Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

July 21, 2021

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: **Notice of Exempt Modification for Verizon:**
Crown Site BU: 876352
94 East High Street, East Hampton, CT 06424
Latitude: 41° 35′ 14.20″ / Longitude: -72° 29′ 19.60″

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 108-foot centerline on the existing 117-6-foot monopole tower, located at 94 East High Street in East Hampton, CT. The property is owned by Paul & Sandys Too, Inc, and the Tower is owned by Crown Castle. Verizon now intends to swap nine (9) antennas, swap three (3) RRHs, install three (3) new RRHs, three (3) mounts and (3) diplexers as well as removing one (1) TRDU on the ground.

Tower modifications:
- Swap nine (9) antennas
- Swap three (3) RRHs
- Add three (3) RRHs
- Add three (3) diplexers
- Add three (3) Mounts

Ground modifications:
- Remove one (1) TRDU

The facility was approved by the Town of East Hampton Planning and Zoning Commission on May 7, 1997 via Special Permit. The approval was given with conditions which this exempt modification follows.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.S.C.A. § 16-50j-73, a copy of this letter is being sent to David Cox, Town Manager for the Town of East Hampton, Jeremy DeCarli, Planning & Zoning Official for the Town of East Hampton, and Paul & Sandys Too, Inc. as the property owners.

Additionally:

1. The proposed modifications will not result in an increase in the height of the existing tower
2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modification 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 Communication 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 respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j72(b)(2). Please send approval/rejection letter to my attention at the address listed below.

Sincerely,

S. Snell

Sarah Snell
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
T: 508-621-9146
Sarah.Snell@crowncastle.com

Attachments

cc: David Cox, Town Manager
Town of East Hampton
1 Community Drive
East Hampton, CT 06424

Jeremy DeCarli, Planning & Zoning Official
Town of East Hampton
1 Community Drive
East Hampton, CT 06424

Paul & Sandys Too Inc (Property Owner)
93 East High Street
East Hampton, CT 06424

Crown Castle (Tower Owner)

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Thursday, July 22, 2021 11:20 AM
To: Snell, Sarah
Subject: FedEx Shipment 774320474563: Your package has been delivered

Hi. Your package was delivered Thu, 07/22/2021 at 11:18am.

Delivered to 20 E HIGH ST, EAST HAMPTON, CT 06424
Received by B.VILADEAU

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 774320474563

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	David Cox, Town Manager 1 Community Drive EAST HAMPTON, CT, US, 06424
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 7/21/2021 06:02 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	EAST HAMPTON, CT, US, 06424
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Thursday, July 22, 2021 11:20 AM
To: Snell, Sarah
Subject: FedEx Shipment 774320957082: Your package has been delivered

Hi. Your package was delivered Thu, 07/22/2021 at 11:18am.

Delivered to 20 E HIGH ST, EAST HAMPTON, CT 06424
Received by B.VILADEAU

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 774320957082

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Town of East Hampton Jeremy DiCarli, Planning & Zoning 1 Community Drive EAST HAMPTON, CT, US, 06424
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 7/21/2021 06:02 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	EAST HAMPTON, CT, US, 06424
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Thursday, July 22, 2021 12:22 PM
To: Snell, Sarah
Subject: FedEx Shipment 774320819891: Your package has been delivered

Hi. Your package was delivered Thu, 07/22/2021 at 12:21pm.

Delivered to 93 E HIGH ST, EAST HAMPTON, CT 06424
Received by C.BEALE

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 774320819891

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Paul & Sandys Too Inc. 93 East High Street EAST HAMPTON, CT, US, 06424
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 7/21/2021 06:02 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	EAST HAMPTON, CT, US, 06424
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight

Exhibit A

Original Facility Approval

VOL # 288 PAGE 951

SPECIAL PERMIT

Applicant:	Sprint Spectrum, L.P.
Owner:	Richard Wall, et al
Location:	94 East High Street (Map 26,Block 85, Lot 16)
Date Granted:	May 7, 1997
Nature of Permit:	Section 7.6.1.E - Public Utility Structure Section 7.9.1.G - Retail/Commercial Use Section 7.12 - Lake Pocotopaug Protection Area
Action:	Subject to the provisions of the relevant regulations and written, oral and graphic testimony, the permit is approved with the following:
Conditions:	1. IWWEA Approval A. All E&S controls shall be in place prior to start of any work B. E&S controls will be monitored by Town Hall C. Bonding will be determined by Town Engineer D. The surface of the lower portion of the access drive shall be restored consistent with new construction as well as noted on the plans. 2. The tower shall be disassembled and removed upon cessation of use.

Carol Micek, Clerk
East Hampton Planning & Zoning Commission

May 13, 1997
Date

RECEIVED FOR RECORD AT E. HAMPTON, CT
ON 5/28/97 AT 11:30 A.M.
Attest: PAULINE L. MARCHAM, Town Clerk

Exhibit B

Property Card

94 EAST HIGH ST #CELL

Location	94 EAST HIGH ST #CELL	**Mblu**	26/ 85/ 16/ /
Acct#	R07038	**Owner**	PAULS + SANDYS TOO INC
Assessment	$238,530	**Appraisal**	$340,760
PID	5476	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$140,760	$200,000	$340,760
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$98,530	$140,000	$238,530

Owner of Record

Owner	PAULS + SANDYS TOO INC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	93 EAST HIGH ST EAST HAMPTON, CT 06424	**Book & Page**	0344/0096
		Sale Date	01/28/2002
		Instrument	29

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
PAULS + SANDYS TOO INC	$0		0344/0096	29	01/28/2002

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes

Field	Description
Style:	Outbuildings
Model	
Grade:	
Story Height	
Foundation	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
# Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Fireplace	
Cndtn	
Fin Basement	
Fin Bsmt Qual	
Bsmt. Garages	
Num Park	
Fireplaces	
Solar	
Gas Fireplace	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos/EastHamptonCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos/EastHamptonCTPhotos//Sketches/5476_54

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	202
Description	Commercial Land & OB
Zone	C
Neighborhood	COM
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1
Frontage	
Depth	
Assessed Value	$140,000
Appraised Value	$200,000

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
BLD	Building			360.00 SF	$48,600	1
SHD1	Shed	FR	Frame	120.00 S.F.	$2,160	1
CEL	Cell Tower			1.00 UNITS	$90,000	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$140,760	$200,000	$340,760
2020	$156,400	$200,000	$356,400
2020	$156,400	$200,000	$356,400
2019	$156,400	$200,000	$356,400

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$98,530	$140,000	$238,530
2020	$109,480	$140,000	$249,480
2020	$109,480	$140,000	$249,480
2019	$109,480	$140,000	$249,480

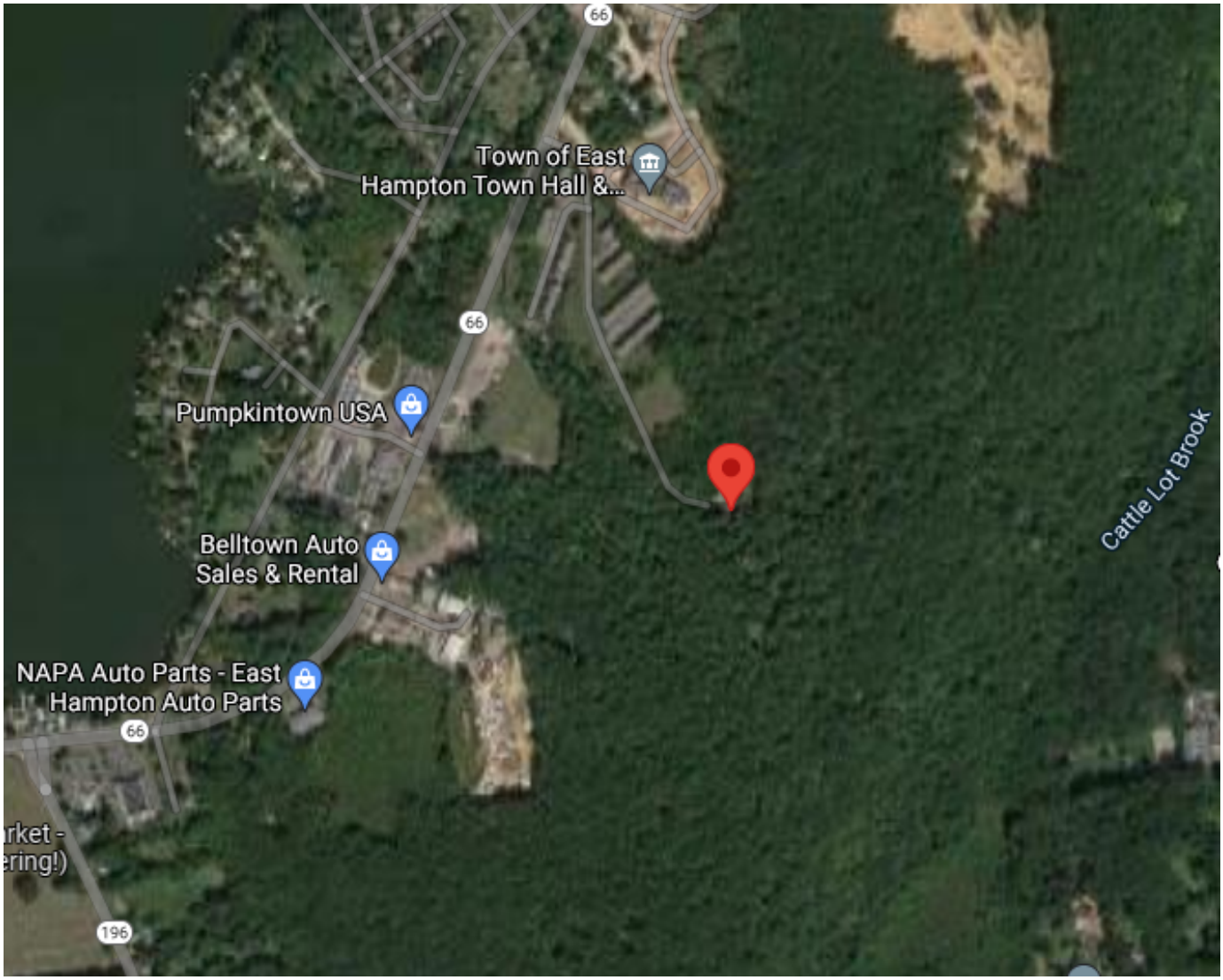
66
Town of East
Hampton Town Hall &...
66
Pumpkintown USA
Cattle Lot Brook
Belltown Auto
Sales & Rental
NAPA Auto Parts - East
Hampton Auto Parts
66
196

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 674884
VERIZON SITE NAME: EAST HAMPTON CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 117'-6"

BUSINESS UNIT #: 876352
SITE ADDRESS: 94 EAST HIGH STREET
EAST HAMPTON, CT 06424
COUNTY: MIDDLESEX
JURISDICTION: TOWN OF EAST HAMPTON

VERIZON 5G L-SUB6 - CARRIER ADD/ FUZE ID 16272160

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	RICHARD WALL
SITE ADDRESS:	94 EAST HIGH STREET EAST HAMPTON, CT 06424
COUNTY:	MIDDLESEX
MAP/PARCEL #:	26-85-16
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 35' 14.20" N
LONGITUDE:	72° 29' 19.60" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	----
CURRENT ZONING:	R3S
ZONNING JURISDICTION:	CONNECTICUT SITING COUNCIL
JURISDICTION:	TOWN OF EAST HAMPTON
OCCUPANCY CLASSIFICATION:	----
TYPE OF CONSTRUCTION:	----
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	PAULS + SANDYS TOO INC 93 EAST HIGH ST EAST HAMPTON, CT 06424
TOWER OWNER:	CROWN CASTLE MU LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 922-4455
TELCO PROVIDER:	FRONTIER

PROJECT TEAM

A&E FIRM:	TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C. 1279 ROUTE 300 NEWBURGH, NY 12550 PHONE: (845) 567-6656
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430 ---- - PROJECT MANAGER ---- ---- - CONSTRUCTION MANAGER ----
VERIZON CONTACT:	---- ----

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 ----. 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	10070586
VzW LOCATION CODE (PSLC)	469377

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

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP

NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDMINSTER, NJ 07921)

HEAD NORTHWEST. SLIGHT LEFT. TURN RIGHT ONTO US-202 N/US-206 N. TURN RIGHT ONTO SCHLEY MOUNTAIN RD. MERGE WITH I-287 N. ENTERING NEW YORK. KEEP LEFT AT THE Y JUNCTION TO CONTINUE ON I-287 E, FOLLOW SIGNS FOR WHITE PLAINS/RYE. MERGE WITH WESTCHESTER AVE. KEEP RIGHT AT THE Y JUNCTION TO STAY ON HUTCHINSON RIVER PKWY N. ENTERING CONNECTICUT. CONTINUE ONTO CT-15 N. TAKE EXIT 22-22N-22S TO MERGE WITH CT-9 S TOWARD MIDDLETOWN. CONTINUE ONTO CT-17 N/ST JOHNS SQUARE. TURN RIGHT ONTO MAIN ST. TURN RIGHT ONTO CT-66 E/MARLBOROUGH ST. CONTINUE TO FOLLOW CT-66 E. PASS BY BURGER KING (ON THE LEFT). TURN RIGHT ONTO LAKE VISTA DR.

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	2018 CT SBC
MECHANICAL	2018 CT SBC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: DATED:	----
MOUNT ANALYSIS: DATED:	MASER CONSULTING CONNECTICUT (MODIFICATION REQUIRED) 06/24/2021
RFDS REVISION: DATED:	0 02/16/21
ORDER ID: REVISION:	552639 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
- REMOVE (3) RRHs
- INSTALL (9) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) MOUNT
- INSTALL (3) DIPLEXER

GROUND SCOPE OF WORK:
- REMOVE (1) TRDU

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
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
79 Pleasant Hill Road
P.O. Box 37
Mountainville, NY 10953
Phone: (845) 534-5959
(800) 836-9831
www.tectonicengineering.com
Project Contact Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
TECTONIC WO: 10545.EAST HAMPTON CT

VERIZON SITE NUMBER:
674884

BU #: **876352**
RICHARD WALL

94 EAST HIGHT STREET
EAST HAMPTON, CT 06424

EXISTING 117'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/14/2021	JT	FOR CONSTRUCTION	----

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER:	REVISION:
T-1	0

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

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

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).

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180 WASHINGTON VALLEY ROAD
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CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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Project Contact Info: 1279 Route 300, Newburgh, NY 12550, Phone: (845) 567-6656
TECTONIC WO: 10545.EAST HAMPTON CT

VERIZON SITE NUMBER:
674884

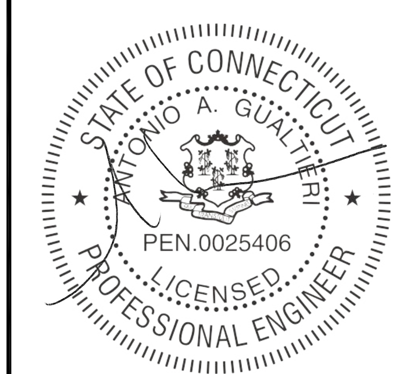
BU #: **876352**
RICHARD WALL

94 EAST HIGHT STREET
EAST HAMPTON, CT 06424

EXISTING 117'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/14/2021	JT	FOR CONSTRUCTION	----



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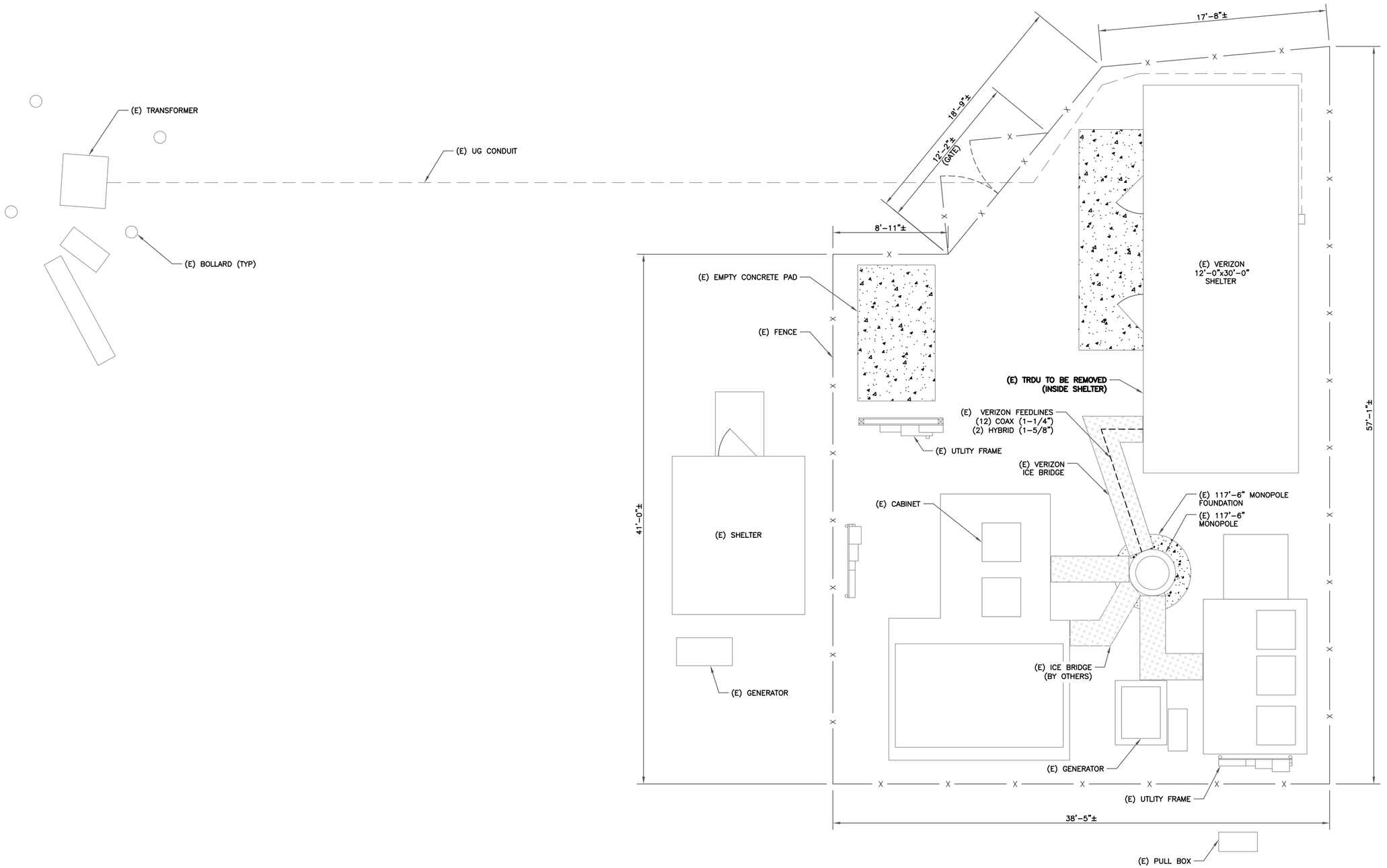
REVISION: 0



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

N

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RICHARD WALL

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EXISTING 117'-6" MONOPOLE

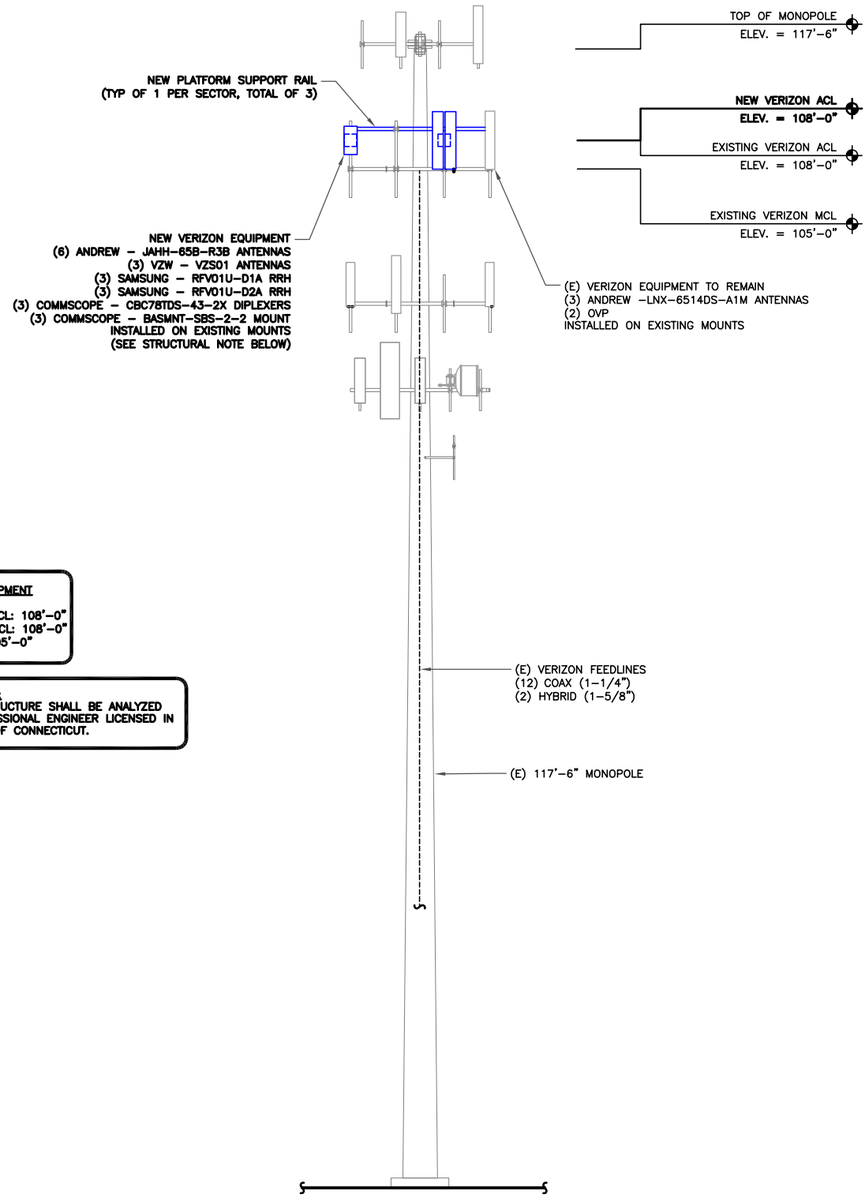
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/14/2021	JT	FOR CONSTRUCTION	----

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-1

REVISION: 0

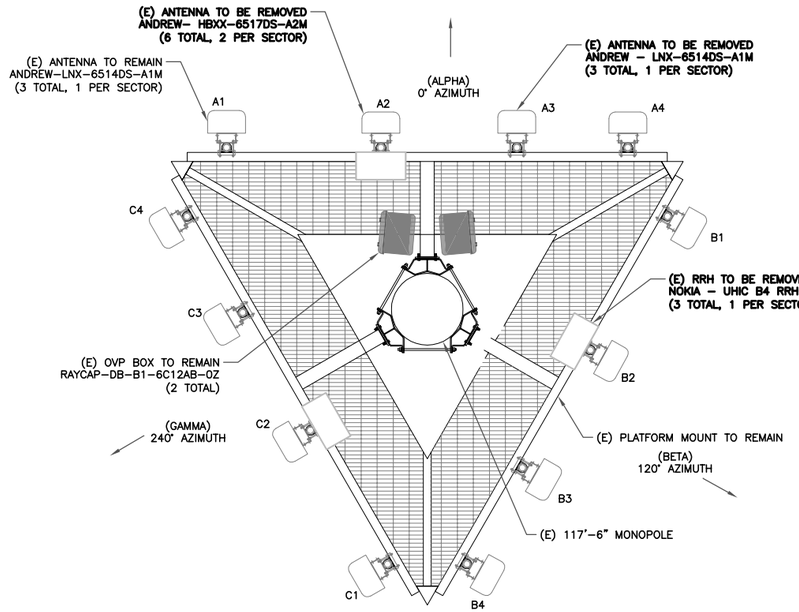


VERIZON EQUIPMENT

(E) ANTENNA CL: 108'-0"
(N) ANTENNA CL: 108'-0"
MOUNT CL: 105'-0"

TOWER NOTE:
EXISTING STRUCTURE SHALL BE ANALYZED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

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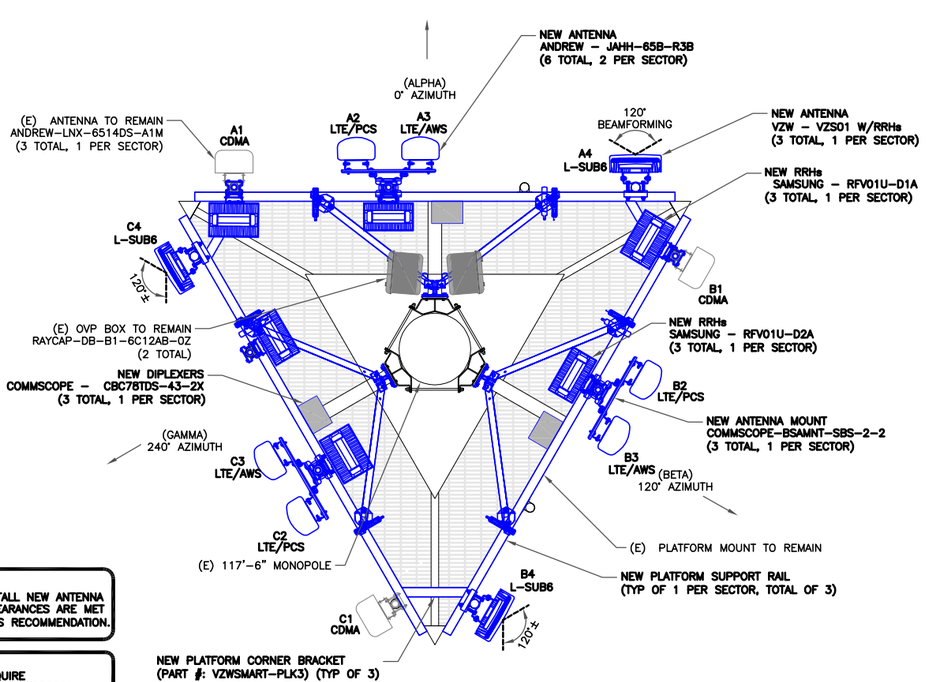

NOTE:
CONTRACTOR TO INSTALL NEW ANTENNA AND MAKE SURE CLEARANCES ARE MET PER MANUFACTURER'S RECOMMENDATION.

STRUCTURAL NOTE:
EXISTING MOUNTS REQUIRE MODIFICATIONS FOR THE PROPOSED INSTALLATION. SEE POST-MOD ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS/MOUNT MODIFICATION DRAWINGS DATED 06/24/2021 PREPARED BY MASER CONSULTING CONNECTICUT.

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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Project Contact Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-4858
TECTONIC WO: 10545.EAST HAMPTON CT

VERIZON SITE NUMBER:
674884

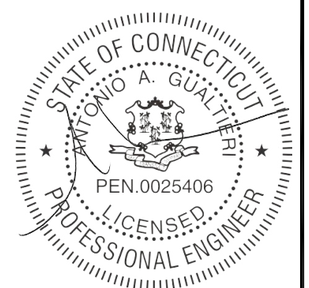
BU #: **876352**
RICHARD WALL

94 EAST HIGHT STREET
EAST HAMPTON, CT 06424

EXISTING 117'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/14/2021	JT	FOR CONSTRUCTION	----



SHEET NUMBER: **C-2**

REVISION: **0**

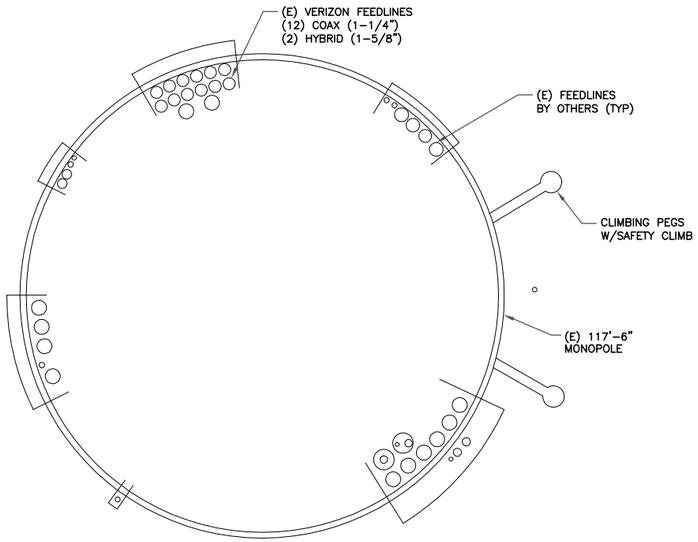
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANDREW	LNX-6514DS-A1M	108'-0"	0°	0°	2°		
A2	NEW	ANDREW	JAHH-65B-R3B	108'-0"	0°	0°	2°/2°	RFS SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(2) DBB1-6C-12AB-0Z (1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
A3	NEW	ANDREW	JAHH-65B-R3B	108'-0"	0°	0°	2°/3°		
A4	NEW	VZW	VZS01	108'-0"	0°	0°	6°		
B1	EXISTING	ANDREW	LNX-6514DS-A1M	108'-0"	120°	0°	4°		
B2	NEW	ANDREW	JAHH-65B-R3B	108'-0"	120°	0°	4°/2°	SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
B3	NEW	ANDREW	JAHH-65B-R3B	108'-0"	120°	0°	2°/2°		
B4	NEW	VZW	VZS01	108'-0"	120°	0°	6°		
C1	EXISTING	ANDREW	LNX-6514DS-A1M	108'-0"	240°	0°	0°		
C2	NEW	ANDREW	JAHH-65B-R3B	108'-0"	240°	0°	2°/2°	SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
C3	NEW	ANDREW	JAHH-65B-R3B	108'-0"	240°	0°	0°/0°		
C4	NEW	VZW	VZS01	108'-0"	240°	0°	6°		

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	1-5/8"	158'-0"±	2
EXISTING	COAX	1-1/4"	158'-0"±	12
TOTAL CABLE QTY:				14



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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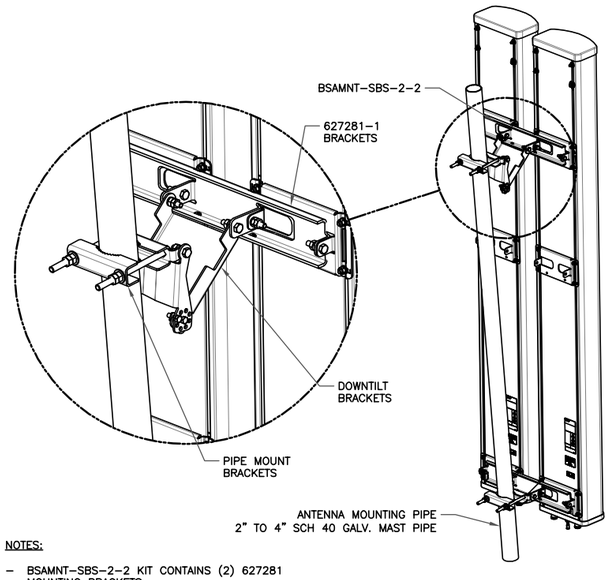
STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-3

REVISION: 0

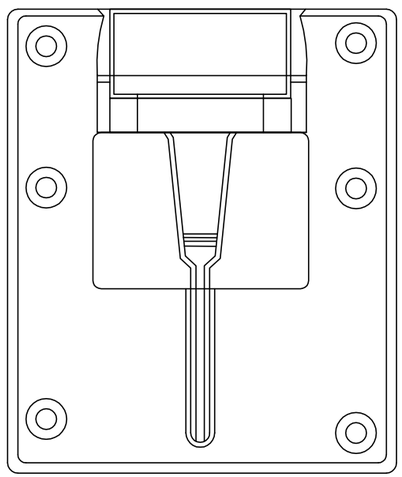


NOTES:

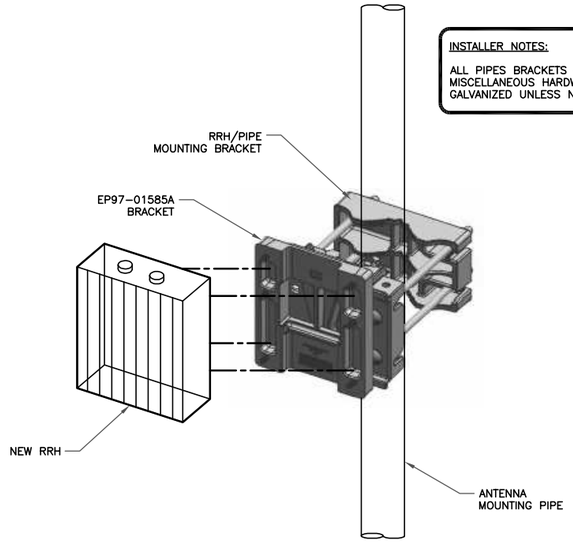
- BSAMNT-SBS-2-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



3 SAMSUNG – EP97-01585A BRACKET DETAIL
SCALE: NOT TO SCALE



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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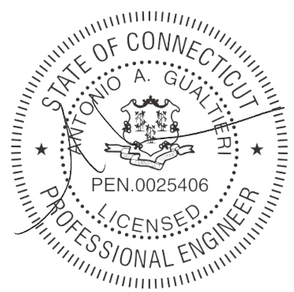
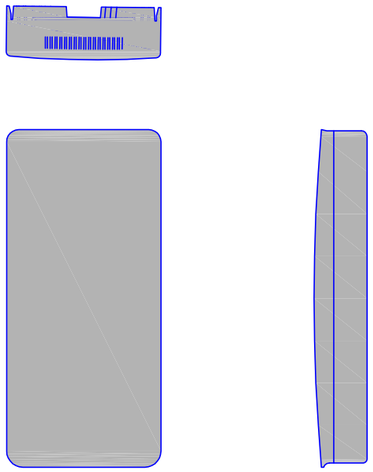


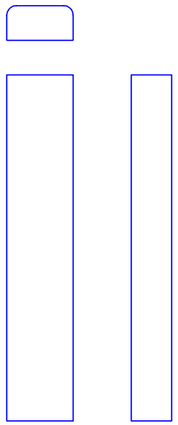
SHEET NUMBER: C-4

REVISION: 0



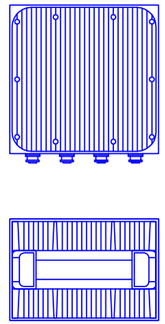
SAMSUNG – MT6407–77A
WEIGHT : 87.1 LBS
SIZE (HxWxD): 35.12 x 16.06 x 5.51 IN.

1 VZW – MT6407–77A
SCALE: NOT TO SCALE



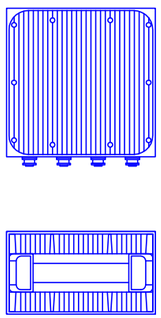
ANDREW – JAHH–65B–R3B
WEIGHT : 63.30 LBS
SIZE (HxWxD): 72.00 x 13.80 x 8.20 IN.

2 ANDREW – JAHH–65B–R3B
SCALE: NOT TO SCALE



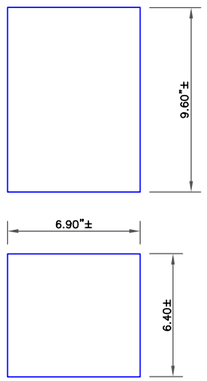
SAMSUNG – B2/B66A RRH–BR049 (RFV01U–D1A)
WEIGHT(W/O EQUIPMENT): 84.4 LBS
SIZE (HxWxD): 15x15x10 IN.

3 SAMSUNG – B2/B66A RRH–BR049 (RFV01U–D1A)
SCALE: NOT TO SCALE



SAMSUNG – B5/B13 RRH–BR04C (RFV01U–D2A)
WEIGHT (W/O EQUIPMENT): 31.9 LBS
SIZE (HxWxD): 15x15x8.1 IN.

4 SAMSUNG – B5/B13 RRH–BR04C (RFV01U–D2A)
SCALE: NOT TO SCALE



COMMSCOPE – CBC78TDS–43–2X
WEIGHT : 20.70 LBS
SIZE (HxWxD): 6.40x6.90x9.60 IN.

5 COMMSCOPE – CBC78TDS–43–2X
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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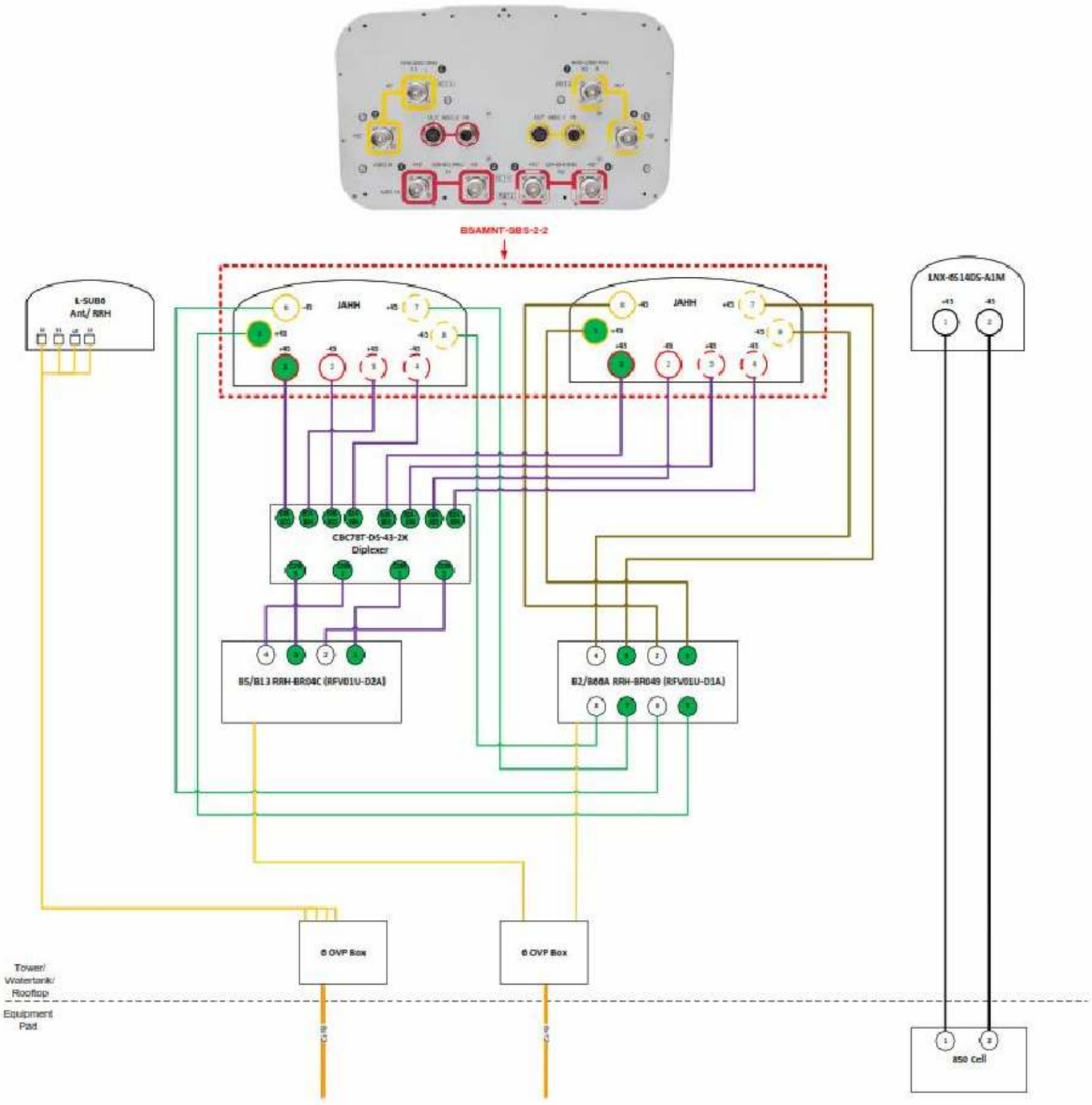
SHEET NUMBER: C-5

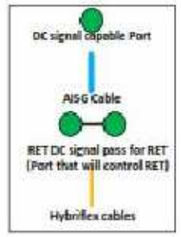
REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

- 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)

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SHEET NUMBER: C-6

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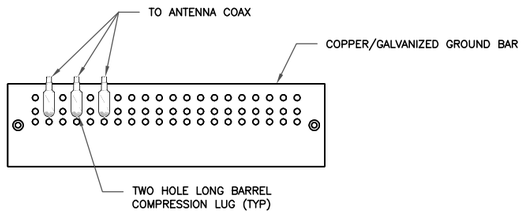
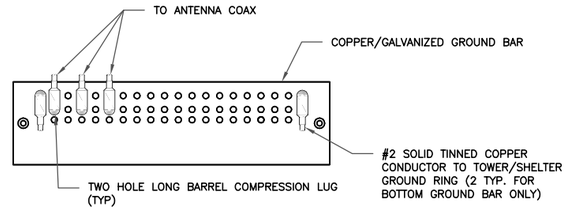


NOTES:

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

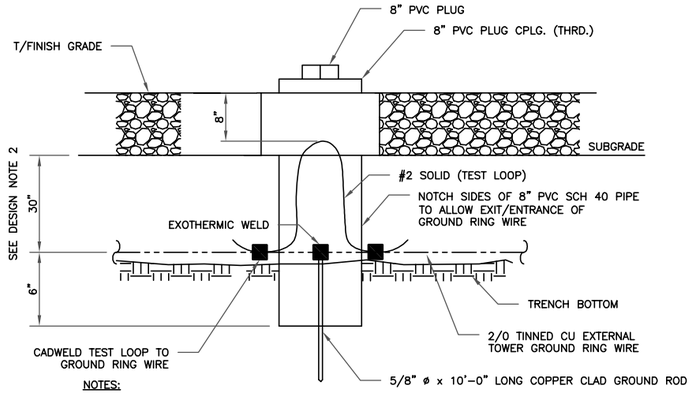
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

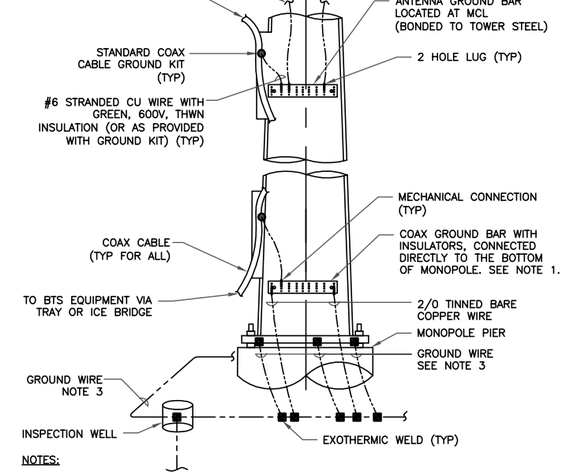
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

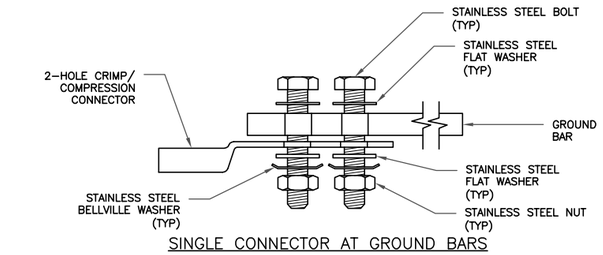
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



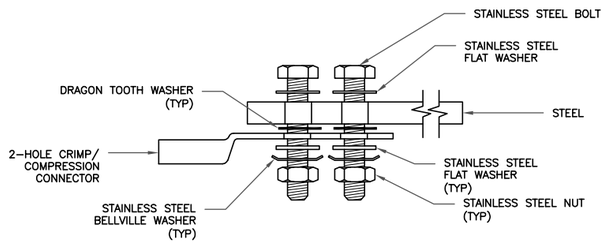
NOTES:

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

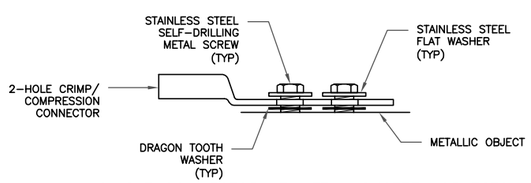
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

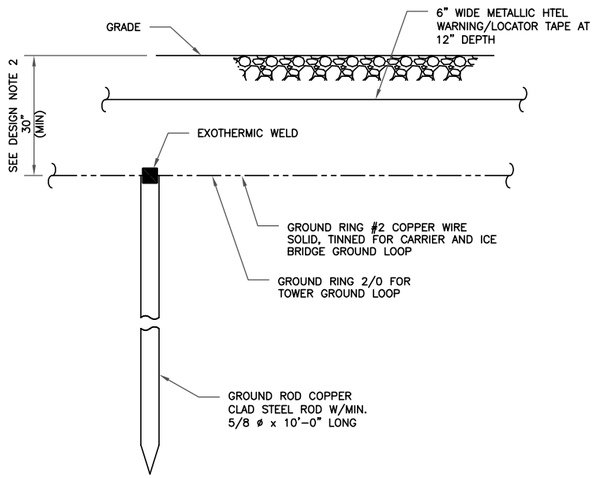


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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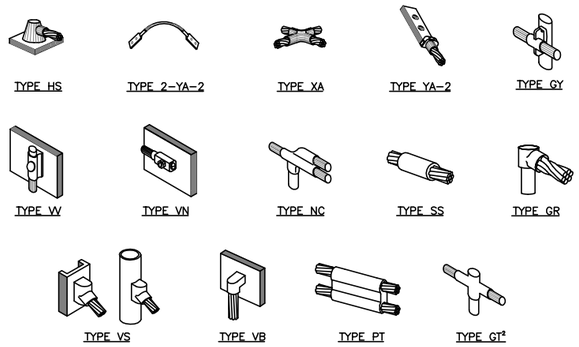
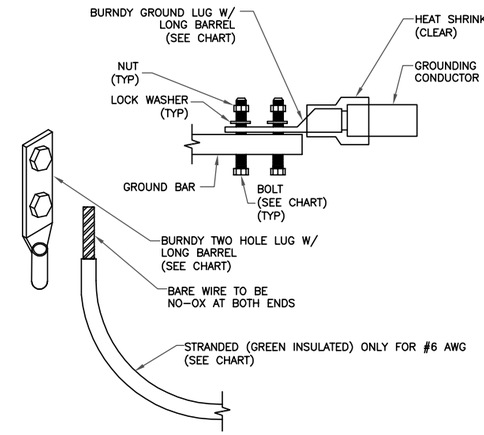


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

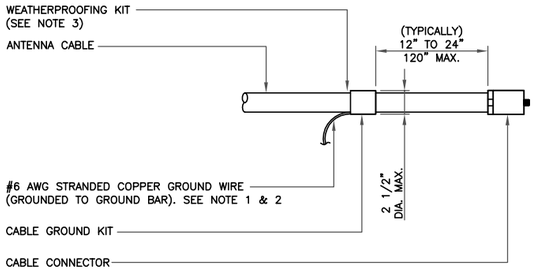
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

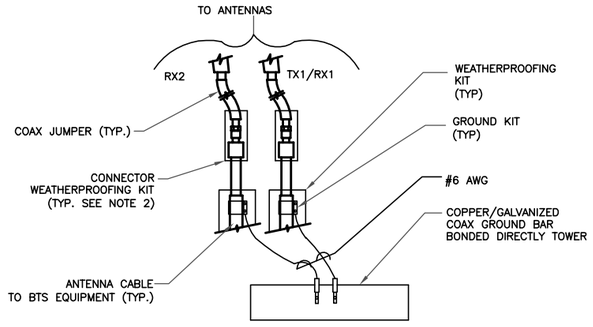
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

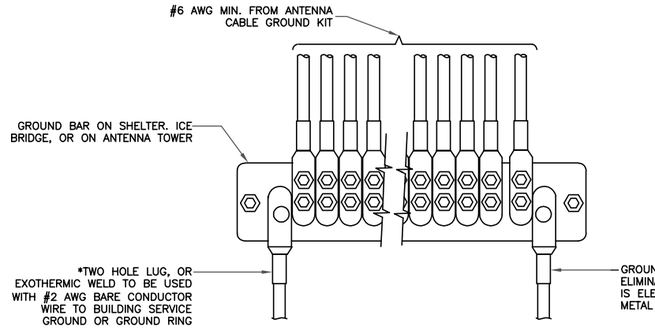
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



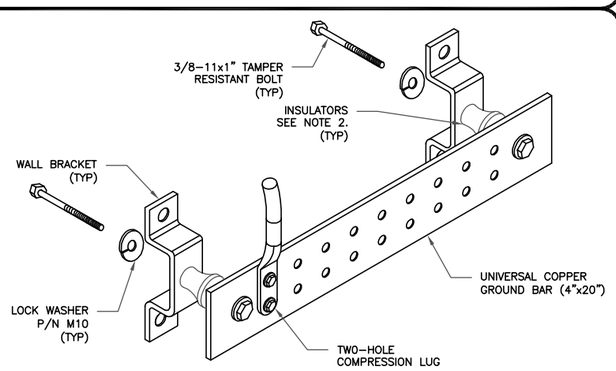
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



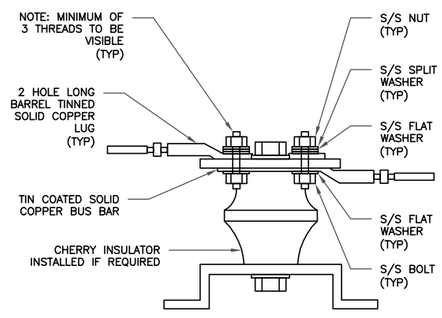
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



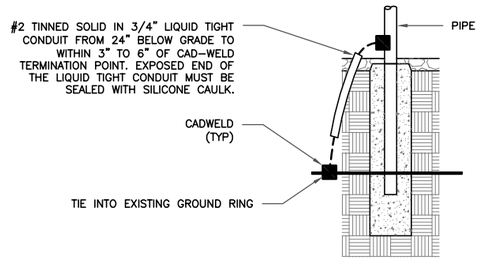
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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P.O. Box 37
Mountainville, NY 10953
Phone: (845) 534-5959
(800) 836-9631
www.tectonicengineering.com
Project Content Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-4858
TECTONIC WO: 10545.EAST HAMPTON CT

VERIZON SITE NUMBER:
674884

BU #: **876352**
RICHARD WALL

94 EAST HIGHT STREET
EAST HAMPTON, CT 06424

EXISTING 117'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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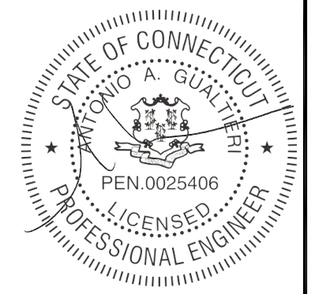

SHEET NUMBER: G-2
REVISION: 0

PROJECT NOTES

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

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MOUNT MODIFICATION DRAWINGS
EXISTING 14.08' PLATFORM

SITE NAME: EAST HAMPTON CT
SITE NUMBER: 469377

94 EAST HIGH ST
EAST HAMPTON, CT 06424
MIDDLESEX COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.587278° N
LONGITUDE: 72.488778° W
JURISDICTION: MIDDLESEX COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10070586
VZW LOCATION CODE (PSLC):	469377
FUZE ID:	16272160

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10046639
MASER CONSULTING PROJECT #:	21777315A
ANALYSIS DATE:	5/12/2021

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SCALE: AS SHOWN
JOB NUMBER: 21777315A

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0	6/24/2021	ISSUED FOR CONSTRUCTION	MSG	JPL

STATE OF CONNECTICUT
Justin P. Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A. #: JPC.0000131
LICENSED PROFESSIONAL ENGINEER
Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:40:43 -04'00'

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

SITE NAME:
EAST HAMPTON CT
469377
94 EAST HIGH ST
EAST HAMPTON, CT 06424
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	
12		VZWSMART-MSK1	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	162" LONG, P2.5 STD	GALVANIZED
3	-	-	36" LONG, L3x3x1/4	GALVANIZED; CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1	-	PRK-SFS	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO 1	PRK-SFS-L	SUPPORT RAIL REINFORCEMENT KIT	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CONNECTICUT FOR APPROVAL OF SUBSTITUTION
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CONNECTICUT FOR APPROVAL OF SUBSTITUTION

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

VZWSMART KITS - APPROVED VENDORS

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

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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Justin P. Linette
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LICENSE NUMBER: 31965
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C.T. C.O.A. #: JPC.0000131
Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:41:0_-04'00'

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SITE NAME:

EAST HAMPTON CT
469377

94 EAST HIGH ST
EAST HAMPTON, CT 06424
MIDDLESEX COUNTY

MT. LAUREL OFFICE
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Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
BILL OF MATERIALS

SHEET NUMBER :
S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
b. EXPOSURE CATEGORY C
c. TOPOGRAPHIC CATEGORY 1
d. MEAN BASE ELEVATION (AMSL) = 664.58'

ICE LOADS

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

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B
b. SHORT TERM MCER GROUND MOTION, S_S = .209
c. LONG TERM MCER GROUND MOTION, S_1 = .056

STRUCTURAL STEEL

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

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

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

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STATE OF CONNECTICUT
Justin P. Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
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LICENSED PROFESSIONAL ENGINEER

Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:41:03-04'00'

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469377

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MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION NOTES

SHEET NUMBER : S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\AcPublish_16508\469377_EAST HAMPTON CT_MountModDrawings_PASS_20210623.dwg\S-2 By: MGRAHAM

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR 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 SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY 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.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

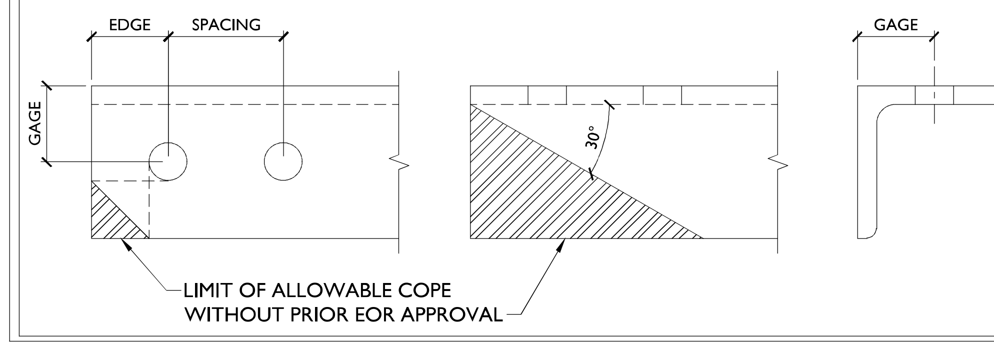
REQUIRED PHOTOS

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 REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING

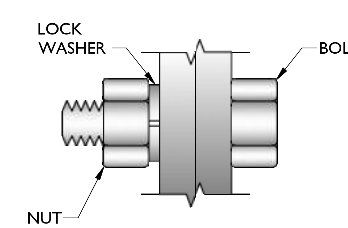


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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

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0	6/24/2021	ISSUED FOR CONSTRUCTION	MSG	JPL

Justin P. Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A. #: JPC.0000131
Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:41:04 -04'00'

SITE NAME:

EAST HAMPTON CT
469377

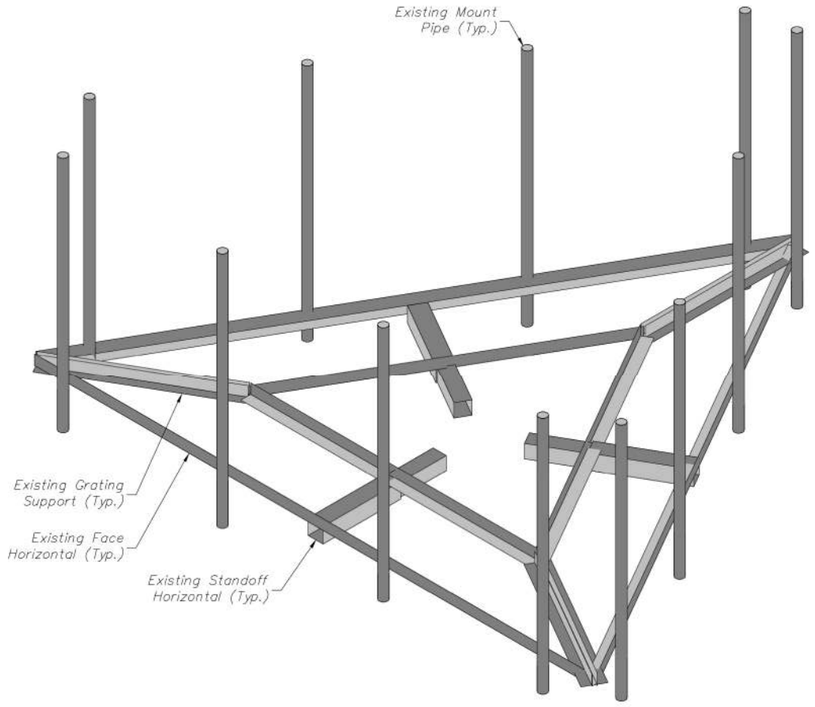
94 EAST HIGH ST
EAST HAMPTON, CT 06424
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

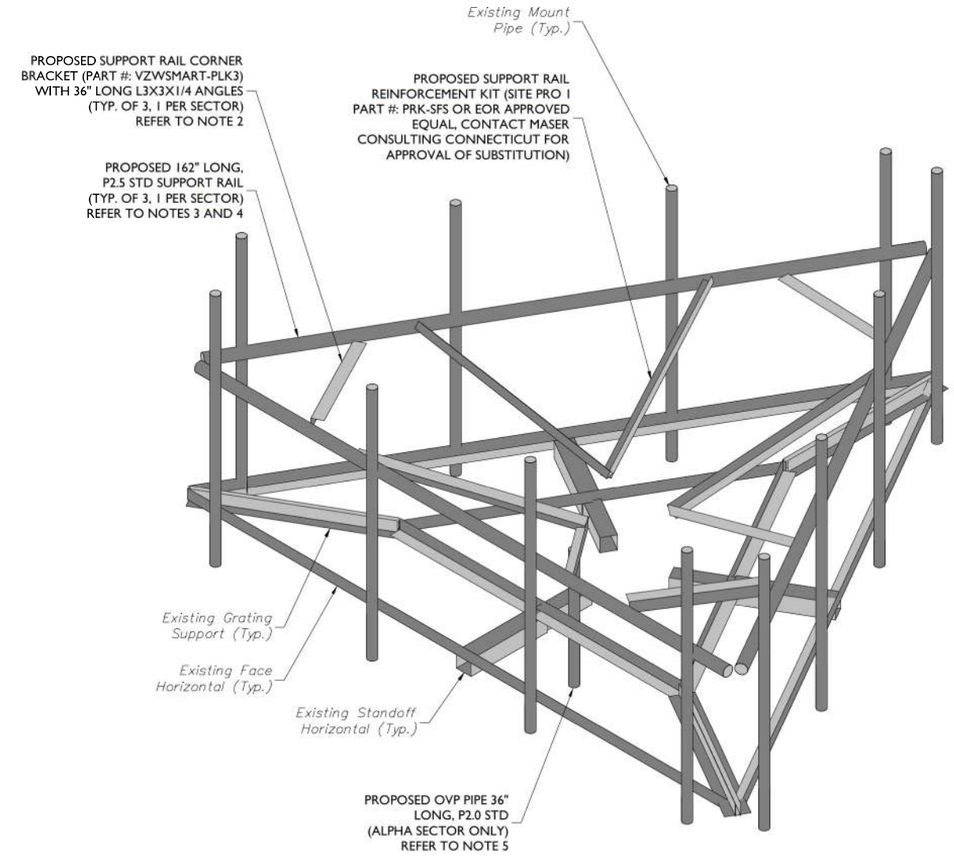
SHEET NUMBER: S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY ROAMING NETWORKS INC. ON 4/4/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (106'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

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

MODIFICATION NOTES:

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

2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.

