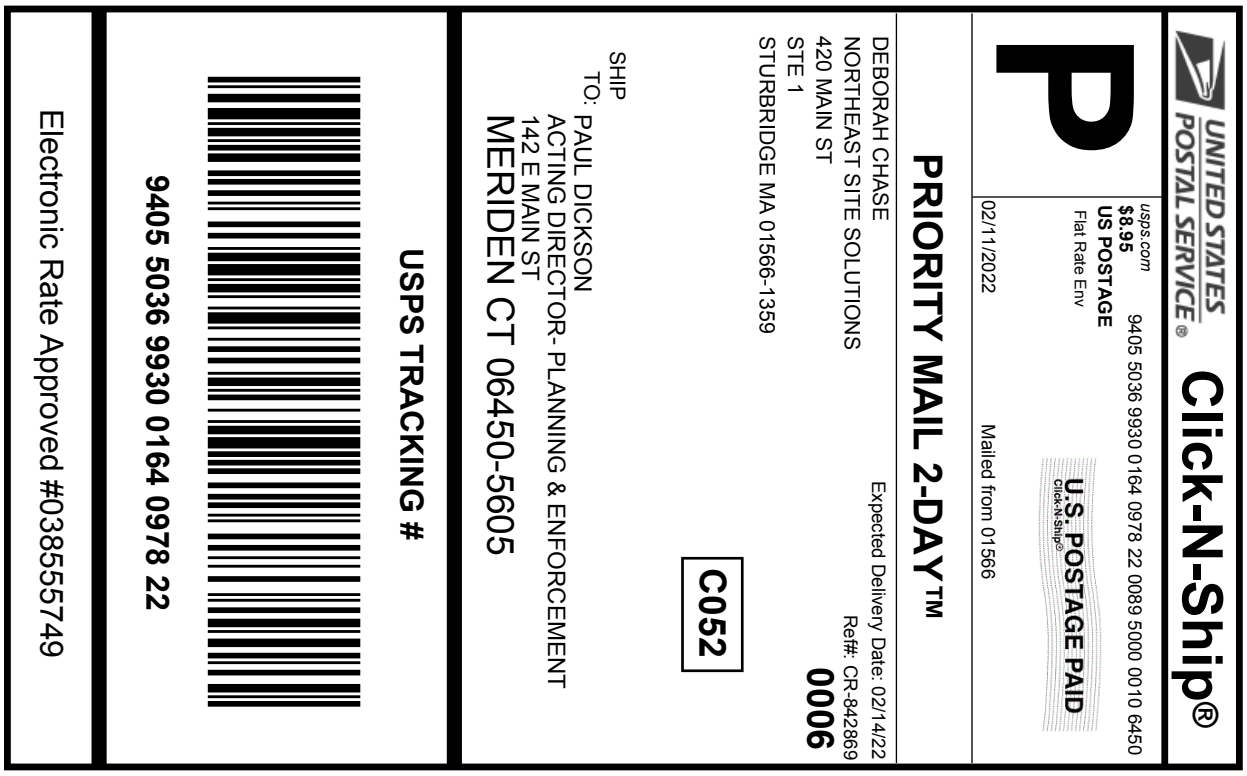
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-872869

To: KEVIN SCARPATI
MAYOR- MERIDEN
142 E MAIN ST
MERIDEN CT 06450-5605

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0164 0978 22

Trans. #:	556402239
Print Date:	02/11/2022
Ship Date:	02/11/2022
Expected Delivery Date:	02/14/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-842869