3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.

4. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).

5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART #: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CONNECTICUT FOR APPROVAL OF SUBSTITUTION).

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Justin P. Linette
CONNECTICUT PROFESSIONAL ENGINEER
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MASER CONSULTING
C.T. C.O.A. # PEC.0000121
Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:41:16-04'00'

SITE NAME:

EAST HAMPTON CT
469377

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EAST HAMPTON, CT 06424
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
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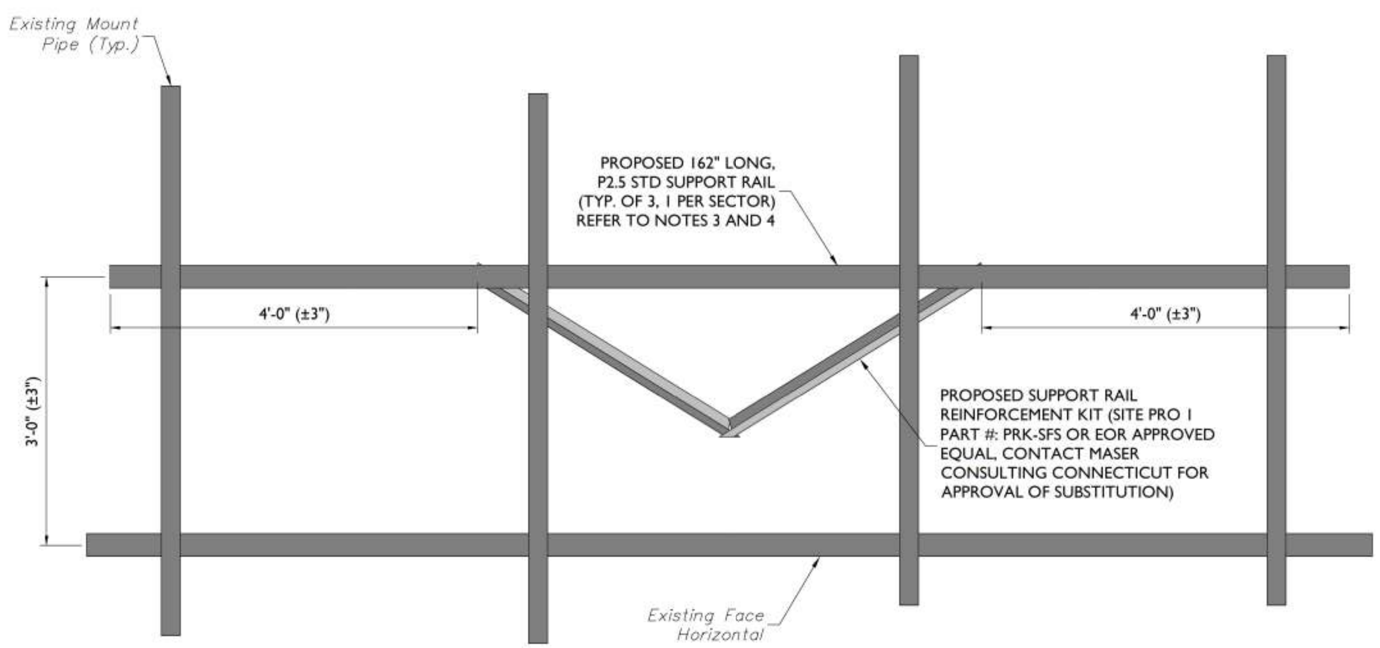
Fax: 856.722.1120

SHEET TITLE : MODIFICATION DETAILS

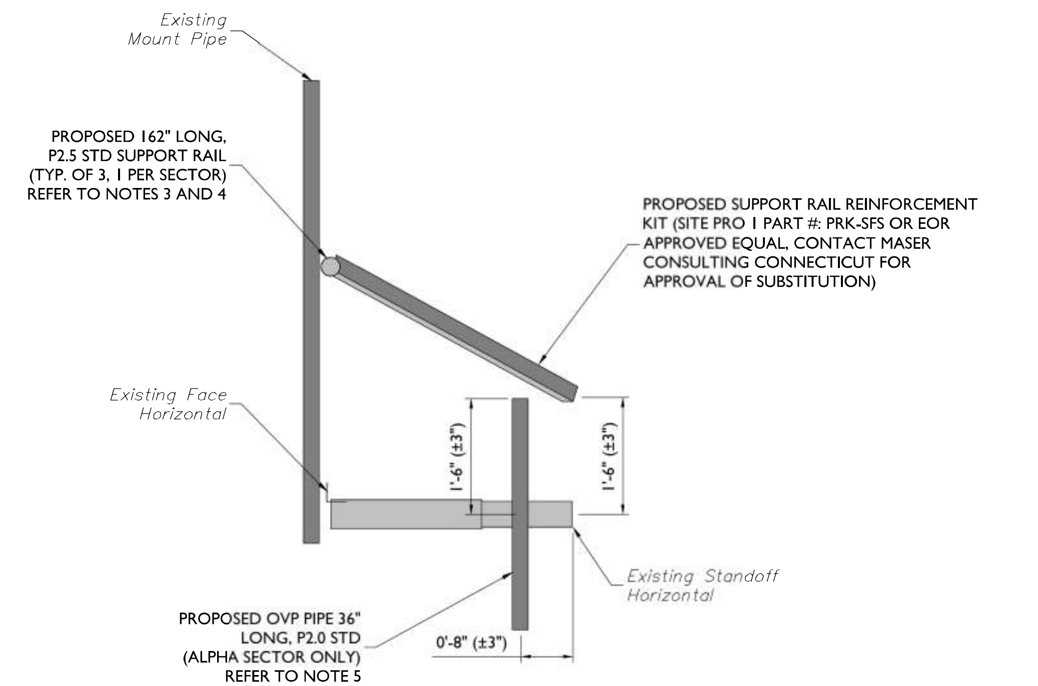
SHEET NUMBER : S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



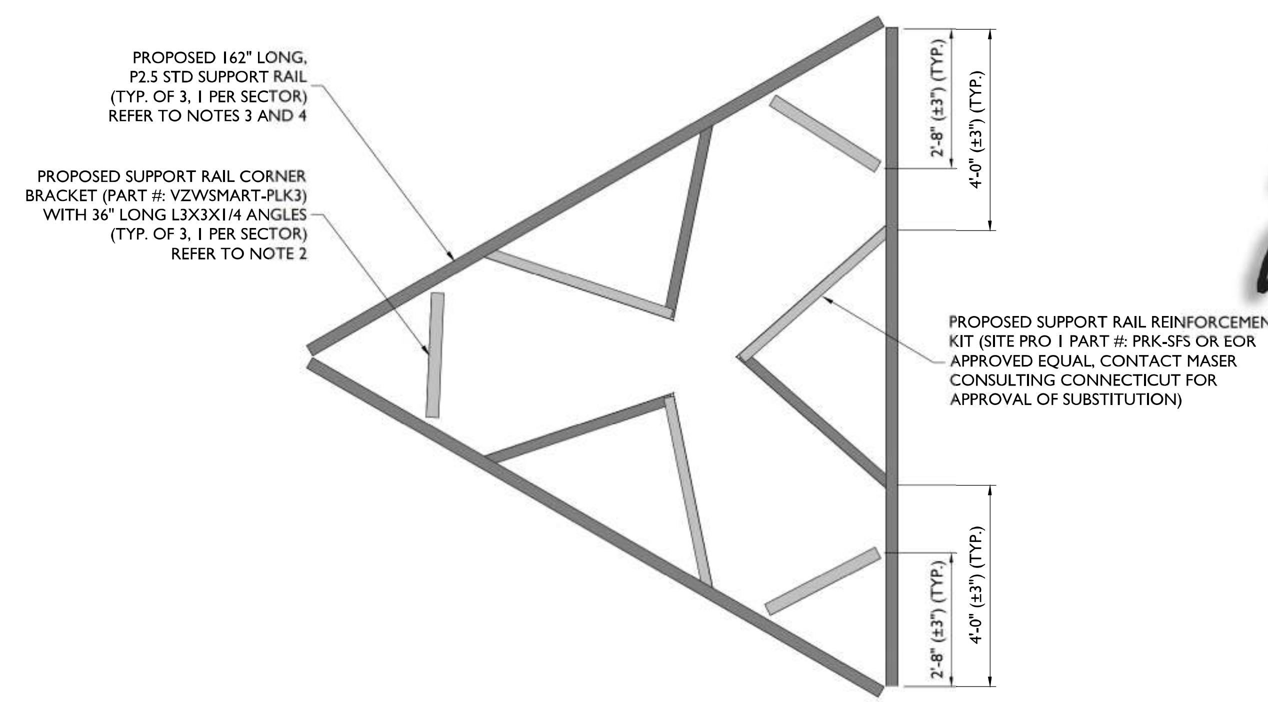
1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



3 PROPOSED PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

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2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART #: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CONNECTICUT FOR APPROVAL OF SUBSTITUTION).

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CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A. #: JPC.0000131
LICENSED PROFESSIONAL ENGINEER
Digitally signed by Justin Peter Linette
Date: 2021.06.24 14:41:05-04'00'

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SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-5

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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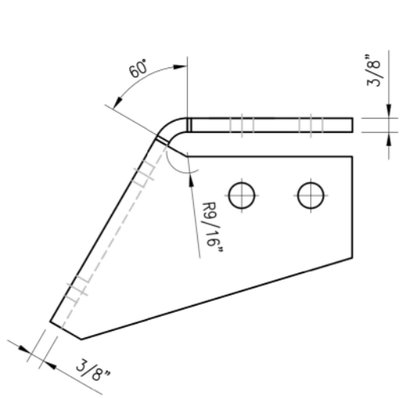
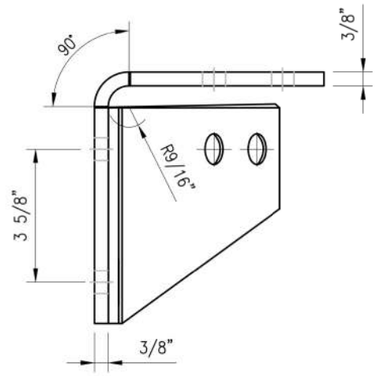
SHEET TITLE :
MOUNT PHOTOS

SHEET NUMBER :
S-6

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

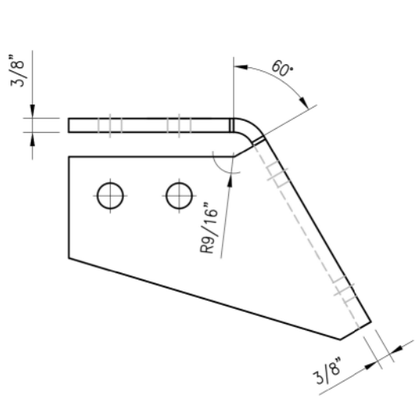


TOP VIEW

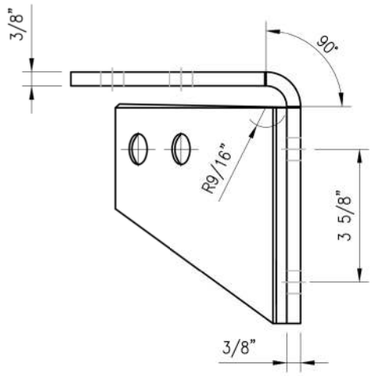


SIDE VIEW

CBP–L



TOP VIEW



SIDE VIEW

CBP–R

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

VZWSMART–PLK3 (SUPPORT RAIL CORNER BRACKET)

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

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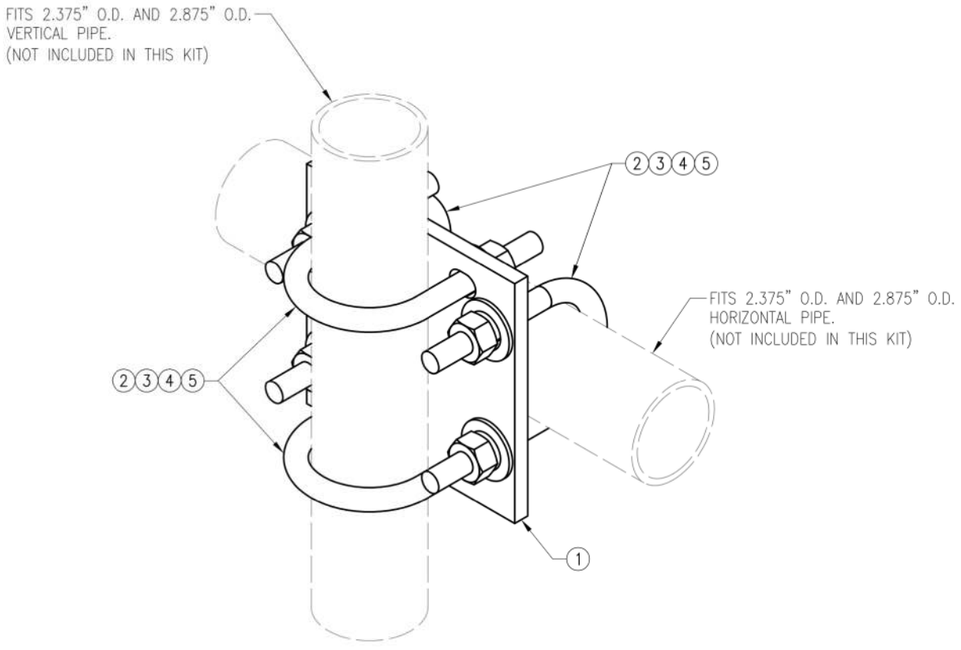
DRAWN BY: H.R | CHECKED BY: HMA

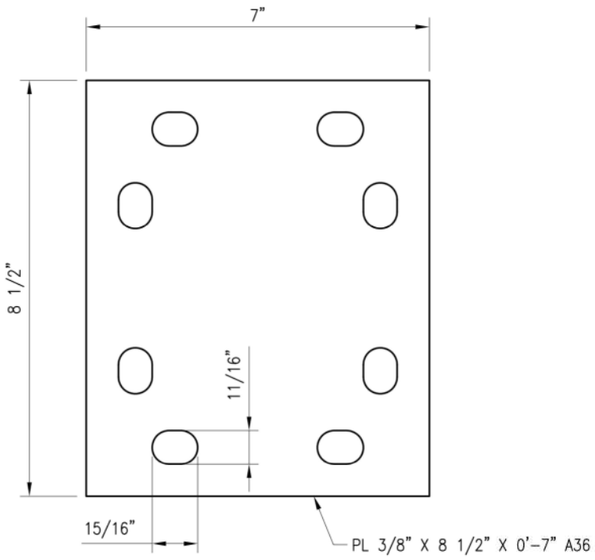
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK3
SUPPORT RAIL CORNER
BRACKET

SHEET NUMBER: VZWSMART–PLK3

REV #: 0





PL375-857

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

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

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DRAWN BY: H.R | CHECKED BY: HMA

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

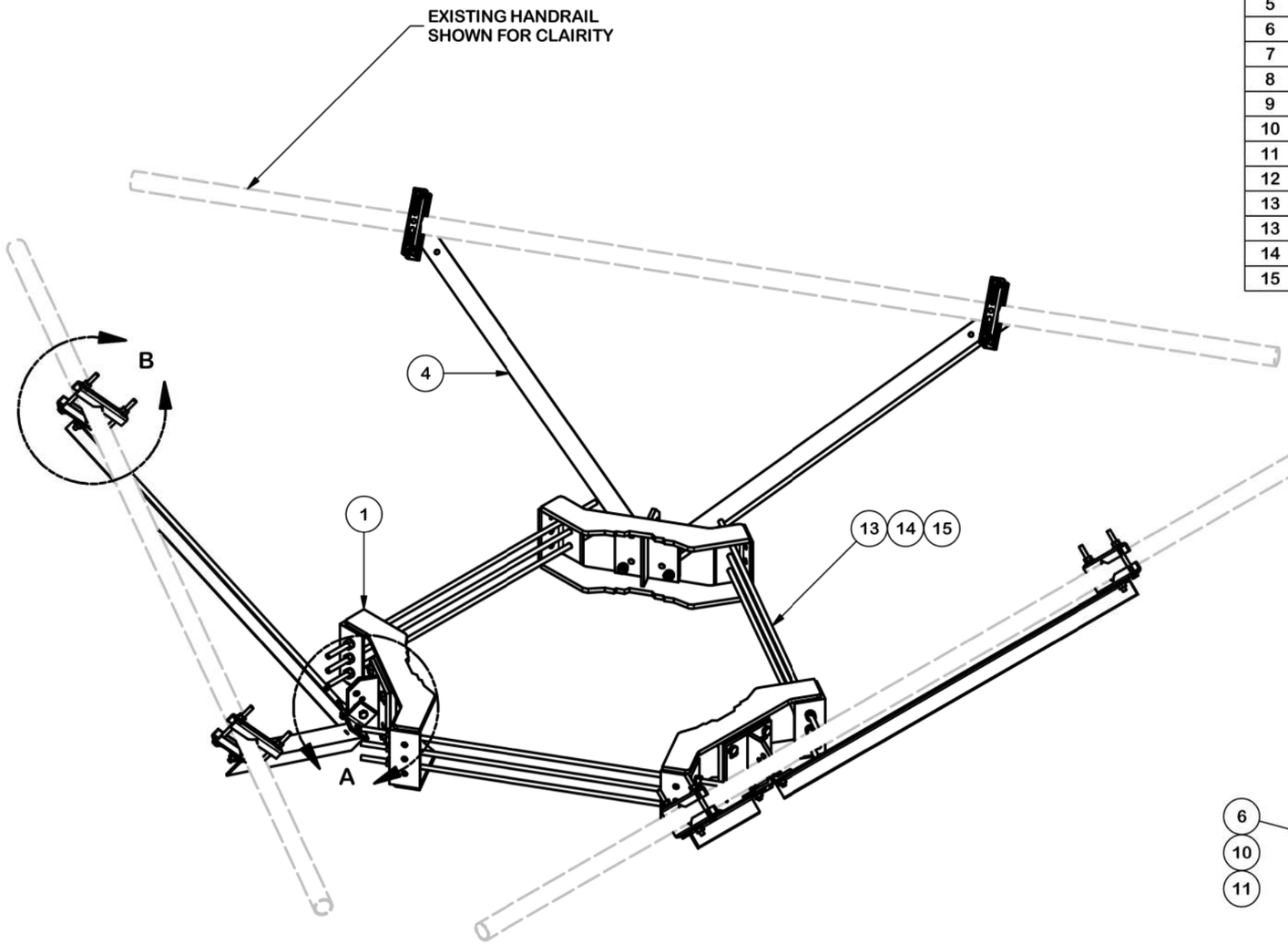
SHEET TITLE:

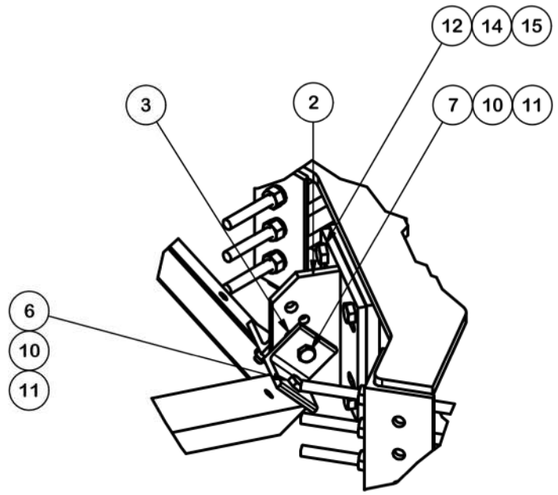
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

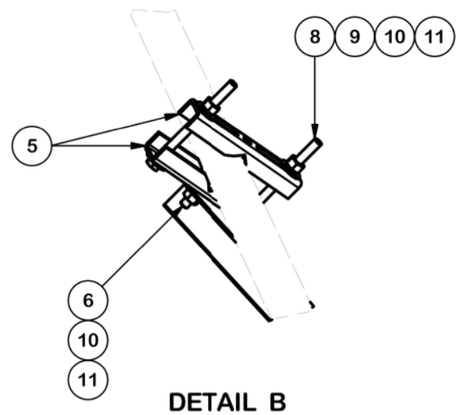
REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-LWRM	RING MOUNT WELDMENT		68.81	206.42
2	3	X-TBW	T-BRACKET WELDMENT		13.60	40.80
3	6	SHCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.86	11.15
4	6	X-232697	TRPD-HD DIAGONAL ANGLE - SITE PRO 1	52 1/2 in	14.35	86.08
5	12	X-STU	STIFF ARM CHANNEL BRACKET	8 1/2 in	1.37	16.46
6	12	G12112	1/2" x 1-1/2" HDG HEX BOLT GR5	1/2 in	0.15	1.77
7	3	G12212	1/2" x 2-1/2" HDG HEX BOLT GR5	2 1/2 in	0.20	0.61
8	12	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	4.91
9	24	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.82
10	27	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.38
11	27	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.93
12	12	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	3.75
13	9	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	0.40	3.59
13	9	G58R-48	5/8" x 48" THREADED ROD (HDG.)	48 in	0.40	3.59
14	30	G58LW	5/8" HDG LOCKWASHER		0.03	0.78
15	30	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	3.90
					TOTAL WT. #	587.71





DETAIL A



DETAIL B

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	CHANGED MAX. DIA. FOR HANDRAIL CONNECTION	SP1	BC	10/23/2017

REVISION HISTORY

DESCRIPTION: HANDRAIL REINFORCEMENT KIT

SITE PRO 1 — A valmont COMPANY

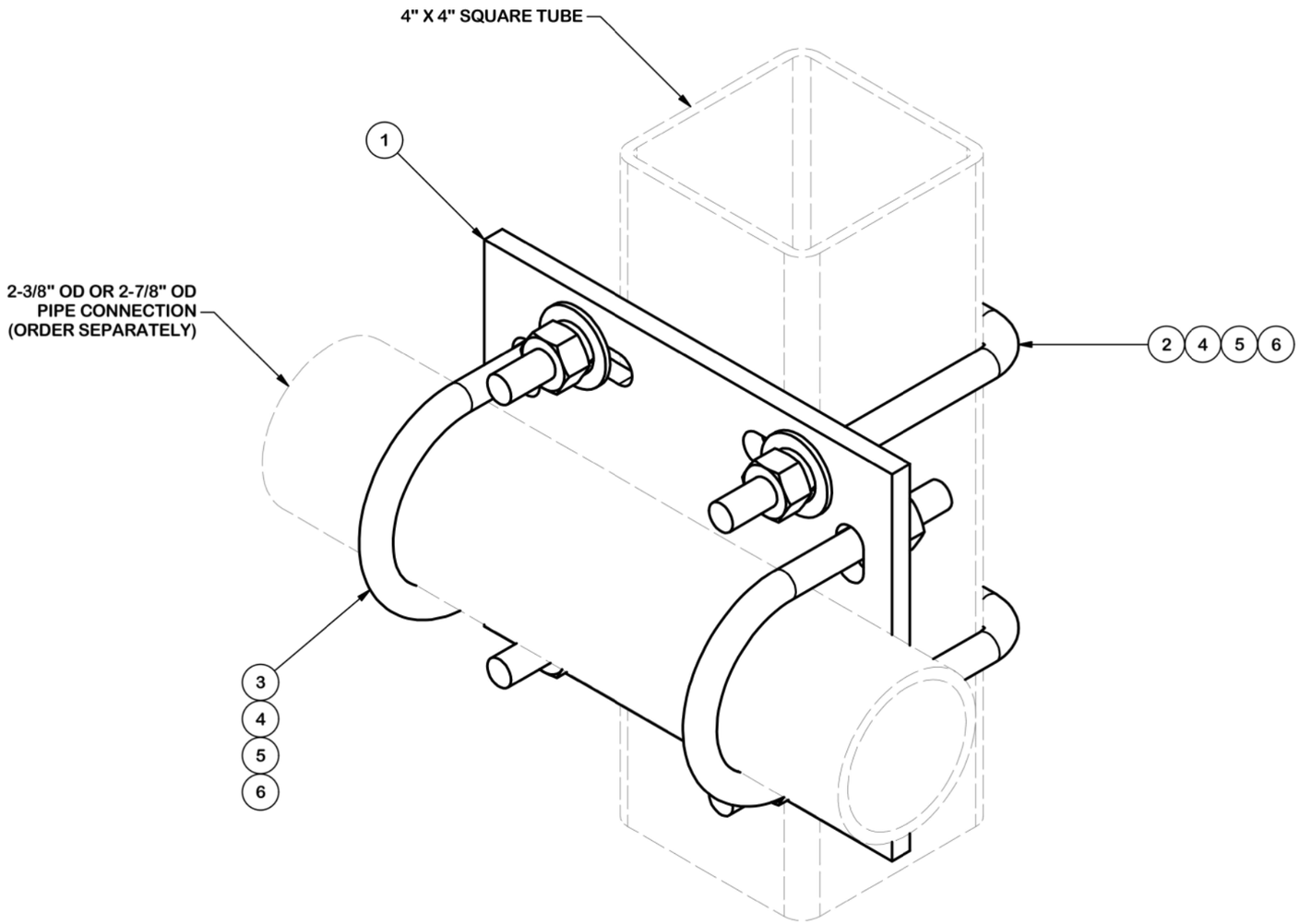
Engineering Support Team: 1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
SP1	CSL3 2/23/2017	3RD PARTY	PRK-SFS	1 OF 3

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	02	SHOP	BMC 3/16/2017	PRK-SFS

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

SITE PRO 1 — A valmont COMPANY

Engineering Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CSL 9/18/2018	3RD PARTY	SQCX4-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

Exhibit D

Structural Analysis Report

Date: **April 29, 2021**

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	469377
	Site Name:	East Hampton CT
Crown Castle Designation:	**BU Number:**	876352
	Site Name:	Richard Wall
	JDE Job Number:	644644
	Work Order Number:	1953635
	Order Number:	552639 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25645.534885
Site Data:	**94 East Hight Street, East Hampton, Middlesex County, CT 06424** **Latitude *41° 35' 14.20"*, Longitude *-72° 29' 19.60"*** **117.5 Foot - Monopole Tower**	

Tower Engineering Professionals 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**

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph as required by the 2018 Connecticut Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Amanda Dare, E.I. / CLT

Respectfully submitted by:

Aaron T. Rucker, P.E.

04/29/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 117.5-ft monopole tower designed by Engineered Endeavors, Inc. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	C
Topographic Factor:	1.0
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)
105.0	108.0	3	Andrew	LNX-6514DS-A1M w/ Mount Pipe	12 2	1-1/4 1-5/8
		6	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	VZW	Sub6 Antenna - VZS01 w/ Mount Pipe		
		2	RFS Celwave	DB-B1-6C-12AB-0Z		
		3	Commscope	CBC78T-DS-43-2X		
		3	Samsung Telecom.	RFV01U-D2A		
		3	Samsung Telecom.	RFV01U-D1A		
	105.0	1	Tower Mounts	Miscellaneous [NA 507-1]		
		1	Tower Mounts	Platform Mount [LP 1201-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
118.0	130.0	1	Decibel	DB420-A	4 1 2 1 1	1-5/8 5/8 7/8 3/8 1/2
		1	Decibel	DB264-A		
	126.0	1	Decibel	ASP-2011		
	119.0	3	RFS Celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	Ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		1	Gabriel Electronics	GHF3W-23		
		3	Ericsson	RADIO 4415 B66A_CCIV3		
		3	Ericsson	RADIO 4424 B25_TMO		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
	118.0	1	Site Pro 1	HRK 12-3HD		
		1	Tower Mounts	Platform Mount [LP 602-1]		
91.0	93.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	6 4 2	1-5/8 3/4 3/8
		3	CCI Antennas	HPA65R-BU6A w/ Mount Pipe		
		3	CCI Antennas	OPA65R-BU6BA-K w/ Mount Pipe		
		3	CCI Antennas	DMP65R-BU6D w/ Mount Pipe		
		2	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RADIO 4415 B30		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RADIO 4449 B5/B12		
		3	Ericsson	RRUS 8843 B2/B66A		
	91.0	6	Powerwave Technologies	LGP 17201		
		1	Site Pro 1	RMQLP-4120-H10		
82.0	83.0	4	Ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	2 4	1/2 1-1/4
		4	RFS Celwave	APXVAA24_43-U-A20 w/ Mount Pipe		
		4	RFS Celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		1	GPS	GPS_A		
		8	Andrew	641280-DF-2X		
		4	Ericsson	RRUS 11 B12		
		4	Ericsson	RADIO 4478		
		4	Ericsson	RRUS 11 B4		
		1	Commscope	SHPX3-11W		
	82.0	1	Tower Mounts	Platform Mount [LP 701-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
75.0	76.0	1	Lucent	KS24019-L112A	1	1/2
	75.0	1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1532964	CCISites
Tower Foundation Drawings	2122776	CCISites
Tower Manufacturer Drawings	2122777	CCISites
Post-Modification Inspection	1956331	CCISites
Tower Reinforcement Drawings	3250765	CCISites
Post-Modification Inspection	3404046	CCISites
Tower Reinforcement Drawings	8034413	CCISites
Post-Modification Inspection	8406841	CCISites

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.

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)[1,2]

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
117.5 - 112.5	Pole	TP16.266x15x0.1875	Pole	21.3%	Pass
112.5 - 107.5	Pole	TP17.531x16.266x0.1875	Pole	32.4%	Pass
107.5 - 102.5	Pole	TP18.797x17.531x0.1875	Pole	48.6%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
102.5 - 97.5	Pole	TP20.062x18.797x0.1875	Pole	61.7%	Pass
97.5 - 92.5	Pole	TP21.328x20.062x0.1875	Pole	72.4%	Pass
92.5 - 89.71	Pole	TP22.9x21.328x0.1875	Pole	82.7%	Pass
89.71 - 84.71	Pole	TP22.913x21.659x0.3125	Pole	57.2%	Pass
84.71 - 79.71	Pole	TP24.166x22.913x0.3125	Pole	67.1%	Pass
79.71 - 74.71	Pole	TP25.419x24.166x0.3125	Pole	75.7%	Pass
74.71 - 69.71	Pole	TP26.672x25.419x0.3125	Pole	82.4%	Pass
69.71 - 64.71	Pole	TP27.926x26.672x0.3125	Pole	87.8%	Pass
64.71 - 62.83	Pole	TP28.397x27.926x0.3125	Pole	89.5%	Pass
62.83 - 62.58	Pole + Reinf.	TP28.459x28.397x0.7375	Reinf. 2 Tension Rupture	61.0%	Pass
62.58 - 57.58	Pole + Reinf.	TP29.713x28.459x0.7125	Reinf. 2 Tension Rupture	65.3%	Pass
57.58 - 52.58	Pole + Reinf.	TP30.966x29.713x0.7	Reinf. 2 Tension Rupture	69.1%	Pass
52.58 - 47.58	Pole + Reinf.	TP32.219x30.966x0.675	Reinf. 2 Tension Rupture	72.4%	Pass
47.58 - 47.38	Pole + Reinf.	TP33.46x32.219x0.675	Reinf. 2 Tension Rupture	72.6%	Pass
47.38 - 42.38	Pole + Reinf.	TP32.896x31.644x0.675	Reinf. 2 Tension Rupture	77.7%	Pass
42.38 - 37.38	Pole + Reinf.	TP34.147x32.896x0.65	Reinf. 2 Tension Rupture	80.4%	Pass
37.38 - 32.38	Pole + Reinf.	TP35.398x34.147x0.6375	Reinf. 2 Tension Rupture	82.7%	Pass
32.38 - 31.75	Pole + Reinf.	TP35.555x35.398x0.6375	Reinf. 2 Tension Rupture	83.0%	Pass
31.75 - 31.5	Pole + Reinf.	TP35.618x35.555x0.7375	Reinf. 1 Bolt Shear	70.8%	Pass
31.5 - 26.5	Pole + Reinf.	TP36.869x35.618x0.725	Reinf. 1 Compression	70.0%	Pass
26.5 - 21.5	Pole + Reinf.	TP38.12x36.869x0.7125	Reinf. 1 Compression	71.6%	Pass
21.5 - 16.5	Pole + Reinf.	TP39.371x38.12x0.6875	Reinf. 1 Compression	73.1%	Pass
16.5 - 11.5	Pole + Reinf.	TP40.622x39.371x0.675	Reinf. 1 Compression	74.5%	Pass
11.5 - 6.5	Pole + Reinf.	TP41.874x40.622x0.6625	Reinf. 1 Compression	75.7%	Pass
6.5 - 1.5	Pole + Reinf.	TP43.125x41.874x0.65	Reinf. 1 Compression	76.7%	Pass
1.5 - 0	Pole + Reinf.	TP43.5x43.125x0.65	Reinf. 1 Bolt Shear	80.1%	Pass
				Summary	
			Pole	89.5%	Pass
			Reinforcement	83.0%	Pass
			Overall	**89.5%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	77.7	Pass
1,2	Base Plate	-	72.7	Pass
1,2	Base Foundation Soil Interaction	-	67.5	Pass
1,2	Base Foundation Structural	-	78.7	Pass

Structure Rating (max from all components) =	**89.5%**

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

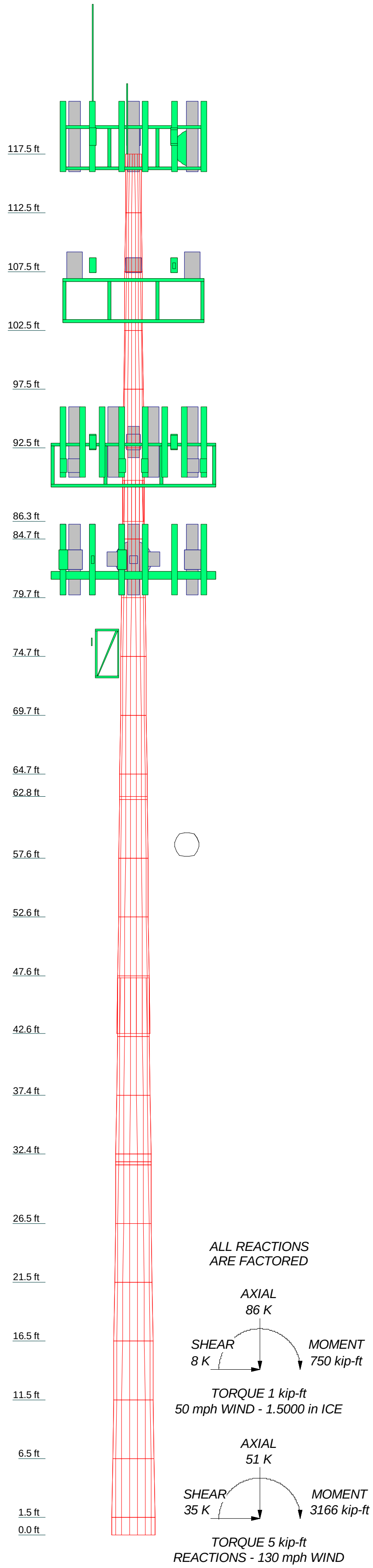
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	18	0.1875		15.0000	16.2656	A572-65	0.2
2	5.00	18	0.1875		16.2656	17.5312		0.2
3	5.00	18	0.1875		17.5312	18.7969		0.2
4	5.00	18	0.1875		18.7969	20.0625		0.2
5	5.00	18	0.1875		20.0625	21.3281		0.2
6	5.00 6.21	18	0.1875	3.42	21.3281	22.9000		0.3
7		18	0.3125		21.6593	22.9126		0.4
8	5.00	18	0.3125		22.9126	24.1658		0.4
9	5.00	18	0.3125		24.1658	25.4191		0.4
10	5.00	18	0.3125		25.4191	26.6724		0.4
11	5.00	18	0.3125		26.6724	27.9256		0.5
12	1.88	18	0.3125		[illegible]	[illegible]		0.2
13	0.25	18	[illegible]		[illegible]	[illegible]		0.0
14	5.00	18	0.7125		28.4595	29.7128		1.0
15	5.00	18	0.7000		29.7128	30.9660		1.0
16	5.00	18	0.6750		30.9660	32.2193		1.1
17	[illegible]	18	0.6750	4.75	32.2193	33.4600		1.1
18		18	0.6750		[illegible]	[illegible]		1.1
19	5.00	18	0.6500		32.8955	34.1466		1.1
20	5.00	18	0.6375		34.1466	35.3978		1.1
21	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
22	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
23	5.00	18	0.7250		35.6180	36.8691		1.3
24	5.00	18	0.7125		36.8691	38.1202		1.3
25	5.00	18	0.6875		38.1202	39.3713		1.4
26	5.00	18	0.6750		39.3713	40.6224		1.4
27	5.00	18	0.6625		40.6224	41.8735		1.4
28	5.00	18	0.6500		41.8735	43.1247		1.4
29	1.50	18	0.6500		43.1247	43.5000		0.4
								19.9



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 130 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 0.00 ft
8. Tower Rating: 89.5%

Tower Engineering Professionals

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: ***Richard Wall (BU 876352)***		
Project: ***TEP No. 25645.534885***		
Client: Crown Castle	Drawn by: JSC	App'd:
Code: TIA-222-H	Date: 04/29/21	Scale: NTS
Path: C:\Users\jcoppedge\Desktop\IP\Richard Wall\tnx\876352_1953635_LC7.eri		Dwg No. E-1

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

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 Middlesex County, Connecticut.
Tower base elevation above sea level: 665.00 ft.
Basic wind speed of 130 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.5000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Tower Rating: 89.5%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	117.50-112.50	5.00	0.00	18	15.0000	16.2656	0.1875	0.7500	A572-65 (65 ksi)
L2	112.50-107.50	5.00	0.00	18	16.2656	17.5312	0.1875	0.7500	A572-65 (65 ksi)
L3	107.50-102.50	5.00	0.00	18	17.5312	18.7969	0.1875	0.7500	A572-65 (65 ksi)
L4	102.50-97.50	5.00	0.00	18	18.7969	20.0625	0.1875	0.7500	A572-65 (65 ksi)
L5	97.50-92.50	5.00	0.00	18	20.0625	21.3281	0.1875	0.7500	A572-65 (65 ksi)
L6	92.50-86.29	6.21	3.42	18	21.3281	22.9000	0.1875	0.7500	A572-65 (65 ksi)
L7	86.29-84.71	5.00	0.00	18	21.6593	22.9126	0.3125	1.2500	A572-65 (65 ksi)
L8	84.71-79.71	5.00	0.00	18	22.9126	24.1658	0.3125	1.2500	A572-65 (65 ksi)
L9	79.71-74.71	5.00	0.00	18	24.1658	25.4191	0.3125	1.2500	A572-65 (65 ksi)
L10	74.71-69.71	5.00	0.00	18	25.4191	26.6724	0.3125	1.2500	A572-65 (65 ksi)
L11	69.71-64.71	5.00	0.00	18	26.6724	27.9256	0.3125	1.2500	A572-65 (65 ksi)
L12	64.71-62.83	1.88	0.00	18	27.9256	28.3968	0.3125	1.2500	A572-65 (65 ksi)
L13	62.83-62.58	0.25	0.00	18	28.3968	28.4595	0.7375	2.9500	A572-65 (65 ksi)
L14	62.58-57.58	5.00	0.00	18	28.4595	29.7128	0.7125	2.8500	A572-65 (65 ksi)
L15	57.58-52.58	5.00	0.00	18	29.7128	30.9660	0.7000	2.8000	A572-65 (65 ksi)
L16	52.58-47.58	5.00	0.00	18	30.9660	32.2193	0.6750	2.7000	A572-65 (65 ksi)
L17	47.58-42.63	4.95	4.75	18	32.2193	33.4600	0.6750	2.7000	A572-65 (65 ksi)
L18	42.63-42.38	5.00	0.00	18	31.6444	32.8955	0.6750	2.7000	A572-65 (65 ksi)
L19	42.38-37.38	5.00	0.00	18	32.8955	34.1466	0.6500	2.6000	A572-65 (65 ksi)
L20	37.38-32.38	5.00	0.00	18	34.1466	35.3978	0.6375	2.5500	A572-65 (65 ksi)
L21	32.38-31.75	0.63	0.00	18	35.3978	35.5554	0.6375	2.5500	A572-65 (65 ksi)
L22	31.75-31.50	0.25	0.00	18	35.5554	35.6180	0.7375	2.9500	A572-65 (65 ksi)
L23	31.50-26.50	5.00	0.00	18	35.6180	36.8691	0.7250	2.9000	A572-65 (65 ksi)
L24	26.50-21.50	5.00	0.00	18	36.8691	38.1202	0.7125	2.8500	A572-65 (65 ksi)
L25	21.50-16.50	5.00	0.00	18	38.1202	39.3713	0.6875	2.7500	A572-65 (65 ksi)
L26	16.50-11.50	5.00	0.00	18	39.3713	40.6224	0.6750	2.7000	A572-65 (65 ksi)
L27	11.50-6.50	5.00	0.00	18	40.6224	41.8735	0.6625	2.6500	A572-65 (65 ksi)
L28	6.50-1.50	5.00	0.00	18	41.8735	43.1247	0.6500	2.6000	A572-65 (65 ksi)
L29	1.50-0.00	1.50		18	43.1247	43.5000	0.6500	2.6000	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	15.2025	8.8153	244.3603	5.2584	7.6200	32.0683	489.0422	4.4085	2.3100	12.32
	16.4876	9.5685	312.5010	5.7077	8.2629	37.8196	625.4132	4.7852	2.5327	13.508
L2	16.4876	9.5685	312.5010	5.7077	8.2629	37.8196	625.4132	4.7852	2.5327	13.508
	17.7728	10.3217	392.2599	6.1570	8.9059	44.0451	785.0359	5.1618	2.7555	14.696
L3	17.7728	10.3217	392.2599	6.1570	8.9059	44.0451	785.0359	5.1618	2.7555	14.696
	19.0579	11.0749	484.5515	6.6063	9.5488	50.7447	969.7406	5.5385	2.9782	15.884
L4	19.0579	11.0749	484.5515	6.6063	9.5488	50.7447	969.7406	5.5385	2.9782	15.884
	20.3431	11.8281	590.2904	7.0556	10.1917	57.9185	1181.3576	5.9152	3.2010	17.072
L5	20.3431	11.8281	590.2904	7.0556	10.1917	57.9185	1181.3576	5.9152	3.2010	17.072
	21.6282	12.5813	710.3912	7.5049	10.8347	65.5665	1421.7171	6.2918	3.4237	18.26
L6	21.6282	12.5813	710.3912	7.5049	10.8347	65.5665	1421.7171	6.2918	3.4237	18.26
	23.2243	13.5168	880.9281	8.0629	11.6332	75.7253	1763.0154	6.7597	3.7004	19.735
L7	22.8157	21.1734	1218.9720	7.5781	11.0029	110.7861	2439.5479	10.5887	3.2620	10.439
	23.2178	22.4164	1446.5186	8.0230	11.6396	124.2758	2894.9407	11.2104	3.4826	11.144
L8	23.2178	22.4164	1446.5186	8.0230	11.6396	124.2758	2894.9407	11.2104	3.4826	11.144
	24.4904	23.6595	1700.7544	8.4679	12.2762	138.5403	3403.7467	11.8320	3.7032	11.85
L9	24.4904	23.6595	1700.7544	8.4679	12.2762	138.5403	3403.7467	11.8320	3.7032	11.85
	25.7630	24.9026	1983.1597	8.9128	12.9129	153.5797	3968.9289	12.4537	3.9238	12.556
L10	25.7630	24.9026	1983.1597	8.9128	12.9129	153.5797	3968.9289	12.4537	3.9238	12.556
	27.0356	26.1457	2295.2143	9.3577	13.5496	169.3941	4593.4488	13.0753	4.1443	13.262
L11	27.0356	26.1457	2295.2143	9.3577	13.5496	169.3941	4593.4488	13.0753	4.1443	13.262
	28.3082	27.3888	2638.3983	9.8027	14.1862	185.9833	5280.2683	13.6970	4.3649	13.968
L12	28.3082	27.3888	2638.3983	9.8027	14.1862	185.9833	5280.2683	13.6970	4.3649	13.968
	28.7867	27.8561	2775.7914	9.9699	14.4256	192.4213	5555.2353	13.9307	4.4478	14.233
L13	28.7211	64.7457	6257.9430	9.8191	14.4256	433.8084	12524.1203	32.3790	3.6998	5.017
	28.7848	64.8923	6300.5720	9.8413	14.4574	435.8018	12609.4345	32.4523	3.7109	5.032
L14	28.7886	62.7491	6103.4761	9.8502	14.4574	422.1690	12214.9834	31.3805	3.7549	5.27
	30.0612	65.5834	6968.4267	10.2951	15.0941	461.6662	13946.0226	32.7979	3.9754	5.58
L15	30.0631	64.4605	6855.0302	10.2995	15.0941	454.1536	13719.0803	32.2364	3.9974	5.711
	31.3357	67.2450	7782.3031	10.7444	15.7307	494.7196	15574.8464	33.6289	4.2180	6.026
L16	31.3396	64.8970	7522.9751	10.7533	15.7307	478.2342	15055.8491	32.4547	4.2620	6.314
	32.6122	67.5820	8495.9071	11.1982	16.3674	519.0752	17002.9933	33.7974	4.4826	6.641
L17	32.6122	67.5820	8495.9071	11.1982	16.3674	519.0752	17002.9933	33.7974	4.4826	6.641
	33.8720	70.2402	9538.3600	11.6387	16.9977	561.1566	19089.2708	35.1268	4.7010	6.964
L18	33.2353	66.3504	8039.8267	10.9941	16.0754	500.1336	16090.2324	33.1815	4.3814	6.491
	33.2989	69.0309	9054.1120	11.4383	16.7109	541.8079	18120.1376	34.5220	4.6016	6.817
L19	33.3027	66.5257	8739.0850	11.4472	16.7109	522.9564	17489.6692	33.2692	4.6456	7.147
	34.5731	69.1069	9796.2871	11.8913	17.3465	564.7416	19605.4644	34.5600	4.8658	7.486
L20	34.5751	67.8032	9618.6572	11.8957	17.3465	554.5015	19249.9708	33.9081	4.8878	7.667
	35.8455	70.3348	10736.7681	12.3399	17.9821	597.0822	21487.6639	35.1741	5.1080	8.013
L21	35.8455	70.3348	10736.7681	12.3399	17.9821	597.0822	21487.6639	35.1741	5.1080	8.013
	36.0056	70.6538	10883.5083	12.3959	18.0621	602.5591	21781.3374	35.3336	5.1358	8.056
L22	35.9901	81.5026	12482.8605	12.3604	18.0621	691.1063	24982.1463	40.7590	4.9598	6.725
	36.0536	81.6490	12550.2639	12.3826	18.0939	693.6177	25117.0418	40.8323	4.9708	6.74
L23	36.0556	80.2939	12350.8165	12.3870	18.0939	682.5948	24717.8844	40.1546	4.9928	6.887
	37.3260	83.1729	13727.5706	12.8311	18.7295	732.9389	27473.2044	41.5944	5.2130	7.19
L24	37.3279	81.7672	13504.8902	12.8356	18.7295	721.0496	27027.5505	40.8914	5.2350	7.347
	38.5983	84.5966	14955.8804	13.2797	19.3651	772.3127	29931.4401	42.3063	5.4552	7.656
L25	38.6022	81.6828	14460.0654	13.2886	19.3651	746.7091	28939.1578	40.8492	5.4992	7.999
	39.8726	84.4129	15958.9678	13.7328	20.0006	797.9234	31938.9349	42.2145	5.7194	8.319
L26	39.8745	82.9049	15683.9990	13.7372	20.0006	784.1754	31388.6354	41.4603	5.7414	8.506
	41.1450	85.5854	17254.9861	14.1813	20.6362	836.1516	34532.6767	42.8008	5.9615	8.832
L27	41.1469	84.0267	16951.3522	14.1858	20.6362	821.4379	33925.0093	42.0214	5.9835	9.032
	42.4173	86.6576	18593.9290	14.6299	21.2718	874.1133	37212.3244	43.3370	6.2037	9.364
L28	42.4192	85.0483	18259.7055	14.6344	21.2718	858.4012	36543.4376	42.5322	6.2257	9.578