To: PAUL DICKSON
ACTING DIRECTOR- PLANNING & ENFORCEMENT
142 E MAIN ST
MERIDEN CT 06450-5605

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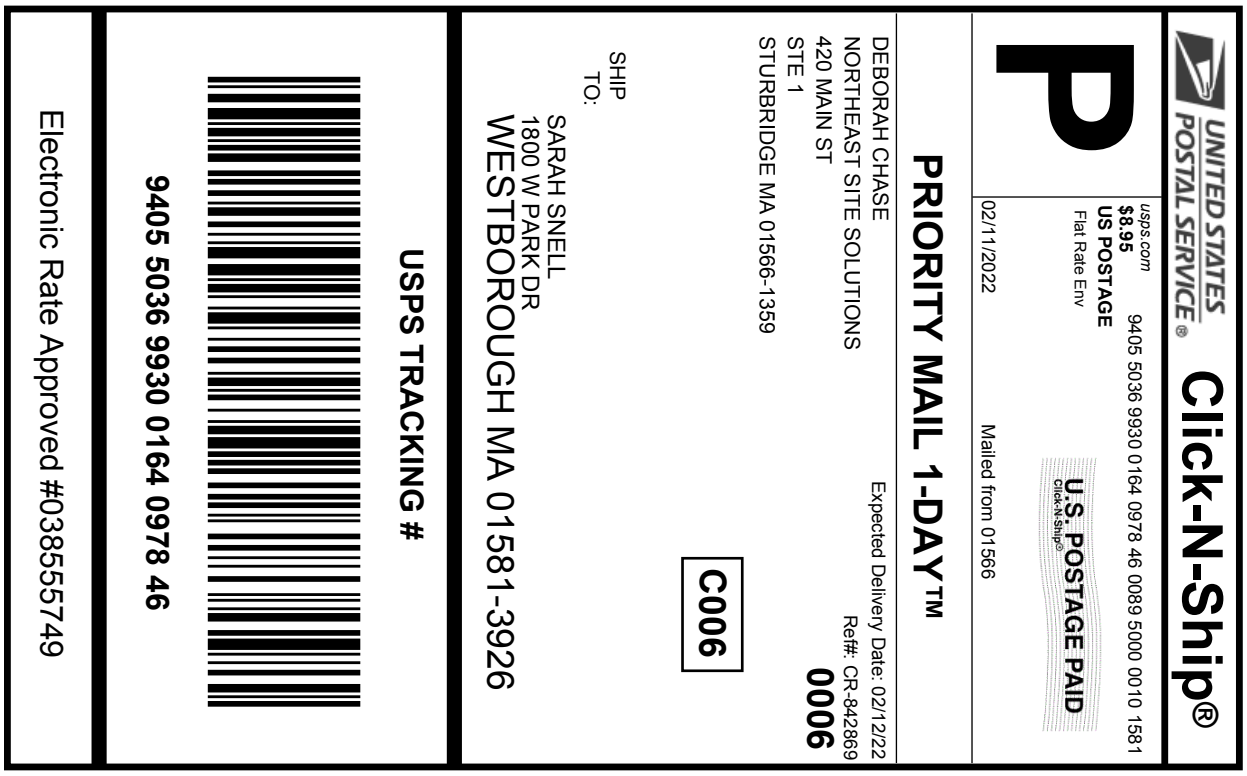

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0164 0978 46

Trans. #:	556402239
Print Date:	02/11/2022
Ship Date:	02/11/2022
Expected Delivery Date:	02/12/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-842869