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
	43.6897	87.6295	19973.1984	15.0785	21.9073	911.7130	39972.6780	43.8231	6.4459	9.917
L29	43.6897	87.6295	19973.1984	15.0785	21.9073	911.7130	39972.6780	43.8231	6.4459	9.917
	44.0708	88.4038	20507.3814	15.2118	22.0980	928.0198	41041.7469	44.2103	6.5120	10.018

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 117.50-112.50				1	1	1			
L2 112.50-107.50				1	1	1			
L3 107.50-102.50				1	1	1			
L4 102.50-97.50				1	1	1			
L5 97.50-92.50				1	1	1			
L6 92.50-86.29				1	1	1			
L7 86.29-84.71				1	1	1			
L8 84.71-79.71				1	1	1			
L9 79.71-74.71				1	1	1			
L10 74.71-69.71				1	1	1			
L11 69.71-64.71				1	1	1			
L12 64.71-62.83				1	1	1			
L13 62.83-62.58				1	1	0.931072			
L14 62.58-57.58				1	1	0.940216			
L15 57.58-52.58				1	1	0.935469			
L16 52.58-47.58				1	1	0.949198			
L17 47.58-42.63				1	1	0.948426			
L18 42.63-42.38				1	1	0.938992			
L19 42.38-37.38				1	1	0.955916			
L20 37.38-32.38				1	1	0.956872			
L21 32.38-31.75				1	1	0.954765			
L22 31.75-31.50				1	1	0.949431			
L23 31.50-26.50				1	1	0.946956			
L24 26.50-21.50				1	1	0.945689			
L25 21.50-16.50				1	1	0.962447			
L26 16.50-11.50				1	1	0.963762			
L27 11.50-6.50				1	1	0.966158			
L28 6.50-1.50				1	1	0.969603			
L29 1.50-0.00				1	1	0.965322			

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 plf
***										
Safety Line 3/8	B	No	Surface Ar (CaAa)	117.50 - 0.00	1	1	0.250 0.250	0.3750		0.22
HB158-1-08U8-S8F18(1-5/8)	A	No	Surface Ar (CaAa)	105.00 - 0.00	2	2	0.250 0.250	1.9800		1.70
WR-VG86ST-BRD(3/4)	B	No	Surface Ar (CaAa)	91.00 - 0.00	2	2	0.500 0.500	0.7950		0.58
FB-L98B-002-75000(3/8)	B	No	Surface Ar (CaAa)	91.00 - 0.00	1	1	0.500 0.500	0.3937		0.06
75										
LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	75.00 - 0.00	1	1	0.250 0.250	0.6250		0.15
*****										
(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.500 0.500	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	B	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.250 0.250	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	C	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.000 0.000	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	-0.250 -0.250	8.5000	19.5000	0.00
****										
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.500 0.500	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.250 0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	65.58 - 35.50	1	1	-0.250 -0.250	6.5000	15.5000	0.00
*****										
Aero MP3-04	A	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.000 0.000	4.7800	12.7800	14.10
Aero MP3-04	B	No	Surface Af (CaAa)	7.50 - 0.00	1	1	0.000 0.000	4.7800	12.7800	14.10
Aero MP3-04	B	No	Surface Af (CaAa)	30.50 - 11.50	1	1	0.000 0.000	4.7800	12.7800	14.10
Aero MP3-03	A	No	Surface Af (CaAa)	47.00 - 27.00	1	1	0.000 0.000	4.0600	11.2600	9.90
Aero MP3-03	B	No	Surface Af (CaAa)	47.00 - 27.00	1	1	0.000 0.000	4.0600	11.2600	9.90

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 plf
118									
LDF4.5-50(5/8")	C	No	No	Inside Pole	117.50 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	117.50 - 0.00	4	No Ice	0.00	2.50
							1/2" Ice	0.00	2.50
							1" Ice	0.00	2.50
							2" Ice	0.00	2.50
LDF2-50A(3/8)	A	No	No	Inside Pole	117.50 - 0.00	1	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
							2" Ice	0.00	0.08
LDF4-50A(1/2)	A	No	No	Inside Pole	117.50 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
LDF5-50A(7/8)	A	No	No	Inside Pole	117.50 - 0.00	2	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
105 LDF6-50A(1-1/4)	A	No	No	Inside Pole	105.00 - 0.00	12	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
82 LDF4-50A(1/2)	B	No	No	Inside Pole	82.00 - 0.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
HB114-U6S12-XXX -LI(1-1/4)	B	No	No	Inside Pole	82.00 - 0.00	4	No Ice	0.00	1.70
							1/2" Ice	0.00	1.70
							1" Ice	0.00	1.70
							2" Ice	0.00	1.70
91 2" Flex Conduit	C	No	No	Inside Pole	91.00 - 0.00	2	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
							2" Ice	0.00	0.36
LCF158-50A(1-5/8)	C	No	No	Inside Pole	91.00 - 0.00	6	No Ice	0.00	0.80
							1/2" Ice	0.00	0.80
							1" Ice	0.00	0.80
							2" Ice	0.00	0.80
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	91.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
FB-L98B-002-75000 (3/8)	C	No	No	Inside Pole	91.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06

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	117.50-112.50	A	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L2	112.50-107.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L3	107.50-102.50	A	0.000	0.000	0.990	0.000	0.03
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L4	102.50-97.50	A	0.000	0.000	1.980	0.000	0.06
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L5	97.50-92.50	A	0.000	0.000	1.980	0.000	0.06
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L6	92.50-86.29	A	0.000	0.000	2.459	0.000	0.07
		B	0.000	0.000	1.167	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L7	86.29-84.71	A	0.000	0.000	0.626	0.000	0.02
		B	0.000	0.000	0.373	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.03
L8	84.71-79.71	A	0.000	0.000	1.980	0.000	0.06
		B	0.000	0.000	1.179	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.08
L9	79.71-74.71	A	0.000	0.000	1.980	0.000	0.06
		B	0.000	0.000	1.179	0.000	0.04
		C	0.000	0.000	0.018	0.000	0.08
L10	74.71-69.71	A	0.000	0.000	1.980	0.000	0.06
		B	0.000	0.000	1.179	0.000	0.04
		C	0.000	0.000	0.313	0.000	0.09
L11	69.71-64.71	A	0.000	0.000	3.865	0.000	0.06
		B	0.000	0.000	2.122	0.000	0.04
		C	0.000	0.000	1.255	0.000	0.09
L12	64.71-62.83	A	0.000	0.000	4.818	0.000	0.02
		B	0.000	0.000	2.480	0.000	0.02
		C	0.000	0.000	2.154	0.000	0.03
L13	62.83-62.58	A	0.000	0.000	0.641	0.000	0.00
		B	0.000	0.000	0.330	0.000	0.00
		C	0.000	0.000	0.286	0.000	0.00
L14	62.58-57.58	A	0.000	0.000	12.813	0.000	0.06
		B	0.000	0.000	6.596	0.000	0.04
		C	0.000	0.000	5.729	0.000	0.09
L15	57.58-52.58	A	0.000	0.000	12.813	0.000	0.06
		B	0.000	0.000	6.596	0.000	0.04
		C	0.000	0.000	5.729	0.000	0.09
L16	52.58-47.58	A	0.000	0.000	12.813	0.000	0.06
		B	0.000	0.000	6.596	0.000	0.04
		C	0.000	0.000	5.729	0.000	0.09
L17	47.58-42.63	A	0.000	0.000	15.642	0.000	0.10
		B	0.000	0.000	9.487	0.000	0.09
		C	0.000	0.000	5.672	0.000	0.08
L18	42.63-42.38	A	0.000	0.000	0.810	0.000	0.01
		B	0.000	0.000	0.499	0.000	0.00
		C	0.000	0.000	0.286	0.000	0.00
L19	42.38-37.38	A	0.000	0.000	16.197	0.000	0.11
		B	0.000	0.000	9.979	0.000	0.09
		C	0.000	0.000	5.729	0.000	0.09
L20	37.38-32.38	A	0.000	0.000	18.277	0.000	0.11
		B	0.000	0.000	11.019	0.000	0.09
		C	0.000	0.000	6.769	0.000	0.09
L21	32.38-31.75	A	0.000	0.000	2.461	0.000	0.01
		B	0.000	0.000	1.467	0.000	0.01

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	0.932	0.000	0.01
L22	31.75-31.50	A	0.000	0.000	0.977	0.000	0.01
		B	0.000	0.000	0.582	0.000	0.00
		C	0.000	0.000	0.370	0.000	0.00
L23	31.50-26.50	A	0.000	0.000	22.378	0.000	0.16
		B	0.000	0.000	14.494	0.000	0.14
		C	0.000	0.000	7.396	0.000	0.09
L24	26.50-21.50	A	0.000	0.000	20.130	0.000	0.13
		B	0.000	0.000	12.246	0.000	0.11
		C	0.000	0.000	7.396	0.000	0.09
L25	21.50-16.50	A	0.000	0.000	20.130	0.000	0.13
		B	0.000	0.000	12.246	0.000	0.11
		C	0.000	0.000	7.396	0.000	0.09
L26	16.50-11.50	A	0.000	0.000	20.130	0.000	0.13
		B	0.000	0.000	12.246	0.000	0.11
		C	0.000	0.000	7.396	0.000	0.09
L27	11.50-6.50	A	0.000	0.000	20.130	0.000	0.13
		B	0.000	0.000	8.964	0.000	0.06
		C	0.000	0.000	7.396	0.000	0.09
L28	6.50-1.50	A	0.000	0.000	20.130	0.000	0.13
		B	0.000	0.000	11.771	0.000	0.11
		C	0.000	0.000	7.396	0.000	0.09
L29	1.50-0.00	A	0.000	0.000	6.039	0.000	0.04
		B	0.000	0.000	3.531	0.000	0.03
		C	0.000	0.000	2.219	0.000	0.03

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	117.50-112.50	A	1.444	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	1.632	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.05
L2	112.50-107.50	A	1.438	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	1.626	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.05
L3	107.50-102.50	A	1.431	0.000	0.000	2.132	0.000	0.05
		B		0.000	0.000	1.619	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.05
L4	102.50-97.50	A	1.424	0.000	0.000	4.256	0.000	0.10
		B		0.000	0.000	1.612	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.05
L5	97.50-92.50	A	1.417	0.000	0.000	4.246	0.000	0.10
		B		0.000	0.000	1.605	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.05
L6	92.50-86.29	A	1.409	0.000	0.000	5.261	0.000	0.12
		B		0.000	0.000	6.089	0.000	0.06
		C		0.000	0.000	0.000	0.000	0.09
L7	86.29-84.71	A	1.402	0.000	0.000	1.338	0.000	0.03
		B		0.000	0.000	1.882	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.03
L8	84.71-79.71	A	1.397	0.000	0.000	4.221	0.000	0.10
		B		0.000	0.000	5.918	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.08
L9	79.71-74.71	A	1.388	0.000	0.000	4.210	0.000	0.10
		B		0.000	0.000	5.889	0.000	0.10
		C		0.000	0.000	0.099	0.000	0.09

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
L10	74.71-69.71	A	1.379	0.000	0.000	4.199	0.000	0.10
		B		0.000	0.000	5.859	0.000	0.10
		C		0.000	0.000	1.691	0.000	0.10
L11	69.71-64.71	A	1.369	0.000	0.000	6.548	0.000	0.12
		B		0.000	0.000	7.008	0.000	0.10
		C		0.000	0.000	2.862	0.000	0.11
L12	64.71-62.83	A	1.362	0.000	0.000	6.668	0.000	0.08
		B		0.000	0.000	4.731	0.000	0.06
		C		0.000	0.000	3.178	0.000	0.06
L13	62.83-62.58	A	1.360	0.000	0.000	0.886	0.000	0.01
		B		0.000	0.000	0.629	0.000	0.01
		C		0.000	0.000	0.422	0.000	0.01
L14	62.58-57.58	A	1.354	0.000	0.000	17.708	0.000	0.21
		B		0.000	0.000	12.548	0.000	0.15
		C		0.000	0.000	8.437	0.000	0.16
L15	57.58-52.58	A	1.342	0.000	0.000	17.670	0.000	0.20
		B		0.000	0.000	12.498	0.000	0.15
		C		0.000	0.000	8.413	0.000	0.16
L16	52.58-47.58	A	1.329	0.000	0.000	17.628	0.000	0.20
		B		0.000	0.000	12.444	0.000	0.15
		C		0.000	0.000	8.388	0.000	0.15
L17	47.58-42.63	A	1.315	0.000	0.000	21.514	0.000	0.28
		B		0.000	0.000	16.368	0.000	0.22
		C		0.000	0.000	8.276	0.000	0.15
L18	42.63-42.38	A	1.308	0.000	0.000	1.114	0.000	0.01
		B		0.000	0.000	0.854	0.000	0.01
		C		0.000	0.000	0.418	0.000	0.01
L19	42.38-37.38	A	1.299	0.000	0.000	22.214	0.000	0.29
		B		0.000	0.000	17.000	0.000	0.23
		C		0.000	0.000	8.328	0.000	0.15
L20	37.38-32.38	A	1.282	0.000	0.000	24.220	0.000	0.30
		B		0.000	0.000	17.949	0.000	0.24
		C		0.000	0.000	9.333	0.000	0.16
L21	32.38-31.75	A	1.271	0.000	0.000	3.204	0.000	0.04
		B		0.000	0.000	2.333	0.000	0.03
		C		0.000	0.000	1.252	0.000	0.02
L22	31.75-31.50	A	1.270	0.000	0.000	1.271	0.000	0.02
		B		0.000	0.000	0.926	0.000	0.01
		C		0.000	0.000	0.497	0.000	0.01
L23	31.50-26.50	A	1.259	0.000	0.000	29.103	0.000	0.38
		B		0.000	0.000	22.182	0.000	0.32
		C		0.000	0.000	9.913	0.000	0.16
L24	26.50-21.50	A	1.235	0.000	0.000	25.874	0.000	0.32
		B		0.000	0.000	18.928	0.000	0.26
		C		0.000	0.000	9.866	0.000	0.16
L25	21.50-16.50	A	1.206	0.000	0.000	25.752	0.000	0.32
		B		0.000	0.000	18.779	0.000	0.25
		C		0.000	0.000	9.809	0.000	0.16
L26	16.50-11.50	A	1.170	0.000	0.000	25.598	0.000	0.31
		B		0.000	0.000	18.588	0.000	0.25
		C		0.000	0.000	9.736	0.000	0.15
L27	11.50-6.50	A	1.119	0.000	0.000	25.383	0.000	0.30
		B		0.000	0.000	14.043	0.000	0.15
		C		0.000	0.000	9.635	0.000	0.15
L28	6.50-1.50	A	1.032	0.000	0.000	25.012	0.000	0.28
		B		0.000	0.000	16.918	0.000	0.23
		C		0.000	0.000	9.460	0.000	0.14
L29	1.50-0.00	A	0.873	0.000	0.000	7.301	0.000	0.08
		B		0.000	0.000	4.848	0.000	0.06
		C		0.000	0.000	2.743	0.000	0.04

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L1	117.50-112.50	0.2997	0.0000	1.1876	0.0000
L2	112.50-107.50	0.3000	0.0000	1.2073	0.0000
L3	107.50-102.50	-0.4906	-1.2939	0.2578	-1.1878
L4	102.50-97.50	-1.0712	-2.2496	-0.3381	-1.9569
L5	97.50-92.50	-1.0817	-2.2736	-0.3451	-2.0074
L6	92.50-86.29	-0.2381	-1.6762	0.9556	-0.9527
L7	86.29-84.71	0.0004	-1.5120	1.2829	-0.6992
L8	84.71-79.71	0.0026	-1.5233	1.3036	-0.7125
L9	79.71-74.71	-0.0051	-1.5180	1.3125	-0.6902
L10	74.71-69.71	-0.1727	-1.1984	0.9400	-0.0879
L11	69.71-64.71	0.7063	-0.0810	1.2850	0.3675
L12	64.71-62.83	2.1920	1.8169	2.1346	1.5524
L13	62.83-62.58	2.2101	1.8321	2.1508	1.5646
L14	62.58-57.58	2.2482	1.8643	2.1873	1.5921
L15	57.58-52.58	2.3195	1.9245	2.2555	1.6436
L16	52.58-47.58	2.3893	1.9834	2.3217	1.6936
L17	47.58-42.63	2.1011	0.4958	2.1011	0.5066
L18	42.63-42.38	2.0627	0.3270	2.0698	0.3671
L19	42.38-37.38	2.0940	0.3338	2.0976	0.3725
L20	37.38-32.38	2.3508	0.7051	2.2757	0.6044
L21	32.38-31.75	2.4887	0.9035	2.3755	0.7357
L22	31.75-31.50	2.4950	0.9060	2.3811	0.7377
L23	31.50-26.50	2.2708	-0.1487	2.2028	-0.1417
L24	26.50-21.50	2.5378	0.6956	2.4344	0.6100
L25	21.50-16.50	2.6032	0.7164	2.4898	0.6256
L26	16.50-11.50	2.6678	0.7370	2.5420	0.6400
L27	11.50-6.50	1.6787	1.5206	1.6874	1.2946
L28	6.50-1.50	2.6461	0.8841	2.4254	0.8017
L29	1.50-0.00	2.6842	0.8984	2.4253	0.7896

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	2	Safety Line 3/8	112.50 - 117.50	1.0000	1.0000
L2	2	Safety Line 3/8	107.50 - 112.50	1.0000	1.0000
L3	2	Safety Line 3/8	102.50 - 107.50	1.0000	1.0000
L3	12	HB158-1-08U8-S8F18(1-5/8)	102.50 - 105.00	1.0000	1.0000
L4	2	Safety Line 3/8	97.50 - 102.50	1.0000	1.0000
L4	12	HB158-1-08U8-S8F18(1-5/8)	97.50 - 102.50	1.0000	1.0000
L5	2	Safety Line 3/8	92.50 - 97.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L5	12	HB158-1-08U8-S8F18(1-5/8)	92.50 - 97.50	1.0000	1.0000
L6	2	Safety Line 3/8	86.29 - 92.50	1.0000	1.0000
L6	12	HB158-1-08U8-S8F18(1-5/8)	86.29 - 92.50	1.0000	1.0000
L6	19	WR-VG86ST-BRD(3/4)	86.29 - 91.00	1.0000	1.0000
L6	20	FB-L98B-002-75000(3/8)	86.29 - 91.00	1.0000	1.0000
L7	2	Safety Line 3/8	84.71 - 86.29	1.0000	1.0000
L7	12	HB158-1-08U8-S8F18(1-5/8)	84.71 - 86.29	1.0000	1.0000
L7	19	WR-VG86ST-BRD(3/4)	84.71 - 86.29	1.0000	1.0000
L7	20	FB-L98B-002-75000(3/8)	84.71 - 86.29	1.0000	1.0000
L8	2	Safety Line 3/8	79.71 - 84.71	1.0000	1.0000
L8	12	HB158-1-08U8-S8F18(1-5/8)	79.71 - 84.71	1.0000	1.0000
L8	19	WR-VG86ST-BRD(3/4)	79.71 - 84.71	1.0000	1.0000
L8	20	FB-L98B-002-75000(3/8)	79.71 - 84.71	1.0000	1.0000
L9	2	Safety Line 3/8	74.71 - 79.71	1.0000	1.0000
L9	12	HB158-1-08U8-S8F18(1-5/8)	74.71 - 79.71	1.0000	1.0000
L9	19	WR-VG86ST-BRD(3/4)	74.71 - 79.71	1.0000	1.0000
L9	20	FB-L98B-002-75000(3/8)	74.71 - 79.71	1.0000	1.0000
L9	24	LDF4-50A(1/2)	74.71 - 75.00	1.0000	1.0000
L10	2	Safety Line 3/8	69.71 - 74.71	1.0000	1.0000
L10	12	HB158-1-08U8-S8F18(1-5/8)	69.71 - 74.71	1.0000	1.0000
L10	19	WR-VG86ST-BRD(3/4)	69.71 - 74.71	1.0000	1.0000
L10	20	FB-L98B-002-75000(3/8)	69.71 - 74.71	1.0000	1.0000
L10	24	LDF4-50A(1/2)	69.71 - 74.71	1.0000	1.0000
L11	2	Safety Line 3/8	64.71 - 69.71	1.0000	1.0000
L11	12	HB158-1-08U8-S8F18(1-5/8)	64.71 - 69.71	1.0000	1.0000
L11	19	WR-VG86ST-BRD(3/4)	64.71 - 69.71	1.0000	1.0000
L11	20	FB-L98B-002-75000(3/8)	64.71 - 69.71	1.0000	1.0000
L11	24	LDF4-50A(1/2)	64.71 - 69.71	1.0000	1.0000
L11	31	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	1.0000	1.0000
L11	32	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	1.0000	1.0000
L11	33	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	1.0000	1.0000
L11	34	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	1.0000	1.0000
L12	2	Safety Line 3/8	62.83 - 64.71	1.0000	1.0000
L12	12	HB158-1-08U8-S8F18(1-5/8)	62.83 - 64.71	1.0000	1.0000
L12	19	WR-VG86ST-BRD(3/4)	62.83 - 64.71	1.0000	1.0000
L12	20	FB-L98B-002-75000(3/8)	62.83 - 64.71	1.0000	1.0000
L12	24	LDF4-50A(1/2)	62.83 - 64.71	1.0000	1.0000
L12	31	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	1.0000	1.0000
L12	32	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	1.0000	1.0000
L12	33	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	1.0000	1.0000
L12	34	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	1.0000	1.0000
L13	2	Safety Line 3/8	62.58 - 62.83	1.0000	1.0000
L13	12	HB158-1-08U8-S8F18(1-5/8)	62.58 - 62.83	1.0000	1.0000
L13	19	WR-VG86ST-BRD(3/4)	62.58 - 62.83	1.0000	1.0000
L13	20	FB-L98B-002-75000(3/8)	62.58 - 62.83	1.0000	1.0000
L13	24	LDF4-50A(1/2)	62.58 - 62.83	1.0000	1.0000
L13	31	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	1.0000	1.0000
L13	32	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	1.0000	1.0000
L13	33	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	1.0000	1.0000
L13	34	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	1.0000	1.0000
L14	2	Safety Line 3/8	57.58 - 62.58	1.0000	1.0000
L14	12	HB158-1-08U8-S8F18(1-5/8)	57.58 - 62.58	1.0000	1.0000
L14	19	WR-VG86ST-BRD(3/4)	57.58 - 62.58	1.0000	1.0000
L14	20	FB-L98B-002-75000(3/8)	57.58 - 62.58	1.0000	1.0000
L14	24	LDF4-50A(1/2)	57.58 - 62.58	1.0000	1.0000
L14	31	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	1.0000	1.0000
L14	32	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	1.0000	1.0000
L14	33	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	1.0000	1.0000
L14	34	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	1.0000	1.0000
L15	2	Safety Line 3/8	52.58 - 57.58	1.0000	1.0000
L15	12	HB158-1-08U8-S8F18(1-5/8)	52.58 - 57.58	1.0000	1.0000
L15	19	WR-VG86ST-BRD(3/4)	52.58 - 57.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L15	20	FB-L98B-002-75000(3/8)	52.58 - 57.58	1.0000	1.0000
L15	24	LDF4-50A(1/2)	52.58 - 57.58	1.0000	1.0000
L15	31	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	1.0000	1.0000
L15	32	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	1.0000	1.0000
L15	33	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	1.0000	1.0000
L15	34	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	1.0000	1.0000
L16	2	Safety Line 3/8	47.58 - 52.58	1.0000	1.0000
L16	12	HB158-1-08U8-S8F18(1-5/8)	47.58 - 52.58	1.0000	1.0000
L16	19	WR-VG86ST-BRD(3/4)	47.58 - 52.58	1.0000	1.0000
L16	20	FB-L98B-002-75000(3/8)	47.58 - 52.58	1.0000	1.0000
L16	24	LDF4-50A(1/2)	47.58 - 52.58	1.0000	1.0000
L16	31	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	1.0000	1.0000
L16	32	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	1.0000	1.0000
L16	33	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	1.0000	1.0000
L16	34	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	1.0000	1.0000
L17	2	Safety Line 3/8	42.63 - 47.58	1.0000	1.0000
L17	12	HB158-1-08U8-S8F18(1-5/8)	42.63 - 47.58	1.0000	1.0000
L17	19	WR-VG86ST-BRD(3/4)	42.63 - 47.58	1.0000	1.0000
L17	20	FB-L98B-002-75000(3/8)	42.63 - 47.58	1.0000	1.0000
L17	24	LDF4-50A(1/2)	42.63 - 47.58	1.0000	1.0000
L17	31	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	1.0000	1.0000
L17	32	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	1.0000	1.0000
L17	33	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	1.0000	1.0000
L17	34	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	1.0000	1.0000
L17	39	Aero MP3-03	42.63 - 47.00	1.0000	1.0000
L17	40	Aero MP3-03	42.63 - 47.00	1.0000	1.0000
L18	2	Safety Line 3/8	42.38 - 42.63	1.0000	1.0000
L18	12	HB158-1-08U8-S8F18(1-5/8)	42.38 - 42.63	1.0000	1.0000
L18	19	WR-VG86ST-BRD(3/4)	42.38 - 42.63	1.0000	1.0000
L18	20	FB-L98B-002-75000(3/8)	42.38 - 42.63	1.0000	1.0000
L18	24	LDF4-50A(1/2)	42.38 - 42.63	1.0000	1.0000
L18	31	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	1.0000	1.0000
L18	32	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	1.0000	1.0000
L18	33	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	1.0000	1.0000
L18	34	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	1.0000	1.0000
L18	39	Aero MP3-03	42.38 - 42.63	1.0000	1.0000
L18	40	Aero MP3-03	42.38 - 42.63	1.0000	1.0000
L19	2	Safety Line 3/8	37.38 - 42.38	1.0000	1.0000
L19	12	HB158-1-08U8-S8F18(1-5/8)	37.38 - 42.38	1.0000	1.0000
L19	19	WR-VG86ST-BRD(3/4)	37.38 - 42.38	1.0000	1.0000
L19	20	FB-L98B-002-75000(3/8)	37.38 - 42.38	1.0000	1.0000
L19	24	LDF4-50A(1/2)	37.38 - 42.38	1.0000	1.0000
L19	31	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	1.0000	1.0000
L19	32	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	1.0000	1.0000
L19	33	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	1.0000	1.0000
L19	34	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	1.0000	1.0000
L19	39	Aero MP3-03	37.38 - 42.38	1.0000	1.0000
L19	40	Aero MP3-03	37.38 - 42.38	1.0000	1.0000
L20	2	Safety Line 3/8	32.38 - 37.38	1.0000	1.0000
L20	12	HB158-1-08U8-S8F18(1-5/8)	32.38 - 37.38	1.0000	1.0000
L20	19	WR-VG86ST-BRD(3/4)	32.38 - 37.38	1.0000	1.0000
L20	20	FB-L98B-002-75000(3/8)	32.38 - 37.38	1.0000	1.0000
L20	24	LDF4-50A(1/2)	32.38 - 37.38	1.0000	1.0000
L20	26	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	1.0000	1.0000
L20	27	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	1.0000	1.0000
L20	28	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	1.0000	1.0000
L20	29	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	1.0000	1.0000
L20	31	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	1.0000	1.0000
L20	32	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	1.0000	1.0000
L20	33	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	1.0000	1.0000
L20	34	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	1.0000	1.0000
L20	39	Aero MP3-03	32.38 - 37.38	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L20	40	Aero MP3-03	32.38 - 37.38	1.0000	1.0000
L21	2	Safety Line 3/8	31.75 - 32.38	1.0000	1.0000
L21	12	HB158-1-08U8-S8F18(1-5/8)	31.75 - 32.38	1.0000	1.0000
L21	19	WR-VG86ST-BRD(3/4)	31.75 - 32.38	1.0000	1.0000
L21	20	FB-L98B-002-75000(3/8)	31.75 - 32.38	1.0000	1.0000
L21	24	LDF4-50A(1/2)	31.75 - 32.38	1.0000	1.0000
L21	26	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	1.0000	1.0000
L21	27	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	1.0000	1.0000
L21	28	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	1.0000	1.0000
L21	29	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	1.0000	1.0000
L21	39	Aero MP3-03	31.75 - 32.38	1.0000	1.0000
L21	40	Aero MP3-03	31.75 - 32.38	1.0000	1.0000
L22	2	Safety Line 3/8	31.50 - 31.75	1.0000	1.0000
L22	12	HB158-1-08U8-S8F18(1-5/8)	31.50 - 31.75	1.0000	1.0000
L22	19	WR-VG86ST-BRD(3/4)	31.50 - 31.75	1.0000	1.0000
L22	20	FB-L98B-002-75000(3/8)	31.50 - 31.75	1.0000	1.0000
L22	24	LDF4-50A(1/2)	31.50 - 31.75	1.0000	1.0000
L22	26	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L22	27	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L22	28	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L22	29	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	1.0000	1.0000
L22	39	Aero MP3-03	31.50 - 31.75	1.0000	1.0000
L22	40	Aero MP3-03	31.50 - 31.75	1.0000	1.0000
L23	2	Safety Line 3/8	26.50 - 31.50	1.0000	1.0000
L23	12	HB158-1-08U8-S8F18(1-5/8)	26.50 - 31.50	1.0000	1.0000
L23	19	WR-VG86ST-BRD(3/4)	26.50 - 31.50	1.0000	1.0000
L23	20	FB-L98B-002-75000(3/8)	26.50 - 31.50	1.0000	1.0000
L23	24	LDF4-50A(1/2)	26.50 - 31.50	1.0000	1.0000
L23	26	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	1.0000	1.0000
L23	27	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	1.0000	1.0000
L23	28	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	1.0000	1.0000
L23	29	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	1.0000	1.0000
L23	36	Aero MP3-04	26.50 - 30.50	1.0000	1.0000
L23	38	Aero MP3-04	26.50 - 30.50	1.0000	1.0000
L23	39	Aero MP3-03	27.00 - 31.50	1.0000	1.0000
L23	40	Aero MP3-03	27.00 - 31.50	1.0000	1.0000
L24	2	Safety Line 3/8	21.50 - 26.50	1.0000	1.0000
L24	12	HB158-1-08U8-S8F18(1-5/8)	21.50 - 26.50	1.0000	1.0000
L24	19	WR-VG86ST-BRD(3/4)	21.50 - 26.50	1.0000	1.0000
L24	20	FB-L98B-002-75000(3/8)	21.50 - 26.50	1.0000	1.0000
L24	24	LDF4-50A(1/2)	21.50 - 26.50	1.0000	1.0000
L24	26	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	1.0000	1.0000
L24	27	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	1.0000	1.0000
L24	28	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	1.0000	1.0000
L24	29	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	1.0000	1.0000
L24	36	Aero MP3-04	21.50 - 26.50	1.0000	1.0000
L24	38	Aero MP3-04	21.50 - 26.50	1.0000	1.0000
L25	2	Safety Line 3/8	16.50 - 21.50	1.0000	1.0000
L25	12	HB158-1-08U8-S8F18(1-5/8)	16.50 - 21.50	1.0000	1.0000
L25	19	WR-VG86ST-BRD(3/4)	16.50 - 21.50	1.0000	1.0000
L25	20	FB-L98B-002-75000(3/8)	16.50 - 21.50	1.0000	1.0000
L25	24	LDF4-50A(1/2)	16.50 - 21.50	1.0000	1.0000
L25	26	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	1.0000	1.0000
L25	27	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	1.0000	1.0000
L25	28	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	1.0000	1.0000
L25	29	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	1.0000	1.0000
L25	36	Aero MP3-04	16.50 - 21.50	1.0000	1.0000
L25	38	Aero MP3-04	16.50 - 21.50	1.0000	1.0000
L26	2	Safety Line 3/8	11.50 - 16.50	1.0000	1.0000
L26	12	HB158-1-08U8-S8F18(1-5/8)	11.50 - 16.50	1.0000	1.0000
L26	19	WR-VG86ST-BRD(3/4)	11.50 - 16.50	1.0000	1.0000
L26	20	FB-L98B-002-75000(3/8)	11.50 - 16.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L26	24	LDF4-50A(1/2)	11.50 - 16.50	1.0000	1.0000
L26	26	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	1.0000	1.0000
L26	27	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	1.0000	1.0000
L26	28	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	1.0000	1.0000
L26	29	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	1.0000	1.0000
L26	36	Aero MP3-04	11.50 - 16.50	1.0000	1.0000
L26	38	Aero MP3-04	11.50 - 16.50	1.0000	1.0000
L27	2	Safety Line 3/8	6.50 - 11.50	1.0000	1.0000
L27	12	HB158-1-08U8-S8F18(1-5/8)	6.50 - 11.50	1.0000	1.0000
L27	19	WR-VG86ST-BRD(3/4)	6.50 - 11.50	1.0000	1.0000
L27	20	FB-L98B-002-75000(3/8)	6.50 - 11.50	1.0000	1.0000
L27	24	LDF4-50A(1/2)	6.50 - 11.50	1.0000	1.0000
L27	26	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	1.0000	1.0000
L27	27	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	1.0000	1.0000
L27	28	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	1.0000	1.0000
L27	29	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	1.0000	1.0000
L27	36	Aero MP3-04	6.50 - 11.50	1.0000	1.0000
L27	37	Aero MP3-04	6.50 - 7.50	1.0000	1.0000
L28	2	Safety Line 3/8	1.50 - 6.50	1.0000	1.0000
L28	12	HB158-1-08U8-S8F18(1-5/8)	1.50 - 6.50	1.0000	1.0000
L28	19	WR-VG86ST-BRD(3/4)	1.50 - 6.50	1.0000	1.0000
L28	20	FB-L98B-002-75000(3/8)	1.50 - 6.50	1.0000	1.0000
L28	24	LDF4-50A(1/2)	1.50 - 6.50	1.0000	1.0000
L28	26	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	1.0000	1.0000
L28	27	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	1.0000	1.0000
L28	28	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	1.0000	1.0000
L28	29	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	1.0000	1.0000
L28	36	Aero MP3-04	1.50 - 6.50	1.0000	1.0000
L28	37	Aero MP3-04	1.50 - 6.50	1.0000	1.0000
L29	2	Safety Line 3/8	0.00 - 1.50	1.0000	1.0000
L29	12	HB158-1-08U8-S8F18(1-5/8)	0.00 - 1.50	1.0000	1.0000
L29	19	WR-VG86ST-BRD(3/4)	0.00 - 1.50	1.0000	1.0000
L29	20	FB-L98B-002-75000(3/8)	0.00 - 1.50	1.0000	1.0000
L29	24	LDF4-50A(1/2)	0.00 - 1.50	1.0000	1.0000
L29	26	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	1.0000	1.0000
L29	27	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	1.0000	1.0000
L29	28	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	1.0000	1.0000
L29	29	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	1.0000	1.0000
L29	36	Aero MP3-04	0.00 - 1.50	1.0000	1.0000
L29	37	Aero MP3-04	0.00 - 1.50	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L11	31	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	Auto	0.3314
L11	32	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	Auto	0.3314
L11	33	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	Auto	0.3314
L11	34	(Area) CCI-65FP-065125 (H)	64.71 - 65.58	Auto	0.3314
L12	31	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	Auto	0.3221
L12	32	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	Auto	0.3221
L12	33	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	Auto	0.3221
L12	34	(Area) CCI-65FP-065125 (H)	62.83 - 64.71	Auto	0.3221

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L13	31	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	Auto	0.4299
L13	32	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	Auto	0.4299
L13	33	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	Auto	0.4299
L13	34	(Area) CCI-65FP-065125 (H)	62.58 - 62.83	Auto	0.4299
L14	31	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	Auto	0.4054
L14	32	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	Auto	0.4054
L14	33	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	Auto	0.4054
L14	34	(Area) CCI-65FP-065125 (H)	57.58 - 62.58	Auto	0.4054
L15	31	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	Auto	0.3680
L15	32	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	Auto	0.3680
L15	33	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	Auto	0.3680
L15	34	(Area) CCI-65FP-065125 (H)	52.58 - 57.58	Auto	0.3680
L16	31	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	Auto	0.3273
L16	32	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	Auto	0.3273
L16	33	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	Auto	0.3273
L16	34	(Area) CCI-65FP-065125 (H)	47.58 - 52.58	Auto	0.3273
L17	31	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	Auto	0.2936
L17	32	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	Auto	0.2936
L17	33	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	Auto	0.2936
L17	34	(Area) CCI-65FP-065125 (H)	42.63 - 47.58	Auto	0.2936
L17	39	Aero MP3-03	42.63 - 47.00	Auto	0.0000
L17	40	Aero MP3-03	42.63 - 47.00	Auto	0.0000
L18	31	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	Auto	0.2929
L18	32	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	Auto	0.2929
L18	33	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	Auto	0.2929
L18	34	(Area) CCI-65FP-065125 (H)	42.38 - 42.63	Auto	0.2929
L18	39	Aero MP3-03	42.38 - 42.63	Auto	0.0000
L18	40	Aero MP3-03	42.38 - 42.63	Auto	0.0000
L19	31	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	Auto	0.2684
L19	32	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	Auto	0.2684
L19	33	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	Auto	0.2684
L19	34	(Area) CCI-65FP-065125 (H)	37.38 - 42.38	Auto	0.2684
L19	39	Aero MP3-03	37.38 - 42.38	Auto	0.0000
L19	40	Aero MP3-03	37.38 - 42.38	Auto	0.0000
L20	26	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	Auto	0.4071
L20	27	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	Auto	0.4071
L20	28	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	Auto	0.4071
L20	29	(Area) CCI-65FP-085125 (H)	32.38 - 35.50	Auto	0.4071
L20	31	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	Auto	0.2417
L20	32	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	Auto	0.2417
L20	33	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	Auto	0.2417
L20	34	(Area) CCI-65FP-065125 (H)	35.50 - 37.38	Auto	0.2417
L20	39	Aero MP3-03	32.38 - 37.38	Auto	0.0000
L20	40	Aero MP3-03	32.38 - 37.38	Auto	0.0000
L21	26	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	Auto	0.3974
L21	27	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	Auto	0.3974
L21	28	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	Auto	0.3974
L21	29	(Area) CCI-65FP-085125 (H)	31.75 - 32.38	Auto	0.3974
L21	39	Aero MP3-03	31.75 - 32.38	Auto	0.0000
L21	40	Aero MP3-03	31.75 - 32.38	Auto	0.0000
L22	26	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	Auto	0.4159
L22	27	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	Auto	0.4159
L22	28	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	Auto	0.4159
L22	29	(Area) CCI-65FP-085125 (H)	31.50 - 31.75	Auto	0.4159
L22	39	Aero MP3-03	31.50 - 31.75	Auto	0.0000
L22	40	Aero MP3-03	31.50 - 31.75	Auto	0.0000
L23	26	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	Auto	0.3997
L23	27	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	Auto	0.3997
L23	28	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	Auto	0.3997
L23	29	(Area) CCI-65FP-085125 (H)	26.50 - 31.50	Auto	0.3997
L23	36	Aero MP3-04	26.50 - 30.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L23	38	Aero MP3-04	26.50 - 30.50	Auto	0.0000
L23	39	Aero MP3-03	27.00 - 31.50	Auto	0.0000
L23	40	Aero MP3-03	27.00 - 31.50	Auto	0.0000
L24	26	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	Auto	0.3712
L24	27	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	Auto	0.3712
L24	28	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	Auto	0.3712
L24	29	(Area) CCI-65FP-085125 (H)	21.50 - 26.50	Auto	0.3712
L24	36	Aero MP3-04	21.50 - 26.50	Auto	0.0000
L24	38	Aero MP3-04	21.50 - 26.50	Auto	0.0000
L25	26	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	Auto	0.3401
L25	27	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	Auto	0.3401
L25	28	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	Auto	0.3401
L25	29	(Area) CCI-65FP-085125 (H)	16.50 - 21.50	Auto	0.3401
L25	36	Aero MP3-04	16.50 - 21.50	Auto	0.0000
L25	38	Aero MP3-04	16.50 - 21.50	Auto	0.0000
L26	26	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	Auto	0.3116
L26	27	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	Auto	0.3116
L26	28	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	Auto	0.3116
L26	29	(Area) CCI-65FP-085125 (H)	11.50 - 16.50	Auto	0.3116
L26	36	Aero MP3-04	11.50 - 16.50	Auto	0.0000
L26	38	Aero MP3-04	11.50 - 16.50	Auto	0.0000
L27	26	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	Auto	0.2831
L27	27	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	Auto	0.2831
L27	28	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	Auto	0.2831
L27	29	(Area) CCI-65FP-085125 (H)	6.50 - 11.50	Auto	0.2831
L27	36	Aero MP3-04	6.50 - 11.50	Auto	0.0000
L27	37	Aero MP3-04	6.50 - 7.50	Auto	0.0000
L28	26	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	Auto	0.2546
L28	27	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	Auto	0.2546
L28	28	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	Auto	0.2546
L28	29	(Area) CCI-65FP-085125 (H)	1.50 - 6.50	Auto	0.2546
L28	36	Aero MP3-04	1.50 - 6.50	Auto	0.0000
L28	37	Aero MP3-04	1.50 - 6.50	Auto	0.0000
L29	26	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	Auto	0.2378
L29	27	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	Auto	0.2378
L29	28	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	Auto	0.2378
L29	29	(Area) CCI-65FP-085125 (H)	0.00 - 1.50	Auto	0.2378
L29	36	Aero MP3-04	0.00 - 1.50	Auto	0.0000
L29	37	Aero MP3-04	0.00 - 1.50	Auto	0.0000

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
1" x 6' Lightning Rod	C	From Leg	0.00 0.00 3.00	0.0000	117.50	No Ice 1/2" Ice 1" Ice 2" Ice	0.60 1.22 1.84 2.59	0.60 1.22 1.84 2.59	0.00 0.01 0.02 0.05

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
118									
DB420-A	A	From Centroid-Leg	4.00 0.00 12.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.33 5.99 8.66 13.99	3.33 5.99 8.66 13.99	0.03 0.04 0.05 0.07
DB264-A	B	From Centroid-Leg	4.00 0.00 12.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.16 5.69 8.22 13.27	3.16 5.69 8.22 13.27	0.04 0.05 0.06 0.08
ASP-2011	C	From Centroid-Leg	4.00 0.00 8.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.06 1.93 2.82 4.22	1.06 1.93 2.82 4.22	0.00 0.01 0.03 0.07
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
RADIO 4415 B66A_CCIV3	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	0.68 0.79 0.91 1.18	0.05 0.06 0.07 0.11
RADIO 4415 B66A_CCIV3	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	0.68 0.79 0.91 1.18	0.05 0.06 0.07 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RADIO 4415 B66A_CCIV3	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	0.68 0.79 0.91 1.18	0.05 0.06 0.07 0.11
RADIO 4424 B25_TMO	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.09 0.11 0.13 0.19
RADIO 4424 B25_TMO	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.09 0.11 0.13 0.19
RADIO 4424 B25_TMO	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.09 0.11 0.13 0.19
RADIO 4449 B71 B85A_T-MOBILE	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
8' Ladder	C	From Centroid-Leg	2.00 0.00 -2.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.53 4.36 7.19 12.86	5.33 8.08 10.83 16.33	0.10 0.11 0.13 0.16
2.4" Dia x 6-ft Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 602-1]	C	None		0.0000	118.00	No Ice	31.07	31.07	1.34

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1/2" Ice	34.82	34.82	1.97
						1" Ice	38.48	38.48	2.67
						2" Ice	45.60	45.60	4.31
105									
LNX-6514DS-A1M w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.71	3.30 3.68 4.06 4.87	0.06 0.13 0.20 0.38
LNX-6514DS-A1M w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.71	3.30 3.68 4.06 4.87	0.06 0.13 0.20 0.38
LNX-6514DS-A1M w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.71	3.30 3.68 4.06 4.87	0.06 0.13 0.20 0.38
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
(2) DB-B1-6C-12AB-0Z	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
CBC78T-DS-43-2X	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
RFV01U-D2A	A	From	4.00	0.0000	105.00	No Ice	1.88	1.01	0.07

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
		Centroid-Leg	0.00 3.00			1/2" Ice 1" Ice 2" Ice	2.05 2.22 2.60	1.14 1.28 1.59	0.09 0.11 0.15
RFV01U-D2A	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D1A	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
Miscellaneous [NA 507-1]	C	None		0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 6.39 8.18 11.66	4.56 6.39 8.18 11.66	0.25 0.31 0.40 0.66
Platform Mount [LP 1201-1]	C	None		0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.38 22.11 25.87 33.47	18.38 22.11 25.87 33.47	2.10 2.65 3.26 4.66
91									
7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
HPA65R-BU6A w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
HPA65R-BU6A w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
HPA65R-BU6A w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
OPA65R-BU6BA-K w/	A	From	4.00	0.0000	91.00	No Ice	6.76	6.06	0.10

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
Mount Pipe		Centroid-Leg	0.00 2.00			1/2" Ice 1" Ice 2" Ice	7.40 8.06 9.42	6.69 7.33 8.67	0.16 0.24 0.42
OPA65R-BU6BA-K w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.76 7.40 8.06 9.42	6.06 6.69 7.33 8.67	0.10 0.16 0.24 0.42
OPA65R-BU6BA-K w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.76 7.40 8.06 9.42	6.06 6.69 7.33 8.67	0.10 0.16 0.24 0.42
DMP65R-BU6D w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
(2) LGP 17201	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 1.83 2.00 2.36	0.47 0.57 0.68 0.91	0.03 0.04 0.06 0.09
(2) LGP 17201	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 1.83 2.00 2.36	0.47 0.57 0.68 0.91	0.03 0.04 0.06 0.09
(2) LGP 17201	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.67 1.83 2.00 2.36	0.47 0.57 0.68 0.91	0.03 0.04 0.06 0.09
(2) DC6-48-60-18-8F	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
RADIO 4415 B30	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.64 0.75 0.87 1.13	0.04 0.05 0.07 0.11
RADIO 4415 B30	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.64 0.75 0.87 1.13	0.04 0.05 0.07 0.11
RADIO 4415 B30	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.64 0.75 0.87 1.13	0.04 0.05 0.07 0.11
RRUS 4478 B14	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Centroid-Leg	4.00 0.00	0.0000	91.00	No Ice 1/2" Ice	1.84 2.01	1.06 1.20	0.06 0.08

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
		g	2.00			1" Ice	2.19	1.34	0.09
						2" Ice	2.57	1.66	0.14
RRUS 4478 B14	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RADIO 4449 B5/B12	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
Site Pro 1 RMQLP-4120-H10	C	None		0.0000	91.00	No Ice 1/2" Ice 1" Ice 2" Ice	42.20 51.14 60.14 78.14	39.62 48.52 57.81 76.39	3.27 3.66 4.18 5.23
***** **82**									
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Centroid-Fa ce	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
APXVAA24_43-U-A20 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.16 0.28 0.43 0.76
APXVAA24_43-U-A20 w/	B	From	4.00	0.0000	82.00	No Ice	14.69	6.87	0.16

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
Mount Pipe		Centroid-Leg	0.00 1.00			1/2" Ice 1" Ice 2" Ice	15.46 16.23 17.82	7.55 8.25 9.67	0.28 0.43 0.76
APXVAA24_43-U-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.16 0.28 0.43 0.76
APXVAA24_43-U-A20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.16 0.28 0.43 0.76
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
GPS_A	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.21 0.28 0.44	0.11 0.21 0.28 0.44	0.00 0.00 0.01 0.02
(5) 641280-DF-2X	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.44 0.53 0.62 0.83	0.24 0.30 0.38 0.55	0.01 0.02 0.02 0.04
(3) 641280-DF-2X	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.44 0.53 0.62 0.83	0.24 0.30 0.38 0.55	0.01 0.02 0.02 0.04
(2) RRUS 11 B12	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
(2) RRUS 11 B12	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
(4) RADIO 4478	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.63 1.78 1.95 2.31	1.00 1.13 1.27 1.57	0.06 0.07 0.09 0.14
(2) RRUS 11 B4	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
(2) RRUS 11 B4	C	From Centroid-Le	4.00 0.00	0.0000	82.00	No Ice 1/2" Ice	2.79 3.00	1.19 1.34	0.05 0.07

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
		g	1.00			1" Ice	3.21	1.50	0.10
						2" Ice	3.67	1.84	0.15
(2) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 701-1]	C	None		0.0000	82.00	No Ice 1/2" Ice 1" Ice 2" Ice	58.68 66.01 73.41 88.40	58.68 66.01 73.41 88.40	2.75 3.84 5.07 7.94
75									
KS24019-L112A	C	From Leg	3.00 0.00 1.00	0.0000	75.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.08 0.13 0.19 0.35	0.08 0.13 0.19 0.35	0.01 0.01 0.01 0.02
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.0000	75.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
*******									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
GHF3W-23	B	Grid	From Centroid -Leg	4.00 0.00 1.00	0.0000		117.00	3.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 7.47 7.86 8.66	0.00 0.04 0.00 0.00
***											
SHPX3-11W	A	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.00 1.00	0.0000		82.00	3.25	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 7.47 7.86 8.66	0.13 0.17 0.21 0.29

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice

Comb. No.	Description
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 Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	117.5 - 112.5	17.090	50	1.5727	0.0048
L2	112.5 - 107.5	15.457	50	1.5415	0.0054
L3	107.5 - 102.5	13.871	50	1.4849	0.0058
L4	102.5 - 97.5	12.354	50	1.4079	0.0059
L5	97.5 - 92.5	10.930	50	1.3088	0.0056
L6	92.5 - 86.29	9.617	50	1.1974	0.0055
L7	89.71 - 84.71	8.937	50	1.1306	0.0053
L8	84.71 - 79.71	7.781	50	1.0679	0.0052
L9	79.71 - 74.71	6.711	50	0.9739	0.0046

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	74.71 - 69.71	5.745	50	0.8696	0.0037
L11	69.71 - 64.71	4.892	50	0.7599	0.0029
L12	64.71 - 62.83	4.155	50	0.6472	0.0022
L13	62.83 - 62.58	3.908	50	0.6056	0.0019
L14	62.58 - 57.58	3.876	50	0.6031	0.0019
L15	57.58 - 52.58	3.272	50	0.5511	0.0017
L16	52.58 - 47.58	2.723	50	0.4986	0.0014
L17	47.58 - 42.63	2.229	50	0.4451	0.0012
L18	47.38 - 42.38	2.210	50	0.4430	0.0012
L19	42.38 - 37.38	1.760	50	0.4145	0.0011
L20	37.38 - 32.38	1.356	50	0.3583	0.0009
L21	32.38 - 31.75	1.010	50	0.3025	0.0007
L22	31.75 - 31.5	0.970	50	0.2956	0.0007
L23	31.5 - 26.5	0.955	50	0.2932	0.0007
L24	26.5 - 21.5	0.673	50	0.2454	0.0006
L25	21.5 - 16.5	0.441	50	0.1982	0.0004
L26	16.5 - 11.5	0.258	50	0.1510	0.0003
L27	11.5 - 6.5	0.125	50	0.1044	0.0002
L28	6.5 - 1.5	0.039	50	0.0584	0.0001
L29	1.5 - 0	0.002	50	0.0131	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
118.00	GHF3W-23	50	17.090	1.5727	0.0052	6387
117.50	1" x 6' Lightning Rod	50	17.090	1.5727	0.0052	6387
105.00	LNX-6514DS-A1M w/ Mount Pipe	50	13.102	1.4491	0.0062	3701
91.00	7770.00 w/ Mount Pipe	50	9.248	1.1594	0.0057	2983
83.00	SHPX3-11W	50	7.405	1.0406	0.0053	3261
82.00	AIR 32 B2A/B66AA w/ Mount Pipe	50	7.189	1.0215	0.0052	3122
75.00	KS24019-L112A	50	5.798	0.8758	0.0039	2679

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	117.5 - 112.5	84.560	24	7.8044	0.0223
L2	112.5 - 107.5	76.497	24	7.6485	0.0253
L3	107.5 - 102.5	68.666	24	7.3655	0.0277
L4	102.5 - 97.5	61.176	24	6.9816	0.0280
L5	97.5 - 92.5	54.145	24	6.4879	0.0270
L6	92.5 - 86.29	47.660	24	5.9314	0.0263
L7	89.71 - 84.71	44.300	24	5.5980	0.0258
L8	84.71 - 79.71	38.593	24	5.2852	0.0252
L9	79.71 - 74.71	33.309	24	4.8211	0.0224
L10	74.71 - 69.71	28.533	24	4.3103	0.0179
L11	69.71 - 64.71	24.306	24	3.7704	0.0140
L12	64.71 - 62.83	20.652	24	3.2146	0.0106
L13	62.83 - 62.58	19.428	24	3.0088	0.0095

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L14	62.58 - 57.58	19.271	24	2.9963	0.0094
L15	57.58 - 52.58	16.270	24	2.7390	0.0081
L16	52.58 - 47.58	13.539	24	2.4789	0.0069
L17	47.58 - 42.63	11.084	24	2.2134	0.0059
L18	47.38 - 42.38	10.992	24	2.2029	0.0058
L19	42.38 - 37.38	8.755	24	2.0618	0.0053
L20	37.38 - 32.38	6.744	24	1.7821	0.0044
L21	32.38 - 31.75	5.024	24	1.5047	0.0035
L22	31.75 - 31.5	4.827	24	1.4705	0.0034
L23	31.5 - 26.5	4.751	24	1.4586	0.0034
L24	26.5 - 21.5	3.348	24	1.2209	0.0028
L25	21.5 - 16.5	2.193	24	0.9864	0.0021
L26	16.5 - 11.5	1.284	24	0.7512	0.0016
L27	11.5 - 6.5	0.620	24	0.5193	0.0011
L28	6.5 - 1.5	0.196	24	0.2907	0.0006
L29	1.5 - 0	0.010	24	0.0653	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
118.00	GHF3W-23	24	84.560	7.8044	0.0264	1329
117.50	1" x 6' Lightning Rod	24	84.560	7.8044	0.0264	1329
105.00	LNX-6514DS-A1M w/ Mount Pipe	24	64.871	7.1871	0.0307	769
91.00	7770.00 w/ Mount Pipe	24	45.834	5.7417	0.0280	612
83.00	SHPX3-11W	24	36.734	5.1499	0.0262	671
82.00	AIR 32 B2A/B66AA w/ Mount Pipe	24	35.671	5.0556	0.0256	644
75.00	KS24019-L112A	24	28.796	4.3408	0.0193	553

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	117.5 - 112.5 (1)	TP16.2656x15x0.1875	5.00	0.00	0.0	9.5685	-3.30	559.76	0.006
L2	112.5 - 107.5 (2)	TP17.5312x16.2656x0.1875	5.00	0.00	0.0	10.3217	-3.57	603.82	0.006
L3	107.5 - 102.5 (3)	TP18.7969x17.5312x0.1875	5.00	0.00	0.0	11.0749	-8.13	647.88	0.013
L4	102.5 - 97.5 (4)	TP20.0625x18.7969x0.1875	5.00	0.00	0.0	11.8281	-8.57	691.94	0.012
L5	97.5 - 92.5 (5)	TP21.3281x20.0625x0.1875	5.00	0.00	0.0	12.5813	-9.04	736.01	0.012
L6	92.5 - 86.29 (6)	TP22.9x21.3281x0.1875	6.21	0.00	0.0	13.0016	-15.00	760.59	0.020
L7	86.29 - 84.71 (7)	TP22.9126x21.6593x0.3125	5.00	0.00	0.0	22.4164	-15.88	1311.36	0.012
L8	84.71 - 79.71 (8)	TP24.1658x22.9126x0.3125	5.00	0.00	0.0	23.6595	-22.38	1384.08	0.016

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L9	79.71 - 74.71 (9)	TP25.4191x24.1658x0.3125	5.00	0.00	0.0	24.9026	-23.41	1456.80	0.016
L10	74.71 - 69.71 (10)	TP26.6724x25.4191x0.3125	5.00	0.00	0.0	26.1457	-24.40	1529.52	0.016
L11	69.71 - 64.71 (11)	TP27.9256x26.6724x0.3125	5.00	0.00	0.0	27.3888	-25.44	1602.24	0.016
L12	64.71 - 62.83 (12)	TP28.3968x27.9256x0.3125	1.88	0.00	0.0	27.8561	-25.81	1629.58	0.016
L13	62.83 - 62.58 (13)	TP28.4595x28.3968x0.7375	0.25	0.00	0.0	64.8923	-25.94	3796.20	0.007
L14	62.58 - 57.58 (14)	TP29.7128x28.4595x0.7125	5.00	0.00	0.0	65.5834	-27.50	3836.63	0.007
L15	57.58 - 52.58 (15)	TP30.966x29.7128x0.7	5.00	0.00	0.0	67.2450	-29.10	3933.83	0.007
L16	52.58 - 47.58 (16)	TP32.2193x30.966x0.675	5.00	0.00	0.0	67.5820	-30.73	3953.55	0.008
L17	47.58 - 42.63 (17)	TP33.46x32.2193x0.675	4.95	0.00	0.0	67.6894	-30.82	3959.83	0.008
L18	42.63 - 42.38 (18)	TP32.8955x31.6444x0.675	5.00	0.00	0.0	69.0309	-33.77	4038.31	0.008
L19	42.38 - 37.38 (19)	TP34.1466x32.8955x0.65	5.00	0.00	0.0	69.1069	-35.57	4042.75	0.009
L20	37.38 - 32.38 (20)	TP35.3978x34.1466x0.6375	5.00	0.00	0.0	70.3348	-37.40	4114.58	0.009
L21	32.38 - 31.75 (21)	TP35.5554x35.3978x0.6375	0.63	0.00	0.0	70.6538	-37.64	4133.24	0.009
L22	31.75 - 31.5 (22)	TP35.618x35.5554x0.7375	0.25	0.00	0.0	81.6490	-37.75	4776.47	0.008
L23	31.5 - 26.5 (23)	TP36.8691x35.618x0.725	5.00	0.00	0.0	83.1729	-39.91	4865.62	0.008
L24	26.5 - 21.5 (24)	TP38.1202x36.8691x0.7125	5.00	0.00	0.0	84.5966	-42.04	4948.90	0.008
L25	21.5 - 16.5 (25)	TP39.3713x38.1202x0.6875	5.00	0.00	0.0	84.4129	-44.19	4938.16	0.009
L26	16.5 - 11.5 (26)	TP40.6224x39.3713x0.675	5.00	0.00	0.0	83.4410	-44.65	4881.30	0.009
L27	11.5 - 6.5 (27)	TP41.8735x40.6224x0.6625	5.00	0.00	0.0	84.0267	-46.40	4915.56	0.009
L28	6.5 - 1.5 (28)	TP43.1247x41.8735x0.65	5.00	0.00	0.0	85.0483	-48.54	4975.33	0.010
L29	1.5 - 0 (29)	TP43.5x43.1247x0.65	1.50	0.00	0.0	87.6295	-50.79	5126.32	0.010

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	117.5 - 112.5 (1)	TP16.2656x15x0.1875	50.46	234.15	0.215	0.00	234.15	0.000
L2	112.5 - 107.5 (2)	TP17.5312x16.2656x0.1875	90.52	272.69	0.332	0.00	272.69	0.000
L3	107.5 - 102.5 (3)	TP18.7969x17.5312x0.1875	153.21	310.87	0.493	0.00	310.87	0.000
L4	102.5 - 97.5 (4)	TP20.0625x18.7969x0.1875	220.19	348.75	0.631	0.00	348.75	0.000
L5	97.5 - 92.5 (5)	TP21.3281x20.0625x0.1875	288.62	387.93	0.744	0.00	387.93	0.000
L6	92.5 - 86.29 (6)	TP22.9x21.3281x0.1875	344.88	410.31	0.841	0.00	410.31	0.000
L7	86.29 - 84.71 (7)	TP22.9126x21.6593x0.3125	451.17	769.42	0.586	0.00	769.42	0.000
L8	84.71 - 79.71 (8)	TP24.1658x22.9126x0.3125	586.41	857.74	0.684	0.00	857.74	0.000
L9	79.71 - 74.71 (9)	TP25.4191x24.1658x0.3125	735.96	950.85	0.774	0.00	950.85	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L10	74.71 - 69.71 (10)	TP26.6724x25.4191x0.3125	887.08	1048.76	0.846	0.00	1048.76	0.000
L11	69.71 - 64.71 (11)	TP27.9256x26.6724x0.3125	1039.31	1151.47	0.903	0.00	1151.47	0.000
L12	64.71 - 62.83 (12)	TP28.3968x27.9256x0.3125	1096.83	1191.33	0.921	0.00	1191.33	0.000
L13	62.83 - 62.58 (13)	TP28.4595x28.3968x0.7375	1104.49	2698.16	0.409	0.00	2698.16	0.000
L14	62.58 - 57.58 (14)	TP29.7128x28.4595x0.7125	1258.70	2858.29	0.440	0.00	2858.29	0.000
L15	57.58 - 52.58 (15)	TP30.966x29.7128x0.7	1414.79	3062.93	0.462	0.00	3062.93	0.000
L16	52.58 - 47.58 (16)	TP32.2193x30.966x0.675	1572.75	3213.72	0.489	0.00	3213.72	0.000
L17	47.58 - 42.63 (17)	TP33.46x32.2193x0.675	1579.11	3224.06	0.490	0.00	3224.06	0.000
L18	42.63 - 42.38 (18)	TP32.8955x31.6444x0.675	1739.35	3354.47	0.519	0.00	3354.47	0.000
L19	42.38 - 37.38 (19)	TP34.1466x32.8955x0.65	1901.63	3496.46	0.544	0.00	3496.46	0.000
L20	37.38 - 32.38 (20)	TP35.3978x34.1466x0.6375	2065.57	3696.68	0.559	0.00	3696.68	0.000
L21	32.38 - 31.75 (21)	TP35.5554x35.3978x0.6375	2086.35	3730.59	0.559	0.00	3730.59	0.000
L22	31.75 - 31.5 (22)	TP35.618x35.5554x0.7375	2094.60	4294.36	0.488	0.00	4294.36	0.000
L23	31.5 - 26.5 (23)	TP36.8691x35.618x0.725	2260.60	4537.81	0.498	0.00	4537.81	0.000
L24	26.5 - 21.5 (24)	TP38.1202x36.8691x0.7125	2428.22	4781.58	0.508	0.00	4781.58	0.000
L25	21.5 - 16.5 (25)	TP39.3713x38.1202x0.6875	2597.41	4940.14	0.526	0.00	4940.14	0.000
L26	16.5 - 11.5 (26)	TP40.6224x39.3713x0.675	2631.43	4918.56	0.535	0.00	4918.56	0.000
L27	11.5 - 6.5 (27)	TP41.8735x40.6224x0.6625	2768.05	5085.73	0.544	0.00	5085.73	0.000
L28	6.5 - 1.5 (28)	TP43.1247x41.8735x0.65	2940.08	5314.57	0.553	0.00	5314.57	0.000
L29	1.5 - 0 (29)	TP43.5x43.1247x0.65	3113.52	5644.64	0.552	0.00	5644.64	0.000

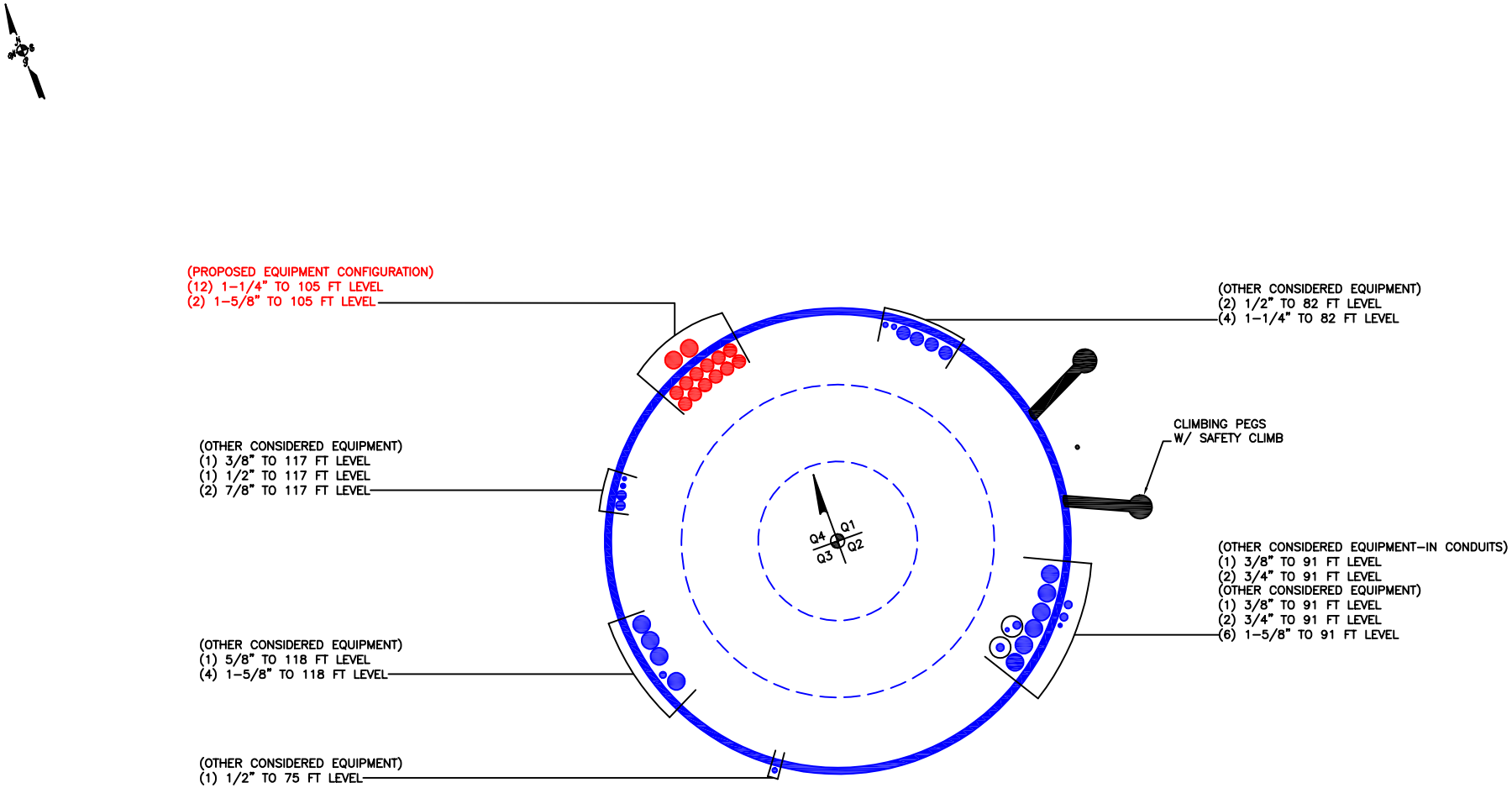
Pole Shear Design Data

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	117.5 - 112.5 (1)	TP16.2656x15x0.1875	7.86	167.93	0.047	0.24	236.45	0.001
L2	112.5 - 107.5 (2)	TP17.5312x16.2656x0.1875	8.17	181.15	0.045	0.27	275.14	0.001
L3	107.5 - 102.5 (3)	TP18.7969x17.5312x0.1875	13.26	194.36	0.068	0.68	316.76	0.002
L4	102.5 - 97.5 (4)	TP20.0625x18.7969x0.1875	13.55	207.58	0.065	0.68	361.31	0.002
L5	97.5 - 92.5 (5)	TP21.3281x20.0625x0.1875	13.84	220.80	0.063	0.68	408.79	0.002
L6	92.5 - 86.29 (6)	TP22.9x21.3281x0.1875	21.09	228.18	0.092	0.89	436.56	0.002
L7	86.29 - 84.71 (7)	TP22.9126x21.6593x0.3125	21.44	393.41	0.054	0.89	778.63	0.001
L8	84.71 - 79.71 (8)	TP24.1658x22.9126x0.3125	29.80	415.23	0.072	0.35	867.38	0.000
L9	79.71 - 74.71 (9)	TP25.4191x24.1658x0.3125	30.13	437.04	0.069	0.35	960.92	0.000
L10	74.71 - 69.71 (10)	TP26.6724x25.4191x0.3125	30.36	458.86	0.066	0.12	1059.25	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L11	69.71 - 64.71 (11)	TP27.9256x26.6724x0.3125	30.57	480.67	0.064	0.12	1162.38	0.000
L12	64.71 - 62.83 (12)	TP28.3968x27.9256x0.3125	30.68	488.88	0.063	0.12	1202.38	0.000
L13	62.83 - 62.58 (13)	TP28.4595x28.3968x0.7375	30.66	1138.86	0.027	0.12	2764.88	0.000
L14	62.58 - 57.58 (14)	TP29.7128x28.4595x0.7125	31.04	1150.99	0.027	0.12	2923.16	0.000
L15	57.58 - 52.58 (15)	TP30.966x29.7128x0.7	31.42	1180.15	0.027	0.12	3128.04	0.000
L16	52.58 - 47.58 (16)	TP32.2193x30.966x0.675	31.79	1186.06	0.027	0.12	3276.49	0.000
L17	47.58 - 42.63 (17)	TP33.46x32.2193x0.675	31.79	1187.95	0.027	0.12	3286.92	0.000
L18	42.63 - 42.38 (18)	TP32.8955x31.6444x0.675	32.27	1211.49	0.027	0.12	3418.48	0.000
L19	42.38 - 37.38 (19)	TP34.1466x32.8955x0.65	32.62	1212.83	0.027	0.12	3557.78	0.000
L20	37.38 - 32.38 (20)	TP35.3978x34.1466x0.6375	32.95	1234.38	0.027	0.12	3757.60	0.000
L21	32.38 - 31.75 (21)	TP35.5554x35.3978x0.6375	32.98	1239.97	0.027	0.12	3791.76	0.000
L22	31.75 - 31.5 (22)	TP35.618x35.5554x0.7375	33.00	1432.94	0.023	0.12	4377.14	0.000
L23	31.5 - 26.5 (23)	TP36.8691x35.618x0.725	33.35	1459.69	0.023	0.12	4620.37	0.000
L24	26.5 - 21.5 (24)	TP38.1202x36.8691x0.7125	33.67	1484.67	0.023	0.12	4863.74	0.000
L25	21.5 - 16.5 (25)	TP39.3713x38.1202x0.6875	33.98	1481.45	0.023	0.12	5018.75	0.000
L26	16.5 - 11.5 (26)	TP40.6224x39.3713x0.675	34.09	1473.80	0.023	0.12	4994.66	0.000
L27	11.5 - 6.5 (27)	TP41.8735x40.6224x0.6625	34.31	1483.90	0.023	0.12	5160.59	0.000
L28	6.5 - 1.5 (28)	TP43.1247x41.8735x0.65	34.59	1501.66	0.023	0.12	5388.50	0.000
L29	1.5 - 0 (29)	TP43.5x43.1247x0.65	34.91	1551.49	0.022	0.12	5720.54	0.000

APPENDIX B

BASE LEVEL DRAWING


(PROPOSED EQUIPMENT CONFIGURATION)
(12) 1-1/4" TO 105 FT LEVEL
(2) 1-5/8" TO 105 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1/2" TO 82 FT LEVEL
(4) 1-1/4" TO 82 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 117 FT LEVEL
(1) 1/2" TO 117 FT LEVEL
(2) 7/8" TO 117 FT LEVEL
Q1
Q2
Q3
Q4
(OTHER CONSIDERED EQUIPMENT-IN CONDUITS)
(1) 3/8" TO 91 FT LEVEL
(2) 3/4" TO 91 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 91 FT LEVEL
(2) 3/4" TO 91 FT LEVEL
(6) 1-5/8" TO 91 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 118 FT LEVEL
(4) 1-5/8" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 75 FT LEVEL

APPENDIX C

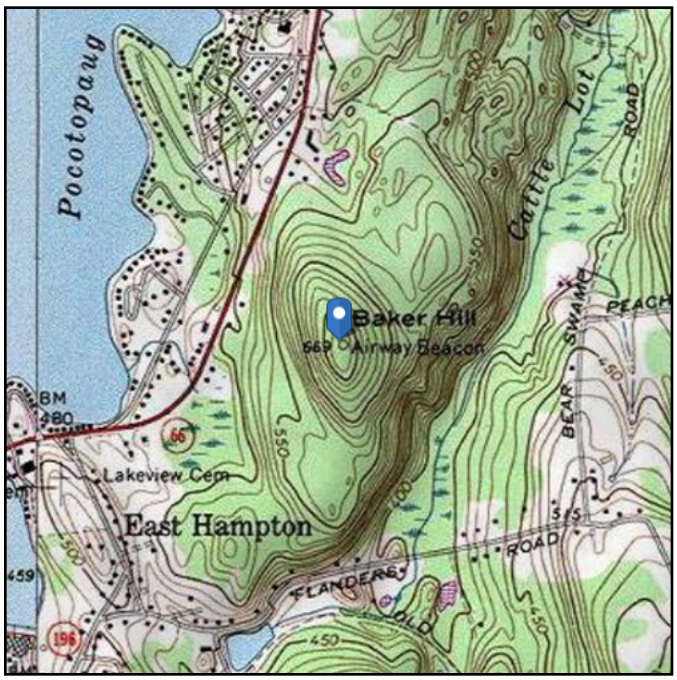
ADDITIONAL CALCULATIONS

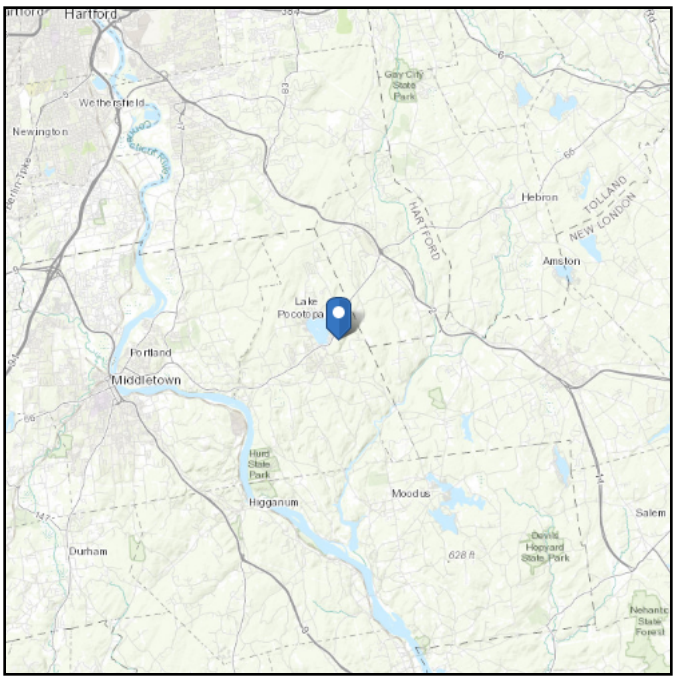
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 664.58 ft (NAVD 88)
Latitude: 41.587278
Longitude: -72.488778





Wind

Results:

Wind Speed:	127 Vmph	*130 mph required by jurisdiction
10-year MRI	78 Vmph	
25-year MRI	87 Vmph	
50-year MRI	95 Vmph	
100-year MRI	103 Vmph	

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

Date Accessed: Mon Feb 15 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

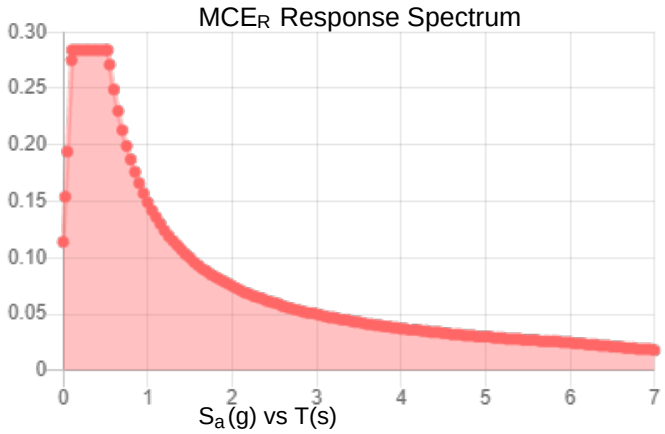
Seismic

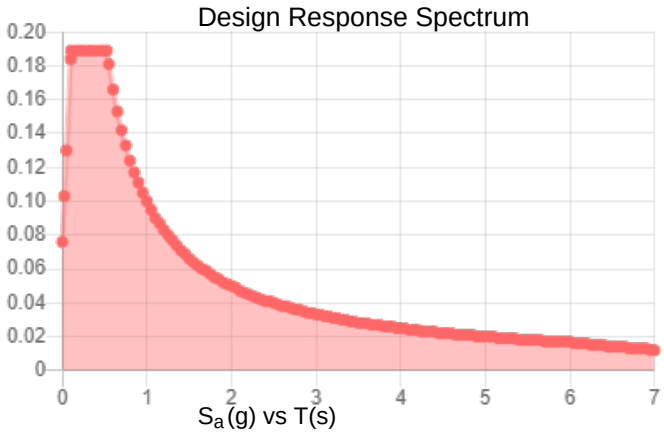
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.177	S_{DS} :	0.189
S_1 :	0.062	S_{D1} :	0.1
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.09
S_{MS} :	0.284	PGA_M :	0.144
S_{M1} :	0.149	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Mon Feb 15 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:	Mon Feb 15 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.

CCIpole

per TIA-222- H

Site BU: 876352

Work Order: 1953635

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	117.5	31.21	3.42	18	15	22.9	0.1875	Auto	A572-65
2	89.71	47.08	4.75	18	21.66	33.46	0.3125	Auto	A572-65
3	47.38	47.38	0	18	31.64	43.5	0.3125	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	31.75	plate	CCI-SFP-085125	4		x				x					x				x			
2	31.75	62.83	plate	CCI-SFP-065125	4		x				x					x				x			
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.000	9.063	1.1875	A572-65
2	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	117.5 - 112.5	5		18	15.000	16.266	0.1875	A572-65	1.000
2	112.5 - 107.5	5		18	16.266	17.531	0.1875	A572-65	1.000
3	107.5 - 102.5	5		18	17.531	18.797	0.1875	A572-65	1.000
4	102.5 - 97.5	5		18	18.797	20.062	0.1875	A572-65	1.000
5	97.5 - 92.5	5		18	20.062	21.328	0.1875	A572-65	1.000
6	92.5 - 89.71	6.21	3.42	18	21.328	22.900	0.1875	A572-65	1.000
7	89.71 - 84.71	5		18	21.659	22.913	0.3125	A572-65	1.000
8	84.71 - 79.71	5		18	22.913	24.166	0.3125	A572-65	1.000
9	79.71 - 74.71	5		18	24.166	25.419	0.3125	A572-65	1.000
10	74.71 - 69.71	5		18	25.419	26.672	0.3125	A572-65	1.000
11	69.71 - 64.71	5		18	26.672	27.926	0.3125	A572-65	1.000
12	64.71 - 62.83	1.88		18	27.926	28.397	0.3125	A572-65	1.000
13	62.83 - 62.58	0.25		18	28.397	28.459	0.7375	A572-65	0.931
14	62.58 - 57.58	5		18	28.459	29.713	0.7125	A572-65	0.940
15	57.58 - 52.58	5		18	29.713	30.966	0.7	A572-65	0.935
16	52.58 - 47.58	5		18	30.966	32.219	0.675	A572-65	0.949
17	47.58 - 47.38	4.95	4.75	18	32.219	33.460	0.675	A572-65	0.948
18	47.38 - 42.38	5		18	31.644	32.896	0.675	A572-65	0.939
19	42.38 - 37.38	5		18	32.896	34.147	0.65	A572-65	0.956
20	37.38 - 32.38	5		18	34.147	35.398	0.6375	A572-65	0.957
21	32.38 - 31.75	0.63		18	35.398	35.555	0.6375	A572-65	0.955
22	31.75 - 31.5	0.25		18	35.555	35.618	0.7375	A572-65	0.949
23	31.5 - 26.5	5		18	35.618	36.869	0.725	A572-65	0.947
24	26.5 - 21.5	5		18	36.869	38.120	0.7125	A572-65	0.946
25	21.5 - 16.5	5		18	38.120	39.371	0.6875	A572-65	0.962
26	16.5 - 11.5	5		18	39.371	40.622	0.675	A572-65	0.964
27	11.5 - 6.5	5		18	40.622	41.874	0.6625	A572-65	0.966
28	6.5 - 1.5	5		18	41.874	43.125	0.65	A572-65	0.970
29	1.5 - 0	1.5		18	43.125	43.500	0.65	A572-65	0.965

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	117.5 - 112.5	3.30	50.46	7.86
2	112.5 - 107.5	3.57	90.52	8.17
3	107.5 - 102.5	8.13	153.21	13.26
4	102.5 - 97.5	8.57	220.19	13.55
5	97.5 - 92.5	9.04	288.62	13.84
6	92.5 - 89.71	15.00	344.88	21.09
7	89.71 - 84.71	15.88	451.17	21.44
8	84.71 - 79.71	22.38	586.41	29.80
9	79.71 - 74.71	23.41	735.96	30.13
10	74.71 - 69.71	24.40	887.09	30.36
11	69.71 - 64.71	25.44	1039.31	30.57
12	64.71 - 62.83	25.81	1096.83	30.68
13	62.83 - 62.58	25.94	1104.49	30.65
14	62.58 - 57.58	27.50	1258.70	31.04
15	57.58 - 52.58	29.10	1414.79	31.42
16	52.58 - 47.58	30.73	1572.75	31.79
17	47.58 - 47.38	30.82	1579.11	31.79
18	47.38 - 42.38	33.77	1739.35	32.27
19	42.38 - 37.38	35.57	1901.63	32.62
20	37.38 - 32.38	37.40	2065.58	32.95
21	32.38 - 31.75	37.64	2086.35	32.98
22	31.75 - 31.5	37.75	2094.60	33.00
23	31.5 - 26.5	39.91	2260.60	33.35
24	26.5 - 21.5	42.04	2428.22	33.67
25	21.5 - 16.5	44.19	2597.41	33.98
26	16.5 - 11.5	46.38	2768.05	34.25
27	11.5 - 6.5	48.52	2940.09	34.53
28	6.5 - 1.5	50.75	3113.51	34.81
29	1.5 - 0	51.42	3165.82	34.91

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
117.5 - 112.5	Pole	TP16.266x15x0.1875	Pole	21.3%	Pass
112.5 - 107.5	Pole	TP17.531x16.266x0.1875	Pole	32.4%	Pass
107.5 - 102.5	Pole	TP18.797x17.531x0.1875	Pole	48.6%	Pass
102.5 - 97.5	Pole	TP20.062x18.797x0.1875	Pole	61.7%	Pass
97.5 - 92.5	Pole	TP21.328x20.062x0.1875	Pole	72.4%	Pass
92.5 - 89.71	Pole	TP22.9x21.328x0.1875	Pole	82.7%	Pass
89.71 - 84.71	Pole	TP22.913x21.659x0.3125	Pole	57.2%	Pass
84.71 - 79.71	Pole	TP24.166x22.913x0.3125	Pole	67.1%	Pass
79.71 - 74.71	Pole	TP25.419x24.166x0.3125	Pole	75.7%	Pass
74.71 - 69.71	Pole	TP26.672x25.419x0.3125	Pole	82.4%	Pass
69.71 - 64.71	Pole	TP27.926x26.672x0.3125	Pole	87.8%	Pass
64.71 - 62.83	Pole	TP28.397x27.926x0.3125	Pole	89.5%	Pass
62.83 - 62.58	Pole + Reinf.	TP28.459x28.397x0.7375	Reinf. 2 Tension Rupture	61.0%	Pass
62.58 - 57.58	Pole + Reinf.	TP29.713x28.459x0.7125	Reinf. 2 Tension Rupture	65.3%	Pass
57.58 - 52.58	Pole + Reinf.	TP30.966x29.713x0.7	Reinf. 2 Tension Rupture	69.1%	Pass
52.58 - 47.58	Pole + Reinf.	TP32.219x30.966x0.675	Reinf. 2 Tension Rupture	72.4%	Pass
47.58 - 47.38	Pole + Reinf.	TP33.46x32.219x0.675	Reinf. 2 Tension Rupture	72.6%	Pass
47.38 - 42.38	Pole + Reinf.	TP32.896x31.644x0.675	Reinf. 2 Tension Rupture	77.7%	Pass
42.38 - 37.38	Pole + Reinf.	TP34.147x32.896x0.65	Reinf. 2 Tension Rupture	80.4%	Pass
37.38 - 32.38	Pole + Reinf.	TP35.398x34.147x0.6375	Reinf. 2 Tension Rupture	82.7%	Pass
32.38 - 31.75	Pole + Reinf.	TP35.555x35.398x0.6375	Reinf. 2 Tension Rupture	83.0%	Pass
31.75 - 31.5	Pole + Reinf.	TP35.618x35.555x0.7375	Reinf. 1 Bolt Shear	70.8%	Pass
31.5 - 26.5	Pole + Reinf.	TP36.869x35.618x0.725	Reinf. 1 Compression	70.0%	Pass
26.5 - 21.5	Pole + Reinf.	TP38.12x36.869x0.7125	Reinf. 1 Compression	71.6%	Pass
21.5 - 16.5	Pole + Reinf.	TP39.371x38.12x0.6875	Reinf. 1 Compression	73.1%	Pass
16.5 - 11.5	Pole + Reinf.	TP40.622x39.371x0.675	Reinf. 1 Compression	74.5%	Pass
11.5 - 6.5	Pole + Reinf.	TP41.874x40.622x0.6625	Reinf. 1 Compression	75.7%	Pass
6.5 - 1.5	Pole + Reinf.	TP43.125x41.874x0.65	Reinf. 1 Compression	76.7%	Pass
1.5 - 0	Pole + Reinf.	TP43.5x43.125x0.65	Reinf. 1 Bolt Shear	80.1%	Pass
				Summary	
			Pole	89.5%	Pass
			Reinforcement	83.0%	Pass
			Overall	89.5%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*		
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2
117.5 - 112.5	312	n/a	312	9.57	n/a	9.57	21.3%		
112.5 - 107.5	392	n/a	392	10.32	n/a	10.32	32.4%		
107.5 - 102.5	484	n/a	484	11.07	n/a	11.07	48.6%		
102.5 - 97.5	590	n/a	590	11.83	n/a	11.83	61.7%		
97.5 - 92.5	710	n/a	710	12.58	n/a	12.58	72.4%		
92.5 - 89.71	784	n/a	784	13.00	n/a	13.00	82.7%		
89.71 - 84.71	1446	n/a	1446	22.42	n/a	22.42	57.2%		
84.71 - 79.71	1700	n/a	1700	23.66	n/a	23.66	67.1%		
79.71 - 74.71	1983	n/a	1983	24.90	n/a	24.90	75.7%		
74.71 - 69.71	2294	n/a	2294	26.14	n/a	26.14	82.4%		
69.71 - 64.71	2638	n/a	2638	27.39	n/a	27.39	87.8%		
64.71 - 62.83	2775	n/a	2775	27.86	n/a	27.86	89.5%		
62.83 - 62.58	2793	3539	6332	27.92	32.50	60.42	39.6%		61.0%
62.58 - 57.58	3183	3838	7022	29.16	32.50	61.66	42.4%		65.3%
57.58 - 52.58	3608	4150	7758	30.40	32.50	62.90	45.3%		69.1%
52.58 - 47.58	4069	4475	8544	31.65	32.50	64.15	48.1%		72.4%
47.58 - 47.38	4088	4488	8576	31.70	32.50	64.20	48.2%		72.6%
47.38 - 42.38	4333	4655	8988	32.32	32.50	64.82	51.9%		77.7%
42.38 - 37.38	4852	4998	9849	33.56	32.50	66.06	54.3%		80.4%
37.38 - 32.38	5410	5353	10763	34.80	32.50	67.30	56.5%		82.7%
32.38 - 31.75	5483	5398	10882	34.96	32.50	67.46	56.8%		83.0%
31.75 - 31.5	5513	7138	12650	35.02	42.50	77.52	49.1%	70.8%	
31.5 - 26.5	6120	7621	13741	36.26	42.50	78.76	51.1%	70.0%	
26.5 - 21.5	6770	8121	14890	37.50	42.50	80.00	52.9%	71.6%	
21.5 - 16.5	7464	8636	16101	38.74	42.50	81.24	54.6%	73.1%	
16.5 - 11.5	8205	9168	17373	39.98	42.50	82.48	56.3%	74.5%	
11.5 - 6.5	8993	9716	18709	41.22	42.50	83.72	57.9%	75.7%	
6.5 - 1.5	9830	10280	20110	42.46	42.50	84.96	59.4%	76.7%	
1.5 - 0	10090	10452	20543	42.84	42.50	85.34	59.8%	80.1%	

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

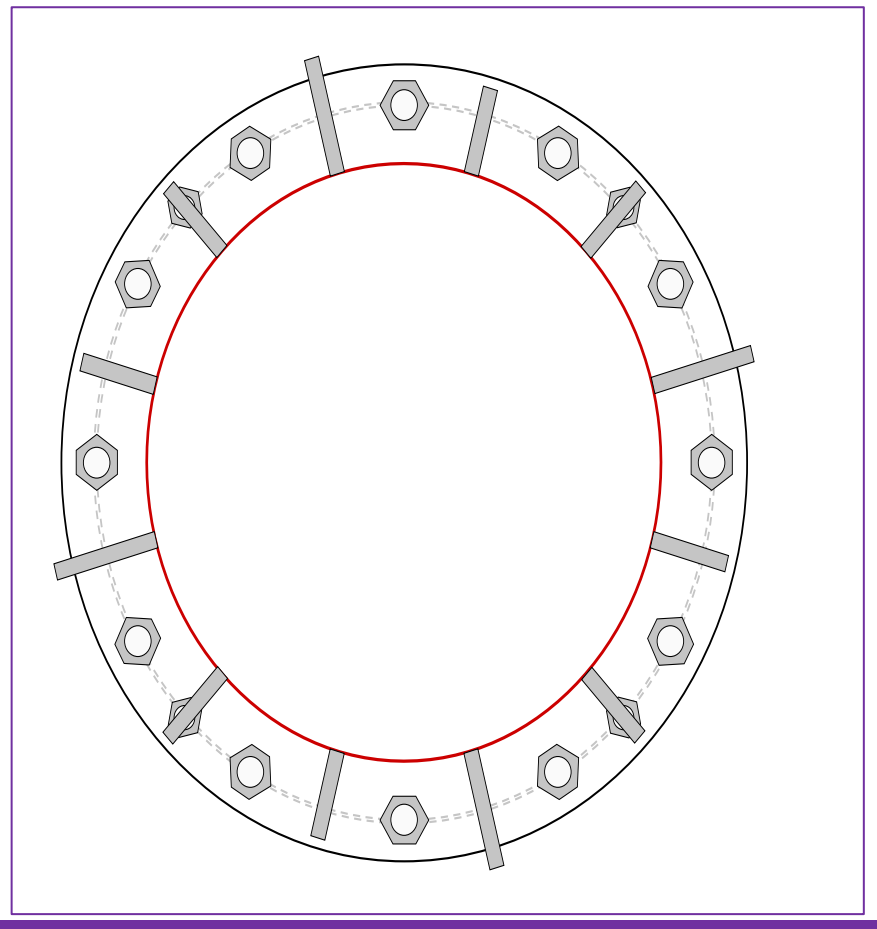
Monopole Base Plate Connection

Site Info	
BU #	876352
Site Name	Richard Wall
Order #	552639 Rev. 0

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

Applied Loads	
Moment (kip-ft)	3166.00
Axial Force (kips)	51.00
Shear Force (kips)	35.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 52" BC

GROUP 2: (4) 1-3/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 52.5" BC

Base Plate Data

58" OD x 1.75" Plate (A871 GR60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

Group 1: (8) 20"H x 6.5"W x 1.25"T, Notch: 0.75"

plate: Fy= 65 ksi ; weld: Fy= 80 ksi

horiz. weld: 0.625" groove, 45° dbl bevel, 0.625" fillet

vert. weld: 0.375" fillet

Group 2: (4) 30"H x 8.75"W x 1.25"T, Notch: 0.75"

plate: Fy= 65 ksi ; weld: Fy= 80 ksi

horiz. weld: 0.625" groove, 45° dbl bevel, 0.625" fillet

vert. weld: 0.375" fillet

Pole Data

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

Analysis Results

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

GROUP 1:		
Pu_t = 198.79	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.92	ϕVn = 149.1	**77.7%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 119.84	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**64.1%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	41.24	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**72.7%**	**Pass**

Stiffener Summary

Horizontal Weld:	**36.1%**	**Pass**
Vertical Weld:	**43.6%**	**Pass**
Plate Flexure+Shear:	**7.7%**	**Pass**
Plate Tension+Shear:	**35.7%**	**Pass**
Plate Compression:	**37.3%**	**Pass**

Pole Summary

Punching Shear:	**15.8%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

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

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

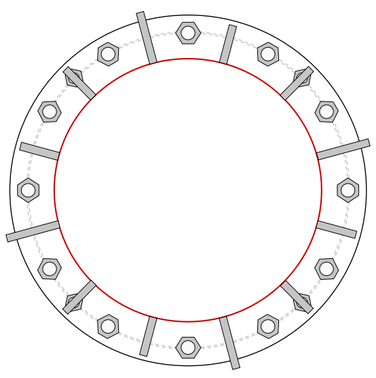
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	52	0.5	1.25	N-Included		No
2	1	30	2.25	A615-75	52	0.5	1.25	N-Included		No
3	1	60	2.25	A615-75	52	0.5	1.25	N-Included		No
4	1	90	2.25	A615-75	52	0.5	1.25	N-Included		No
5	1	120	2.25	A615-75	52	0.5	1.25	N-Included		No
6	1	150	2.25	A615-75	52	0.5	1.25	N-Included		No
7	1	180	2.25	A615-75	52	0.5	1.25	N-Included		No
8	1	210	2.25	A615-75	52	0.5	1.25	N-Included		No
9	1	240	2.25	A615-75	52	0.5	1.25	N-Included		No
10	1	270	2.25	A615-75	52	0.5	1.25	N-Included		No
11	1	300	2.25	A615-75	52	0.5	1.25	N-Included		No
12	1	330	2.25	A615-75	52	0.5	1.25	N-Included		No
13	2	45	1.75	A193 Gr. B7	52.5	0.5	1.75	N-Included		No
14	2	135	1.75	A193 Gr. B7	52.5	0.5	1.75	N-Included		No
15	2	225	1.75	A193 Gr. B7	52.5	0.5	1.75	N-Included		No
16	2	315	1.75	A193 Gr. B7	52.5	0.5	1.75	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	2	15	8.75	30	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
2	1	75	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
3	2	105	8.75	30	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
4	1	165	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
5	2	195	8.75	30	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
6	1	255	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
7	2	285	8.75	30	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
8	1	345	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
9	1	45	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.378	80
10	1	135	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
11	1	225	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80
12	1	315	6.5	20	1.25	0.75	0.75	65	Both	0.625	45	0.625	0.375	80

Plot Graphic



Drilled Pier Foundation

BU # :	876352
Site Name:	Richard Wall
Order Number:	552639 Rev. 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	3166	
Axial Force (kips)	51	
Shear Force (kips)	35	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	22	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 13' below grade		
Pier Diameter	6	ft
Rebar Quantity	14	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	5	
Tie Spacing		in
Rebar Quantity	4	
Rebar Size	1.75"	
Rebar Cage Diameter	52.5	in
Pier Section 2		
From 13' below grade to 22' below grade		
Pier Diameter	6	ft
Rebar Quantity	14	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	5	
Tie Spacing		in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.42	-
Soil Safety Factor	1.88	-
Max Moment (kip-ft)	3360.70	-
Rating*	*67.5%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	398.27	-
End Bearing (kips)	254.47	-
Weight of Concrete (kips)	117.06	-
Total Capacity (kips)	652.74	-
Axial (kips)	168.06	-
Rating*	*24.5%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.34	-
Critical Moment (kip-ft)	3360.64	-
Critical Moment Capacity	4067.04	-
Rating*	*78.7%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	18.89	-
Critical Shear (kip)	313.30	-
Critical Shear Capacity	429.70	-
Rating*	*69.4%*	-

Shear-Friciton Methodology is Applied

Soil Interaction Rating*	**67.5%**
Structural Foundation Rating*	**78.7%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☑
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

Groundwater Depth	N/A	# of Layers	4

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.33	3.33	120	150	0		0.000	0.000					Cohesionless
2	3.33	6.5	3.17	120	150		33	0.708	0.708				30	Cohesionless
3	6.5	11	4.5	120	150		33	1.156	1.156				58	Cohesionless
4	11	22	11	120	150		33	1.884	1.884			12	42	Cohesionless

Exhibit E

Mount Analysis

Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
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peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10070586
Maser Consulting Connecticut Project #: 21777315A

June 24, 2021

Site Information	*Site ID:*	*469377-VZW / EAST HAMPTON CT*
	Site Name:	*EAST HAMPTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*94 East High St.* *East Hampton, Connecticut 06424* *Middlesex County*
	Latitude:	*41.587278°*
	Longitude:	*-72.488778°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.08-Ft Platform*

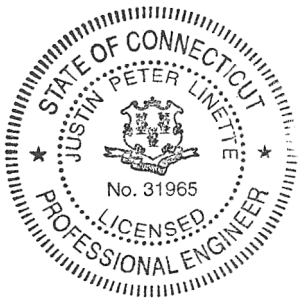
FUZE ID # 16272160

Analysis Results

Platform: **77.9% 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: Zachary Bandilla



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: 674884, dated February 16, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: PSLC:469377, dated April 4,2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777315A, Dated May 12, 2021*
Mount Modification Drawing	*Maser Consulting Connecticut, Project #: 21777315A, Dated June 24, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.976
Seismic Parameters:	S_S:	0.209
	S_1:	0.056
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
106.0	108.0	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Commscope	LNX-6514DS-A1M	Retained
		2	Raycap	RHSDC-3315-PF-48*	

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

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

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Arm	*30.7 %*	*Pass*
Grating Angle	*8.1 %*	*Pass*
Cross Members	*27.5 %*	*Pass*
Face Horizontal	*77.9 %*	*Pass*
Mount Pipe	*20.7 %*	*Pass*
Dual Mount Pipe	*26.3 %*	*Pass*
Support Rail	*26.9 %*	*Pass*
Support Rail Connection	*37.6 %*	*Pass*
Mod Kickers	*16.8 %*	*Pass*
Connection Check	*58.5 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**77.9%**

Recommendation:

The existing mounts 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


04/04/2021 08:56:53
EAST HAMPTON CT


04/04/2021 10:20:31
-72.48896, 41.58729
EAST HAMPTON CT

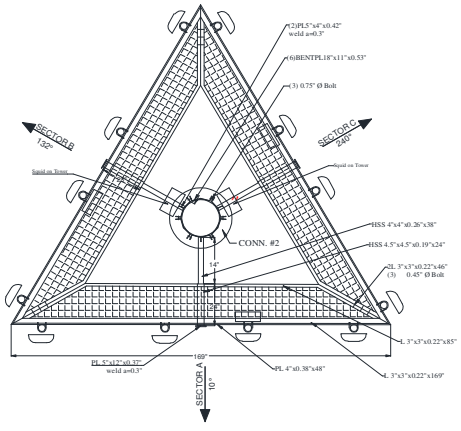
V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

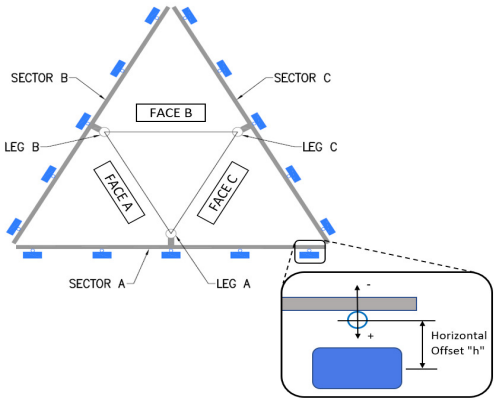
Antenna Mount Mapping Form (PATENT PENDING)

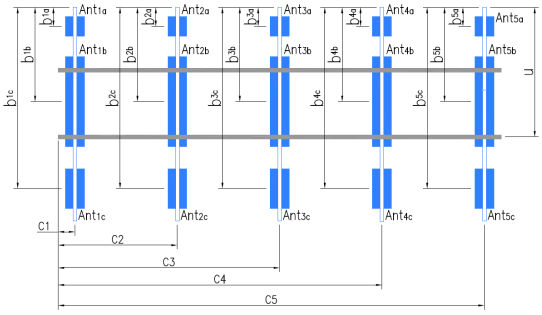
FCC #
N/A

Tower Owner:	CCI	**Mapping Date:**	04/04/21
Site Name:	CCI: Richard Wall, VZW: EAST HAMPTON CT	**Tower Type:**	Monopole
Site Number or ID:	PSLC: 469377	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	102.83



OVERALL MOUNT SCHEMATIC





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	PIPE Ø 2.36"x0.14"x72"	65.00	12.50	C1	PIPE Ø 2.36"x0.14"x72"	65.00	12.50
A2	PIPE Ø 2.36"x0.14"x72"	65.00	60.50	C2	PIPE Ø 2.36"x0.14"x72"	65.00	60.50
A3	PIPE Ø 2.36"x0.14"x72"	60.00	109.00	C3	PIPE Ø 2.36"x0.14"x72"	60.00	109.00
A4	PIPE Ø 2.36"x0.14"x72"	61.00	157.00	C4	PIPE Ø 2.36"x0.14"x72"	61.00	157.00
A5				C5			
A6				C6			
B1	PIPE Ø 2.36"x0.14"x72"	65.00	12.50	D1			
B2	PIPE Ø 2.36"x0.14"x72"	65.00	60.50	D2			
B3	PIPE Ø 2.36"x0.14"x72"	60.00	109.00	D3			
B4	PIPE Ø 2.36"x0.14"x72"	61.00	157.00	D4			
B5				D5			
B6				D6			