To: SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

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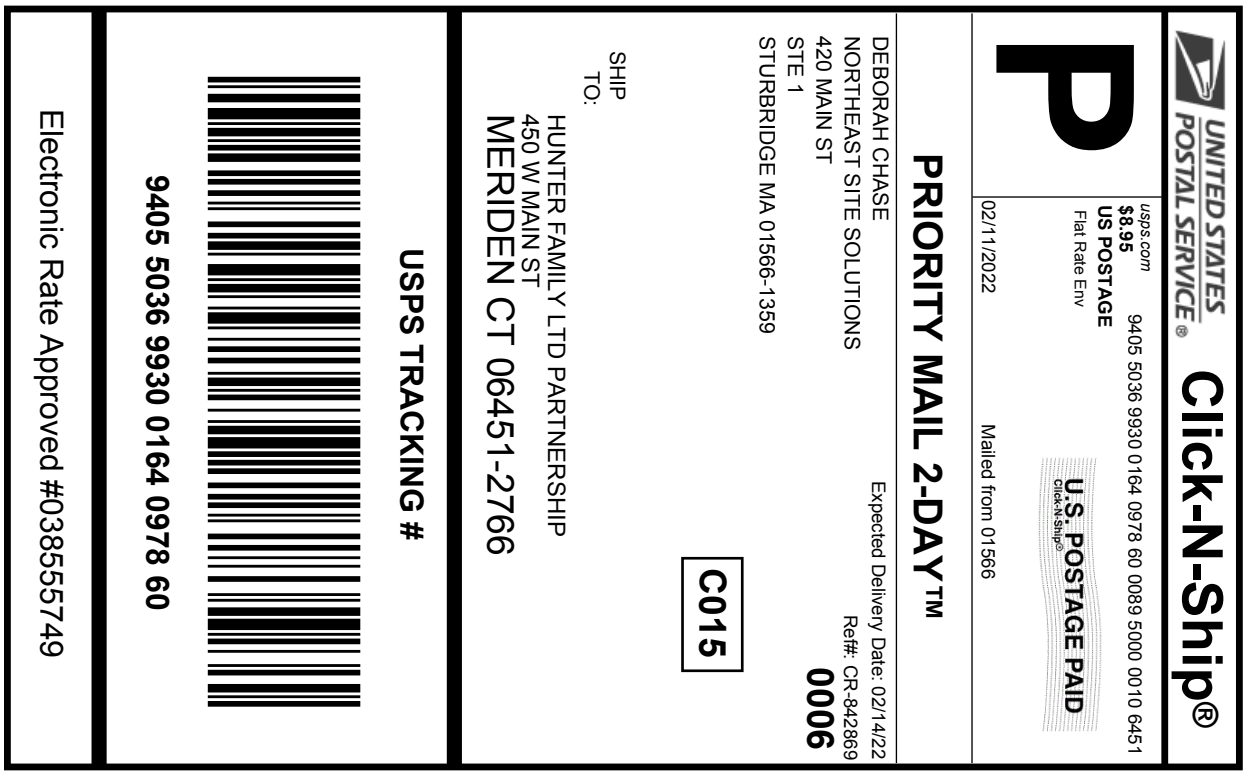

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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0164 0978 60

Trans. #:	556402239
Print Date:	02/11/2022
Ship Date:	02/11/2022
Expected Delivery Date:	02/14/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-842869

To: HUNTER FAMILY LTD PARTNERSHIP
450 W MAIN ST
MERIDEN CT 06451-2766

* 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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Check the status of your shipment on the USPS Tracking® page at usps.com

842869

UNITED STATES POSTAL SERVICE.

FARMINGTON
210 MAIN ST
FARMINGTON, CT 06032-9998
(800)275-8777

02/11/2022 01:13 PM

Product	Qty	Unit Price	Price
Prepaid Mail Meriden, CT 06450 Weight: 0 lb 7.00 oz Acceptance Date: Fri 02/11/2022 Tracking #: 9405 5036 9930 0164 0978 15	1		$0.00
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 6.90 oz Acceptance Date: Fri 02/11/2022 Tracking #: 9405 5036 9930 0164 0978 46	1		$0.00
Prepaid Mail Meriden, CT 06450 Weight: 0 lb 7.00 oz Acceptance Date: Fri 02/11/2022 Tracking #: 9405 5036 9930 0164 0978 22	1		$0.00
Prepaid Mail Meriden, CT 06451 Weight: 0 lb 6.90 oz Acceptance Date: Fri 02/11/2022 Tracking #: 9405 5036 9930 0164 0978 60	1		$0.00
Grand Total:			$0.00

****
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****

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