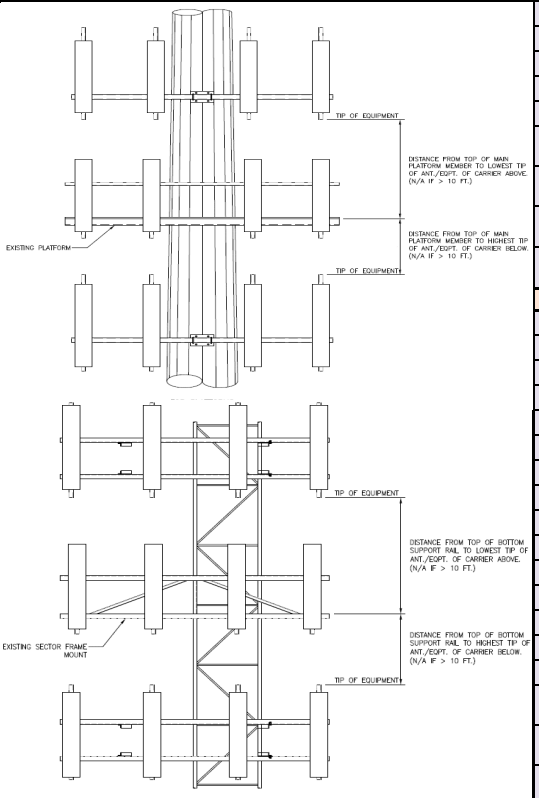
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	3.21
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	19.11

	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}	LNX-6514DS-A1M	11.85	7.11	80.63		104.955	39.50	6.00	10.00	6
Ant_{1c}										
Ant_{2a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.955	39.50	8.00	10.00	8
Ant_{2b}	B4 RRH2x60-4R	10.63	5.74	36.60		106.08	26.00	5.50		7
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	11.85	7.11	80.63		104.58	39.00	8.00	10.00	4
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.913	36.00	8.00	10.00	5
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	10.00	Deg	Leg A:		Deg
Sector B:	132.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	10.00	Deg	Sector A
Climbing Facility	Corrosion Type:		Minor corrosion observed.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LNX-6514DS-A1M	11.85	7.11	80.63		104.955	39.50	6.00	132.00	6
Ant_{1c}										
Ant_{2a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.955	39.50	8.00	132.00	8
Ant_{2b}	B4 RRH2x60-4R	10.63	5.74	36.60		106.08	26.00	5.50		7
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	11.85	7.11	80.63		104.58	39.00	8.00	132.00	4
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.913	36.00	8.00	132.00	5
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RHSDS-3315-PF-48	15.73	10.30	28.93						192,193
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LNX-6514DS-A1M	11.85	7.11	80.63		104.955	39.50	6.00	240.00	6
Ant_{1c}										
Ant_{2a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.955	39.50	8.00	240.00	8
Ant_{2b}	B4 RRH2x60-4R	10.63	5.74	36.60		106.08	26.00	5.50		7
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	11.85	7.11	80.63		104.58	39.00	8.00	240.00	4
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.00	6.50	75.04		104.913	36.00	8.00	240.00	5
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RHSDS-3315-PF-48	15.73	10.30	28.93						195,196
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	Corrosion of steel member	130
2	Cracking of bolt element	134
3	Cracking of bolt element	133
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

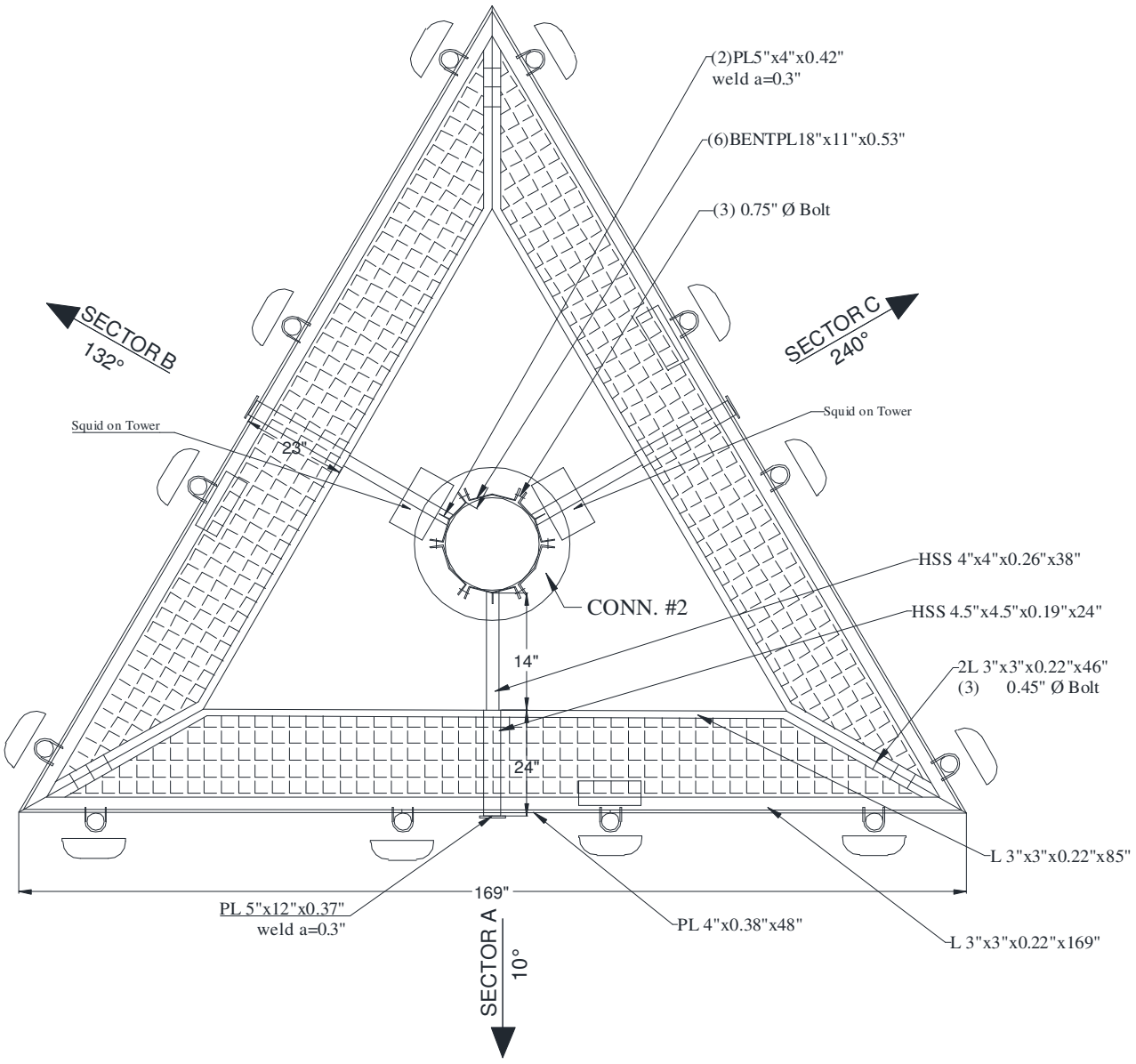
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

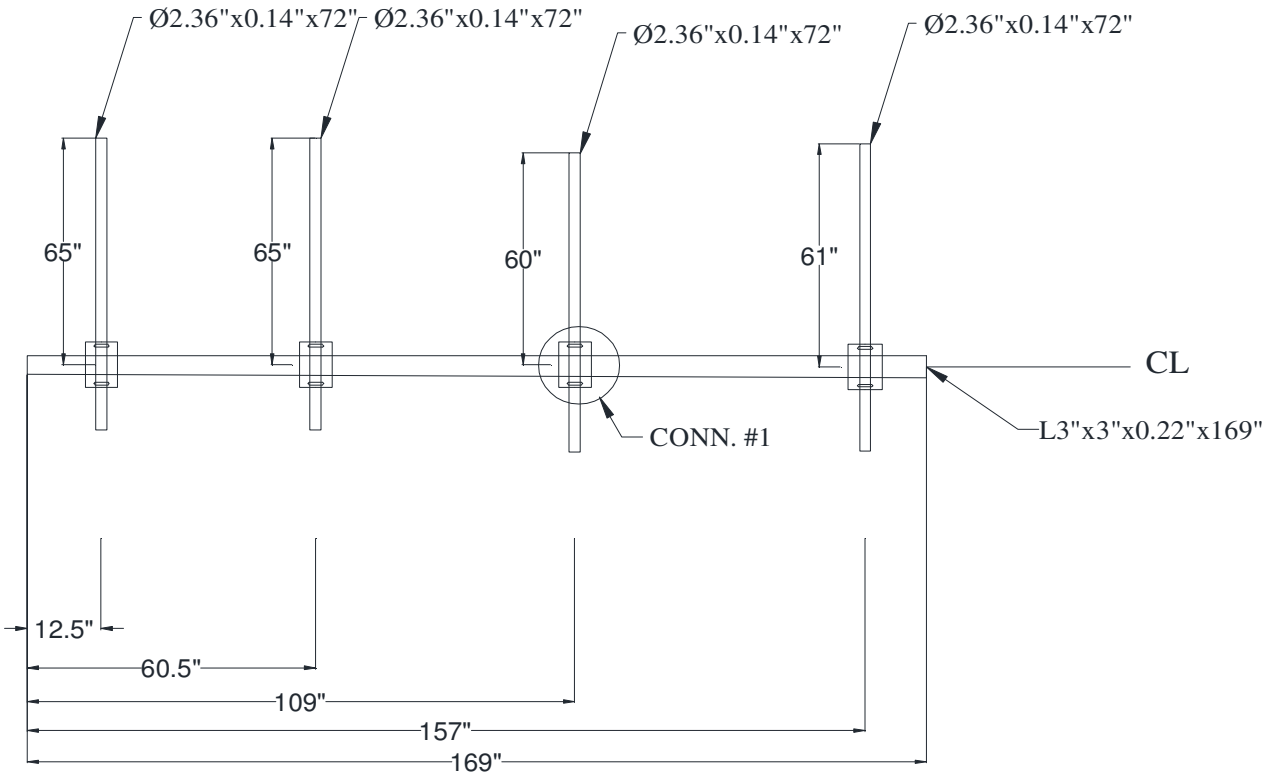
Tower Owner:	CCI	**Mapping Date:**	04/04/21
Site Name:	CCI: Richard Wall, VZW: EAST HAMPTON CT	**Tower Type:**	Monopole
Site Number or ID:	PSLC: 469377	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	102.83

Please Insert Sketches of the Antenna Mount

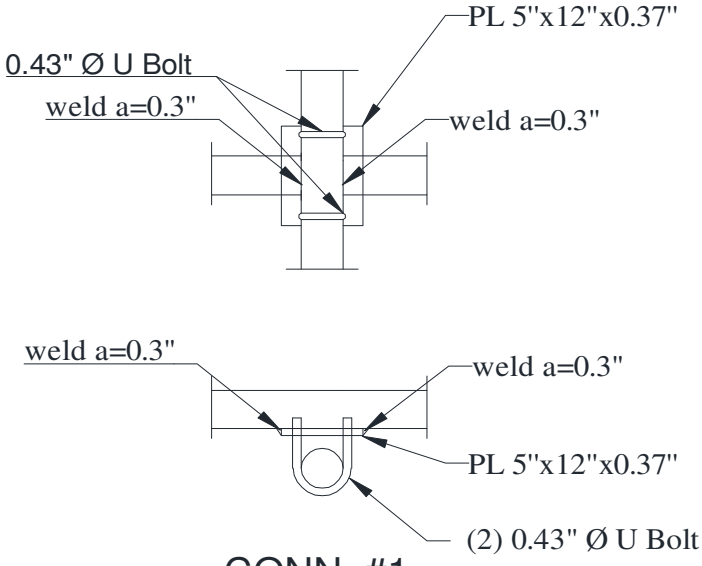


OVERALL MOUNT SCHEMATIC

Please Insert Sketches of the Antenna Mount, cont'd

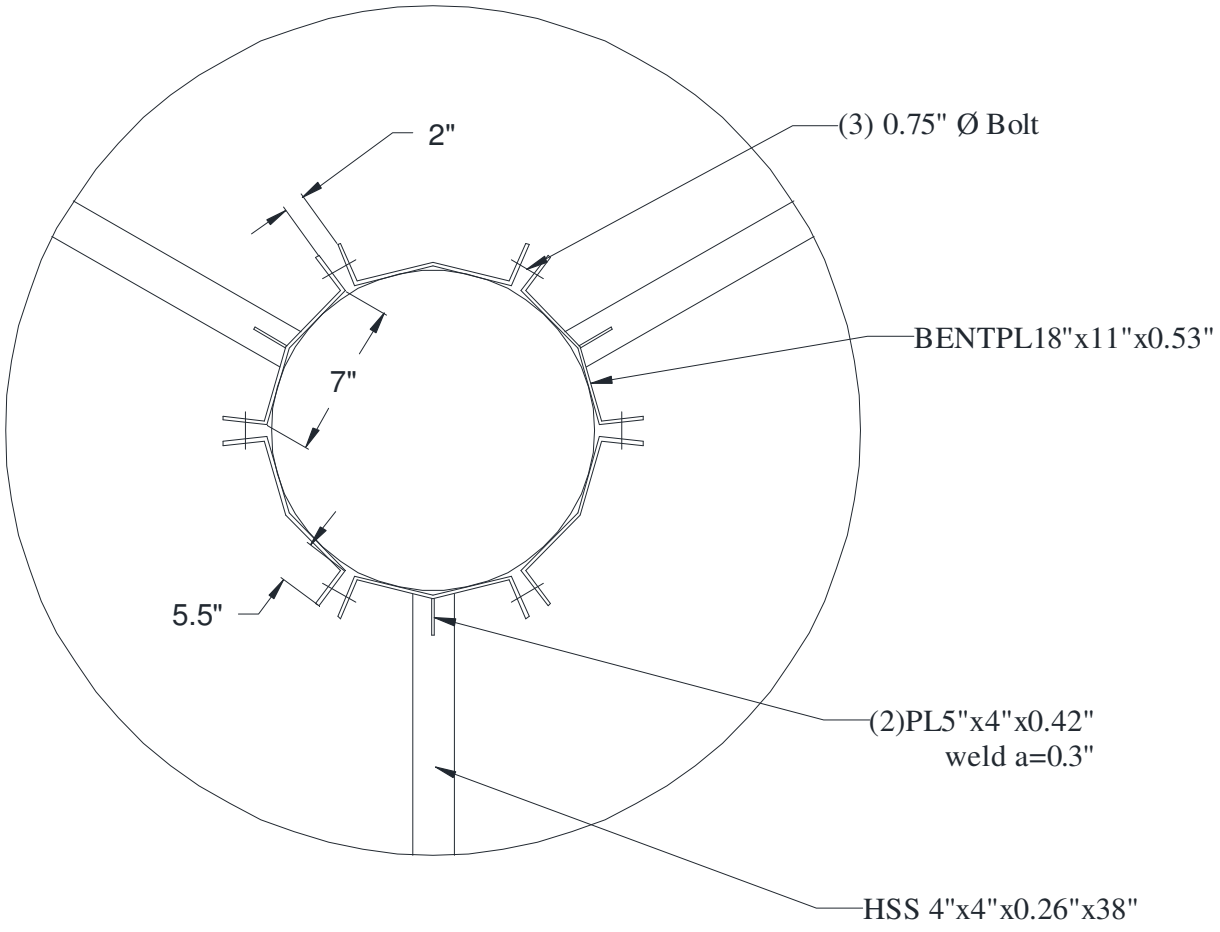


SECTOR A, B, C

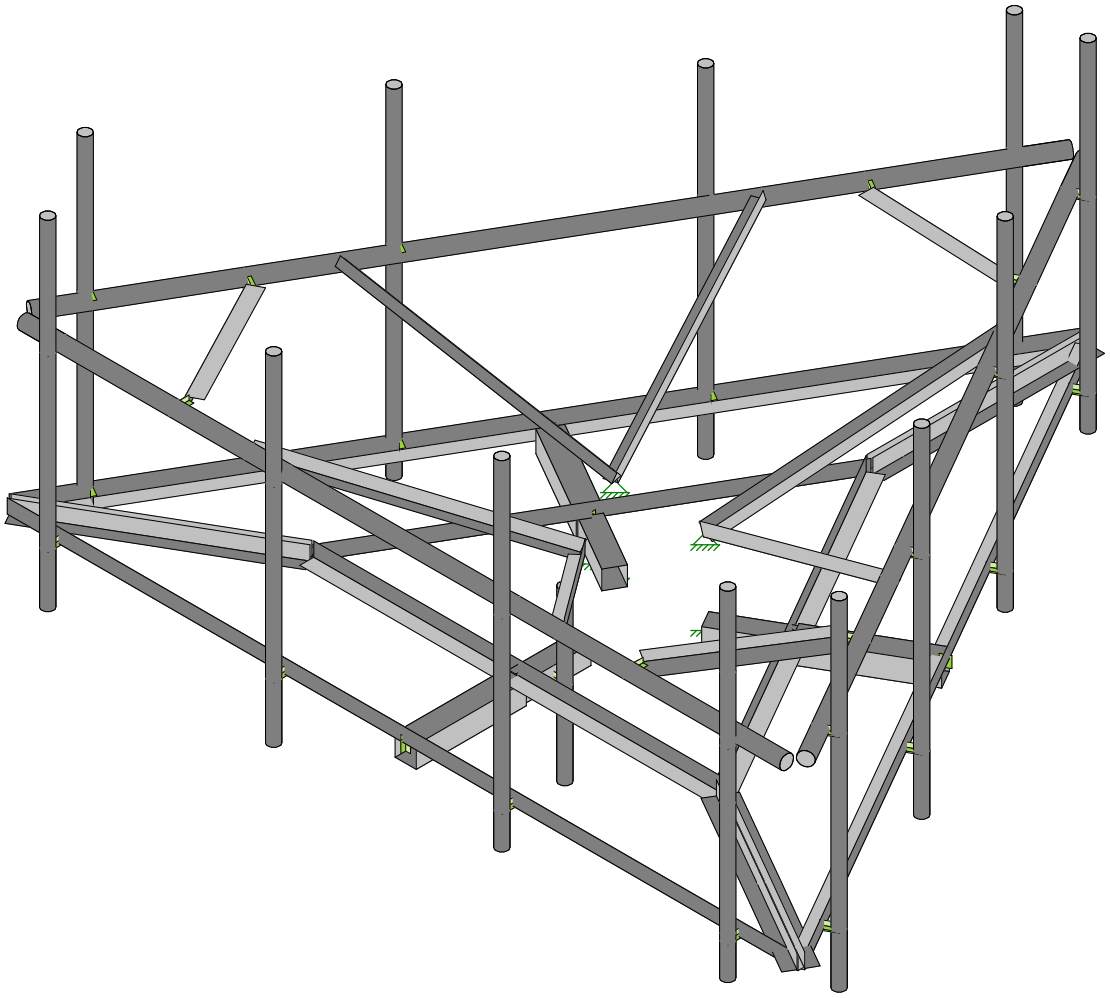


CONN. #1

Please Insert Sketches of the Antenna Mount, cont'd



CONN. #2



Envelope Only Solution

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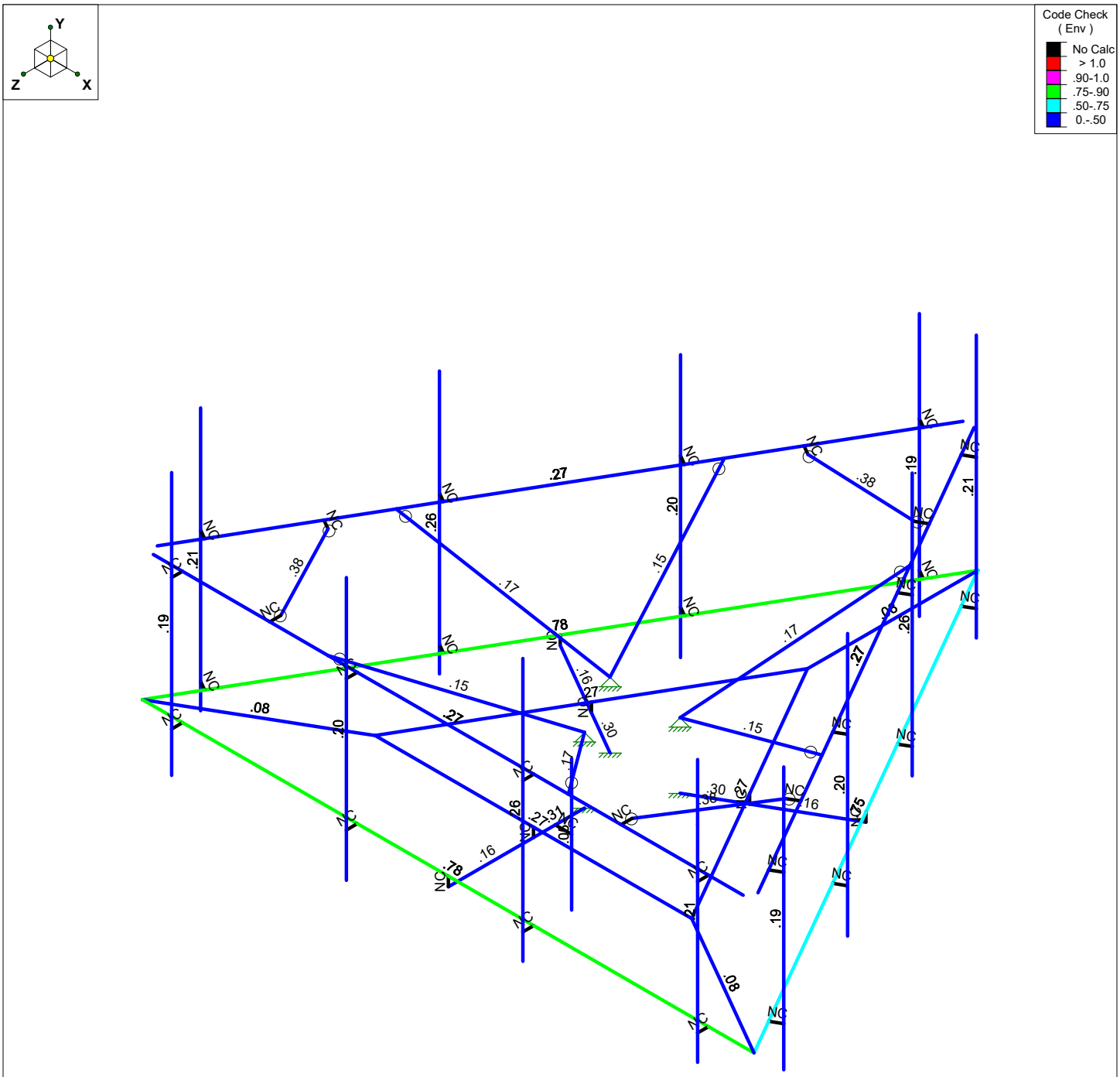
Project No. 10046639		469377-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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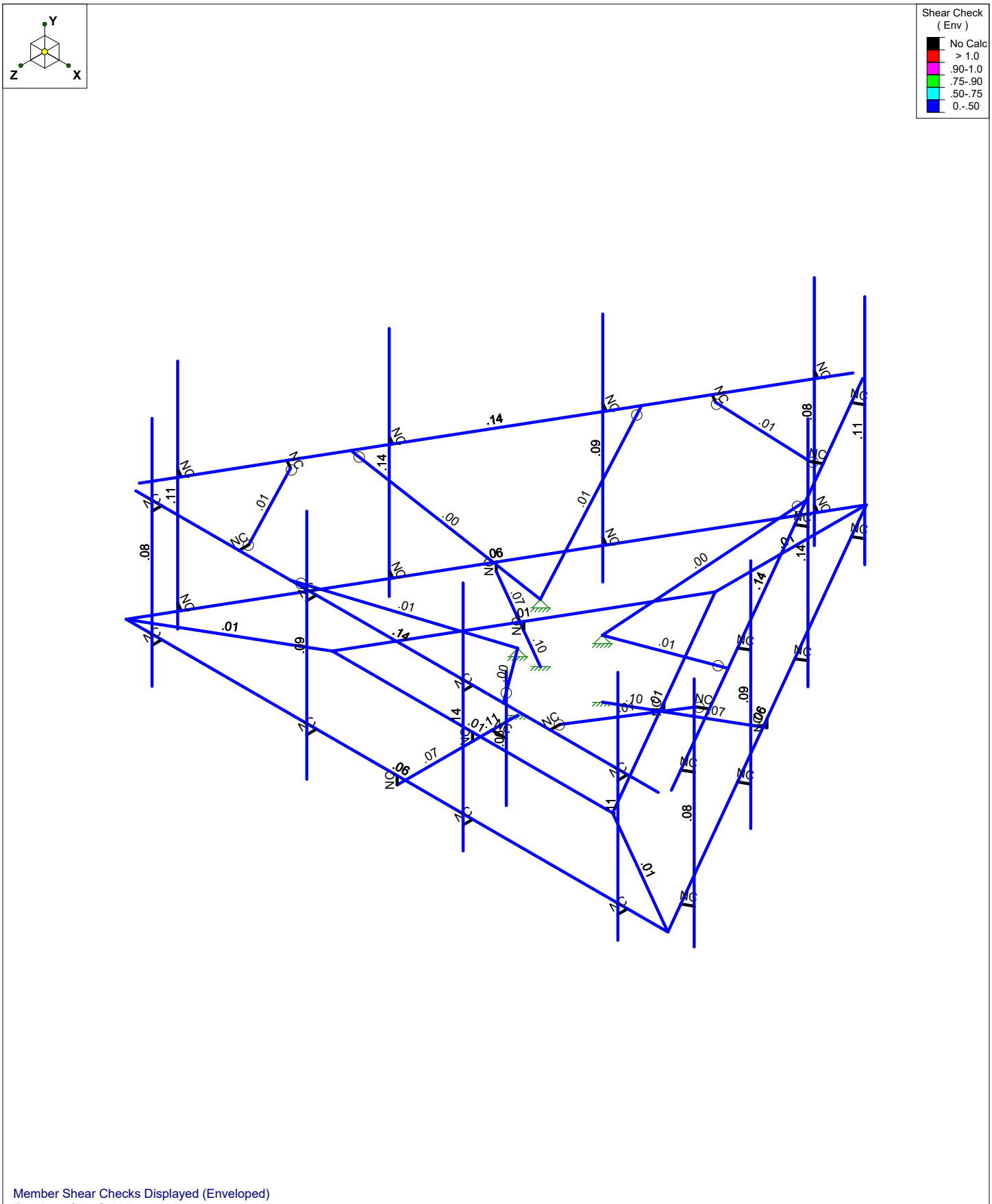

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Project No. 10046639		469377-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						40	3	
41	Structure Wo (0 Deg)	None						80		
42	Structure Wo (30 Deg)	None						80		
43	Structure Wo (60 Deg)	None						80		
44	Structure Wo (90 Deg)	None						80		
45	Structure Wo (120 D...	None						80		
46	Structure Wo (150 D...	None						80		
47	Structure Wo (180 D...	None						80		
48	Structure Wo (210 D...	None						80		
49	Structure Wo (240 D...	None						80		
50	Structure Wo (270 D...	None						80		
51	Structure Wo (300 D...	None						80		
52	Structure Wo (330 D...	None						80		
53	Structure Wi (0 Deg)	None						80		
54	Structure Wi (30 Deg)	None						80		
55	Structure Wi (60 Deg)	None						80		
56	Structure Wi (90 Deg)	None						80		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						80		
58	Structure Wi (150 De...	None						80		
59	Structure Wi (180 De...	None						80		
60	Structure Wi (210 De...	None						80		
61	Structure Wi (240 De...	None						80		
62	Structure Wi (270 De...	None						80		
63	Structure Wi (300 De...	None						80		
64	Structure Wi (330 De...	None						80		
65	Structure Wm (0 Deg)	None						80		
66	Structure Wm (30 De...	None						80		
67	Structure Wm (60 De...	None						80		
68	Structure Wm (90 De...	None						80		
69	Structure Wm (120 D...	None						80		
70	Structure Wm (150 D...	None						80		
71	Structure Wm (180 D...	None						80		
72	Structure Wm (210 D...	None						80		
73	Structure Wm (240 D...	None						80		
74	Structure Wm (270 D...	None						80		
75	Structure Wm (300 D...	None						80		
76	Structure Wm (330 D...	None						80		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

Load Combinations

	Description	Solve	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Solve	P...	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0.	0	-0.	0	
2	N2	0.	-0.208333	0.924651	0	
3	N10	-0.	0	-4.183474	0	
4	N11	-0.	0	-4.711485	0	
5	N13	-0.	0	-7.635855	0	
6	N14	-0.	0	-8.082634	0	
7	N15	-3.622995	0	2.091737	0	
8	N16	-6.999766	0	4.041317	0	
9	N17	3.622995	0	2.091737	0	
10	N18	6.999766	0	4.041317	0	
11	N15A	0.	-0.208333	2.091737	0	
12	N16A	0.	-0.208333	4.041317	0	
13	N15B	-4.080266	0	2.355743	0	
14	N16B	-5.346555	0	3.086835	0	
15	N17A	-6.612845	0	3.817928	0	
16	N18A	4.080266	0	2.355743	0	
17	N19	5.346555	0	3.086835	0	
18	N20	6.612845	0	3.817928	0	
19	N67	3.506769	-0.208333	-2.008732	0	
20	N78	1.811497	-0.208333	-1.045868	0	
21	N91	-3.492997	-0.208333	-2.032585	0	
22	N110	-1.811497	-0.208333	-1.045868	0	
23	N108A	3.499883	-0.208333	-2.020658	0	
24	N110A	-3.499883	-0.208333	-2.020658	0	
25	N123C	0.800772	-0.208333	-0.462326	0	
26	N126A	-0.800771	-0.208333	-0.462326	0	
27	N27	5.9581	0	4.041317	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
28	N28	1.9581	0	4.041317	0	
29	N29	-2.083567	0	4.041317	0	
30	N30	-6.083567	0	4.041317	0	
31	N31	5.9581	0	4.291317	0	
32	N32	1.9581	0	4.291317	0	
33	N33	-2.083567	0	4.291317	0	
34	N34	-6.083567	0	4.291317	0	
35	N35	5.9581	5.416667	4.291317	0	
36	N36	1.9581	5.416667	4.291317	0	
37	N37	5.9581	-0.583333	4.291317	0	
38	N38	1.9581	-0.583333	4.291317	0	
39	N39	-2.083567	5	4.291317	0	
40	N40	-2.083567	-1	4.291317	0	
41	N41	-6.083567	5.083333	4.291317	0	
42	N42	-6.083567	-0.916667	4.291317	0	
43	N44	0.520834	0	-7.180524	0	
44	N45	2.520834	0	-3.716422	0	
45	N46	4.541667	0	-0.216236	0	
46	N47	6.541667	0	3.247865	0	
47	N48	0.73734	0	-7.305524	0	
48	N49	2.73734	0	-3.841422	0	
49	N50	4.758174	0	-0.341236	0	
50	N51	6.758174	0	3.122865	0	
51	N52	0.73734	5.416667	-7.305524	0	
52	N53	2.73734	5.416667	-3.841422	0	
53	N54	0.73734	-0.583333	-7.305524	0	
54	N55	2.73734	-0.583333	-3.841422	0	
55	N56	4.758174	5	-0.341236	0	
56	N57	4.758174	-1	-0.341236	0	
57	N58	6.758174	5.083333	3.122865	0	
58	N59	6.758174	-0.916667	3.122865	0	
59	N61	-6.478933	0	3.139207	0	
60	N62	-4.478933	0	-0.324895	0	
61	N63	-2.458099	0	-3.825081	0	
62	N64	-0.458099	0	-7.289183	0	
63	N65	-6.695439	0	3.014207	0	
64	N66	-4.695439	0	-0.449895	0	
65	N67A	-2.674606	0	-3.950081	0	
66	N68	-0.674606	0	-7.414183	0	
67	N69	-6.695439	5.416667	3.014207	0	
68	N70	-4.695439	5.416667	-0.449895	0	
69	N71	-6.695439	-0.583333	3.014207	0	
70	N72	-4.695439	-0.583333	-0.449895	0	
71	N73	-2.674606	5	-3.950081	0	
72	N74	-2.674606	-1	-3.950081	0	
73	N75	-0.674606	5.083333	-7.414183	0	
74	N76	-0.674606	-0.916667	-7.414183	0	
75	N75A	5.9581	2.125	4.291317	0	
76	N76A	5.9581	4.125	4.291317	0	
77	N77	5.9581	.125	4.291317	0	
78	N78A	0.	0	2.091737	0	
79	N79	0.	0	4.041317	0	
80	N80	3.506769	0	-2.008732	0	
81	N81	1.811497	0	-1.045868	0	
82	N82	-1.811497	0	-1.045868	0	
83	N83	-3.499883	0	-2.020658	0	
84	N84	-6.749766	3	4.041317	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
85	N85	6.749766	3	4.041317	0	
86	N86	5.9581	3	4.041317	0	
87	N87	1.9581	3	4.041317	0	
88	N88	-2.083567	3	4.041317	0	
89	N89	-6.083567	3	4.041317	0	
90	N90	5.9581	3	4.291317	0	
91	N91A	1.9581	3	4.291317	0	
92	N92	-2.083567	3	4.291317	0	
93	N93	-6.083567	3	4.291317	0	
94	N94	5.9581	3.125	4.291317	0	
95	N95	6.874766	3	3.824811	0	
96	N96	0.125	3	-7.866128	0	
97	N97	0.520833	3	-7.180524	0	
98	N98	2.520833	3	-3.716423	0	
99	N99	4.541667	3	-0.216236	0	
100	N100	6.541667	3	3.247865	0	
101	N101	0.73734	3	-7.305524	0	
102	N102	2.73734	3	-3.841423	0	
103	N103	4.758173	3	-0.341236	0	
104	N104	6.758173	3	3.122865	0	
105	N105	-0.125	3	-7.866128	0	
106	N106	-6.874766	3	3.824811	0	
107	N107	-6.478933	3	3.139207	0	
108	N108	-4.478933	3	-0.324894	0	
109	N109	-2.4581	3	-3.82508	0	
110	N110B	-0.4581	3	-7.289182	0	
111	N111	-6.695439	3	3.014207	0	
112	N112	-4.695439	3	-0.449894	0	
113	N113	-2.674606	3	-3.95008	0	
114	N114	-0.674606	3	-7.414182	0	
115	N115	3.9581	3	3.791317	0	
116	N116	3.9581	3	4.041317	0	
117	N117	-4.083567	3	3.791317	0	
118	N118	-4.083567	3	4.041317	0	
119	N119	1.304327	3	-5.323473	0	
120	N120	1.520833	3	-5.448473	0	
121	N121	5.32516	3	1.640814	0	
122	N122	5.541667	3	1.515814	0	
123	N123	-5.262427	3	1.532156	0	
124	N124	-5.478933	3	1.407156	0	
125	N125	-1.241593	3	-5.432131	0	
126	N126	-1.4581	3	-5.557131	0	
127	N127	0.	1.291667	0.924651	0	
128	N128	0.800772	1.291667	-0.462326	0	
129	N129	-0.800771	1.291667	-0.462326	0	
130	N133	2.75	3	4.041317	0	
131	N134	-2.75	3	4.041317	0	
132	N136	2.124883	3	-4.402228	0	
133	N137	4.874883	3	0.360911	0	
134	N139	-4.874883	3	0.360911	0	
135	N140	-2.124883	3	-4.402228	0	
136	N136A	0.	-0.208333	1.591737	0	
137	N137A	.375	-0.208333	1.591737	0	
138	N138	.375	1.291667	1.591737	0	
139	N139A	.375	-1.708333	1.591737	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Standoff_2	HSS4.5X4.5X3	Beam	Tube	A500 Gr.B Rect	Typical	2.93	9.02	9.02	14.4
3	Cross Members	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Horizontal	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Standoff_1	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Angle	LL3x3x4x0	Beam	Double ...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
7	Mount Plate	PL3/8x5	Column	BAR	A36 Gr.36	Typical	1.875	.022	3.906	.084
8	Dual Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Connection	L3X3X4	Column	Pipe	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Mod Kickers	L2.5x2.5x3	Column	Pipe	A36 Gr.36	Typical	.901	.535	.535	.011

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Standoff_1	1.167			Lbyy						Lateral
2	M2	Standoff_2	1.95			Lbyy						Lateral
3	M5	Grating Angle	3.899			Lbyy						Lateral
4	M6	Grating Angle	3.899			Lbyy						Lateral
5	M7	Grating Angle	3.899			Lbyy						Lateral
6	M6A	Cross Mem...	7.246			Lbyy						Lateral
7	M7A	Face Horizo...	14			Lbyy						Lateral
8	M23A	Cross Mem...	7.246			Lbyy						Lateral
9	M24	Face Horizo...	14			Lbyy						Lateral
10	M39A	Cross Mem...	7.246			Lbyy						Lateral
11	M40	Face Horizo...	14			Lbyy						Lateral
12	M55	Standoff_2	1.95			Lbyy						Lateral
13	M56	Standoff_2	1.95			Lbyy						Lateral
14	M74A	Standoff_1	1.167			Lbyy						Lateral
15	M75A	Standoff_1	1.167			Lbyy						Lateral
16	MP4A	Mount Pipe	6									Lateral
17	MP3A	Mount Pipe	6									Lateral
18	MP2A	Dual Mount ...	6									Lateral
19	MP1A	Mount Pipe	6									Lateral
20	MP4C	Mount Pipe	6									Lateral
21	MP3C	Mount Pipe	6									Lateral
22	MP2C	Dual Mount ...	6									Lateral
23	MP1C	Mount Pipe	6									Lateral
24	MP4B	Mount Pipe	6									Lateral
25	MP3B	Mount Pipe	6									Lateral
26	MP2B	Dual Mount ...	6									Lateral
27	MP1B	Mount Pipe	6									Lateral
28	M46	Support Rail	13.5			Lbyy						Lateral
29	M51	Support Rail	13.5			Lbyy						Lateral
30	M56A	Support Rail	13.5			Lbyy						Lateral
31	M67	Support Rail...	2.548									Lateral
32	M68	Support Rail...	2.548									Lateral
33	M69	Support Rail...	2.548									Lateral
34	M70	Mod Kickers	4.494									Lateral
35	M71	Mod Kickers	4.494									Lateral
36	M72	Mod Kickers	4.494									Lateral
37	M73	Mod Kickers	4.494									Lateral
38	M74	Mod Kickers	4.494									Lateral
39	M75	Mod Kickers	4.494									Lateral
40	OVP	Mount Pipe	3									Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N15A			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
3	M5	N14	N10		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M6	N16	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M7	N18	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
6	M6A	N17	N15		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
7	M7A	N16	N18		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
8	M23A	N10	N17		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
9	M24	N18	N14		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
10	M39A	N15	N10		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
11	M40	N14	N16		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M55	N78	N108A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
13	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
14	M74A	N123C	N78			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
15	M75A	N126A	N110			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
16	M16	N34	N30			RIGID	None	None	RIGID	Typical
17	M17	N33	N29			RIGID	None	None	RIGID	Typical
18	M18	N32	N28			RIGID	None	None	RIGID	Typical
19	M19	N31	N27			RIGID	None	None	RIGID	Typical
20	MP4A	N41	N42			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
21	MP3A	N39	N40			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
22	MP2A	N36	N38			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	MP1A	N35	N37			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
24	M24A	N51	N47			RIGID	None	None	RIGID	Typical
25	M25	N50	N46			RIGID	None	None	RIGID	Typical
26	M26	N49	N45			RIGID	None	None	RIGID	Typical
27	M27	N48	N44			RIGID	None	None	RIGID	Typical
28	MP4C	N58	N59			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
29	MP3C	N56	N57			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
30	MP2C	N53	N55			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
31	MP1C	N52	N54			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
32	M32	N68	N64			RIGID	None	None	RIGID	Typical
33	M33	N67A	N63			RIGID	None	None	RIGID	Typical
34	M34	N66	N62			RIGID	None	None	RIGID	Typical
35	M35	N65	N61			RIGID	None	None	RIGID	Typical
36	MP4B	N75	N76			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
37	MP3B	N73	N74			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
38	MP2B	N70	N72			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
39	MP1B	N69	N71			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
40	M40A	N79	N16A			RIGID	None	None	RIGID	Typical
41	M41	N78A	N15A			RIGID	None	None	RIGID	Typical
42	M42	N83	N110A			RIGID	None	None	RIGID	Typical
43	M43	N82	N110			RIGID	None	None	RIGID	Typical
44	M44	N81	N78			RIGID	None	None	RIGID	Typical
45	M45	N80	N108A			RIGID	None	None	RIGID	Typical
46	M46	N84	N85		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
47	M47	N93	N89			RIGID	None	None	RIGID	Typical
48	M48	N92	N88			RIGID	None	None	RIGID	Typical
49	M49	N91A	N87			RIGID	None	None	RIGID	Typical
50	M50	N90	N86			RIGID	None	None	RIGID	Typical
51	M51	N95	N96		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
52	M52	N104	N100			RIGID	None	None	RIGID	Typical
53	M53	N103	N99			RIGID	None	None	RIGID	Typical
54	M54	N102	N98			RIGID	None	None	RIGID	Typical
55	M55A	N101	N97			RIGID	None	None	RIGID	Typical
56	M56A	N105	N106		270	Support Rail	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N114	N110B			RIGID	None	None	RIGID	Typical
58	M58	N113	N109			RIGID	None	None	RIGID	Typical
59	M59	N112	N108			RIGID	None	None	RIGID	Typical
60	M60	N111	N107			RIGID	None	None	RIGID	Typical
61	M61	N116	N115			RIGID	None	None	RIGID	Typical
62	M62	N118	N117			RIGID	None	None	RIGID	Typical
63	M63	N120	N119			RIGID	None	None	RIGID	Typical
64	M64	N122	N121			RIGID	None	None	RIGID	Typical
65	M65	N124	N123			RIGID	None	None	RIGID	Typical
66	M66	N126	N125			RIGID	None	None	RIGID	Typical
67	M67	N117	N123		90	Support Rail C..	Column	Pipe	A36 Gr.36	Typical
68	M68	N121	N115		90	Support Rail C..	Column	Pipe	A36 Gr.36	Typical
69	M69	N125	N119		90	Support Rail C..	Column	Pipe	A36 Gr.36	Typical
70	M70	N134	N127			Mod Kickers	Column	Pipe	A36 Gr.36	Typical
71	M71	N133	N127		270	Mod Kickers	Column	Pipe	A36 Gr.36	Typical
72	M72	N137	N128			Mod Kickers	Column	Pipe	A36 Gr.36	Typical
73	M73	N136	N128		270	Mod Kickers	Column	Pipe	A36 Gr.36	Typical
74	M74	N140	N129			Mod Kickers	Column	Pipe	A36 Gr.36	Typical
75	M75	N139	N129		270	Mod Kickers	Column	Pipe	A36 Gr.36	Typical
76	OVP	N138	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	M77	N137A	N136A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M5						Yes				None
4	M6						Yes				None
5	M7						Yes	Default			None
6	M6A						Yes				None
7	M7A						Yes	Default			None
8	M23A						Yes				None
9	M24						Yes				None
10	M39A						Yes				None
11	M40						Yes				None
12	M55						Yes				None
13	M56						Yes				None
14	M74A						Yes				None
15	M75A						Yes				None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	MP4A						Yes	** NA **			None
21	MP3A						Yes	** NA **			None
22	MP2A						Yes	** NA **			None
23	MP1A						Yes	** NA **			None
24	M24A						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	MP4C						Yes	** NA **			None
29	MP3C						Yes	** NA **			None
30	MP2C						Yes	** NA **			None
31	MP1C						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	MP4B						Yes	** NA **			None
37	MP3B						Yes	** NA **			None
38	MP2B						Yes	** NA **			None
39	MP1B						Yes	** NA **			None
40	M40A						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55A						Yes	** NA **			None
56	M56A						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61	OOOOOX					Yes	** NA **			None
62	M62	OOOOOX					Yes	** NA **			None
63	M63	OOOOOX					Yes	** NA **			None
64	M64	OOOOOX					Yes	** NA **			None
65	M65	OOOOOX					Yes	** NA **			None
66	M66	OOOOOX					Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70	BenPIN					Yes	** NA **			None
71	M71	BenPIN					Yes	** NA **			None
72	M72	BenPIN					Yes	** NA **			None
73	M73	BenPIN					Yes	** NA **			None
74	M74	BenPIN					Yes	** NA **			None
75	M75	BenPIN					Yes	** NA **			None
76	OVP						Yes	** NA **			None
77	M77						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	1.25
2	MP2A	My	-.024	1.25
3	MP2A	Mz	.021	1.25
4	MP2A	Y	-31.65	5.25
5	MP2A	My	-.024	5.25
6	MP2A	Mz	.021	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	Y	-31.65	1.25
8	MP2B	My	-.006	1.25
9	MP2B	Mz	-.031	1.25
10	MP2B	Y	-31.65	5.25
11	MP2B	My	-.006	5.25
12	MP2B	Mz	-.031	5.25
13	MP2C	Y	-31.65	1.25
14	MP2C	My	.03	1.25
15	MP2C	Mz	.01	1.25
16	MP2C	Y	-31.65	5.25
17	MP2C	My	.03	5.25
18	MP2C	Mz	.01	5.25
19	MP2A	Y	-31.65	1.25
20	MP2A	My	-.024	1.25
21	MP2A	Mz	-.021	1.25
22	MP2A	Y	-31.65	5.25
23	MP2A	My	-.024	5.25
24	MP2A	Mz	-.021	5.25
25	MP2B	Y	-31.65	1.25
26	MP2B	My	.03	1.25
27	MP2B	Mz	-.01	1.25
28	MP2B	Y	-31.65	5.25
29	MP2B	My	.03	5.25
30	MP2B	Mz	-.01	5.25
31	MP2C	Y	-31.65	1.25
32	MP2C	My	-.006	1.25
33	MP2C	Mz	.031	1.25
34	MP2C	Y	-31.65	5.25
35	MP2C	My	-.006	5.25
36	MP2C	Mz	.031	5.25
37	MP3A	Y	-43.55	2.41
38	MP3A	My	-.033	2.41
39	MP3A	Mz	0	2.41
40	MP3A	Y	-43.55	3.41
41	MP3A	My	-.033	3.41
42	MP3A	Mz	0	3.41
43	MP3B	Y	-43.55	2.41
44	MP3B	My	.016	2.41
45	MP3B	Mz	-.028	2.41
46	MP3B	Y	-43.55	3.41
47	MP3B	My	.016	3.41
48	MP3B	Mz	-.028	3.41
49	MP3C	Y	-43.55	2.41
50	MP3C	My	.016	2.41
51	MP3C	Mz	.028	2.41
52	MP3C	Y	-43.55	3.41
53	MP3C	My	.016	3.41
54	MP3C	Mz	.028	3.41
55	MP2A	Y	-10.4	2.5
56	MP2A	My	.005	2.5
57	MP2A	Mz	0	2.5
58	MP2B	Y	-10.4	2.5
59	MP2B	My	-.003	2.5
60	MP2B	Mz	.005	2.5
61	MP2C	Y	-10.4	2.5
62	MP2C	My	-.003	2.5
63	MP2C	Mz	-.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	Y	-84.4	4
65	MP3A	My	.042	4
66	MP3A	Mz	0	4
67	MP3B	Y	-84.4	4
68	MP3B	My	-.021	4
69	MP3B	Mz	.037	4
70	MP3C	Y	-84.4	4
71	MP3C	My	-.021	4
72	MP3C	Mz	-.037	4
73	MP2A	Y	-70.3	4
74	MP2A	My	.035	4
75	MP2A	Mz	0	4
76	MP2B	Y	-70.3	4
77	MP2B	My	-.018	4
78	MP2B	Mz	.03	4
79	MP2C	Y	-70.3	4
80	MP2C	My	-.018	4
81	MP2C	Mz	-.03	4
82	MP1A	Y	-22.95	.67
83	MP1A	My	-.017	.67
84	MP1A	Mz	0	.67
85	MP1A	Y	-22.95	5.67
86	MP1A	My	-.017	5.67
87	MP1A	Mz	0	5.67
88	MP1B	Y	-22.95	.67
89	MP1B	My	.009	.67
90	MP1B	Mz	-.015	.67
91	MP1B	Y	-22.95	5.67
92	MP1B	My	.009	5.67
93	MP1B	Mz	-.015	5.67
94	MP1C	Y	-22.95	.67
95	MP1C	My	.009	.67
96	MP1C	Mz	.015	.67
97	MP1C	Y	-22.95	5.67
98	MP1C	My	.009	5.67
99	MP1C	Mz	.015	5.67
100	OVP	Y	-44	1
101	OVP	My	0	1
102	OVP	Mz	.022	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-67.948	1.25
2	MP2A	My	-.051	1.25
3	MP2A	Mz	.045	1.25
4	MP2A	Y	-67.948	5.25
5	MP2A	My	-.051	5.25
6	MP2A	Mz	.045	5.25
7	MP2B	Y	-67.948	1.25
8	MP2B	My	-.014	1.25
9	MP2B	Mz	-.067	1.25
10	MP2B	Y	-67.948	5.25
11	MP2B	My	-.014	5.25
12	MP2B	Mz	-.067	5.25
13	MP2C	Y	-67.948	1.25
14	MP2C	My	.065	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mz	.021	1.25
16	MP2C	Y	-67.948	5.25
17	MP2C	My	.065	5.25
18	MP2C	Mz	.021	5.25
19	MP2A	Y	-67.948	1.25
20	MP2A	My	-.051	1.25
21	MP2A	Mz	-.045	1.25
22	MP2A	Y	-67.948	5.25
23	MP2A	My	-.051	5.25
24	MP2A	Mz	-.045	5.25
25	MP2B	Y	-67.948	1.25
26	MP2B	My	.065	1.25
27	MP2B	Mz	-.021	1.25
28	MP2B	Y	-67.948	5.25
29	MP2B	My	.065	5.25
30	MP2B	Mz	-.021	5.25
31	MP2C	Y	-67.948	1.25
32	MP2C	My	-.014	1.25
33	MP2C	Mz	.067	1.25
34	MP2C	Y	-67.948	5.25
35	MP2C	My	-.014	5.25
36	MP2C	Mz	.067	5.25
37	MP3A	Y	-34.577	2.41
38	MP3A	My	-.026	2.41
39	MP3A	Mz	0	2.41
40	MP3A	Y	-34.577	3.41
41	MP3A	My	-.026	3.41
42	MP3A	Mz	0	3.41
43	MP3B	Y	-34.577	2.41
44	MP3B	My	.013	2.41
45	MP3B	Mz	-.022	2.41
46	MP3B	Y	-34.577	3.41
47	MP3B	My	.013	3.41
48	MP3B	Mz	-.022	3.41
49	MP3C	Y	-34.577	2.41
50	MP3C	My	.013	2.41
51	MP3C	Mz	.022	2.41
52	MP3C	Y	-34.577	3.41
53	MP3C	My	.013	3.41
54	MP3C	Mz	.022	3.41
55	MP2A	Y	-10.386	2.5
56	MP2A	My	.005	2.5
57	MP2A	Mz	0	2.5
58	MP2B	Y	-10.386	2.5
59	MP2B	My	-.003	2.5
60	MP2B	Mz	.004	2.5
61	MP2C	Y	-10.386	2.5
62	MP2C	My	-.003	2.5
63	MP2C	Mz	-.004	2.5
64	MP3A	Y	-43.575	4
65	MP3A	My	.022	4
66	MP3A	Mz	0	4
67	MP3B	Y	-43.575	4
68	MP3B	My	-.011	4
69	MP3B	Mz	.019	4
70	MP3C	Y	-43.575	4
71	MP3C	My	-.011	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mz	-.019	4
73	MP2A	Y	-39.179	4
74	MP2A	My	.02	4
75	MP2A	Mz	0	4
76	MP2B	Y	-39.179	4
77	MP2B	My	-.01	4
78	MP2B	Mz	.017	4
79	MP2C	Y	-39.179	4
80	MP2C	My	-.01	4
81	MP2C	Mz	-.017	4
82	MP1A	Y	-65.348	.67
83	MP1A	My	-.049	.67
84	MP1A	Mz	0	.67
85	MP1A	Y	-65.348	5.67
86	MP1A	My	-.049	5.67
87	MP1A	Mz	0	5.67
88	MP1B	Y	-65.348	.67
89	MP1B	My	.025	.67
90	MP1B	Mz	-.042	.67
91	MP1B	Y	-65.348	5.67
92	MP1B	My	.025	5.67
93	MP1B	Mz	-.042	5.67
94	MP1C	Y	-65.348	.67
95	MP1C	My	.025	.67
96	MP1C	Mz	.042	.67
97	MP1C	Y	-65.348	5.67
98	MP1C	My	.025	5.67
99	MP1C	Mz	.042	5.67
100	OVP	Y	-71.689	1
101	OVP	My	0	1
102	OVP	Mz	.036	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	-179.573	1.25
3	MP2A	Mx	-.12	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	-179.573	5.25
6	MP2A	Mx	-.12	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	-133.349	1.25
9	MP2B	Mx	.131	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	-133.349	5.25
12	MP2B	Mx	.131	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	-133.349	1.25
15	MP2C	Mx	-.042	1.25
16	MP2C	X	0	5.25
17	MP2C	Z	-133.349	5.25
18	MP2C	Mx	-.042	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	-179.573	1.25
21	MP2A	Mx	.12	1.25
22	MP2A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-179.573	5.25
24	MP2A	Mx	.12	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	-133.349	1.25
27	MP2B	Mx	.042	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	-133.349	5.25
30	MP2B	Mx	.042	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	-133.349	1.25
33	MP2C	Mx	-.131	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	-133.349	5.25
36	MP2C	Mx	-.131	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	-92.645	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41
41	MP3A	Z	-92.645	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	-50.364	2.41
45	MP3B	Mx	.033	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	-50.364	3.41
48	MP3B	Mx	.033	3.41
49	MP3C	X	0	2.41
50	MP3C	Z	-50.364	2.41
51	MP3C	Mx	-.033	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	-50.364	3.41
54	MP3C	Mx	-.033	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	-14.587	2.5
57	MP2A	Mx	0	2.5
58	MP2B	X	0	2.5
59	MP2B	Z	-11.216	2.5
60	MP2B	Mx	-.005	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	-11.216	2.5
63	MP2C	Mx	.005	2.5
64	MP3A	X	0	4
65	MP3A	Z	-73.721	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-55.39	4
69	MP3B	Mx	-.024	4
70	MP3C	X	0	4
71	MP3C	Z	-55.39	4
72	MP3C	Mx	.024	4
73	MP2A	X	0	4
74	MP2A	Z	-73.721	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	-48.367	4
78	MP2B	Mx	-.021	4
79	MP2C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	-48.367	4
81	MP2C	Mx	.021	4
82	MP1A	X	0	.67
83	MP1A	Z	-181.938	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	-181.938	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	-136.259	.67
90	MP1B	Mx	.089	.67
91	MP1B	X	0	5.67
92	MP1B	Z	-136.259	5.67
93	MP1B	Mx	.089	5.67
94	MP1C	X	0	.67
95	MP1C	Z	-136.259	.67
96	MP1C	Mx	-.089	.67
97	MP1C	X	0	5.67
98	MP1C	Z	-136.259	5.67
99	MP1C	Mx	-.089	5.67
100	OVP	X	0	1
101	OVP	Z	-146.26	1
102	OVP	Mx	-.073	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	82.082	1.25
2	MP2A	Z	-142.171	1.25
3	MP2A	Mx	-.156	1.25
4	MP2A	X	82.082	5.25
5	MP2A	Z	-142.171	5.25
6	MP2A	Mx	-.156	5.25
7	MP2B	X	58.971	1.25
8	MP2B	Z	-102.14	1.25
9	MP2B	Mx	.088	1.25
10	MP2B	X	58.971	5.25
11	MP2B	Z	-102.14	5.25
12	MP2B	Mx	.088	5.25
13	MP2C	X	82.082	1.25
14	MP2C	Z	-142.171	1.25
15	MP2C	Mx	.033	1.25
16	MP2C	X	82.082	5.25
17	MP2C	Z	-142.171	5.25
18	MP2C	Mx	.033	5.25
19	MP2A	X	82.082	1.25
20	MP2A	Z	-142.171	1.25
21	MP2A	Mx	.033	1.25
22	MP2A	X	82.082	5.25
23	MP2A	Z	-142.171	5.25
24	MP2A	Mx	.033	5.25
25	MP2B	X	58.971	1.25
26	MP2B	Z	-102.14	1.25
27	MP2B	Mx	.088	1.25
28	MP2B	X	58.971	5.25
29	MP2B	Z	-102.14	5.25
30	MP2B	Mx	.088	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	82.082	1.25
32	MP2C	Z	-142.171	1.25
33	MP2C	Mx	-.156	1.25
34	MP2C	X	82.082	5.25
35	MP2C	Z	-142.171	5.25
36	MP2C	Mx	-.156	5.25
37	MP3A	X	39.275	2.41
38	MP3A	Z	-68.027	2.41
39	MP3A	Mx	-.029	2.41
40	MP3A	X	39.275	3.41
41	MP3A	Z	-68.027	3.41
42	MP3A	Mx	-.029	3.41
43	MP3B	X	18.135	2.41
44	MP3B	Z	-31.411	2.41
45	MP3B	Mx	.027	2.41
46	MP3B	X	18.135	3.41
47	MP3B	Z	-31.411	3.41
48	MP3B	Mx	.027	3.41
49	MP3C	X	39.275	2.41
50	MP3C	Z	-68.027	2.41
51	MP3C	Mx	-.029	2.41
52	MP3C	X	39.275	3.41
53	MP3C	Z	-68.027	3.41
54	MP3C	Mx	-.029	3.41
55	MP2A	X	6.732	2.5
56	MP2A	Z	-11.659	2.5
57	MP2A	Mx	.003	2.5
58	MP2B	X	5.046	2.5
59	MP2B	Z	-8.74	2.5
60	MP2B	Mx	-.005	2.5
61	MP2C	X	6.732	2.5
62	MP2C	Z	-11.659	2.5
63	MP2C	Mx	.003	2.5
64	MP3A	X	33.805	4
65	MP3A	Z	-58.553	4
66	MP3A	Mx	.017	4
67	MP3B	X	24.64	4
68	MP3B	Z	-42.677	4
69	MP3B	Mx	-.025	4
70	MP3C	X	33.805	4
71	MP3C	Z	-58.553	4
72	MP3C	Mx	.017	4
73	MP2A	X	32.635	4
74	MP2A	Z	-56.526	4
75	MP2A	Mx	.016	4
76	MP2B	X	19.958	4
77	MP2B	Z	-34.568	4
78	MP2B	Mx	-.02	4
79	MP2C	X	32.635	4
80	MP2C	Z	-56.526	4
81	MP2C	Mx	.016	4
82	MP1A	X	83.356	.67
83	MP1A	Z	-144.377	.67
84	MP1A	Mx	-.063	.67
85	MP1A	X	83.356	5.67
86	MP1A	Z	-144.377	5.67
87	MP1A	Mx	-.063	5.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	60.516	.67
89	MP1B	Z	-104.817	.67
90	MP1B	Mx	.091	.67
91	MP1B	X	60.516	5.67
92	MP1B	Z	-104.817	5.67
93	MP1B	Mx	.091	5.67
94	MP1C	X	83.356	.67
95	MP1C	Z	-144.377	.67
96	MP1C	Mx	-.063	.67
97	MP1C	X	83.356	5.67
98	MP1C	Z	-144.377	5.67
99	MP1C	Mx	-.063	5.67
100	OVP	X	65.718	1
101	OVP	Z	-113.827	1
102	OVP	Mx	-.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	115.484	1.25
2	MP2A	Z	-66.674	1.25
3	MP2A	Mx	-.131	1.25
4	MP2A	X	115.484	5.25
5	MP2A	Z	-66.674	5.25
6	MP2A	Mx	-.131	5.25
7	MP2B	X	115.484	1.25
8	MP2B	Z	-66.674	1.25
9	MP2B	Mx	.042	1.25
10	MP2B	X	115.484	5.25
11	MP2B	Z	-66.674	5.25
12	MP2B	Mx	.042	5.25
13	MP2C	X	155.515	1.25
14	MP2C	Z	-89.786	1.25
15	MP2C	Mx	.12	1.25
16	MP2C	X	155.515	5.25
17	MP2C	Z	-89.786	5.25
18	MP2C	Mx	.12	5.25
19	MP2A	X	115.484	1.25
20	MP2A	Z	-66.674	1.25
21	MP2A	Mx	-.042	1.25
22	MP2A	X	115.484	5.25
23	MP2A	Z	-66.674	5.25
24	MP2A	Mx	-.042	5.25
25	MP2B	X	115.484	1.25
26	MP2B	Z	-66.674	1.25
27	MP2B	Mx	.131	1.25
28	MP2B	X	115.484	5.25
29	MP2B	Z	-66.674	5.25
30	MP2B	Mx	.131	5.25
31	MP2C	X	155.515	1.25
32	MP2C	Z	-89.786	1.25
33	MP2C	Mx	-.12	1.25
34	MP2C	X	155.515	5.25
35	MP2C	Z	-89.786	5.25
36	MP2C	Mx	-.12	5.25
37	MP3A	X	43.616	2.41
38	MP3A	Z	-25.182	2.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	-.033	2.41
40	MP3A	X	43.616	3.41
41	MP3A	Z	-25.182	3.41
42	MP3A	Mx	-.033	3.41
43	MP3B	X	43.616	2.41
44	MP3B	Z	-25.182	2.41
45	MP3B	Mx	.033	2.41
46	MP3B	X	43.616	3.41
47	MP3B	Z	-25.182	3.41
48	MP3B	Mx	.033	3.41
49	MP3C	X	80.233	2.41
50	MP3C	Z	-46.322	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	80.233	3.41
53	MP3C	Z	-46.322	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	9.713	2.5
56	MP2A	Z	-5.608	2.5
57	MP2A	Mx	.005	2.5
58	MP2B	X	9.713	2.5
59	MP2B	Z	-5.608	2.5
60	MP2B	Mx	-.005	2.5
61	MP2C	X	12.632	2.5
62	MP2C	Z	-7.293	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	47.969	4
65	MP3A	Z	-27.695	4
66	MP3A	Mx	.024	4
67	MP3B	X	47.969	4
68	MP3B	Z	-27.695	4
69	MP3B	Mx	-.024	4
70	MP3C	X	63.845	4
71	MP3C	Z	-36.861	4
72	MP3C	Mx	0	4
73	MP2A	X	41.887	4
74	MP2A	Z	-24.184	4
75	MP2A	Mx	.021	4
76	MP2B	X	41.887	4
77	MP2B	Z	-24.184	4
78	MP2B	Mx	-.021	4
79	MP2C	X	63.845	4
80	MP2C	Z	-36.861	4
81	MP2C	Mx	0	4
82	MP1A	X	118.004	.67
83	MP1A	Z	-68.129	.67
84	MP1A	Mx	-.089	.67
85	MP1A	X	118.004	5.67
86	MP1A	Z	-68.129	5.67
87	MP1A	Mx	-.089	5.67
88	MP1B	X	118.004	.67
89	MP1B	Z	-68.129	.67
90	MP1B	Mx	.089	.67
91	MP1B	X	118.004	5.67
92	MP1B	Z	-68.129	5.67
93	MP1B	Mx	.089	5.67
94	MP1C	X	157.563	.67
95	MP1C	Z	-90.969	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mx	0	.67
97	MP1C	X	157.563	5.67
98	MP1C	Z	-90.969	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	88.151	1
101	OVP	Z	-50.894	1
102	OVP	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	117.941	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	-.088	1.25
4	MP2A	X	117.941	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	-.088	5.25
7	MP2B	X	164.165	1.25
8	MP2B	Z	0	1.25
9	MP2B	Mx	-.033	1.25
10	MP2B	X	164.165	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	-.033	5.25
13	MP2C	X	164.165	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	.156	1.25
16	MP2C	X	164.165	5.25
17	MP2C	Z	0	5.25
18	MP2C	Mx	.156	5.25
19	MP2A	X	117.941	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.088	1.25
22	MP2A	X	117.941	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	-.088	5.25
25	MP2B	X	164.165	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.156	1.25
28	MP2B	X	164.165	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	.156	5.25
31	MP2C	X	164.165	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	-.033	1.25
34	MP2C	X	164.165	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	-.033	5.25
37	MP3A	X	36.27	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	-.027	2.41
40	MP3A	X	36.27	3.41
41	MP3A	Z	0	3.41
42	MP3A	Mx	-.027	3.41
43	MP3B	X	78.551	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	.029	2.41
46	MP3B	X	78.551	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	0	3.41
48	MP3B	Mx	.029	3.41
49	MP3C	X	78.551	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	.029	2.41
52	MP3C	X	78.551	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	.029	3.41
55	MP2A	X	10.092	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.005	2.5
58	MP2B	X	13.463	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	-.003	2.5
61	MP2C	X	13.463	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	-.003	2.5
64	MP3A	X	49.279	4
65	MP3A	Z	0	4
66	MP3A	Mx	.025	4
67	MP3B	X	67.611	4
68	MP3B	Z	0	4
69	MP3B	Mx	-.017	4
70	MP3C	X	67.611	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.017	4
73	MP2A	X	39.916	4
74	MP2A	Z	0	4
75	MP2A	Mx	.02	4
76	MP2B	X	65.27	4
77	MP2B	Z	0	4
78	MP2B	Mx	-.016	4
79	MP2C	X	65.27	4
80	MP2C	Z	0	4
81	MP2C	Mx	-.016	4
82	MP1A	X	121.032	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	-.091	.67
85	MP1A	X	121.032	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	-.091	5.67
88	MP1B	X	166.712	.67
89	MP1B	Z	0	.67
90	MP1B	Mx	.063	.67
91	MP1B	X	166.712	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	.063	5.67
94	MP1C	X	166.712	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	.063	.67
97	MP1C	X	166.712	5.67
98	MP1C	Z	0	5.67
99	MP1C	Mx	.063	5.67
100	OVP	X	86.964	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	115.484	1.25
2	MP2A	Z	66.674	1.25
3	MP2A	Mx	-.042	1.25
4	MP2A	X	115.484	5.25
5	MP2A	Z	66.674	5.25
6	MP2A	Mx	-.042	5.25
7	MP2B	X	155.515	1.25
8	MP2B	Z	89.786	1.25
9	MP2B	Mx	-.12	1.25
10	MP2B	X	155.515	5.25
11	MP2B	Z	89.786	5.25
12	MP2B	Mx	-.12	5.25
13	MP2C	X	115.484	1.25
14	MP2C	Z	66.674	1.25
15	MP2C	Mx	.131	1.25
16	MP2C	X	115.484	5.25
17	MP2C	Z	66.674	5.25
18	MP2C	Mx	.131	5.25
19	MP2A	X	115.484	1.25
20	MP2A	Z	66.674	1.25
21	MP2A	Mx	-.131	1.25
22	MP2A	X	115.484	5.25
23	MP2A	Z	66.674	5.25
24	MP2A	Mx	-.131	5.25
25	MP2B	X	155.515	1.25
26	MP2B	Z	89.786	1.25
27	MP2B	Mx	.12	1.25
28	MP2B	X	155.515	5.25
29	MP2B	Z	89.786	5.25
30	MP2B	Mx	.12	5.25
31	MP2C	X	115.484	1.25
32	MP2C	Z	66.674	1.25
33	MP2C	Mx	.042	1.25
34	MP2C	X	115.484	5.25
35	MP2C	Z	66.674	5.25
36	MP2C	Mx	.042	5.25
37	MP3A	X	43.616	2.41
38	MP3A	Z	25.182	2.41
39	MP3A	Mx	-.033	2.41
40	MP3A	X	43.616	3.41
41	MP3A	Z	25.182	3.41
42	MP3A	Mx	-.033	3.41
43	MP3B	X	80.233	2.41
44	MP3B	Z	46.322	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	80.233	3.41
47	MP3B	Z	46.322	3.41
48	MP3B	Mx	0	3.41
49	MP3C	X	43.616	2.41
50	MP3C	Z	25.182	2.41
51	MP3C	Mx	.033	2.41
52	MP3C	X	43.616	3.41
53	MP3C	Z	25.182	3.41
54	MP3C	Mx	.033	3.41
55	MP2A	X	9.713	2.5
56	MP2A	Z	5.608	2.5
57	MP2A	Mx	.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	12.632	2.5
59	MP2B	Z	7.293	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	9.713	2.5
62	MP2C	Z	5.608	2.5
63	MP2C	Mx	-.005	2.5
64	MP3A	X	47.969	4
65	MP3A	Z	27.695	4
66	MP3A	Mx	.024	4
67	MP3B	X	63.845	4
68	MP3B	Z	36.861	4
69	MP3B	Mx	0	4
70	MP3C	X	47.969	4
71	MP3C	Z	27.695	4
72	MP3C	Mx	-.024	4
73	MP2A	X	41.887	4
74	MP2A	Z	24.184	4
75	MP2A	Mx	.021	4
76	MP2B	X	63.845	4
77	MP2B	Z	36.861	4
78	MP2B	Mx	0	4
79	MP2C	X	41.887	4
80	MP2C	Z	24.184	4
81	MP2C	Mx	-.021	4
82	MP1A	X	118.004	.67
83	MP1A	Z	68.129	.67
84	MP1A	Mx	-.089	.67
85	MP1A	X	118.004	5.67
86	MP1A	Z	68.129	5.67
87	MP1A	Mx	-.089	5.67
88	MP1B	X	157.563	.67
89	MP1B	Z	90.969	.67
90	MP1B	Mx	0	.67
91	MP1B	X	157.563	5.67
92	MP1B	Z	90.969	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	118.004	.67
95	MP1C	Z	68.129	.67
96	MP1C	Mx	.089	.67
97	MP1C	X	118.004	5.67
98	MP1C	Z	68.129	5.67
99	MP1C	Mx	.089	5.67
100	OVP	X	88.151	1
101	OVP	Z	50.894	1
102	OVP	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	82.082	1.25
2	MP2A	Z	142.171	1.25
3	MP2A	Mx	.033	1.25
4	MP2A	X	82.082	5.25
5	MP2A	Z	142.171	5.25
6	MP2A	Mx	.033	5.25
7	MP2B	X	82.082	1.25
8	MP2B	Z	142.171	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.156	1.25
10	MP2B	X	82.082	5.25
11	MP2B	Z	142.171	5.25
12	MP2B	Mx	-.156	5.25
13	MP2C	X	58.971	1.25
14	MP2C	Z	102.14	1.25
15	MP2C	Mx	.088	1.25
16	MP2C	X	58.971	5.25
17	MP2C	Z	102.14	5.25
18	MP2C	Mx	.088	5.25
19	MP2A	X	82.082	1.25
20	MP2A	Z	142.171	1.25
21	MP2A	Mx	-.156	1.25
22	MP2A	X	82.082	5.25
23	MP2A	Z	142.171	5.25
24	MP2A	Mx	-.156	5.25
25	MP2B	X	82.082	1.25
26	MP2B	Z	142.171	1.25
27	MP2B	Mx	.033	1.25
28	MP2B	X	82.082	5.25
29	MP2B	Z	142.171	5.25
30	MP2B	Mx	.033	5.25
31	MP2C	X	58.971	1.25
32	MP2C	Z	102.14	1.25
33	MP2C	Mx	.088	1.25
34	MP2C	X	58.971	5.25
35	MP2C	Z	102.14	5.25
36	MP2C	Mx	.088	5.25
37	MP3A	X	39.275	2.41
38	MP3A	Z	68.027	2.41
39	MP3A	Mx	-.029	2.41
40	MP3A	X	39.275	3.41
41	MP3A	Z	68.027	3.41
42	MP3A	Mx	-.029	3.41
43	MP3B	X	39.275	2.41
44	MP3B	Z	68.027	2.41
45	MP3B	Mx	-.029	2.41
46	MP3B	X	39.275	3.41
47	MP3B	Z	68.027	3.41
48	MP3B	Mx	-.029	3.41
49	MP3C	X	18.135	2.41
50	MP3C	Z	31.411	2.41
51	MP3C	Mx	.027	2.41
52	MP3C	X	18.135	3.41
53	MP3C	Z	31.411	3.41
54	MP3C	Mx	.027	3.41
55	MP2A	X	6.732	2.5
56	MP2A	Z	11.659	2.5
57	MP2A	Mx	.003	2.5
58	MP2B	X	6.732	2.5
59	MP2B	Z	11.659	2.5
60	MP2B	Mx	.003	2.5
61	MP2C	X	5.046	2.5
62	MP2C	Z	8.74	2.5
63	MP2C	Mx	-.005	2.5
64	MP3A	X	33.805	4
65	MP3A	Z	58.553	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	.017	4
67	MP3B	X	33.805	4
68	MP3B	Z	58.553	4
69	MP3B	Mx	.017	4
70	MP3C	X	24.64	4
71	MP3C	Z	42.677	4
72	MP3C	Mx	-.025	4
73	MP2A	X	32.635	4
74	MP2A	Z	56.526	4
75	MP2A	Mx	.016	4
76	MP2B	X	32.635	4
77	MP2B	Z	56.526	4
78	MP2B	Mx	.016	4
79	MP2C	X	19.958	4
80	MP2C	Z	34.568	4
81	MP2C	Mx	-.02	4
82	MP1A	X	83.356	.67
83	MP1A	Z	144.377	.67
84	MP1A	Mx	-.063	.67
85	MP1A	X	83.356	5.67
86	MP1A	Z	144.377	5.67
87	MP1A	Mx	-.063	5.67
88	MP1B	X	83.356	.67
89	MP1B	Z	144.377	.67
90	MP1B	Mx	-.063	.67
91	MP1B	X	83.356	5.67
92	MP1B	Z	144.377	5.67
93	MP1B	Mx	-.063	5.67
94	MP1C	X	60.516	.67
95	MP1C	Z	104.817	.67
96	MP1C	Mx	.091	.67
97	MP1C	X	60.516	5.67
98	MP1C	Z	104.817	5.67
99	MP1C	Mx	.091	5.67
100	OVP	X	65.718	1
101	OVP	Z	113.827	1
102	OVP	Mx	.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	179.573	1.25
3	MP2A	Mx	.12	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	179.573	5.25
6	MP2A	Mx	.12	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	133.349	1.25
9	MP2B	Mx	-.131	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	133.349	5.25
12	MP2B	Mx	-.131	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	133.349	1.25
15	MP2C	Mx	.042	1.25
16	MP2C	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	133.349	5.25
18	MP2C	Mx	.042	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	179.573	1.25
21	MP2A	Mx	-.12	1.25
22	MP2A	X	0	5.25
23	MP2A	Z	179.573	5.25
24	MP2A	Mx	-.12	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	133.349	1.25
27	MP2B	Mx	-.042	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	133.349	5.25
30	MP2B	Mx	-.042	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	133.349	1.25
33	MP2C	Mx	.131	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	133.349	5.25
36	MP2C	Mx	.131	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	92.645	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41
41	MP3A	Z	92.645	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	50.364	2.41
45	MP3B	Mx	-.033	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	50.364	3.41
48	MP3B	Mx	-.033	3.41
49	MP3C	X	0	2.41
50	MP3C	Z	50.364	2.41
51	MP3C	Mx	.033	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	50.364	3.41
54	MP3C	Mx	.033	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	14.587	2.5
57	MP2A	Mx	0	2.5
58	MP2B	X	0	2.5
59	MP2B	Z	11.216	2.5
60	MP2B	Mx	.005	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	11.216	2.5
63	MP2C	Mx	-.005	2.5
64	MP3A	X	0	4
65	MP3A	Z	73.721	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	55.39	4
69	MP3B	Mx	.024	4
70	MP3C	X	0	4
71	MP3C	Z	55.39	4
72	MP3C	Mx	-.024	4
73	MP2A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	73.721	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	48.367	4
78	MP2B	Mx	.021	4
79	MP2C	X	0	4
80	MP2C	Z	48.367	4
81	MP2C	Mx	-.021	4
82	MP1A	X	0	.67
83	MP1A	Z	181.938	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	181.938	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	136.259	.67
90	MP1B	Mx	-.089	.67
91	MP1B	X	0	5.67
92	MP1B	Z	136.259	5.67
93	MP1B	Mx	-.089	5.67
94	MP1C	X	0	.67
95	MP1C	Z	136.259	.67
96	MP1C	Mx	.089	.67
97	MP1C	X	0	5.67
98	MP1C	Z	136.259	5.67
99	MP1C	Mx	.089	5.67
100	OVP	X	0	1
101	OVP	Z	146.26	1
102	OVP	Mx	.073	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-82.082	1.25
2	MP2A	Z	142.171	1.25
3	MP2A	Mx	.156	1.25
4	MP2A	X	-82.082	5.25
5	MP2A	Z	142.171	5.25
6	MP2A	Mx	.156	5.25
7	MP2B	X	-58.971	1.25
8	MP2B	Z	102.14	1.25
9	MP2B	Mx	-.088	1.25
10	MP2B	X	-58.971	5.25
11	MP2B	Z	102.14	5.25
12	MP2B	Mx	-.088	5.25
13	MP2C	X	-82.082	1.25
14	MP2C	Z	142.171	1.25
15	MP2C	Mx	-.033	1.25
16	MP2C	X	-82.082	5.25
17	MP2C	Z	142.171	5.25
18	MP2C	Mx	-.033	5.25
19	MP2A	X	-82.082	1.25
20	MP2A	Z	142.171	1.25
21	MP2A	Mx	-.033	1.25
22	MP2A	X	-82.082	5.25
23	MP2A	Z	142.171	5.25
24	MP2A	Mx	-.033	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-58.971	1.25
26	MP2B	Z	102.14	1.25
27	MP2B	Mx	-.088	1.25
28	MP2B	X	-58.971	5.25
29	MP2B	Z	102.14	5.25
30	MP2B	Mx	-.088	5.25
31	MP2C	X	-82.082	1.25
32	MP2C	Z	142.171	1.25
33	MP2C	Mx	.156	1.25
34	MP2C	X	-82.082	5.25
35	MP2C	Z	142.171	5.25
36	MP2C	Mx	.156	5.25
37	MP3A	X	-39.275	2.41
38	MP3A	Z	68.027	2.41
39	MP3A	Mx	.029	2.41
40	MP3A	X	-39.275	3.41
41	MP3A	Z	68.027	3.41
42	MP3A	Mx	.029	3.41
43	MP3B	X	-18.135	2.41
44	MP3B	Z	31.411	2.41
45	MP3B	Mx	-.027	2.41
46	MP3B	X	-18.135	3.41
47	MP3B	Z	31.411	3.41
48	MP3B	Mx	-.027	3.41
49	MP3C	X	-39.275	2.41
50	MP3C	Z	68.027	2.41
51	MP3C	Mx	.029	2.41
52	MP3C	X	-39.275	3.41
53	MP3C	Z	68.027	3.41
54	MP3C	Mx	.029	3.41
55	MP2A	X	-6.732	2.5
56	MP2A	Z	11.659	2.5
57	MP2A	Mx	-.003	2.5
58	MP2B	X	-5.046	2.5
59	MP2B	Z	8.74	2.5
60	MP2B	Mx	.005	2.5
61	MP2C	X	-6.732	2.5
62	MP2C	Z	11.659	2.5
63	MP2C	Mx	-.003	2.5
64	MP3A	X	-33.805	4
65	MP3A	Z	58.553	4
66	MP3A	Mx	-.017	4
67	MP3B	X	-24.64	4
68	MP3B	Z	42.677	4
69	MP3B	Mx	.025	4
70	MP3C	X	-33.805	4
71	MP3C	Z	58.553	4
72	MP3C	Mx	-.017	4
73	MP2A	X	-32.635	4
74	MP2A	Z	56.526	4
75	MP2A	Mx	-.016	4
76	MP2B	X	-19.958	4
77	MP2B	Z	34.568	4
78	MP2B	Mx	.02	4
79	MP2C	X	-32.635	4
80	MP2C	Z	56.526	4
81	MP2C	Mx	-.016	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-83.356	.67
83	MP1A	Z	144.377	.67
84	MP1A	Mx	.063	.67
85	MP1A	X	-83.356	5.67
86	MP1A	Z	144.377	5.67
87	MP1A	Mx	.063	5.67
88	MP1B	X	-60.516	.67
89	MP1B	Z	104.817	.67
90	MP1B	Mx	-.091	.67
91	MP1B	X	-60.516	5.67
92	MP1B	Z	104.817	5.67
93	MP1B	Mx	-.091	5.67
94	MP1C	X	-83.356	.67
95	MP1C	Z	144.377	.67
96	MP1C	Mx	.063	.67
97	MP1C	X	-83.356	5.67
98	MP1C	Z	144.377	5.67
99	MP1C	Mx	.063	5.67
100	OVP	X	-65.718	1
101	OVP	Z	113.827	1
102	OVP	Mx	.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-115.484	1.25
2	MP2A	Z	66.674	1.25
3	MP2A	Mx	.131	1.25
4	MP2A	X	-115.484	5.25
5	MP2A	Z	66.674	5.25
6	MP2A	Mx	.131	5.25
7	MP2B	X	-115.484	1.25
8	MP2B	Z	66.674	1.25
9	MP2B	Mx	-.042	1.25
10	MP2B	X	-115.484	5.25
11	MP2B	Z	66.674	5.25
12	MP2B	Mx	-.042	5.25
13	MP2C	X	-155.515	1.25
14	MP2C	Z	89.786	1.25
15	MP2C	Mx	-.12	1.25
16	MP2C	X	-155.515	5.25
17	MP2C	Z	89.786	5.25
18	MP2C	Mx	-.12	5.25
19	MP2A	X	-115.484	1.25
20	MP2A	Z	66.674	1.25
21	MP2A	Mx	.042	1.25
22	MP2A	X	-115.484	5.25
23	MP2A	Z	66.674	5.25
24	MP2A	Mx	.042	5.25
25	MP2B	X	-115.484	1.25
26	MP2B	Z	66.674	1.25
27	MP2B	Mx	-.131	1.25
28	MP2B	X	-115.484	5.25
29	MP2B	Z	66.674	5.25
30	MP2B	Mx	-.131	5.25
31	MP2C	X	-155.515	1.25
32	MP2C	Z	89.786	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.12	1.25
34	MP2C	X	-155.515	5.25
35	MP2C	Z	89.786	5.25
36	MP2C	Mx	.12	5.25
37	MP3A	X	-43.616	2.41
38	MP3A	Z	25.182	2.41
39	MP3A	Mx	.033	2.41
40	MP3A	X	-43.616	3.41
41	MP3A	Z	25.182	3.41
42	MP3A	Mx	.033	3.41
43	MP3B	X	-43.616	2.41
44	MP3B	Z	25.182	2.41
45	MP3B	Mx	-.033	2.41
46	MP3B	X	-43.616	3.41
47	MP3B	Z	25.182	3.41
48	MP3B	Mx	-.033	3.41
49	MP3C	X	-80.233	2.41
50	MP3C	Z	46.322	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	-80.233	3.41
53	MP3C	Z	46.322	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	-9.713	2.5
56	MP2A	Z	5.608	2.5
57	MP2A	Mx	-.005	2.5
58	MP2B	X	-9.713	2.5
59	MP2B	Z	5.608	2.5
60	MP2B	Mx	.005	2.5
61	MP2C	X	-12.632	2.5
62	MP2C	Z	7.293	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	-47.969	4
65	MP3A	Z	27.695	4
66	MP3A	Mx	-.024	4
67	MP3B	X	-47.969	4
68	MP3B	Z	27.695	4
69	MP3B	Mx	.024	4
70	MP3C	X	-63.845	4
71	MP3C	Z	36.861	4
72	MP3C	Mx	0	4
73	MP2A	X	-41.887	4
74	MP2A	Z	24.184	4
75	MP2A	Mx	-.021	4
76	MP2B	X	-41.887	4
77	MP2B	Z	24.184	4
78	MP2B	Mx	.021	4
79	MP2C	X	-63.845	4
80	MP2C	Z	36.861	4
81	MP2C	Mx	0	4
82	MP1A	X	-118.004	.67
83	MP1A	Z	68.129	.67
84	MP1A	Mx	.089	.67
85	MP1A	X	-118.004	5.67
86	MP1A	Z	68.129	5.67
87	MP1A	Mx	.089	5.67
88	MP1B	X	-118.004	.67
89	MP1B	Z	68.129	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	-.089	.67
91	MP1B	X	-118.004	5.67
92	MP1B	Z	68.129	5.67
93	MP1B	Mx	-.089	5.67
94	MP1C	X	-157.563	.67
95	MP1C	Z	90.969	.67
96	MP1C	Mx	0	.67
97	MP1C	X	-157.563	5.67
98	MP1C	Z	90.969	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	-88.151	1
101	OVP	Z	50.894	1
102	OVP	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-117.941	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	.088	1.25
4	MP2A	X	-117.941	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	.088	5.25
7	MP2B	X	-164.165	1.25
8	MP2B	Z	0	1.25
9	MP2B	Mx	.033	1.25
10	MP2B	X	-164.165	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	.033	5.25
13	MP2C	X	-164.165	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	-.156	1.25
16	MP2C	X	-164.165	5.25
17	MP2C	Z	0	5.25
18	MP2C	Mx	-.156	5.25
19	MP2A	X	-117.941	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.088	1.25
22	MP2A	X	-117.941	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	.088	5.25
25	MP2B	X	-164.165	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.156	1.25
28	MP2B	X	-164.165	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	-.156	5.25
31	MP2C	X	-164.165	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.033	1.25
34	MP2C	X	-164.165	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	.033	5.25
37	MP3A	X	-36.27	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	.027	2.41
40	MP3A	X	-36.27	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	3.41
42	MP3A	Mx	.027	3.41
43	MP3B	X	-78.551	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	-.029	2.41
46	MP3B	X	-78.551	3.41
47	MP3B	Z	0	3.41
48	MP3B	Mx	-.029	3.41
49	MP3C	X	-78.551	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	-.029	2.41
52	MP3C	X	-78.551	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	-.029	3.41
55	MP2A	X	-10.092	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.005	2.5
58	MP2B	X	-13.463	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	.003	2.5
61	MP2C	X	-13.463	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	.003	2.5
64	MP3A	X	-49.279	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.025	4
67	MP3B	X	-67.611	4
68	MP3B	Z	0	4
69	MP3B	Mx	.017	4
70	MP3C	X	-67.611	4
71	MP3C	Z	0	4
72	MP3C	Mx	.017	4
73	MP2A	X	-39.916	4
74	MP2A	Z	0	4
75	MP2A	Mx	-.02	4
76	MP2B	X	-65.27	4
77	MP2B	Z	0	4
78	MP2B	Mx	.016	4
79	MP2C	X	-65.27	4
80	MP2C	Z	0	4
81	MP2C	Mx	.016	4
82	MP1A	X	-121.032	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	.091	.67
85	MP1A	X	-121.032	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	.091	5.67
88	MP1B	X	-166.712	.67
89	MP1B	Z	0	.67
90	MP1B	Mx	-.063	.67
91	MP1B	X	-166.712	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	-.063	5.67
94	MP1C	X	-166.712	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	-.063	.67
97	MP1C	X	-166.712	5.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1C	Z	0	5.67
99	MP1C	Mx	-.063	5.67
100	OVP	X	-86.964	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-115.484	1.25
2	MP2A	Z	-66.674	1.25
3	MP2A	Mx	.042	1.25
4	MP2A	X	-115.484	5.25
5	MP2A	Z	-66.674	5.25
6	MP2A	Mx	.042	5.25
7	MP2B	X	-155.515	1.25
8	MP2B	Z	-89.786	1.25
9	MP2B	Mx	.12	1.25
10	MP2B	X	-155.515	5.25
11	MP2B	Z	-89.786	5.25
12	MP2B	Mx	.12	5.25
13	MP2C	X	-115.484	1.25
14	MP2C	Z	-66.674	1.25
15	MP2C	Mx	-.131	1.25
16	MP2C	X	-115.484	5.25
17	MP2C	Z	-66.674	5.25
18	MP2C	Mx	-.131	5.25
19	MP2A	X	-115.484	1.25
20	MP2A	Z	-66.674	1.25
21	MP2A	Mx	.131	1.25
22	MP2A	X	-115.484	5.25
23	MP2A	Z	-66.674	5.25
24	MP2A	Mx	.131	5.25
25	MP2B	X	-155.515	1.25
26	MP2B	Z	-89.786	1.25
27	MP2B	Mx	-.12	1.25
28	MP2B	X	-155.515	5.25
29	MP2B	Z	-89.786	5.25
30	MP2B	Mx	-.12	5.25
31	MP2C	X	-115.484	1.25
32	MP2C	Z	-66.674	1.25
33	MP2C	Mx	-.042	1.25
34	MP2C	X	-115.484	5.25
35	MP2C	Z	-66.674	5.25
36	MP2C	Mx	-.042	5.25
37	MP3A	X	-43.616	2.41
38	MP3A	Z	-25.182	2.41
39	MP3A	Mx	.033	2.41
40	MP3A	X	-43.616	3.41
41	MP3A	Z	-25.182	3.41
42	MP3A	Mx	.033	3.41
43	MP3B	X	-80.233	2.41
44	MP3B	Z	-46.322	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	-80.233	3.41
47	MP3B	Z	-46.322	3.41
48	MP3B	Mx	0	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	-43.616	2.41
50	MP3C	Z	-25.182	2.41
51	MP3C	Mx	-.033	2.41
52	MP3C	X	-43.616	3.41
53	MP3C	Z	-25.182	3.41
54	MP3C	Mx	-.033	3.41
55	MP2A	X	-9.713	2.5
56	MP2A	Z	-5.608	2.5
57	MP2A	Mx	-.005	2.5
58	MP2B	X	-12.632	2.5
59	MP2B	Z	-7.293	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	-9.713	2.5
62	MP2C	Z	-5.608	2.5
63	MP2C	Mx	.005	2.5
64	MP3A	X	-47.969	4
65	MP3A	Z	-27.695	4
66	MP3A	Mx	-.024	4
67	MP3B	X	-63.845	4
68	MP3B	Z	-36.861	4
69	MP3B	Mx	0	4
70	MP3C	X	-47.969	4
71	MP3C	Z	-27.695	4
72	MP3C	Mx	.024	4
73	MP2A	X	-41.887	4
74	MP2A	Z	-24.184	4
75	MP2A	Mx	-.021	4
76	MP2B	X	-63.845	4
77	MP2B	Z	-36.861	4
78	MP2B	Mx	0	4
79	MP2C	X	-41.887	4
80	MP2C	Z	-24.184	4
81	MP2C	Mx	.021	4
82	MP1A	X	-118.004	.67
83	MP1A	Z	-68.129	.67
84	MP1A	Mx	.089	.67
85	MP1A	X	-118.004	5.67
86	MP1A	Z	-68.129	5.67
87	MP1A	Mx	.089	5.67
88	MP1B	X	-157.563	.67
89	MP1B	Z	-90.969	.67
90	MP1B	Mx	0	.67
91	MP1B	X	-157.563	5.67
92	MP1B	Z	-90.969	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	-118.004	.67
95	MP1C	Z	-68.129	.67
96	MP1C	Mx	-.089	.67
97	MP1C	X	-118.004	5.67
98	MP1C	Z	-68.129	5.67
99	MP1C	Mx	-.089	5.67
100	OVP	X	-88.151	1
101	OVP	Z	-50.894	1
102	OVP	Mx	-.025	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-82.082	1.25
2	MP2A	Z	-142.171	1.25
3	MP2A	Mx	-.033	1.25
4	MP2A	X	-82.082	5.25
5	MP2A	Z	-142.171	5.25
6	MP2A	Mx	-.033	5.25
7	MP2B	X	-82.082	1.25
8	MP2B	Z	-142.171	1.25
9	MP2B	Mx	.156	1.25
10	MP2B	X	-82.082	5.25
11	MP2B	Z	-142.171	5.25
12	MP2B	Mx	.156	5.25
13	MP2C	X	-58.971	1.25
14	MP2C	Z	-102.14	1.25
15	MP2C	Mx	-.088	1.25
16	MP2C	X	-58.971	5.25
17	MP2C	Z	-102.14	5.25
18	MP2C	Mx	-.088	5.25
19	MP2A	X	-82.082	1.25
20	MP2A	Z	-142.171	1.25
21	MP2A	Mx	.156	1.25
22	MP2A	X	-82.082	5.25
23	MP2A	Z	-142.171	5.25
24	MP2A	Mx	.156	5.25
25	MP2B	X	-82.082	1.25
26	MP2B	Z	-142.171	1.25
27	MP2B	Mx	-.033	1.25
28	MP2B	X	-82.082	5.25
29	MP2B	Z	-142.171	5.25
30	MP2B	Mx	-.033	5.25
31	MP2C	X	-58.971	1.25
32	MP2C	Z	-102.14	1.25
33	MP2C	Mx	-.088	1.25
34	MP2C	X	-58.971	5.25
35	MP2C	Z	-102.14	5.25
36	MP2C	Mx	-.088	5.25
37	MP3A	X	-39.275	2.41
38	MP3A	Z	-68.027	2.41
39	MP3A	Mx	.029	2.41
40	MP3A	X	-39.275	3.41
41	MP3A	Z	-68.027	3.41
42	MP3A	Mx	.029	3.41
43	MP3B	X	-39.275	2.41
44	MP3B	Z	-68.027	2.41
45	MP3B	Mx	.029	2.41
46	MP3B	X	-39.275	3.41
47	MP3B	Z	-68.027	3.41
48	MP3B	Mx	.029	3.41
49	MP3C	X	-18.135	2.41
50	MP3C	Z	-31.411	2.41
51	MP3C	Mx	-.027	2.41
52	MP3C	X	-18.135	3.41
53	MP3C	Z	-31.411	3.41
54	MP3C	Mx	-.027	3.41
55	MP2A	X	-6.732	2.5
56	MP2A	Z	-11.659	2.5
57	MP2A	Mx	-.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-6.732	2.5
59	MP2B	Z	-11.659	2.5
60	MP2B	Mx	-.003	2.5
61	MP2C	X	-5.046	2.5
62	MP2C	Z	-8.74	2.5
63	MP2C	Mx	.005	2.5
64	MP3A	X	-33.805	4
65	MP3A	Z	-58.553	4
66	MP3A	Mx	-.017	4
67	MP3B	X	-33.805	4
68	MP3B	Z	-58.553	4
69	MP3B	Mx	-.017	4
70	MP3C	X	-24.64	4
71	MP3C	Z	-42.677	4
72	MP3C	Mx	.025	4
73	MP2A	X	-32.635	4
74	MP2A	Z	-56.526	4
75	MP2A	Mx	-.016	4
76	MP2B	X	-32.635	4
77	MP2B	Z	-56.526	4
78	MP2B	Mx	-.016	4
79	MP2C	X	-19.958	4
80	MP2C	Z	-34.568	4
81	MP2C	Mx	.02	4
82	MP1A	X	-83.356	.67
83	MP1A	Z	-144.377	.67
84	MP1A	Mx	.063	.67
85	MP1A	X	-83.356	5.67
86	MP1A	Z	-144.377	5.67
87	MP1A	Mx	.063	5.67
88	MP1B	X	-83.356	.67
89	MP1B	Z	-144.377	.67
90	MP1B	Mx	.063	.67
91	MP1B	X	-83.356	5.67
92	MP1B	Z	-144.377	5.67
93	MP1B	Mx	.063	5.67
94	MP1C	X	-60.516	.67
95	MP1C	Z	-104.817	.67
96	MP1C	Mx	-.091	.67
97	MP1C	X	-60.516	5.67
98	MP1C	Z	-104.817	5.67
99	MP1C	Mx	-.091	5.67
100	OVP	X	-65.718	1
101	OVP	Z	-113.827	1
102	OVP	Mx	-.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	-34.082	1.25
3	MP2A	Mx	-.023	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	-34.082	5.25
6	MP2A	Mx	-.023	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	-25.94	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.025	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	-25.94	5.25
12	MP2B	Mx	.025	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	-25.94	1.25
15	MP2C	Mx	-.008	1.25
16	MP2C	X	0	5.25
17	MP2C	Z	-25.94	5.25
18	MP2C	Mx	-.008	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	-34.082	1.25
21	MP2A	Mx	.023	1.25
22	MP2A	X	0	5.25
23	MP2A	Z	-34.082	5.25
24	MP2A	Mx	.023	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	-25.94	1.25
27	MP2B	Mx	.008	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	-25.94	5.25
30	MP2B	Mx	.008	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	-25.94	1.25
33	MP2C	Mx	-.025	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	-25.94	5.25
36	MP2C	Mx	-.025	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	-18.114	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41
41	MP3A	Z	-18.114	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	-10.302	2.41
45	MP3B	Mx	.007	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	-10.302	3.41
48	MP3B	Mx	.007	3.41
49	MP3C	X	0	2.41
50	MP3C	Z	-10.302	2.41
51	MP3C	Mx	-.007	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	-10.302	3.41
54	MP3C	Mx	-.007	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	-3.681	2.5
57	MP2A	Mx	0	2.5
58	MP2B	X	0	2.5
59	MP2B	Z	-2.989	2.5
60	MP2B	Mx	-.001	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	-2.989	2.5
63	MP2C	Mx	.001	2.5
64	MP3A	X	0	4
65	MP3A	Z	-15.244	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-11.756	4
69	MP3B	Mx	-.005	4
70	MP3C	X	0	4
71	MP3C	Z	-11.756	4
72	MP3C	Mx	.005	4
73	MP2A	X	0	4
74	MP2A	Z	-15.244	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	-10.43	4
78	MP2B	Mx	-.005	4
79	MP2C	X	0	4
80	MP2C	Z	-10.43	4
81	MP2C	Mx	.005	4
82	MP1A	X	0	.67
83	MP1A	Z	-34.672	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	-34.672	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	-26.613	.67
90	MP1B	Mx	.017	.67
91	MP1B	X	0	5.67
92	MP1B	Z	-26.613	5.67
93	MP1B	Mx	.017	5.67
94	MP1C	X	0	.67
95	MP1C	Z	-26.613	.67
96	MP1C	Mx	-.017	.67
97	MP1C	X	0	5.67
98	MP1C	Z	-26.613	5.67
99	MP1C	Mx	-.017	5.67
100	OVP	X	0	1
101	OVP	Z	-28.742	1
102	OVP	Mx	-.014	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.684	1.25
2	MP2A	Z	-27.165	1.25
3	MP2A	Mx	-.03	1.25
4	MP2A	X	15.684	5.25
5	MP2A	Z	-27.165	5.25
6	MP2A	Mx	-.03	5.25
7	MP2B	X	11.613	1.25
8	MP2B	Z	-20.115	1.25
9	MP2B	Mx	.017	1.25
10	MP2B	X	11.613	5.25
11	MP2B	Z	-20.115	5.25
12	MP2B	Mx	.017	5.25
13	MP2C	X	15.684	1.25
14	MP2C	Z	-27.165	1.25
15	MP2C	Mx	.006	1.25
16	MP2C	X	15.684	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-27.165	5.25
18	MP2C	Mx	.006	5.25
19	MP2A	X	15.684	1.25
20	MP2A	Z	-27.165	1.25
21	MP2A	Mx	.006	1.25
22	MP2A	X	15.684	5.25
23	MP2A	Z	-27.165	5.25
24	MP2A	Mx	.006	5.25
25	MP2B	X	11.613	1.25
26	MP2B	Z	-20.115	1.25
27	MP2B	Mx	.017	1.25
28	MP2B	X	11.613	5.25
29	MP2B	Z	-20.115	5.25
30	MP2B	Mx	.017	5.25
31	MP2C	X	15.684	1.25
32	MP2C	Z	-27.165	1.25
33	MP2C	Mx	-.03	1.25
34	MP2C	X	15.684	5.25
35	MP2C	Z	-27.165	5.25
36	MP2C	Mx	-.03	5.25
37	MP3A	X	7.755	2.41
38	MP3A	Z	-13.432	2.41
39	MP3A	Mx	-.006	2.41
40	MP3A	X	7.755	3.41
41	MP3A	Z	-13.432	3.41
42	MP3A	Mx	-.006	3.41
43	MP3B	X	3.849	2.41
44	MP3B	Z	-6.667	2.41
45	MP3B	Mx	.006	2.41
46	MP3B	X	3.849	3.41
47	MP3B	Z	-6.667	3.41
48	MP3B	Mx	.006	3.41
49	MP3C	X	7.755	2.41
50	MP3C	Z	-13.432	2.41
51	MP3C	Mx	-.006	2.41
52	MP3C	X	7.755	3.41
53	MP3C	Z	-13.432	3.41
54	MP3C	Mx	-.006	3.41
55	MP2A	X	1.725	2.5
56	MP2A	Z	-2.988	2.5
57	MP2A	Mx	.000863	2.5
58	MP2B	X	1.379	2.5
59	MP2B	Z	-2.388	2.5
60	MP2B	Mx	-.001	2.5
61	MP2C	X	1.725	2.5
62	MP2C	Z	-2.988	2.5
63	MP2C	Mx	.000863	2.5
64	MP3A	X	7.041	4
65	MP3A	Z	-12.195	4
66	MP3A	Mx	.004	4
67	MP3B	X	5.296	4
68	MP3B	Z	-9.174	4
69	MP3B	Mx	-.005	4
70	MP3C	X	7.041	4
71	MP3C	Z	-12.195	4
72	MP3C	Mx	.004	4
73	MP2A	X	6.82	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-11.812	4
75	MP2A	Mx	.003	4
76	MP2B	X	4.413	4
77	MP2B	Z	-7.643	4
78	MP2B	Mx	-.004	4
79	MP2C	X	6.82	4
80	MP2C	Z	-11.812	4
81	MP2C	Mx	.003	4
82	MP1A	X	15.993	.67
83	MP1A	Z	-27.701	.67
84	MP1A	Mx	-.012	.67
85	MP1A	X	15.993	5.67
86	MP1A	Z	-27.701	5.67
87	MP1A	Mx	-.012	5.67
88	MP1B	X	11.963	.67
89	MP1B	Z	-20.721	.67
90	MP1B	Mx	.018	.67
91	MP1B	X	11.963	5.67
92	MP1B	Z	-20.721	5.67
93	MP1B	Mx	.018	5.67
94	MP1C	X	15.993	.67
95	MP1C	Z	-27.701	.67
96	MP1C	Mx	-.012	.67
97	MP1C	X	15.993	5.67
98	MP1C	Z	-27.701	5.67
99	MP1C	Mx	-.012	5.67
100	OVP	X	13.023	1
101	OVP	Z	-22.557	1
102	OVP	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.465	1.25
2	MP2A	Z	-12.97	1.25
3	MP2A	Mx	-.025	1.25
4	MP2A	X	22.465	5.25
5	MP2A	Z	-12.97	5.25
6	MP2A	Mx	-.025	5.25
7	MP2B	X	22.465	1.25
8	MP2B	Z	-12.97	1.25
9	MP2B	Mx	.008	1.25
10	MP2B	X	22.465	5.25
11	MP2B	Z	-12.97	5.25
12	MP2B	Mx	.008	5.25
13	MP2C	X	29.516	1.25
14	MP2C	Z	-17.041	1.25
15	MP2C	Mx	.023	1.25
16	MP2C	X	29.516	5.25
17	MP2C	Z	-17.041	5.25
18	MP2C	Mx	.023	5.25
19	MP2A	X	22.465	1.25
20	MP2A	Z	-12.97	1.25
21	MP2A	Mx	-.008	1.25
22	MP2A	X	22.465	5.25
23	MP2A	Z	-12.97	5.25
24	MP2A	Mx	-.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	22.465	1.25
26	MP2B	Z	-12.97	1.25
27	MP2B	Mx	.025	1.25
28	MP2B	X	22.465	5.25
29	MP2B	Z	-12.97	5.25
30	MP2B	Mx	.025	5.25
31	MP2C	X	29.516	1.25
32	MP2C	Z	-17.041	1.25
33	MP2C	Mx	-.023	1.25
34	MP2C	X	29.516	5.25
35	MP2C	Z	-17.041	5.25
36	MP2C	Mx	-.023	5.25
37	MP3A	X	8.922	2.41
38	MP3A	Z	-5.151	2.41
39	MP3A	Mx	-.007	2.41
40	MP3A	X	8.922	3.41
41	MP3A	Z	-5.151	3.41
42	MP3A	Mx	-.007	3.41
43	MP3B	X	8.922	2.41
44	MP3B	Z	-5.151	2.41
45	MP3B	Mx	.007	2.41
46	MP3B	X	8.922	3.41
47	MP3B	Z	-5.151	3.41
48	MP3B	Mx	.007	3.41
49	MP3C	X	15.687	2.41
50	MP3C	Z	-9.057	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	15.687	3.41
53	MP3C	Z	-9.057	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	2.588	2.5
56	MP2A	Z	-1.494	2.5
57	MP2A	Mx	.001	2.5
58	MP2B	X	2.588	2.5
59	MP2B	Z	-1.494	2.5
60	MP2B	Mx	-.001	2.5
61	MP2C	X	3.188	2.5
62	MP2C	Z	-1.841	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	10.181	4
65	MP3A	Z	-5.878	4
66	MP3A	Mx	.005	4
67	MP3B	X	10.181	4
68	MP3B	Z	-5.878	4
69	MP3B	Mx	-.005	4
70	MP3C	X	13.202	4
71	MP3C	Z	-7.622	4
72	MP3C	Mx	0	4
73	MP2A	X	9.033	4
74	MP2A	Z	-5.215	4
75	MP2A	Mx	.005	4
76	MP2B	X	9.033	4
77	MP2B	Z	-5.215	4
78	MP2B	Mx	-.005	4
79	MP2C	X	13.202	4
80	MP2C	Z	-7.622	4
81	MP2C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	23.048	.67
83	MP1A	Z	-13.307	.67
84	MP1A	Mx	-.017	.67
85	MP1A	X	23.048	5.67
86	MP1A	Z	-13.307	5.67
87	MP1A	Mx	-.017	5.67
88	MP1B	X	23.048	.67
89	MP1B	Z	-13.307	.67
90	MP1B	Mx	.017	.67
91	MP1B	X	23.048	5.67
92	MP1B	Z	-13.307	5.67
93	MP1B	Mx	.017	5.67
94	MP1C	X	30.027	.67
95	MP1C	Z	-17.336	.67
96	MP1C	Mx	0	.67
97	MP1C	X	30.027	5.67
98	MP1C	Z	-17.336	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	17.887	1
101	OVP	Z	-10.327	1
102	OVP	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.227	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	-.017	1.25
4	MP2A	X	23.227	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	-.017	5.25
7	MP2B	X	31.368	1.25
8	MP2B	Z	0	1.25
9	MP2B	Mx	-.006	1.25
10	MP2B	X	31.368	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	-.006	5.25
13	MP2C	X	31.368	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	.03	1.25
16	MP2C	X	31.368	5.25
17	MP2C	Z	0	5.25
18	MP2C	Mx	.03	5.25
19	MP2A	X	23.227	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.017	1.25
22	MP2A	X	23.227	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	-.017	5.25
25	MP2B	X	31.368	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.03	1.25
28	MP2B	X	31.368	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	.03	5.25
31	MP2C	X	31.368	1.25
32	MP2C	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.006	1.25
34	MP2C	X	31.368	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	-.006	5.25
37	MP3A	X	7.699	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	-.006	2.41
40	MP3A	X	7.699	3.41
41	MP3A	Z	0	3.41
42	MP3A	Mx	-.006	3.41
43	MP3B	X	15.51	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	.006	2.41
46	MP3B	X	15.51	3.41
47	MP3B	Z	0	3.41
48	MP3B	Mx	.006	3.41
49	MP3C	X	15.51	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	.006	2.41
52	MP3C	X	15.51	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	.006	3.41
55	MP2A	X	2.758	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.001	2.5
58	MP2B	X	3.45	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	-.000863	2.5
61	MP2C	X	3.45	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	-.000863	2.5
64	MP3A	X	10.593	4
65	MP3A	Z	0	4
66	MP3A	Mx	.005	4
67	MP3B	X	14.082	4
68	MP3B	Z	0	4
69	MP3B	Mx	-.004	4
70	MP3C	X	14.082	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.004	4
73	MP2A	X	8.825	4
74	MP2A	Z	0	4
75	MP2A	Mx	.004	4
76	MP2B	X	13.64	4
77	MP2B	Z	0	4
78	MP2B	Mx	-.003	4
79	MP2C	X	13.64	4
80	MP2C	Z	0	4
81	MP2C	Mx	-.003	4
82	MP1A	X	23.927	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	-.018	.67
85	MP1A	X	23.927	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	-.018	5.67
88	MP1B	X	31.986	.67
89	MP1B	Z	0	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	.012	.67
91	MP1B	X	31.986	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	.012	5.67
94	MP1C	X	31.986	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	.012	.67
97	MP1C	X	31.986	5.67
98	MP1C	Z	0	5.67
99	MP1C	Mx	.012	5.67
100	OVP	X	17.958	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.465	1.25
2	MP2A	Z	12.97	1.25
3	MP2A	Mx	-.008	1.25
4	MP2A	X	22.465	5.25
5	MP2A	Z	12.97	5.25
6	MP2A	Mx	-.008	5.25
7	MP2B	X	29.516	1.25
8	MP2B	Z	17.041	1.25
9	MP2B	Mx	-.023	1.25
10	MP2B	X	29.516	5.25
11	MP2B	Z	17.041	5.25
12	MP2B	Mx	-.023	5.25
13	MP2C	X	22.465	1.25
14	MP2C	Z	12.97	1.25
15	MP2C	Mx	.025	1.25
16	MP2C	X	22.465	5.25
17	MP2C	Z	12.97	5.25
18	MP2C	Mx	.025	5.25
19	MP2A	X	22.465	1.25
20	MP2A	Z	12.97	1.25
21	MP2A	Mx	-.025	1.25
22	MP2A	X	22.465	5.25
23	MP2A	Z	12.97	5.25
24	MP2A	Mx	-.025	5.25
25	MP2B	X	29.516	1.25
26	MP2B	Z	17.041	1.25
27	MP2B	Mx	.023	1.25
28	MP2B	X	29.516	5.25
29	MP2B	Z	17.041	5.25
30	MP2B	Mx	.023	5.25
31	MP2C	X	22.465	1.25
32	MP2C	Z	12.97	1.25
33	MP2C	Mx	.008	1.25
34	MP2C	X	22.465	5.25
35	MP2C	Z	12.97	5.25
36	MP2C	Mx	.008	5.25
37	MP3A	X	8.922	2.41
38	MP3A	Z	5.151	2.41
39	MP3A	Mx	-.007	2.41
40	MP3A	X	8.922	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	5.151	3.41
42	MP3A	Mx	-.007	3.41
43	MP3B	X	15.687	2.41
44	MP3B	Z	9.057	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	15.687	3.41
47	MP3B	Z	9.057	3.41
48	MP3B	Mx	0	3.41
49	MP3C	X	8.922	2.41
50	MP3C	Z	5.151	2.41
51	MP3C	Mx	.007	2.41
52	MP3C	X	8.922	3.41
53	MP3C	Z	5.151	3.41
54	MP3C	Mx	.007	3.41
55	MP2A	X	2.588	2.5
56	MP2A	Z	1.494	2.5
57	MP2A	Mx	.001	2.5
58	MP2B	X	3.188	2.5
59	MP2B	Z	1.841	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	2.588	2.5
62	MP2C	Z	1.494	2.5
63	MP2C	Mx	-.001	2.5
64	MP3A	X	10.181	4
65	MP3A	Z	5.878	4
66	MP3A	Mx	.005	4
67	MP3B	X	13.202	4
68	MP3B	Z	7.622	4
69	MP3B	Mx	0	4
70	MP3C	X	10.181	4
71	MP3C	Z	5.878	4
72	MP3C	Mx	-.005	4
73	MP2A	X	9.033	4
74	MP2A	Z	5.215	4
75	MP2A	Mx	.005	4
76	MP2B	X	13.202	4
77	MP2B	Z	7.622	4
78	MP2B	Mx	0	4
79	MP2C	X	9.033	4
80	MP2C	Z	5.215	4
81	MP2C	Mx	-.005	4
82	MP1A	X	23.048	.67
83	MP1A	Z	13.307	.67
84	MP1A	Mx	-.017	.67
85	MP1A	X	23.048	5.67
86	MP1A	Z	13.307	5.67
87	MP1A	Mx	-.017	5.67
88	MP1B	X	30.027	.67
89	MP1B	Z	17.336	.67
90	MP1B	Mx	0	.67
91	MP1B	X	30.027	5.67
92	MP1B	Z	17.336	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	23.048	.67
95	MP1C	Z	13.307	.67
96	MP1C	Mx	.017	.67
97	MP1C	X	23.048	5.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1C	Z	13.307	5.67
99	MP1C	Mx	.017	5.67
100	OVP	X	17.887	1
101	OVP	Z	10.327	1
102	OVP	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.684	1.25
2	MP2A	Z	27.165	1.25
3	MP2A	Mx	.006	1.25
4	MP2A	X	15.684	5.25
5	MP2A	Z	27.165	5.25
6	MP2A	Mx	.006	5.25
7	MP2B	X	15.684	1.25
8	MP2B	Z	27.165	1.25
9	MP2B	Mx	-.03	1.25
10	MP2B	X	15.684	5.25
11	MP2B	Z	27.165	5.25
12	MP2B	Mx	-.03	5.25
13	MP2C	X	11.613	1.25
14	MP2C	Z	20.115	1.25
15	MP2C	Mx	.017	1.25
16	MP2C	X	11.613	5.25
17	MP2C	Z	20.115	5.25
18	MP2C	Mx	.017	5.25
19	MP2A	X	15.684	1.25
20	MP2A	Z	27.165	1.25
21	MP2A	Mx	-.03	1.25
22	MP2A	X	15.684	5.25
23	MP2A	Z	27.165	5.25
24	MP2A	Mx	-.03	5.25
25	MP2B	X	15.684	1.25
26	MP2B	Z	27.165	1.25
27	MP2B	Mx	.006	1.25
28	MP2B	X	15.684	5.25
29	MP2B	Z	27.165	5.25
30	MP2B	Mx	.006	5.25
31	MP2C	X	11.613	1.25
32	MP2C	Z	20.115	1.25
33	MP2C	Mx	.017	1.25
34	MP2C	X	11.613	5.25
35	MP2C	Z	20.115	5.25
36	MP2C	Mx	.017	5.25
37	MP3A	X	7.755	2.41
38	MP3A	Z	13.432	2.41
39	MP3A	Mx	-.006	2.41
40	MP3A	X	7.755	3.41
41	MP3A	Z	13.432	3.41
42	MP3A	Mx	-.006	3.41
43	MP3B	X	7.755	2.41
44	MP3B	Z	13.432	2.41
45	MP3B	Mx	-.006	2.41
46	MP3B	X	7.755	3.41
47	MP3B	Z	13.432	3.41
48	MP3B	Mx	-.006	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	3.849	2.41
50	MP3C	Z	6.667	2.41
51	MP3C	Mx	.006	2.41
52	MP3C	X	3.849	3.41
53	MP3C	Z	6.667	3.41
54	MP3C	Mx	.006	3.41
55	MP2A	X	1.725	2.5
56	MP2A	Z	2.988	2.5
57	MP2A	Mx	.000863	2.5
58	MP2B	X	1.725	2.5
59	MP2B	Z	2.988	2.5
60	MP2B	Mx	.000863	2.5
61	MP2C	X	1.379	2.5
62	MP2C	Z	2.388	2.5
63	MP2C	Mx	-.001	2.5
64	MP3A	X	7.041	4
65	MP3A	Z	12.195	4
66	MP3A	Mx	.004	4
67	MP3B	X	7.041	4
68	MP3B	Z	12.195	4
69	MP3B	Mx	.004	4
70	MP3C	X	5.296	4
71	MP3C	Z	9.174	4
72	MP3C	Mx	-.005	4
73	MP2A	X	6.82	4
74	MP2A	Z	11.812	4
75	MP2A	Mx	.003	4
76	MP2B	X	6.82	4
77	MP2B	Z	11.812	4
78	MP2B	Mx	.003	4
79	MP2C	X	4.413	4
80	MP2C	Z	7.643	4
81	MP2C	Mx	-.004	4
82	MP1A	X	15.993	.67
83	MP1A	Z	27.701	.67
84	MP1A	Mx	-.012	.67
85	MP1A	X	15.993	5.67
86	MP1A	Z	27.701	5.67
87	MP1A	Mx	-.012	5.67
88	MP1B	X	15.993	.67
89	MP1B	Z	27.701	.67
90	MP1B	Mx	-.012	.67
91	MP1B	X	15.993	5.67
92	MP1B	Z	27.701	5.67
93	MP1B	Mx	-.012	5.67
94	MP1C	X	11.963	.67
95	MP1C	Z	20.721	.67
96	MP1C	Mx	.018	.67
97	MP1C	X	11.963	5.67
98	MP1C	Z	20.721	5.67
99	MP1C	Mx	.018	5.67
100	OVP	X	13.023	1
101	OVP	Z	22.557	1
102	OVP	Mx	.011	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	34.082	1.25
3	MP2A	Mx	.023	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	34.082	5.25
6	MP2A	Mx	.023	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	25.94	1.25
9	MP2B	Mx	-.025	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	25.94	5.25
12	MP2B	Mx	-.025	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	25.94	1.25
15	MP2C	Mx	.008	1.25
16	MP2C	X	0	5.25
17	MP2C	Z	25.94	5.25
18	MP2C	Mx	.008	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	34.082	1.25
21	MP2A	Mx	-.023	1.25
22	MP2A	X	0	5.25
23	MP2A	Z	34.082	5.25
24	MP2A	Mx	-.023	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	25.94	1.25
27	MP2B	Mx	-.008	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	25.94	5.25
30	MP2B	Mx	-.008	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	25.94	1.25
33	MP2C	Mx	.025	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	25.94	5.25
36	MP2C	Mx	.025	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	18.114	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41
41	MP3A	Z	18.114	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	10.302	2.41
45	MP3B	Mx	-.007	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	10.302	3.41
48	MP3B	Mx	-.007	3.41
49	MP3C	X	0	2.41
50	MP3C	Z	10.302	2.41
51	MP3C	Mx	.007	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	10.302	3.41
54	MP3C	Mx	.007	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	3.681	2.5
57	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2.5
59	MP2B	Z	2.989	2.5
60	MP2B	Mx	.001	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	2.989	2.5
63	MP2C	Mx	-.001	2.5
64	MP3A	X	0	4
65	MP3A	Z	15.244	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	11.756	4
69	MP3B	Mx	.005	4
70	MP3C	X	0	4
71	MP3C	Z	11.756	4
72	MP3C	Mx	-.005	4
73	MP2A	X	0	4
74	MP2A	Z	15.244	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	10.43	4
78	MP2B	Mx	.005	4
79	MP2C	X	0	4
80	MP2C	Z	10.43	4
81	MP2C	Mx	-.005	4
82	MP1A	X	0	.67
83	MP1A	Z	34.672	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	34.672	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	26.613	.67
90	MP1B	Mx	-.017	.67
91	MP1B	X	0	5.67
92	MP1B	Z	26.613	5.67
93	MP1B	Mx	-.017	5.67
94	MP1C	X	0	.67
95	MP1C	Z	26.613	.67
96	MP1C	Mx	.017	.67
97	MP1C	X	0	5.67
98	MP1C	Z	26.613	5.67
99	MP1C	Mx	.017	5.67
100	OVP	X	0	1
101	OVP	Z	28.742	1
102	OVP	Mx	.014	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.684	1.25
2	MP2A	Z	27.165	1.25
3	MP2A	Mx	.03	1.25
4	MP2A	X	-15.684	5.25
5	MP2A	Z	27.165	5.25
6	MP2A	Mx	.03	5.25
7	MP2B	X	-11.613	1.25
8	MP2B	Z	20.115	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.017	1.25
10	MP2B	X	-11.613	5.25
11	MP2B	Z	20.115	5.25
12	MP2B	Mx	-.017	5.25
13	MP2C	X	-15.684	1.25
14	MP2C	Z	27.165	1.25
15	MP2C	Mx	-.006	1.25
16	MP2C	X	-15.684	5.25
17	MP2C	Z	27.165	5.25
18	MP2C	Mx	-.006	5.25
19	MP2A	X	-15.684	1.25
20	MP2A	Z	27.165	1.25
21	MP2A	Mx	-.006	1.25
22	MP2A	X	-15.684	5.25
23	MP2A	Z	27.165	5.25
24	MP2A	Mx	-.006	5.25
25	MP2B	X	-11.613	1.25
26	MP2B	Z	20.115	1.25
27	MP2B	Mx	-.017	1.25
28	MP2B	X	-11.613	5.25
29	MP2B	Z	20.115	5.25
30	MP2B	Mx	-.017	5.25
31	MP2C	X	-15.684	1.25
32	MP2C	Z	27.165	1.25
33	MP2C	Mx	.03	1.25
34	MP2C	X	-15.684	5.25
35	MP2C	Z	27.165	5.25
36	MP2C	Mx	.03	5.25
37	MP3A	X	-7.755	2.41
38	MP3A	Z	13.432	2.41
39	MP3A	Mx	.006	2.41
40	MP3A	X	-7.755	3.41
41	MP3A	Z	13.432	3.41
42	MP3A	Mx	.006	3.41
43	MP3B	X	-3.849	2.41
44	MP3B	Z	6.667	2.41
45	MP3B	Mx	-.006	2.41
46	MP3B	X	-3.849	3.41
47	MP3B	Z	6.667	3.41
48	MP3B	Mx	-.006	3.41
49	MP3C	X	-7.755	2.41
50	MP3C	Z	13.432	2.41
51	MP3C	Mx	.006	2.41
52	MP3C	X	-7.755	3.41
53	MP3C	Z	13.432	3.41
54	MP3C	Mx	.006	3.41
55	MP2A	X	-1.725	2.5
56	MP2A	Z	2.988	2.5
57	MP2A	Mx	-.000863	2.5
58	MP2B	X	-1.379	2.5
59	MP2B	Z	2.388	2.5
60	MP2B	Mx	.001	2.5
61	MP2C	X	-1.725	2.5
62	MP2C	Z	2.988	2.5
63	MP2C	Mx	-.000863	2.5
64	MP3A	X	-7.041	4
65	MP3A	Z	12.195	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	-.004	4
67	MP3B	X	-5.296	4
68	MP3B	Z	9.174	4
69	MP3B	Mx	.005	4
70	MP3C	X	-7.041	4
71	MP3C	Z	12.195	4
72	MP3C	Mx	-.004	4
73	MP2A	X	-6.82	4
74	MP2A	Z	11.812	4
75	MP2A	Mx	-.003	4
76	MP2B	X	-4.413	4
77	MP2B	Z	7.643	4
78	MP2B	Mx	.004	4
79	MP2C	X	-6.82	4
80	MP2C	Z	11.812	4
81	MP2C	Mx	-.003	4
82	MP1A	X	-15.993	.67
83	MP1A	Z	27.701	.67
84	MP1A	Mx	.012	.67
85	MP1A	X	-15.993	5.67
86	MP1A	Z	27.701	5.67
87	MP1A	Mx	.012	5.67
88	MP1B	X	-11.963	.67
89	MP1B	Z	20.721	.67
90	MP1B	Mx	-.018	.67
91	MP1B	X	-11.963	5.67
92	MP1B	Z	20.721	5.67
93	MP1B	Mx	-.018	5.67
94	MP1C	X	-15.993	.67
95	MP1C	Z	27.701	.67
96	MP1C	Mx	.012	.67
97	MP1C	X	-15.993	5.67
98	MP1C	Z	27.701	5.67
99	MP1C	Mx	.012	5.67
100	OVP	X	-13.023	1
101	OVP	Z	22.557	1
102	OVP	Mx	.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.465	1.25
2	MP2A	Z	12.97	1.25
3	MP2A	Mx	.025	1.25
4	MP2A	X	-22.465	5.25
5	MP2A	Z	12.97	5.25
6	MP2A	Mx	.025	5.25
7	MP2B	X	-22.465	1.25
8	MP2B	Z	12.97	1.25
9	MP2B	Mx	-.008	1.25
10	MP2B	X	-22.465	5.25
11	MP2B	Z	12.97	5.25
12	MP2B	Mx	-.008	5.25
13	MP2C	X	-29.516	1.25
14	MP2C	Z	17.041	1.25
15	MP2C	Mx	-.023	1.25
16	MP2C	X	-29.516	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	17.041	5.25
18	MP2C	Mx	-.023	5.25
19	MP2A	X	-22.465	1.25
20	MP2A	Z	12.97	1.25
21	MP2A	Mx	.008	1.25
22	MP2A	X	-22.465	5.25
23	MP2A	Z	12.97	5.25
24	MP2A	Mx	.008	5.25
25	MP2B	X	-22.465	1.25
26	MP2B	Z	12.97	1.25
27	MP2B	Mx	-.025	1.25
28	MP2B	X	-22.465	5.25
29	MP2B	Z	12.97	5.25
30	MP2B	Mx	-.025	5.25
31	MP2C	X	-29.516	1.25
32	MP2C	Z	17.041	1.25
33	MP2C	Mx	.023	1.25
34	MP2C	X	-29.516	5.25
35	MP2C	Z	17.041	5.25
36	MP2C	Mx	.023	5.25
37	MP3A	X	-8.922	2.41
38	MP3A	Z	5.151	2.41
39	MP3A	Mx	.007	2.41
40	MP3A	X	-8.922	3.41
41	MP3A	Z	5.151	3.41
42	MP3A	Mx	.007	3.41
43	MP3B	X	-8.922	2.41
44	MP3B	Z	5.151	2.41
45	MP3B	Mx	-.007	2.41
46	MP3B	X	-8.922	3.41
47	MP3B	Z	5.151	3.41
48	MP3B	Mx	-.007	3.41
49	MP3C	X	-15.687	2.41
50	MP3C	Z	9.057	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	-15.687	3.41
53	MP3C	Z	9.057	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	-2.588	2.5
56	MP2A	Z	1.494	2.5
57	MP2A	Mx	-.001	2.5
58	MP2B	X	-2.588	2.5
59	MP2B	Z	1.494	2.5
60	MP2B	Mx	.001	2.5
61	MP2C	X	-3.188	2.5
62	MP2C	Z	1.841	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	-10.181	4
65	MP3A	Z	5.878	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-10.181	4
68	MP3B	Z	5.878	4
69	MP3B	Mx	.005	4
70	MP3C	X	-13.202	4
71	MP3C	Z	7.622	4
72	MP3C	Mx	0	4
73	MP2A	X	-9.033	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	5.215	4
75	MP2A	Mx	-.005	4
76	MP2B	X	-9.033	4
77	MP2B	Z	5.215	4
78	MP2B	Mx	.005	4
79	MP2C	X	-13.202	4
80	MP2C	Z	7.622	4
81	MP2C	Mx	0	4
82	MP1A	X	-23.048	.67
83	MP1A	Z	13.307	.67
84	MP1A	Mx	.017	.67
85	MP1A	X	-23.048	5.67
86	MP1A	Z	13.307	5.67
87	MP1A	Mx	.017	5.67
88	MP1B	X	-23.048	.67
89	MP1B	Z	13.307	.67
90	MP1B	Mx	-.017	.67
91	MP1B	X	-23.048	5.67
92	MP1B	Z	13.307	5.67
93	MP1B	Mx	-.017	5.67
94	MP1C	X	-30.027	.67
95	MP1C	Z	17.336	.67
96	MP1C	Mx	0	.67
97	MP1C	X	-30.027	5.67
98	MP1C	Z	17.336	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	-17.887	1
101	OVP	Z	10.327	1
102	OVP	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.227	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	.017	1.25
4	MP2A	X	-23.227	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	.017	5.25
7	MP2B	X	-31.368	1.25
8	MP2B	Z	0	1.25
9	MP2B	Mx	.006	1.25
10	MP2B	X	-31.368	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	.006	5.25
13	MP2C	X	-31.368	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	-.03	1.25
16	MP2C	X	-31.368	5.25
17	MP2C	Z	0	5.25
18	MP2C	Mx	-.03	5.25
19	MP2A	X	-23.227	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.017	1.25
22	MP2A	X	-23.227	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	.017	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-31.368	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.03	1.25
28	MP2B	X	-31.368	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	-.03	5.25
31	MP2C	X	-31.368	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.006	1.25
34	MP2C	X	-31.368	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	.006	5.25
37	MP3A	X	-7.699	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	.006	2.41
40	MP3A	X	-7.699	3.41
41	MP3A	Z	0	3.41
42	MP3A	Mx	.006	3.41
43	MP3B	X	-15.51	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	-.006	2.41
46	MP3B	X	-15.51	3.41
47	MP3B	Z	0	3.41
48	MP3B	Mx	-.006	3.41
49	MP3C	X	-15.51	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	-.006	2.41
52	MP3C	X	-15.51	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	-.006	3.41
55	MP2A	X	-2.758	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.001	2.5
58	MP2B	X	-3.45	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	.000863	2.5
61	MP2C	X	-3.45	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	.000863	2.5
64	MP3A	X	-10.593	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-14.082	4
68	MP3B	Z	0	4
69	MP3B	Mx	.004	4
70	MP3C	X	-14.082	4
71	MP3C	Z	0	4
72	MP3C	Mx	.004	4
73	MP2A	X	-8.825	4
74	MP2A	Z	0	4
75	MP2A	Mx	-.004	4
76	MP2B	X	-13.64	4
77	MP2B	Z	0	4
78	MP2B	Mx	.003	4
79	MP2C	X	-13.64	4
80	MP2C	Z	0	4
81	MP2C	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-23.927	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	.018	.67
85	MP1A	X	-23.927	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	.018	5.67
88	MP1B	X	-31.986	.67
89	MP1B	Z	0	.67
90	MP1B	Mx	-.012	.67
91	MP1B	X	-31.986	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	-.012	5.67
94	MP1C	X	-31.986	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	-.012	.67
97	MP1C	X	-31.986	5.67
98	MP1C	Z	0	5.67
99	MP1C	Mx	-.012	5.67
100	OVP	X	-17.958	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.465	1.25
2	MP2A	Z	-12.97	1.25
3	MP2A	Mx	.008	1.25
4	MP2A	X	-22.465	5.25
5	MP2A	Z	-12.97	5.25
6	MP2A	Mx	.008	5.25
7	MP2B	X	-29.516	1.25
8	MP2B	Z	-17.041	1.25
9	MP2B	Mx	.023	1.25
10	MP2B	X	-29.516	5.25
11	MP2B	Z	-17.041	5.25
12	MP2B	Mx	.023	5.25
13	MP2C	X	-22.465	1.25
14	MP2C	Z	-12.97	1.25
15	MP2C	Mx	-.025	1.25
16	MP2C	X	-22.465	5.25
17	MP2C	Z	-12.97	5.25
18	MP2C	Mx	-.025	5.25
19	MP2A	X	-22.465	1.25
20	MP2A	Z	-12.97	1.25
21	MP2A	Mx	.025	1.25
22	MP2A	X	-22.465	5.25
23	MP2A	Z	-12.97	5.25
24	MP2A	Mx	.025	5.25
25	MP2B	X	-29.516	1.25
26	MP2B	Z	-17.041	1.25
27	MP2B	Mx	-.023	1.25
28	MP2B	X	-29.516	5.25
29	MP2B	Z	-17.041	5.25
30	MP2B	Mx	-.023	5.25
31	MP2C	X	-22.465	1.25
32	MP2C	Z	-12.97	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.008	1.25
34	MP2C	X	-22.465	5.25
35	MP2C	Z	-12.97	5.25
36	MP2C	Mx	-.008	5.25
37	MP3A	X	-8.922	2.41
38	MP3A	Z	-5.151	2.41
39	MP3A	Mx	.007	2.41
40	MP3A	X	-8.922	3.41
41	MP3A	Z	-5.151	3.41
42	MP3A	Mx	.007	3.41
43	MP3B	X	-15.687	2.41
44	MP3B	Z	-9.057	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	-15.687	3.41
47	MP3B	Z	-9.057	3.41
48	MP3B	Mx	0	3.41
49	MP3C	X	-8.922	2.41
50	MP3C	Z	-5.151	2.41
51	MP3C	Mx	-.007	2.41
52	MP3C	X	-8.922	3.41
53	MP3C	Z	-5.151	3.41
54	MP3C	Mx	-.007	3.41
55	MP2A	X	-2.588	2.5
56	MP2A	Z	-1.494	2.5
57	MP2A	Mx	-.001	2.5
58	MP2B	X	-3.188	2.5
59	MP2B	Z	-1.841	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	-2.588	2.5
62	MP2C	Z	-1.494	2.5
63	MP2C	Mx	.001	2.5
64	MP3A	X	-10.181	4
65	MP3A	Z	-5.878	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-13.202	4
68	MP3B	Z	-7.622	4
69	MP3B	Mx	0	4
70	MP3C	X	-10.181	4
71	MP3C	Z	-5.878	4
72	MP3C	Mx	.005	4
73	MP2A	X	-9.033	4
74	MP2A	Z	-5.215	4
75	MP2A	Mx	-.005	4
76	MP2B	X	-13.202	4
77	MP2B	Z	-7.622	4
78	MP2B	Mx	0	4
79	MP2C	X	-9.033	4
80	MP2C	Z	-5.215	4
81	MP2C	Mx	.005	4
82	MP1A	X	-23.048	.67
83	MP1A	Z	-13.307	.67
84	MP1A	Mx	.017	.67
85	MP1A	X	-23.048	5.67
86	MP1A	Z	-13.307	5.67
87	MP1A	Mx	.017	5.67
88	MP1B	X	-30.027	.67
89	MP1B	Z	-17.336	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	0	.67
91	MP1B	X	-30.027	5.67
92	MP1B	Z	-17.336	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	-23.048	.67
95	MP1C	Z	-13.307	.67
96	MP1C	Mx	-.017	.67
97	MP1C	X	-23.048	5.67
98	MP1C	Z	-13.307	5.67
99	MP1C	Mx	-.017	5.67
100	OVP	X	-17.887	1
101	OVP	Z	-10.327	1
102	OVP	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.684	1.25
2	MP2A	Z	-27.165	1.25
3	MP2A	Mx	-.006	1.25
4	MP2A	X	-15.684	5.25
5	MP2A	Z	-27.165	5.25
6	MP2A	Mx	-.006	5.25
7	MP2B	X	-15.684	1.25
8	MP2B	Z	-27.165	1.25
9	MP2B	Mx	.03	1.25
10	MP2B	X	-15.684	5.25
11	MP2B	Z	-27.165	5.25
12	MP2B	Mx	.03	5.25
13	MP2C	X	-11.613	1.25
14	MP2C	Z	-20.115	1.25
15	MP2C	Mx	-.017	1.25
16	MP2C	X	-11.613	5.25
17	MP2C	Z	-20.115	5.25
18	MP2C	Mx	-.017	5.25
19	MP2A	X	-15.684	1.25
20	MP2A	Z	-27.165	1.25
21	MP2A	Mx	.03	1.25
22	MP2A	X	-15.684	5.25
23	MP2A	Z	-27.165	5.25
24	MP2A	Mx	.03	5.25
25	MP2B	X	-15.684	1.25
26	MP2B	Z	-27.165	1.25
27	MP2B	Mx	-.006	1.25
28	MP2B	X	-15.684	5.25
29	MP2B	Z	-27.165	5.25
30	MP2B	Mx	-.006	5.25
31	MP2C	X	-11.613	1.25
32	MP2C	Z	-20.115	1.25
33	MP2C	Mx	-.017	1.25
34	MP2C	X	-11.613	5.25
35	MP2C	Z	-20.115	5.25
36	MP2C	Mx	-.017	5.25
37	MP3A	X	-7.755	2.41
38	MP3A	Z	-13.432	2.41
39	MP3A	Mx	.006	2.41
40	MP3A	X	-7.755	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-13.432	3.41
42	MP3A	Mx	.006	3.41
43	MP3B	X	-7.755	2.41
44	MP3B	Z	-13.432	2.41
45	MP3B	Mx	.006	2.41
46	MP3B	X	-7.755	3.41
47	MP3B	Z	-13.432	3.41
48	MP3B	Mx	.006	3.41
49	MP3C	X	-3.849	2.41
50	MP3C	Z	-6.667	2.41
51	MP3C	Mx	-.006	2.41
52	MP3C	X	-3.849	3.41
53	MP3C	Z	-6.667	3.41
54	MP3C	Mx	-.006	3.41
55	MP2A	X	-1.725	2.5
56	MP2A	Z	-2.988	2.5
57	MP2A	Mx	-.000863	2.5
58	MP2B	X	-1.725	2.5
59	MP2B	Z	-2.988	2.5
60	MP2B	Mx	-.000863	2.5
61	MP2C	X	-1.379	2.5
62	MP2C	Z	-2.388	2.5
63	MP2C	Mx	.001	2.5
64	MP3A	X	-7.041	4
65	MP3A	Z	-12.195	4
66	MP3A	Mx	-.004	4
67	MP3B	X	-7.041	4
68	MP3B	Z	-12.195	4
69	MP3B	Mx	-.004	4
70	MP3C	X	-5.296	4
71	MP3C	Z	-9.174	4
72	MP3C	Mx	.005	4
73	MP2A	X	-6.82	4
74	MP2A	Z	-11.812	4
75	MP2A	Mx	-.003	4
76	MP2B	X	-6.82	4
77	MP2B	Z	-11.812	4
78	MP2B	Mx	-.003	4
79	MP2C	X	-4.413	4
80	MP2C	Z	-7.643	4
81	MP2C	Mx	.004	4
82	MP1A	X	-15.993	.67
83	MP1A	Z	-27.701	.67
84	MP1A	Mx	.012	.67
85	MP1A	X	-15.993	5.67
86	MP1A	Z	-27.701	5.67
87	MP1A	Mx	.012	5.67
88	MP1B	X	-15.993	.67
89	MP1B	Z	-27.701	.67
90	MP1B	Mx	.012	.67
91	MP1B	X	-15.993	5.67
92	MP1B	Z	-27.701	5.67
93	MP1B	Mx	.012	5.67
94	MP1C	X	-11.963	.67
95	MP1C	Z	-20.721	.67
96	MP1C	Mx	-.018	.67
97	MP1C	X	-11.963	5.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1C	Z	-20.721	5.67
99	MP1C	Mx	-.018	5.67
100	OVP	X	-13.023	1
101	OVP	Z	-22.557	1
102	OVP	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	-11.223	1.25
3	MP2A	Mx	-.007	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	-11.223	5.25
6	MP2A	Mx	-.007	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	-8.334	1.25
9	MP2B	Mx	.008	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	-8.334	5.25
12	MP2B	Mx	.008	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	-8.334	1.25
15	MP2C	Mx	-.003	1.25
16	MP2C	X	0	5.25
17	MP2C	Z	-8.334	5.25
18	MP2C	Mx	-.003	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	-11.223	1.25
21	MP2A	Mx	.007	1.25
22	MP2A	X	0	5.25
23	MP2A	Z	-11.223	5.25
24	MP2A	Mx	.007	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	-8.334	1.25
27	MP2B	Mx	.003	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	-8.334	5.25
30	MP2B	Mx	.003	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	-8.334	1.25
33	MP2C	Mx	-.008	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	-8.334	5.25
36	MP2C	Mx	-.008	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	-5.79	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41
41	MP3A	Z	-5.79	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	-3.148	2.41
45	MP3B	Mx	.002	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	-3.148	3.41
48	MP3B	Mx	.002	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	0	2.41
50	MP3C	Z	-3.148	2.41
51	MP3C	Mx	-.002	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	-3.148	3.41
54	MP3C	Mx	-.002	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	-.912	2.5
57	MP2A	Mx	0	2.5
58	MP2B	X	0	2.5
59	MP2B	Z	-.701	2.5
60	MP2B	Mx	-.000304	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	-.701	2.5
63	MP2C	Mx	.000304	2.5
64	MP3A	X	0	4
65	MP3A	Z	-4.608	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-3.462	4
69	MP3B	Mx	-.001	4
70	MP3C	X	0	4
71	MP3C	Z	-3.462	4
72	MP3C	Mx	.001	4
73	MP2A	X	0	4
74	MP2A	Z	-4.608	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	-3.023	4
78	MP2B	Mx	-.001	4
79	MP2C	X	0	4
80	MP2C	Z	-3.023	4
81	MP2C	Mx	.001	4
82	MP1A	X	0	.67
83	MP1A	Z	-11.371	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	-11.371	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	-8.516	.67
90	MP1B	Mx	.006	.67
91	MP1B	X	0	5.67
92	MP1B	Z	-8.516	5.67
93	MP1B	Mx	.006	5.67
94	MP1C	X	0	.67
95	MP1C	Z	-8.516	.67
96	MP1C	Mx	-.006	.67
97	MP1C	X	0	5.67
98	MP1C	Z	-8.516	5.67
99	MP1C	Mx	-.006	5.67
100	OVP	X	0	1
101	OVP	Z	-9.141	1
102	OVP	Mx	-.005	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.13	1.25
2	MP2A	Z	-8.886	1.25
3	MP2A	Mx	-.01	1.25
4	MP2A	X	5.13	5.25
5	MP2A	Z	-8.886	5.25
6	MP2A	Mx	-.01	5.25
7	MP2B	X	3.686	1.25
8	MP2B	Z	-6.384	1.25
9	MP2B	Mx	.006	1.25
10	MP2B	X	3.686	5.25
11	MP2B	Z	-6.384	5.25
12	MP2B	Mx	.006	5.25
13	MP2C	X	5.13	1.25
14	MP2C	Z	-8.886	1.25
15	MP2C	Mx	.002	1.25
16	MP2C	X	5.13	5.25
17	MP2C	Z	-8.886	5.25
18	MP2C	Mx	.002	5.25
19	MP2A	X	5.13	1.25
20	MP2A	Z	-8.886	1.25
21	MP2A	Mx	.002	1.25
22	MP2A	X	5.13	5.25
23	MP2A	Z	-8.886	5.25
24	MP2A	Mx	.002	5.25
25	MP2B	X	3.686	1.25
26	MP2B	Z	-6.384	1.25
27	MP2B	Mx	.006	1.25
28	MP2B	X	3.686	5.25
29	MP2B	Z	-6.384	5.25
30	MP2B	Mx	.006	5.25
31	MP2C	X	5.13	1.25
32	MP2C	Z	-8.886	1.25
33	MP2C	Mx	-.01	1.25
34	MP2C	X	5.13	5.25
35	MP2C	Z	-8.886	5.25
36	MP2C	Mx	-.01	5.25
37	MP3A	X	2.455	2.41
38	MP3A	Z	-4.252	2.41
39	MP3A	Mx	-.002	2.41
40	MP3A	X	2.455	3.41
41	MP3A	Z	-4.252	3.41
42	MP3A	Mx	-.002	3.41
43	MP3B	X	1.133	2.41
44	MP3B	Z	-1.963	2.41
45	MP3B	Mx	.002	2.41
46	MP3B	X	1.133	3.41
47	MP3B	Z	-1.963	3.41
48	MP3B	Mx	.002	3.41
49	MP3C	X	2.455	2.41
50	MP3C	Z	-4.252	2.41
51	MP3C	Mx	-.002	2.41
52	MP3C	X	2.455	3.41
53	MP3C	Z	-4.252	3.41
54	MP3C	Mx	-.002	3.41
55	MP2A	X	.421	2.5
56	MP2A	Z	-.729	2.5
57	MP2A	Mx	.00021	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	.315	2.5
59	MP2B	Z	-.546	2.5
60	MP2B	Mx	-.000315	2.5
61	MP2C	X	.421	2.5
62	MP2C	Z	-.729	2.5
63	MP2C	Mx	.00021	2.5
64	MP3A	X	2.113	4
65	MP3A	Z	-3.66	4
66	MP3A	Mx	.001	4
67	MP3B	X	1.54	4
68	MP3B	Z	-2.667	4
69	MP3B	Mx	-.002	4
70	MP3C	X	2.113	4
71	MP3C	Z	-3.66	4
72	MP3C	Mx	.001	4
73	MP2A	X	2.04	4
74	MP2A	Z	-3.533	4
75	MP2A	Mx	.001	4
76	MP2B	X	1.247	4
77	MP2B	Z	-2.161	4
78	MP2B	Mx	-.001	4
79	MP2C	X	2.04	4
80	MP2C	Z	-3.533	4
81	MP2C	Mx	.001	4
82	MP1A	X	5.21	.67
83	MP1A	Z	-9.024	.67
84	MP1A	Mx	-.004	.67
85	MP1A	X	5.21	5.67
86	MP1A	Z	-9.024	5.67
87	MP1A	Mx	-.004	5.67
88	MP1B	X	3.782	.67
89	MP1B	Z	-6.551	.67
90	MP1B	Mx	.006	.67
91	MP1B	X	3.782	5.67
92	MP1B	Z	-6.551	5.67
93	MP1B	Mx	.006	5.67
94	MP1C	X	5.21	.67
95	MP1C	Z	-9.024	.67
96	MP1C	Mx	-.004	.67
97	MP1C	X	5.21	5.67
98	MP1C	Z	-9.024	5.67
99	MP1C	Mx	-.004	5.67
100	OVP	X	4.107	1
101	OVP	Z	-7.114	1
102	OVP	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.218	1.25
2	MP2A	Z	-4.167	1.25
3	MP2A	Mx	-.008	1.25
4	MP2A	X	7.218	5.25
5	MP2A	Z	-4.167	5.25
6	MP2A	Mx	-.008	5.25
7	MP2B	X	7.218	1.25
8	MP2B	Z	-4.167	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.003	1.25
10	MP2B	X	7.218	5.25
11	MP2B	Z	-4.167	5.25
12	MP2B	Mx	.003	5.25
13	MP2C	X	9.72	1.25
14	MP2C	Z	-5.612	1.25
15	MP2C	Mx	.007	1.25
16	MP2C	X	9.72	5.25
17	MP2C	Z	-5.612	5.25
18	MP2C	Mx	.007	5.25
19	MP2A	X	7.218	1.25
20	MP2A	Z	-4.167	1.25
21	MP2A	Mx	-.003	1.25
22	MP2A	X	7.218	5.25
23	MP2A	Z	-4.167	5.25
24	MP2A	Mx	-.003	5.25
25	MP2B	X	7.218	1.25
26	MP2B	Z	-4.167	1.25
27	MP2B	Mx	.008	1.25
28	MP2B	X	7.218	5.25
29	MP2B	Z	-4.167	5.25
30	MP2B	Mx	.008	5.25
31	MP2C	X	9.72	1.25
32	MP2C	Z	-5.612	1.25
33	MP2C	Mx	-.007	1.25
34	MP2C	X	9.72	5.25
35	MP2C	Z	-5.612	5.25
36	MP2C	Mx	-.007	5.25
37	MP3A	X	2.726	2.41
38	MP3A	Z	-1.574	2.41
39	MP3A	Mx	-.002	2.41
40	MP3A	X	2.726	3.41
41	MP3A	Z	-1.574	3.41
42	MP3A	Mx	-.002	3.41
43	MP3B	X	2.726	2.41
44	MP3B	Z	-1.574	2.41
45	MP3B	Mx	.002	2.41
46	MP3B	X	2.726	3.41
47	MP3B	Z	-1.574	3.41
48	MP3B	Mx	.002	3.41
49	MP3C	X	5.015	2.41
50	MP3C	Z	-2.895	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	5.015	3.41
53	MP3C	Z	-2.895	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	.607	2.5
56	MP2A	Z	-.35	2.5
57	MP2A	Mx	.000304	2.5
58	MP2B	X	.607	2.5
59	MP2B	Z	-.35	2.5
60	MP2B	Mx	-.000303	2.5
61	MP2C	X	.79	2.5
62	MP2C	Z	-.456	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	2.998	4
65	MP3A	Z	-1.731	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	.001	4
67	MP3B	X	2.998	4
68	MP3B	Z	-1.731	4
69	MP3B	Mx	-.001	4
70	MP3C	X	3.99	4
71	MP3C	Z	-2.304	4
72	MP3C	Mx	0	4
73	MP2A	X	2.618	4
74	MP2A	Z	-1.511	4
75	MP2A	Mx	.001	4
76	MP2B	X	2.618	4
77	MP2B	Z	-1.511	4
78	MP2B	Mx	-.001	4
79	MP2C	X	3.99	4
80	MP2C	Z	-2.304	4
81	MP2C	Mx	0	4
82	MP1A	X	7.375	.67
83	MP1A	Z	-4.258	.67
84	MP1A	Mx	-.006	.67
85	MP1A	X	7.375	5.67
86	MP1A	Z	-4.258	5.67
87	MP1A	Mx	-.006	5.67
88	MP1B	X	7.375	.67
89	MP1B	Z	-4.258	.67
90	MP1B	Mx	.006	.67
91	MP1B	X	7.375	5.67
92	MP1B	Z	-4.258	5.67
93	MP1B	Mx	.006	5.67
94	MP1C	X	9.848	.67
95	MP1C	Z	-5.686	.67
96	MP1C	Mx	0	.67
97	MP1C	X	9.848	5.67
98	MP1C	Z	-5.686	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	5.509	1
101	OVP	Z	-3.181	1
102	OVP	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.371	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	-.006	1.25
4	MP2A	X	7.371	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	-.006	5.25
7	MP2B	X	10.26	1.25
8	MP2B	Z	0	1.25
9	MP2B	Mx	-.002	1.25
10	MP2B	X	10.26	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	-.002	5.25
13	MP2C	X	10.26	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	.01	1.25
16	MP2C	X	10.26	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	0	5.25
18	MP2C	Mx	.01	5.25
19	MP2A	X	7.371	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.006	1.25
22	MP2A	X	7.371	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	-.006	5.25
25	MP2B	X	10.26	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.01	1.25
28	MP2B	X	10.26	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	.01	5.25
31	MP2C	X	10.26	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	-.002	1.25
34	MP2C	X	10.26	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	-.002	5.25
37	MP3A	X	2.267	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	-.002	2.41
40	MP3A	X	2.267	3.41
41	MP3A	Z	0	3.41
42	MP3A	Mx	-.002	3.41
43	MP3B	X	4.909	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	.002	2.41
46	MP3B	X	4.909	3.41
47	MP3B	Z	0	3.41
48	MP3B	Mx	.002	3.41
49	MP3C	X	4.909	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	.002	2.41
52	MP3C	X	4.909	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	.002	3.41
55	MP2A	X	.631	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.000316	2.5
58	MP2B	X	.841	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	-.00021	2.5
61	MP2C	X	.841	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	-.00021	2.5
64	MP3A	X	3.08	4
65	MP3A	Z	0	4
66	MP3A	Mx	.002	4
67	MP3B	X	4.226	4
68	MP3B	Z	0	4
69	MP3B	Mx	-.001	4
70	MP3C	X	4.226	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.001	4
73	MP2A	X	2.495	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	0	4
75	MP2A	Mx	.001	4
76	MP2B	X	4.079	4
77	MP2B	Z	0	4
78	MP2B	Mx	-.001	4
79	MP2C	X	4.079	4
80	MP2C	Z	0	4
81	MP2C	Mx	-.001	4
82	MP1A	X	7.565	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	-.006	.67
85	MP1A	X	7.565	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	-.006	5.67
88	MP1B	X	10.419	.67
89	MP1B	Z	0	.67
90	MP1B	Mx	.004	.67
91	MP1B	X	10.419	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	.004	5.67
94	MP1C	X	10.419	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	.004	.67
97	MP1C	X	10.419	5.67
98	MP1C	Z	0	5.67
99	MP1C	Mx	.004	5.67
100	OVP	X	5.435	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.218	1.25
2	MP2A	Z	4.167	1.25
3	MP2A	Mx	-.003	1.25
4	MP2A	X	7.218	5.25
5	MP2A	Z	4.167	5.25
6	MP2A	Mx	-.003	5.25
7	MP2B	X	9.72	1.25
8	MP2B	Z	5.612	1.25
9	MP2B	Mx	-.007	1.25
10	MP2B	X	9.72	5.25
11	MP2B	Z	5.612	5.25
12	MP2B	Mx	-.007	5.25
13	MP2C	X	7.218	1.25
14	MP2C	Z	4.167	1.25
15	MP2C	Mx	.008	1.25
16	MP2C	X	7.218	5.25
17	MP2C	Z	4.167	5.25
18	MP2C	Mx	.008	5.25
19	MP2A	X	7.218	1.25
20	MP2A	Z	4.167	1.25
21	MP2A	Mx	-.008	1.25
22	MP2A	X	7.218	5.25
23	MP2A	Z	4.167	5.25
24	MP2A	Mx	-.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	9.72	1.25
26	MP2B	Z	5.612	1.25
27	MP2B	Mx	.007	1.25
28	MP2B	X	9.72	5.25
29	MP2B	Z	5.612	5.25
30	MP2B	Mx	.007	5.25
31	MP2C	X	7.218	1.25
32	MP2C	Z	4.167	1.25
33	MP2C	Mx	.003	1.25
34	MP2C	X	7.218	5.25
35	MP2C	Z	4.167	5.25
36	MP2C	Mx	.003	5.25
37	MP3A	X	2.726	2.41
38	MP3A	Z	1.574	2.41
39	MP3A	Mx	-.002	2.41
40	MP3A	X	2.726	3.41
41	MP3A	Z	1.574	3.41
42	MP3A	Mx	-.002	3.41
43	MP3B	X	5.015	2.41
44	MP3B	Z	2.895	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	5.015	3.41
47	MP3B	Z	2.895	3.41
48	MP3B	Mx	0	3.41
49	MP3C	X	2.726	2.41
50	MP3C	Z	1.574	2.41
51	MP3C	Mx	.002	2.41
52	MP3C	X	2.726	3.41
53	MP3C	Z	1.574	3.41
54	MP3C	Mx	.002	3.41
55	MP2A	X	.607	2.5
56	MP2A	Z	.35	2.5
57	MP2A	Mx	.000304	2.5
58	MP2B	X	.79	2.5
59	MP2B	Z	.456	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	.607	2.5
62	MP2C	Z	.35	2.5
63	MP2C	Mx	-.000303	2.5
64	MP3A	X	2.998	4
65	MP3A	Z	1.731	4
66	MP3A	Mx	.001	4
67	MP3B	X	3.99	4
68	MP3B	Z	2.304	4
69	MP3B	Mx	0	4
70	MP3C	X	2.998	4
71	MP3C	Z	1.731	4
72	MP3C	Mx	-.001	4
73	MP2A	X	2.618	4
74	MP2A	Z	1.511	4
75	MP2A	Mx	.001	4
76	MP2B	X	3.99	4
77	MP2B	Z	2.304	4
78	MP2B	Mx	0	4
79	MP2C	X	2.618	4
80	MP2C	Z	1.511	4
81	MP2C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	7.375	.67
83	MP1A	Z	4.258	.67
84	MP1A	Mx	-.006	.67
85	MP1A	X	7.375	5.67
86	MP1A	Z	4.258	5.67
87	MP1A	Mx	-.006	5.67
88	MP1B	X	9.848	.67
89	MP1B	Z	5.686	.67
90	MP1B	Mx	0	.67
91	MP1B	X	9.848	5.67
92	MP1B	Z	5.686	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	7.375	.67
95	MP1C	Z	4.258	.67
96	MP1C	Mx	.006	.67
97	MP1C	X	7.375	5.67
98	MP1C	Z	4.258	5.67
99	MP1C	Mx	.006	5.67
100	OVP	X	5.509	1
101	OVP	Z	3.181	1
102	OVP	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.13	1.25
2	MP2A	Z	8.886	1.25
3	MP2A	Mx	.002	1.25
4	MP2A	X	5.13	5.25
5	MP2A	Z	8.886	5.25
6	MP2A	Mx	.002	5.25
7	MP2B	X	5.13	1.25
8	MP2B	Z	8.886	1.25
9	MP2B	Mx	-.01	1.25
10	MP2B	X	5.13	5.25
11	MP2B	Z	8.886	5.25
12	MP2B	Mx	-.01	5.25
13	MP2C	X	3.686	1.25
14	MP2C	Z	6.384	1.25
15	MP2C	Mx	.006	1.25
16	MP2C	X	3.686	5.25
17	MP2C	Z	6.384	5.25
18	MP2C	Mx	.006	5.25
19	MP2A	X	5.13	1.25
20	MP2A	Z	8.886	1.25
21	MP2A	Mx	-.01	1.25
22	MP2A	X	5.13	5.25
23	MP2A	Z	8.886	5.25
24	MP2A	Mx	-.01	5.25
25	MP2B	X	5.13	1.25
26	MP2B	Z	8.886	1.25
27	MP2B	Mx	.002	1.25
28	MP2B	X	5.13	5.25
29	MP2B	Z	8.886	5.25
30	MP2B	Mx	.002	5.25
31	MP2C	X	3.686	1.25
32	MP2C	Z	6.384	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.006	1.25
34	MP2C	X	3.686	5.25
35	MP2C	Z	6.384	5.25
36	MP2C	Mx	.006	5.25
37	MP3A	X	2.455	2.41
38	MP3A	Z	4.252	2.41
39	MP3A	Mx	-.002	2.41
40	MP3A	X	2.455	3.41
41	MP3A	Z	4.252	3.41
42	MP3A	Mx	-.002	3.41
43	MP3B	X	2.455	2.41
44	MP3B	Z	4.252	2.41
45	MP3B	Mx	-.002	2.41
46	MP3B	X	2.455	3.41
47	MP3B	Z	4.252	3.41
48	MP3B	Mx	-.002	3.41
49	MP3C	X	1.133	2.41
50	MP3C	Z	1.963	2.41
51	MP3C	Mx	.002	2.41
52	MP3C	X	1.133	3.41
53	MP3C	Z	1.963	3.41
54	MP3C	Mx	.002	3.41
55	MP2A	X	.421	2.5
56	MP2A	Z	.729	2.5
57	MP2A	Mx	.00021	2.5
58	MP2B	X	.421	2.5
59	MP2B	Z	.729	2.5
60	MP2B	Mx	.00021	2.5
61	MP2C	X	.315	2.5
62	MP2C	Z	.546	2.5
63	MP2C	Mx	-.000315	2.5
64	MP3A	X	2.113	4
65	MP3A	Z	3.66	4
66	MP3A	Mx	.001	4
67	MP3B	X	2.113	4
68	MP3B	Z	3.66	4
69	MP3B	Mx	.001	4
70	MP3C	X	1.54	4
71	MP3C	Z	2.667	4
72	MP3C	Mx	-.002	4
73	MP2A	X	2.04	4
74	MP2A	Z	3.533	4
75	MP2A	Mx	.001	4
76	MP2B	X	2.04	4
77	MP2B	Z	3.533	4
78	MP2B	Mx	.001	4
79	MP2C	X	1.247	4
80	MP2C	Z	2.161	4
81	MP2C	Mx	-.001	4
82	MP1A	X	5.21	.67
83	MP1A	Z	9.024	.67
84	MP1A	Mx	-.004	.67
85	MP1A	X	5.21	5.67
86	MP1A	Z	9.024	5.67
87	MP1A	Mx	-.004	5.67
88	MP1B	X	5.21	.67
89	MP1B	Z	9.024	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	-.004	.67
91	MP1B	X	5.21	5.67
92	MP1B	Z	9.024	5.67
93	MP1B	Mx	-.004	5.67
94	MP1C	X	3.782	.67
95	MP1C	Z	6.551	.67
96	MP1C	Mx	.006	.67
97	MP1C	X	3.782	5.67
98	MP1C	Z	6.551	5.67
99	MP1C	Mx	.006	5.67
100	OVP	X	4.107	1
101	OVP	Z	7.114	1
102	OVP	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.25
2	MP2A	Z	11.223	1.25
3	MP2A	Mx	.007	1.25
4	MP2A	X	0	5.25
5	MP2A	Z	11.223	5.25
6	MP2A	Mx	.007	5.25
7	MP2B	X	0	1.25
8	MP2B	Z	8.334	1.25
9	MP2B	Mx	-.008	1.25
10	MP2B	X	0	5.25
11	MP2B	Z	8.334	5.25
12	MP2B	Mx	-.008	5.25
13	MP2C	X	0	1.25
14	MP2C	Z	8.334	1.25
15	MP2C	Mx	.003	1.25
16	MP2C	X	0	5.25
17	MP2C	Z	8.334	5.25
18	MP2C	Mx	.003	5.25
19	MP2A	X	0	1.25
20	MP2A	Z	11.223	1.25
21	MP2A	Mx	-.007	1.25
22	MP2A	X	0	5.25
23	MP2A	Z	11.223	5.25
24	MP2A	Mx	-.007	5.25
25	MP2B	X	0	1.25
26	MP2B	Z	8.334	1.25
27	MP2B	Mx	-.003	1.25
28	MP2B	X	0	5.25
29	MP2B	Z	8.334	5.25
30	MP2B	Mx	-.003	5.25
31	MP2C	X	0	1.25
32	MP2C	Z	8.334	1.25
33	MP2C	Mx	.008	1.25
34	MP2C	X	0	5.25
35	MP2C	Z	8.334	5.25
36	MP2C	Mx	.008	5.25
37	MP3A	X	0	2.41
38	MP3A	Z	5.79	2.41
39	MP3A	Mx	0	2.41
40	MP3A	X	0	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	5.79	3.41
42	MP3A	Mx	0	3.41
43	MP3B	X	0	2.41
44	MP3B	Z	3.148	2.41
45	MP3B	Mx	-.002	2.41
46	MP3B	X	0	3.41
47	MP3B	Z	3.148	3.41
48	MP3B	Mx	-.002	3.41
49	MP3C	X	0	2.41
50	MP3C	Z	3.148	2.41
51	MP3C	Mx	.002	2.41
52	MP3C	X	0	3.41
53	MP3C	Z	3.148	3.41
54	MP3C	Mx	.002	3.41
55	MP2A	X	0	2.5
56	MP2A	Z	.912	2.5
57	MP2A	Mx	0	2.5
58	MP2B	X	0	2.5
59	MP2B	Z	.701	2.5
60	MP2B	Mx	.000304	2.5
61	MP2C	X	0	2.5
62	MP2C	Z	.701	2.5
63	MP2C	Mx	-.000304	2.5
64	MP3A	X	0	4
65	MP3A	Z	4.608	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	3.462	4
69	MP3B	Mx	.001	4
70	MP3C	X	0	4
71	MP3C	Z	3.462	4
72	MP3C	Mx	-.001	4
73	MP2A	X	0	4
74	MP2A	Z	4.608	4
75	MP2A	Mx	0	4
76	MP2B	X	0	4
77	MP2B	Z	3.023	4
78	MP2B	Mx	.001	4
79	MP2C	X	0	4
80	MP2C	Z	3.023	4
81	MP2C	Mx	-.001	4
82	MP1A	X	0	.67
83	MP1A	Z	11.371	.67
84	MP1A	Mx	0	.67
85	MP1A	X	0	5.67
86	MP1A	Z	11.371	5.67
87	MP1A	Mx	0	5.67
88	MP1B	X	0	.67
89	MP1B	Z	8.516	.67
90	MP1B	Mx	-.006	.67
91	MP1B	X	0	5.67
92	MP1B	Z	8.516	5.67
93	MP1B	Mx	-.006	5.67
94	MP1C	X	0	.67
95	MP1C	Z	8.516	.67
96	MP1C	Mx	.006	.67
97	MP1C	X	0	5.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1C	Z	8.516	5.67
99	MP1C	Mx	.006	5.67
100	OVP	X	0	1
101	OVP	Z	9.141	1
102	OVP	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.13	1.25
2	MP2A	Z	8.886	1.25
3	MP2A	Mx	.01	1.25
4	MP2A	X	-5.13	5.25
5	MP2A	Z	8.886	5.25
6	MP2A	Mx	.01	5.25
7	MP2B	X	-3.686	1.25
8	MP2B	Z	6.384	1.25
9	MP2B	Mx	-.006	1.25
10	MP2B	X	-3.686	5.25
11	MP2B	Z	6.384	5.25
12	MP2B	Mx	-.006	5.25
13	MP2C	X	-5.13	1.25
14	MP2C	Z	8.886	1.25
15	MP2C	Mx	-.002	1.25
16	MP2C	X	-5.13	5.25
17	MP2C	Z	8.886	5.25
18	MP2C	Mx	-.002	5.25
19	MP2A	X	-5.13	1.25
20	MP2A	Z	8.886	1.25
21	MP2A	Mx	-.002	1.25
22	MP2A	X	-5.13	5.25
23	MP2A	Z	8.886	5.25
24	MP2A	Mx	-.002	5.25
25	MP2B	X	-3.686	1.25
26	MP2B	Z	6.384	1.25
27	MP2B	Mx	-.006	1.25
28	MP2B	X	-3.686	5.25
29	MP2B	Z	6.384	5.25
30	MP2B	Mx	-.006	5.25
31	MP2C	X	-5.13	1.25
32	MP2C	Z	8.886	1.25
33	MP2C	Mx	.01	1.25
34	MP2C	X	-5.13	5.25
35	MP2C	Z	8.886	5.25
36	MP2C	Mx	.01	5.25
37	MP3A	X	-2.455	2.41
38	MP3A	Z	4.252	2.41
39	MP3A	Mx	.002	2.41
40	MP3A	X	-2.455	3.41
41	MP3A	Z	4.252	3.41
42	MP3A	Mx	.002	3.41
43	MP3B	X	-1.133	2.41
44	MP3B	Z	1.963	2.41
45	MP3B	Mx	-.002	2.41
46	MP3B	X	-1.133	3.41
47	MP3B	Z	1.963	3.41
48	MP3B	Mx	-.002	3.41

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	-2.455	2.41
50	MP3C	Z	4.252	2.41
51	MP3C	Mx	.002	2.41
52	MP3C	X	-2.455	3.41
53	MP3C	Z	4.252	3.41
54	MP3C	Mx	.002	3.41
55	MP2A	X	-.421	2.5
56	MP2A	Z	.729	2.5
57	MP2A	Mx	-.00021	2.5
58	MP2B	X	-.315	2.5
59	MP2B	Z	.546	2.5
60	MP2B	Mx	.000315	2.5
61	MP2C	X	-.421	2.5
62	MP2C	Z	.729	2.5
63	MP2C	Mx	-.00021	2.5
64	MP3A	X	-2.113	4
65	MP3A	Z	3.66	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-1.54	4
68	MP3B	Z	2.667	4
69	MP3B	Mx	.002	4
70	MP3C	X	-2.113	4
71	MP3C	Z	3.66	4
72	MP3C	Mx	-.001	4
73	MP2A	X	-2.04	4
74	MP2A	Z	3.533	4
75	MP2A	Mx	-.001	4
76	MP2B	X	-1.247	4
77	MP2B	Z	2.161	4
78	MP2B	Mx	.001	4
79	MP2C	X	-2.04	4
80	MP2C	Z	3.533	4
81	MP2C	Mx	-.001	4
82	MP1A	X	-5.21	.67
83	MP1A	Z	9.024	.67
84	MP1A	Mx	.004	.67
85	MP1A	X	-5.21	5.67
86	MP1A	Z	9.024	5.67
87	MP1A	Mx	.004	5.67
88	MP1B	X	-3.782	.67
89	MP1B	Z	6.551	.67
90	MP1B	Mx	-.006	.67
91	MP1B	X	-3.782	5.67
92	MP1B	Z	6.551	5.67
93	MP1B	Mx	-.006	5.67
94	MP1C	X	-5.21	.67
95	MP1C	Z	9.024	.67
96	MP1C	Mx	.004	.67
97	MP1C	X	-5.21	5.67
98	MP1C	Z	9.024	5.67
99	MP1C	Mx	.004	5.67
100	OVP	X	-4.107	1
101	OVP	Z	7.114	1
102	OVP	Mx	.004	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.218	1.25
2	MP2A	Z	4.167	1.25
3	MP2A	Mx	.008	1.25
4	MP2A	X	-7.218	5.25
5	MP2A	Z	4.167	5.25
6	MP2A	Mx	.008	5.25
7	MP2B	X	-7.218	1.25
8	MP2B	Z	4.167	1.25
9	MP2B	Mx	-.003	1.25
10	MP2B	X	-7.218	5.25
11	MP2B	Z	4.167	5.25
12	MP2B	Mx	-.003	5.25
13	MP2C	X	-9.72	1.25
14	MP2C	Z	5.612	1.25
15	MP2C	Mx	-.007	1.25
16	MP2C	X	-9.72	5.25
17	MP2C	Z	5.612	5.25
18	MP2C	Mx	-.007	5.25
19	MP2A	X	-7.218	1.25
20	MP2A	Z	4.167	1.25
21	MP2A	Mx	.003	1.25
22	MP2A	X	-7.218	5.25
23	MP2A	Z	4.167	5.25
24	MP2A	Mx	.003	5.25
25	MP2B	X	-7.218	1.25
26	MP2B	Z	4.167	1.25
27	MP2B	Mx	-.008	1.25
28	MP2B	X	-7.218	5.25
29	MP2B	Z	4.167	5.25
30	MP2B	Mx	-.008	5.25
31	MP2C	X	-9.72	1.25
32	MP2C	Z	5.612	1.25
33	MP2C	Mx	.007	1.25
34	MP2C	X	-9.72	5.25
35	MP2C	Z	5.612	5.25
36	MP2C	Mx	.007	5.25
37	MP3A	X	-2.726	2.41
38	MP3A	Z	1.574	2.41
39	MP3A	Mx	.002	2.41
40	MP3A	X	-2.726	3.41
41	MP3A	Z	1.574	3.41
42	MP3A	Mx	.002	3.41
43	MP3B	X	-2.726	2.41
44	MP3B	Z	1.574	2.41
45	MP3B	Mx	-.002	2.41
46	MP3B	X	-2.726	3.41
47	MP3B	Z	1.574	3.41
48	MP3B	Mx	-.002	3.41
49	MP3C	X	-5.015	2.41
50	MP3C	Z	2.895	2.41
51	MP3C	Mx	0	2.41
52	MP3C	X	-5.015	3.41
53	MP3C	Z	2.895	3.41
54	MP3C	Mx	0	3.41
55	MP2A	X	-.607	2.5
56	MP2A	Z	.35	2.5
57	MP2A	Mx	-.000304	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-.607	2.5
59	MP2B	Z	.35	2.5
60	MP2B	Mx	.000303	2.5
61	MP2C	X	-.79	2.5
62	MP2C	Z	.456	2.5
63	MP2C	Mx	0	2.5
64	MP3A	X	-2.998	4
65	MP3A	Z	1.731	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-2.998	4
68	MP3B	Z	1.731	4
69	MP3B	Mx	.001	4
70	MP3C	X	-3.99	4
71	MP3C	Z	2.304	4
72	MP3C	Mx	0	4
73	MP2A	X	-2.618	4
74	MP2A	Z	1.511	4
75	MP2A	Mx	-.001	4
76	MP2B	X	-2.618	4
77	MP2B	Z	1.511	4
78	MP2B	Mx	.001	4
79	MP2C	X	-3.99	4
80	MP2C	Z	2.304	4
81	MP2C	Mx	0	4
82	MP1A	X	-7.375	.67
83	MP1A	Z	4.258	.67
84	MP1A	Mx	.006	.67
85	MP1A	X	-7.375	5.67
86	MP1A	Z	4.258	5.67
87	MP1A	Mx	.006	5.67
88	MP1B	X	-7.375	.67
89	MP1B	Z	4.258	.67
90	MP1B	Mx	-.006	.67
91	MP1B	X	-7.375	5.67
92	MP1B	Z	4.258	5.67
93	MP1B	Mx	-.006	5.67
94	MP1C	X	-9.848	.67
95	MP1C	Z	5.686	.67
96	MP1C	Mx	0	.67
97	MP1C	X	-9.848	5.67
98	MP1C	Z	5.686	5.67
99	MP1C	Mx	0	5.67
100	OVP	X	-5.509	1
101	OVP	Z	3.181	1
102	OVP	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.371	1.25
2	MP2A	Z	0	1.25
3	MP2A	Mx	.006	1.25
4	MP2A	X	-7.371	5.25
5	MP2A	Z	0	5.25
6	MP2A	Mx	.006	5.25
7	MP2B	X	-10.26	1.25
8	MP2B	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.002	1.25
10	MP2B	X	-10.26	5.25
11	MP2B	Z	0	5.25
12	MP2B	Mx	.002	5.25
13	MP2C	X	-10.26	1.25
14	MP2C	Z	0	1.25
15	MP2C	Mx	-.01	1.25
16	MP2C	X	-10.26	5.25
17	MP2C	Z	0	5.25
18	MP2C	Mx	-.01	5.25
19	MP2A	X	-7.371	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.006	1.25
22	MP2A	X	-7.371	5.25
23	MP2A	Z	0	5.25
24	MP2A	Mx	.006	5.25
25	MP2B	X	-10.26	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.01	1.25
28	MP2B	X	-10.26	5.25
29	MP2B	Z	0	5.25
30	MP2B	Mx	-.01	5.25
31	MP2C	X	-10.26	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.002	1.25
34	MP2C	X	-10.26	5.25
35	MP2C	Z	0	5.25
36	MP2C	Mx	.002	5.25
37	MP3A	X	-2.267	2.41
38	MP3A	Z	0	2.41
39	MP3A	Mx	.002	2.41
40	MP3A	X	-2.267	3.41
41	MP3A	Z	0	3.41
42	MP3A	Mx	.002	3.41
43	MP3B	X	-4.909	2.41
44	MP3B	Z	0	2.41
45	MP3B	Mx	-.002	2.41
46	MP3B	X	-4.909	3.41
47	MP3B	Z	0	3.41
48	MP3B	Mx	-.002	3.41
49	MP3C	X	-4.909	2.41
50	MP3C	Z	0	2.41
51	MP3C	Mx	-.002	2.41
52	MP3C	X	-4.909	3.41
53	MP3C	Z	0	3.41
54	MP3C	Mx	-.002	3.41
55	MP2A	X	-.631	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.000316	2.5
58	MP2B	X	-.841	2.5
59	MP2B	Z	0	2.5
60	MP2B	Mx	.00021	2.5
61	MP2C	X	-.841	2.5
62	MP2C	Z	0	2.5
63	MP2C	Mx	.00021	2.5
64	MP3A	X	-3.08	4
65	MP3A	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	-.002	4
67	MP3B	X	-4.226	4
68	MP3B	Z	0	4
69	MP3B	Mx	.001	4
70	MP3C	X	-4.226	4
71	MP3C	Z	0	4
72	MP3C	Mx	.001	4
73	MP2A	X	-2.495	4
74	MP2A	Z	0	4
75	MP2A	Mx	-.001	4
76	MP2B	X	-4.079	4
77	MP2B	Z	0	4
78	MP2B	Mx	.001	4
79	MP2C	X	-4.079	4
80	MP2C	Z	0	4
81	MP2C	Mx	.001	4
82	MP1A	X	-7.565	.67
83	MP1A	Z	0	.67
84	MP1A	Mx	.006	.67
85	MP1A	X	-7.565	5.67
86	MP1A	Z	0	5.67
87	MP1A	Mx	.006	5.67
88	MP1B	X	-10.419	.67
89	MP1B	Z	0	.67
90	MP1B	Mx	-.004	.67
91	MP1B	X	-10.419	5.67
92	MP1B	Z	0	5.67
93	MP1B	Mx	-.004	5.67
94	MP1C	X	-10.419	.67
95	MP1C	Z	0	.67
96	MP1C	Mx	-.004	.67
97	MP1C	X	-10.419	5.67
98	MP1C	Z	0	5.67
99	MP1C	Mx	-.004	5.67
100	OVP	X	-5.435	1
101	OVP	Z	0	1
102	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.218	1.25
2	MP2A	Z	-4.167	1.25
3	MP2A	Mx	.003	1.25
4	MP2A	X	-7.218	5.25
5	MP2A	Z	-4.167	5.25
6	MP2A	Mx	.003	5.25
7	MP2B	X	-9.72	1.25
8	MP2B	Z	-5.612	1.25
9	MP2B	Mx	.007	1.25
10	MP2B	X	-9.72	5.25
11	MP2B	Z	-5.612	5.25
12	MP2B	Mx	.007	5.25
13	MP2C	X	-7.218	1.25
14	MP2C	Z	-4.167	1.25
15	MP2C	Mx	-.008	1.25
16	MP2C	X	-7.218	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-4.167	5.25
18	MP2C	Mx	-.008	5.25
19	MP2A	X	-7.218	1.25
20	MP2A	Z	-4.167	1.25
21	MP2A	Mx	.008	1.25
22	MP2A	X	-7.218	5.25
23	MP2A	Z	-4.167	5.25
24	MP2A	Mx	.008	5.25
25	MP2B	X	-9.72	1.25
26	MP2B	Z	-5.612	1.25
27	MP2B	Mx	-.007	1.25
28	MP2B	X	-9.72	5.25
29	MP2B	Z	-5.612	5.25
30	MP2B	Mx	-.007	5.25
31	MP2C	X	-7.218	1.25
32	MP2C	Z	-4.167	1.25
33	MP2C	Mx	-.003	1.25
34	MP2C	X	-7.218	5.25
35	MP2C	Z	-4.167	5.25
36	MP2C	Mx	-.003	5.25
37	MP3A	X	-2.726	2.41
38	MP3A	Z	-1.574	2.41
39	MP3A	Mx	.002	2.41
40	MP3A	X	-2.726	3.41
41	MP3A	Z	-1.574	3.41
42	MP3A	Mx	.002	3.41
43	MP3B	X	-5.015	2.41
44	MP3B	Z	-2.895	2.41
45	MP3B	Mx	0	2.41
46	MP3B	X	-5.015	3.41
47	MP3B	Z	-2.895	3.41
48	MP3B	Mx	0	3.41
49	MP3C	X	-2.726	2.41
50	MP3C	Z	-1.574	2.41
51	MP3C	Mx	-.002	2.41
52	MP3C	X	-2.726	3.41
53	MP3C	Z	-1.574	3.41
54	MP3C	Mx	-.002	3.41
55	MP2A	X	-.607	2.5
56	MP2A	Z	-.35	2.5
57	MP2A	Mx	-.000304	2.5
58	MP2B	X	-.79	2.5
59	MP2B	Z	-.456	2.5
60	MP2B	Mx	0	2.5
61	MP2C	X	-.607	2.5
62	MP2C	Z	-.35	2.5
63	MP2C	Mx	.000303	2.5
64	MP3A	X	-2.998	4
65	MP3A	Z	-1.731	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-3.99	4
68	MP3B	Z	-2.304	4
69	MP3B	Mx	0	4
70	MP3C	X	-2.998	4
71	MP3C	Z	-1.731	4
72	MP3C	Mx	.001	4
73	MP2A	X	-2.618	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-1.511	4
75	MP2A	Mx	-.001	4
76	MP2B	X	-3.99	4
77	MP2B	Z	-2.304	4
78	MP2B	Mx	0	4
79	MP2C	X	-2.618	4
80	MP2C	Z	-1.511	4
81	MP2C	Mx	.001	4
82	MP1A	X	-7.375	.67
83	MP1A	Z	-4.258	.67
84	MP1A	Mx	.006	.67
85	MP1A	X	-7.375	5.67
86	MP1A	Z	-4.258	5.67
87	MP1A	Mx	.006	5.67
88	MP1B	X	-9.848	.67
89	MP1B	Z	-5.686	.67
90	MP1B	Mx	0	.67
91	MP1B	X	-9.848	5.67
92	MP1B	Z	-5.686	5.67
93	MP1B	Mx	0	5.67
94	MP1C	X	-7.375	.67
95	MP1C	Z	-4.258	.67
96	MP1C	Mx	-.006	.67
97	MP1C	X	-7.375	5.67
98	MP1C	Z	-4.258	5.67
99	MP1C	Mx	-.006	5.67
100	OVP	X	-5.509	1
101	OVP	Z	-3.181	1
102	OVP	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.13	1.25
2	MP2A	Z	-8.886	1.25
3	MP2A	Mx	-.002	1.25
4	MP2A	X	-5.13	5.25
5	MP2A	Z	-8.886	5.25
6	MP2A	Mx	-.002	5.25
7	MP2B	X	-5.13	1.25
8	MP2B	Z	-8.886	1.25
9	MP2B	Mx	.01	1.25
10	MP2B	X	-5.13	5.25
11	MP2B	Z	-8.886	5.25
12	MP2B	Mx	.01	5.25
13	MP2C	X	-3.686	1.25
14	MP2C	Z	-6.384	1.25
15	MP2C	Mx	-.006	1.25
16	MP2C	X	-3.686	5.25
17	MP2C	Z	-6.384	5.25
18	MP2C	Mx	-.006	5.25
19	MP2A	X	-5.13	1.25
20	MP2A	Z	-8.886	1.25
21	MP2A	Mx	.01	1.25
22	MP2A	X	-5.13	5.25
23	MP2A	Z	-8.886	5.25
24	MP2A	Mx	.01	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-5.13	1.25
26	MP2B	Z	-8.886	1.25
27	MP2B	Mx	-.002	1.25
28	MP2B	X	-5.13	5.25
29	MP2B	Z	-8.886	5.25
30	MP2B	Mx	-.002	5.25
31	MP2C	X	-3.686	1.25
32	MP2C	Z	-6.384	1.25
33	MP2C	Mx	-.006	1.25
34	MP2C	X	-3.686	5.25
35	MP2C	Z	-6.384	5.25
36	MP2C	Mx	-.006	5.25
37	MP3A	X	-2.455	2.41
38	MP3A	Z	-4.252	2.41
39	MP3A	Mx	.002	2.41
40	MP3A	X	-2.455	3.41
41	MP3A	Z	-4.252	3.41
42	MP3A	Mx	.002	3.41
43	MP3B	X	-2.455	2.41
44	MP3B	Z	-4.252	2.41
45	MP3B	Mx	.002	2.41
46	MP3B	X	-2.455	3.41
47	MP3B	Z	-4.252	3.41
48	MP3B	Mx	.002	3.41
49	MP3C	X	-1.133	2.41
50	MP3C	Z	-1.963	2.41
51	MP3C	Mx	-.002	2.41
52	MP3C	X	-1.133	3.41
53	MP3C	Z	-1.963	3.41
54	MP3C	Mx	-.002	3.41
55	MP2A	X	-.421	2.5
56	MP2A	Z	-.729	2.5
57	MP2A	Mx	-.00021	2.5
58	MP2B	X	-.421	2.5
59	MP2B	Z	-.729	2.5
60	MP2B	Mx	-.00021	2.5
61	MP2C	X	-.315	2.5
62	MP2C	Z	-.546	2.5
63	MP2C	Mx	.000315	2.5
64	MP3A	X	-2.113	4
65	MP3A	Z	-3.66	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-2.113	4
68	MP3B	Z	-3.66	4
69	MP3B	Mx	-.001	4
70	MP3C	X	-1.54	4
71	MP3C	Z	-2.667	4
72	MP3C	Mx	.002	4
73	MP2A	X	-2.04	4
74	MP2A	Z	-3.533	4
75	MP2A	Mx	-.001	4
76	MP2B	X	-2.04	4
77	MP2B	Z	-3.533	4
78	MP2B	Mx	-.001	4
79	MP2C	X	-1.247	4
80	MP2C	Z	-2.161	4
81	MP2C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-5.21	.67
83	MP1A	Z	-9.024	.67
84	MP1A	Mx	.004	.67
85	MP1A	X	-5.21	5.67
86	MP1A	Z	-9.024	5.67
87	MP1A	Mx	.004	5.67
88	MP1B	X	-5.21	.67
89	MP1B	Z	-9.024	.67
90	MP1B	Mx	.004	.67
91	MP1B	X	-5.21	5.67
92	MP1B	Z	-9.024	5.67
93	MP1B	Mx	.004	5.67
94	MP1C	X	-3.782	.67
95	MP1C	Z	-6.551	.67
96	MP1C	Mx	-.006	.67
97	MP1C	X	-3.782	5.67
98	MP1C	Z	-6.551	5.67
99	MP1C	Mx	-.006	5.67
100	OVP	X	-4.107	1
101	OVP	Z	-7.114	1
102	OVP	Mx	-.004	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-500	%35

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-500	%64

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.309	-9.309	0	%100
2	M2	Y	-10.28	-10.28	0	%100
3	M5	Y	-9.781	-9.781	0	%100
4	M6	Y	-9.781	-9.781	0	%100
5	M7	Y	-9.781	-9.781	0	%100
6	M6A	Y	-7.368	-7.368	0	%100
7	M7A	Y	-7.368	-7.368	0	%100
8	M23A	Y	-7.368	-7.368	0	%100
9	M24	Y	-7.368	-7.368	0	%100
10	M39A	Y	-7.368	-7.368	0	%100
11	M40	Y	-7.368	-7.368	0	%100
12	M55	Y	-10.28	-10.28	0	%100
13	M56	Y	-10.28	-10.28	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M74A	Y	-9.309	-9.309	0	%100
15	M75A	Y	-9.309	-9.309	0	%100
16	MP4A	Y	-4.804	-4.804	0	%100
17	MP3A	Y	-4.804	-4.804	0	%100
18	MP2A	Y	-4.804	-4.804	0	%100
19	MP1A	Y	-4.804	-4.804	0	%100
20	MP4C	Y	-4.804	-4.804	0	%100
21	MP3C	Y	-4.804	-4.804	0	%100
22	MP2C	Y	-4.804	-4.804	0	%100
23	MP1C	Y	-4.804	-4.804	0	%100
24	MP4B	Y	-4.804	-4.804	0	%100
25	MP3B	Y	-4.804	-4.804	0	%100
26	MP2B	Y	-4.804	-4.804	0	%100
27	MP1B	Y	-4.804	-4.804	0	%100
28	M46	Y	-5.49	-5.49	0	%100
29	M51	Y	-5.49	-5.49	0	%100
30	M56A	Y	-5.49	-5.49	0	%100
31	M67	Y	-7.368	-7.368	0	%100
32	M68	Y	-7.368	-7.368	0	%100
33	M69	Y	-7.368	-7.368	0	%100
34	M70	Y	-6.397	-6.397	0	%100
35	M71	Y	-6.397	-6.397	0	%100
36	M72	Y	-6.397	-6.397	0	%100
37	M73	Y	-6.397	-6.397	0	%100
38	M74	Y	-6.397	-6.397	0	%100
39	M75	Y	-6.397	-6.397	0	%100
40	OVP	Y	-4.804	-4.804	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-12.467	-12.467	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-12.467	-12.467	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-19.712	-19.712	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-19.712	-19.712	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-4.928	-4.928	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-4.928	-4.928	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-4.928	-4.928	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-4.928	-4.928	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-10.977	-10.977	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-10.977	-10.977	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M74A	X	0	0	0	%100
28	M74A	Z	-8.487	-8.487	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-8.487	-8.487	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-9.363	-9.363	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-9.363	-9.363	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-9.363	-9.363	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-9.363	-9.363	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-9.363	-9.363	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-9.363	-9.363	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-9.363	-9.363	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-9.363	-9.363	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-9.363	-9.363	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-9.363	-9.363	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-9.363	-9.363	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-9.363	-9.363	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	-11.334	-11.334	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	-2.834	-2.834	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	-2.834	-2.834	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-3.178	-3.178	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-4.273	-4.273	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-14.82	-14.82	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-8.038	-8.038	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	-8.038	-8.038	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-14.968	-14.968	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-3.583	-3.583	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.583	-3.583	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-14.968	-14.968	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-7.656	-7.656	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.415	1.415	0	%100
2	M1	Z	-2.45	-2.45	0	%100
3	M2	X	1.829	1.829	0	%100
4	M2	Z	-3.169	-3.169	0	%100
5	M5	X	2.078	2.078	0	%100
6	M5	Z	-3.599	-3.599	0	%100
7	M6	X	2.078	2.078	0	%100
8	M6	Z	-3.599	-3.599	0	%100
9	M7	X	8.311	8.311	0	%100
10	M7	Z	-14.395	-14.395	0	%100
11	M6A	X	7.392	7.392	0	%100
12	M6A	Z	-12.803	-12.803	0	%100
13	M7A	X	7.392	7.392	0	%100
14	M7A	Z	-12.803	-12.803	0	%100
15	M23A	X	7.392	7.392	0	%100
16	M23A	Z	-12.803	-12.803	0	%100
17	M24	X	7.392	7.392	0	%100
18	M24	Z	-12.803	-12.803	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	1.829	1.829	0	%100
24	M55	Z	-3.169	-3.169	0	%100
25	M56	X	7.318	7.318	0	%100
26	M56	Z	-12.675	-12.675	0	%100
27	M74A	X	1.415	1.415	0	%100
28	M74A	Z	-2.45	-2.45	0	%100
29	M75A	X	5.658	5.658	0	%100
30	M75A	Z	-9.8	-9.8	0	%100
31	MP4A	X	4.682	4.682	0	%100
32	MP4A	Z	-8.109	-8.109	0	%100
33	MP3A	X	4.682	4.682	0	%100
34	MP3A	Z	-8.109	-8.109	0	%100
35	MP2A	X	4.682	4.682	0	%100
36	MP2A	Z	-8.109	-8.109	0	%100
37	MP1A	X	4.682	4.682	0	%100
38	MP1A	Z	-8.109	-8.109	0	%100
39	MP4C	X	4.682	4.682	0	%100
40	MP4C	Z	-8.109	-8.109	0	%100
41	MP3C	X	4.682	4.682	0	%100
42	MP3C	Z	-8.109	-8.109	0	%100
43	MP2C	X	4.682	4.682	0	%100
44	MP2C	Z	-8.109	-8.109	0	%100
45	MP1C	X	4.682	4.682	0	%100
46	MP1C	Z	-8.109	-8.109	0	%100
47	MP4B	X	4.682	4.682	0	%100
48	MP4B	Z	-8.109	-8.109	0	%100
49	MP3B	X	4.682	4.682	0	%100
50	MP3B	Z	-8.109	-8.109	0	%100
51	MP2B	X	4.682	4.682	0	%100
52	MP2B	Z	-8.109	-8.109	0	%100
53	MP1B	X	4.682	4.682	0	%100
54	MP1B	Z	-8.109	-8.109	0	%100
55	M46	X	4.25	4.25	0	%100
56	M46	Z	-7.362	-7.362	0	%100
57	M51	X	4.25	4.25	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M51	Z	-7.362	-7.362	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	5.287	5.287	0	%100
62	M67	Z	-9.157	-9.157	0	%100
63	M68	X	.013	.013	0	%100
64	M68	Z	-.023	-.023	0	%100
65	M69	X	5.835	5.835	0	%100
66	M69	Z	-10.106	-10.106	0	%100
67	M70	X	1.379	1.379	0	%100
68	M70	Z	-2.388	-2.388	0	%100
69	M71	X	7.071	7.071	0	%100
70	M71	Z	-12.248	-12.248	0	%100
71	M72	X	7.071	7.071	0	%100
72	M72	Z	-12.248	-12.248	0	%100
73	M73	X	1.379	1.379	0	%100
74	M73	Z	-2.388	-2.388	0	%100
75	M74	X	4.844	4.844	0	%100
76	M74	Z	-8.39	-8.39	0	%100
77	M75	X	4.844	4.844	0	%100
78	M75	Z	-8.39	-8.39	0	%100
79	OVP	X	3.828	3.828	0	%100
80	OVP	Z	-6.631	-6.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.35	7.35	0	%100
2	M1	Z	-4.244	-4.244	0	%100
3	M2	X	9.506	9.506	0	%100
4	M2	Z	-5.488	-5.488	0	%100
5	M5	X	10.797	10.797	0	%100
6	M5	Z	-6.233	-6.233	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	10.797	10.797	0	%100
10	M7	Z	-6.233	-6.233	0	%100
11	M6A	X	4.268	4.268	0	%100
12	M6A	Z	-2.464	-2.464	0	%100
13	M7A	X	4.268	4.268	0	%100
14	M7A	Z	-2.464	-2.464	0	%100
15	M23A	X	17.071	17.071	0	%100
16	M23A	Z	-9.856	-9.856	0	%100
17	M24	X	17.071	17.071	0	%100
18	M24	Z	-9.856	-9.856	0	%100
19	M39A	X	4.268	4.268	0	%100
20	M39A	Z	-2.464	-2.464	0	%100
21	M40	X	4.268	4.268	0	%100
22	M40	Z	-2.464	-2.464	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	9.506	9.506	0	%100
26	M56	Z	-5.488	-5.488	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	7.35	7.35	0	%100
30	M75A	Z	-4.244	-4.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP4A	X	8.109	8.109	0	%100
32	MP4A	Z	-4.682	-4.682	0	%100
33	MP3A	X	8.109	8.109	0	%100
34	MP3A	Z	-4.682	-4.682	0	%100
35	MP2A	X	8.109	8.109	0	%100
36	MP2A	Z	-4.682	-4.682	0	%100
37	MP1A	X	8.109	8.109	0	%100
38	MP1A	Z	-4.682	-4.682	0	%100
39	MP4C	X	8.109	8.109	0	%100
40	MP4C	Z	-4.682	-4.682	0	%100
41	MP3C	X	8.109	8.109	0	%100
42	MP3C	Z	-4.682	-4.682	0	%100
43	MP2C	X	8.109	8.109	0	%100
44	MP2C	Z	-4.682	-4.682	0	%100
45	MP1C	X	8.109	8.109	0	%100
46	MP1C	Z	-4.682	-4.682	0	%100
47	MP4B	X	8.109	8.109	0	%100
48	MP4B	Z	-4.682	-4.682	0	%100
49	MP3B	X	8.109	8.109	0	%100
50	MP3B	Z	-4.682	-4.682	0	%100
51	MP2B	X	8.109	8.109	0	%100
52	MP2B	Z	-4.682	-4.682	0	%100
53	MP1B	X	8.109	8.109	0	%100
54	MP1B	Z	-4.682	-4.682	0	%100
55	M46	X	2.454	2.454	0	%100
56	M46	Z	-1.417	-1.417	0	%100
57	M51	X	9.816	9.816	0	%100
58	M51	Z	-5.667	-5.667	0	%100
59	M56A	X	2.454	2.454	0	%100
60	M56A	Z	-1.417	-1.417	0	%100
61	M67	X	12.835	12.835	0	%100
62	M67	Z	-7.41	-7.41	0	%100
63	M68	X	2.752	2.752	0	%100
64	M68	Z	-1.589	-1.589	0	%100
65	M69	X	3.701	3.701	0	%100
66	M69	Z	-2.137	-2.137	0	%100
67	M70	X	3.103	3.103	0	%100
68	M70	Z	-1.791	-1.791	0	%100
69	M71	X	12.962	12.962	0	%100
70	M71	Z	-7.484	-7.484	0	%100
71	M72	X	6.961	6.961	0	%100
72	M72	Z	-4.019	-4.019	0	%100
73	M73	X	6.961	6.961	0	%100
74	M73	Z	-4.019	-4.019	0	%100
75	M74	X	12.962	12.962	0	%100
76	M74	Z	-7.484	-7.484	0	%100
77	M75	X	3.103	3.103	0	%100
78	M75	Z	-1.791	-1.791	0	%100
79	OVP	X	6.631	6.631	0	%100
80	OVP	Z	-3.828	-3.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	11.316	11.316	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	14.636	14.636	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	0	0	0	%100
5	M5	X	16.622	16.622	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	4.156	4.156	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	4.156	4.156	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	14.784	14.784	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	14.784	14.784	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	14.784	14.784	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	14.784	14.784	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	3.659	3.659	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	3.659	3.659	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	2.829	2.829	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	2.829	2.829	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	9.363	9.363	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	9.363	9.363	0	%100
34	MP3A	Z	0	0	0	%100
35	MP2A	X	9.363	9.363	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	9.363	9.363	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	9.363	9.363	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	9.363	9.363	0	%100
42	MP3C	Z	0	0	0	%100
43	MP2C	X	9.363	9.363	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	9.363	9.363	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	9.363	9.363	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	9.363	9.363	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	9.363	9.363	0	%100
52	MP2B	Z	0	0	0	%100
53	MP1B	X	9.363	9.363	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	8.501	8.501	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	8.501	8.501	0	%100
60	M56A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M67	X	11.67	11.67	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	10.574	10.574	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	.027	.027	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	9.688	9.688	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	9.688	9.688	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	2.758	2.758	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	14.143	14.143	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	14.143	14.143	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	2.758	2.758	0	%100
78	M75	Z	0	0	0	%100
79	OVP	X	7.656	7.656	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.35	7.35	0	%100
2	M1	Z	4.244	4.244	0	%100
3	M2	X	9.506	9.506	0	%100
4	M2	Z	5.488	5.488	0	%100
5	M5	X	10.797	10.797	0	%100
6	M5	Z	6.233	6.233	0	%100
7	M6	X	10.797	10.797	0	%100
8	M6	Z	6.233	6.233	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	4.268	4.268	0	%100
12	M6A	Z	2.464	2.464	0	%100
13	M7A	X	4.268	4.268	0	%100
14	M7A	Z	2.464	2.464	0	%100
15	M23A	X	4.268	4.268	0	%100
16	M23A	Z	2.464	2.464	0	%100
17	M24	X	4.268	4.268	0	%100
18	M24	Z	2.464	2.464	0	%100
19	M39A	X	17.071	17.071	0	%100
20	M39A	Z	9.856	9.856	0	%100
21	M40	X	17.071	17.071	0	%100
22	M40	Z	9.856	9.856	0	%100
23	M55	X	9.506	9.506	0	%100
24	M55	Z	5.488	5.488	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	7.35	7.35	0	%100
28	M74A	Z	4.244	4.244	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	8.109	8.109	0	%100
32	MP4A	Z	4.682	4.682	0	%100
33	MP3A	X	8.109	8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP3A	Z	4.682	4.682	0	%100
35	MP2A	X	8.109	8.109	0	%100
36	MP2A	Z	4.682	4.682	0	%100
37	MP1A	X	8.109	8.109	0	%100
38	MP1A	Z	4.682	4.682	0	%100
39	MP4C	X	8.109	8.109	0	%100
40	MP4C	Z	4.682	4.682	0	%100
41	MP3C	X	8.109	8.109	0	%100
42	MP3C	Z	4.682	4.682	0	%100
43	MP2C	X	8.109	8.109	0	%100
44	MP2C	Z	4.682	4.682	0	%100
45	MP1C	X	8.109	8.109	0	%100
46	MP1C	Z	4.682	4.682	0	%100
47	MP4B	X	8.109	8.109	0	%100
48	MP4B	Z	4.682	4.682	0	%100
49	MP3B	X	8.109	8.109	0	%100
50	MP3B	Z	4.682	4.682	0	%100
51	MP2B	X	8.109	8.109	0	%100
52	MP2B	Z	4.682	4.682	0	%100
53	MP1B	X	8.109	8.109	0	%100
54	MP1B	Z	4.682	4.682	0	%100
55	M46	X	2.454	2.454	0	%100
56	M46	Z	1.417	1.417	0	%100
57	M51	X	2.454	2.454	0	%100
58	M51	Z	1.417	1.417	0	%100
59	M56A	X	9.816	9.816	0	%100
60	M56A	Z	5.667	5.667	0	%100
61	M67	X	3.701	3.701	0	%100
62	M67	Z	2.137	2.137	0	%100
63	M68	X	12.835	12.835	0	%100
64	M68	Z	7.41	7.41	0	%100
65	M69	X	2.752	2.752	0	%100
66	M69	Z	1.589	1.589	0	%100
67	M70	X	12.962	12.962	0	%100
68	M70	Z	7.484	7.484	0	%100
69	M71	X	3.103	3.103	0	%100
70	M71	Z	1.791	1.791	0	%100
71	M72	X	3.103	3.103	0	%100
72	M72	Z	1.791	1.791	0	%100
73	M73	X	12.962	12.962	0	%100
74	M73	Z	7.484	7.484	0	%100
75	M74	X	6.961	6.961	0	%100
76	M74	Z	4.019	4.019	0	%100
77	M75	X	6.961	6.961	0	%100
78	M75	Z	4.019	4.019	0	%100
79	OVP	X	6.631	6.631	0	%100
80	OVP	Z	3.828	3.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.415	1.415	0	%100
2	M1	Z	2.45	2.45	0	%100
3	M2	X	1.829	1.829	0	%100
4	M2	Z	3.169	3.169	0	%100
5	M5	X	2.078	2.078	0	%100
6	M5	Z	3.599	3.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M6	X	8.311	8.311	0	%100
8	M6	Z	14.395	14.395	0	%100
9	M7	X	2.078	2.078	0	%100
10	M7	Z	3.599	3.599	0	%100
11	M6A	X	7.392	7.392	0	%100
12	M6A	Z	12.803	12.803	0	%100
13	M7A	X	7.392	7.392	0	%100
14	M7A	Z	12.803	12.803	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	7.392	7.392	0	%100
20	M39A	Z	12.803	12.803	0	%100
21	M40	X	7.392	7.392	0	%100
22	M40	Z	12.803	12.803	0	%100
23	M55	X	7.318	7.318	0	%100
24	M55	Z	12.675	12.675	0	%100
25	M56	X	1.829	1.829	0	%100
26	M56	Z	3.169	3.169	0	%100
27	M74A	X	5.658	5.658	0	%100
28	M74A	Z	9.8	9.8	0	%100
29	M75A	X	1.415	1.415	0	%100
30	M75A	Z	2.45	2.45	0	%100
31	MP4A	X	4.682	4.682	0	%100
32	MP4A	Z	8.109	8.109	0	%100
33	MP3A	X	4.682	4.682	0	%100
34	MP3A	Z	8.109	8.109	0	%100
35	MP2A	X	4.682	4.682	0	%100
36	MP2A	Z	8.109	8.109	0	%100
37	MP1A	X	4.682	4.682	0	%100
38	MP1A	Z	8.109	8.109	0	%100
39	MP4C	X	4.682	4.682	0	%100
40	MP4C	Z	8.109	8.109	0	%100
41	MP3C	X	4.682	4.682	0	%100
42	MP3C	Z	8.109	8.109	0	%100
43	MP2C	X	4.682	4.682	0	%100
44	MP2C	Z	8.109	8.109	0	%100
45	MP1C	X	4.682	4.682	0	%100
46	MP1C	Z	8.109	8.109	0	%100
47	MP4B	X	4.682	4.682	0	%100
48	MP4B	Z	8.109	8.109	0	%100
49	MP3B	X	4.682	4.682	0	%100
50	MP3B	Z	8.109	8.109	0	%100
51	MP2B	X	4.682	4.682	0	%100
52	MP2B	Z	8.109	8.109	0	%100
53	MP1B	X	4.682	4.682	0	%100
54	MP1B	Z	8.109	8.109	0	%100
55	M46	X	4.25	4.25	0	%100
56	M46	Z	7.362	7.362	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	4.25	4.25	0	%100
60	M56A	Z	7.362	7.362	0	%100
61	M67	X	.013	.013	0	%100
62	M67	Z	.023	.023	0	%100
63	M68	X	5.835	5.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	10.106	10.106	0	%100
65	M69	X	5.287	5.287	0	%100
66	M69	Z	9.157	9.157	0	%100
67	M70	X	7.071	7.071	0	%100
68	M70	Z	12.248	12.248	0	%100
69	M71	X	1.379	1.379	0	%100
70	M71	Z	2.388	2.388	0	%100
71	M72	X	4.844	4.844	0	%100
72	M72	Z	8.39	8.39	0	%100
73	M73	X	4.844	4.844	0	%100
74	M73	Z	8.39	8.39	0	%100
75	M74	X	1.379	1.379	0	%100
76	M74	Z	2.388	2.388	0	%100
77	M75	X	7.071	7.071	0	%100
78	M75	Z	12.248	12.248	0	%100
79	OVP	X	3.828	3.828	0	%100
80	OVP	Z	6.631	6.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	12.467	12.467	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	12.467	12.467	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	19.712	19.712	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	19.712	19.712	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	4.928	4.928	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	4.928	4.928	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	4.928	4.928	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	4.928	4.928	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	10.977	10.977	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	10.977	10.977	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	8.487	8.487	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	8.487	8.487	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	9.363	9.363	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	9.363	9.363	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	9.363	9.363	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1A	X	0	0	0	%100
38	MP1A	Z	9.363	9.363	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	9.363	9.363	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	9.363	9.363	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	9.363	9.363	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	9.363	9.363	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	9.363	9.363	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	9.363	9.363	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	9.363	9.363	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	9.363	9.363	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	11.334	11.334	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	2.834	2.834	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	2.834	2.834	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	3.178	3.178	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	4.273	4.273	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	14.82	14.82	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	8.038	8.038	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	8.038	8.038	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	14.968	14.968	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	3.583	3.583	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.583	3.583	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	14.968	14.968	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	7.656	7.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.415	-1.415	0	%100
2	M1	Z	2.45	2.45	0	%100
3	M2	X	-1.829	-1.829	0	%100
4	M2	Z	3.169	3.169	0	%100
5	M5	X	-2.078	-2.078	0	%100
6	M5	Z	3.599	3.599	0	%100
7	M6	X	-2.078	-2.078	0	%100
8	M6	Z	3.599	3.599	0	%100
9	M7	X	-8.311	-8.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M7	Z	14.395	14.395	0	%100
11	M6A	X	-7.392	-7.392	0	%100
12	M6A	Z	12.803	12.803	0	%100
13	M7A	X	-7.392	-7.392	0	%100
14	M7A	Z	12.803	12.803	0	%100
15	M23A	X	-7.392	-7.392	0	%100
16	M23A	Z	12.803	12.803	0	%100
17	M24	X	-7.392	-7.392	0	%100
18	M24	Z	12.803	12.803	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-1.829	-1.829	0	%100
24	M55	Z	3.169	3.169	0	%100
25	M56	X	-7.318	-7.318	0	%100
26	M56	Z	12.675	12.675	0	%100
27	M74A	X	-1.415	-1.415	0	%100
28	M74A	Z	2.45	2.45	0	%100
29	M75A	X	-5.658	-5.658	0	%100
30	M75A	Z	9.8	9.8	0	%100
31	MP4A	X	-4.682	-4.682	0	%100
32	MP4A	Z	8.109	8.109	0	%100
33	MP3A	X	-4.682	-4.682	0	%100
34	MP3A	Z	8.109	8.109	0	%100
35	MP2A	X	-4.682	-4.682	0	%100
36	MP2A	Z	8.109	8.109	0	%100
37	MP1A	X	-4.682	-4.682	0	%100
38	MP1A	Z	8.109	8.109	0	%100
39	MP4C	X	-4.682	-4.682	0	%100
40	MP4C	Z	8.109	8.109	0	%100
41	MP3C	X	-4.682	-4.682	0	%100
42	MP3C	Z	8.109	8.109	0	%100
43	MP2C	X	-4.682	-4.682	0	%100
44	MP2C	Z	8.109	8.109	0	%100
45	MP1C	X	-4.682	-4.682	0	%100
46	MP1C	Z	8.109	8.109	0	%100
47	MP4B	X	-4.682	-4.682	0	%100
48	MP4B	Z	8.109	8.109	0	%100
49	MP3B	X	-4.682	-4.682	0	%100
50	MP3B	Z	8.109	8.109	0	%100
51	MP2B	X	-4.682	-4.682	0	%100
52	MP2B	Z	8.109	8.109	0	%100
53	MP1B	X	-4.682	-4.682	0	%100
54	MP1B	Z	8.109	8.109	0	%100
55	M46	X	-4.25	-4.25	0	%100
56	M46	Z	7.362	7.362	0	%100
57	M51	X	-4.25	-4.25	0	%100
58	M51	Z	7.362	7.362	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-5.287	-5.287	0	%100
62	M67	Z	9.157	9.157	0	%100
63	M68	X	-.013	-.013	0	%100
64	M68	Z	.023	.023	0	%100
65	M69	X	-5.835	-5.835	0	%100
66	M69	Z	10.106	10.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M70	X	-1.379	-1.379	0	%100
68	M70	Z	2.388	2.388	0	%100
69	M71	X	-7.071	-7.071	0	%100
70	M71	Z	12.248	12.248	0	%100
71	M72	X	-7.071	-7.071	0	%100
72	M72	Z	12.248	12.248	0	%100
73	M73	X	-1.379	-1.379	0	%100
74	M73	Z	2.388	2.388	0	%100
75	M74	X	-4.844	-4.844	0	%100
76	M74	Z	8.39	8.39	0	%100
77	M75	X	-4.844	-4.844	0	%100
78	M75	Z	8.39	8.39	0	%100
79	OVP	X	-3.828	-3.828	0	%100
80	OVP	Z	6.631	6.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.35	-7.35	0	%100
2	M1	Z	4.244	4.244	0	%100
3	M2	X	-9.506	-9.506	0	%100
4	M2	Z	5.488	5.488	0	%100
5	M5	X	-10.797	-10.797	0	%100
6	M5	Z	6.233	6.233	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-10.797	-10.797	0	%100
10	M7	Z	6.233	6.233	0	%100
11	M6A	X	-4.268	-4.268	0	%100
12	M6A	Z	2.464	2.464	0	%100
13	M7A	X	-4.268	-4.268	0	%100
14	M7A	Z	2.464	2.464	0	%100
15	M23A	X	-17.071	-17.071	0	%100
16	M23A	Z	9.856	9.856	0	%100
17	M24	X	-17.071	-17.071	0	%100
18	M24	Z	9.856	9.856	0	%100
19	M39A	X	-4.268	-4.268	0	%100
20	M39A	Z	2.464	2.464	0	%100
21	M40	X	-4.268	-4.268	0	%100
22	M40	Z	2.464	2.464	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-9.506	-9.506	0	%100
26	M56	Z	5.488	5.488	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-7.35	-7.35	0	%100
30	M75A	Z	4.244	4.244	0	%100
31	MP4A	X	-8.109	-8.109	0	%100
32	MP4A	Z	4.682	4.682	0	%100
33	MP3A	X	-8.109	-8.109	0	%100
34	MP3A	Z	4.682	4.682	0	%100
35	MP2A	X	-8.109	-8.109	0	%100
36	MP2A	Z	4.682	4.682	0	%100
37	MP1A	X	-8.109	-8.109	0	%100
38	MP1A	Z	4.682	4.682	0	%100
39	MP4C	X	-8.109	-8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP4C	Z	4.682	4.682	0	%100
41	MP3C	X	-8.109	-8.109	0	%100
42	MP3C	Z	4.682	4.682	0	%100
43	MP2C	X	-8.109	-8.109	0	%100
44	MP2C	Z	4.682	4.682	0	%100
45	MP1C	X	-8.109	-8.109	0	%100
46	MP1C	Z	4.682	4.682	0	%100
47	MP4B	X	-8.109	-8.109	0	%100
48	MP4B	Z	4.682	4.682	0	%100
49	MP3B	X	-8.109	-8.109	0	%100
50	MP3B	Z	4.682	4.682	0	%100
51	MP2B	X	-8.109	-8.109	0	%100
52	MP2B	Z	4.682	4.682	0	%100
53	MP1B	X	-8.109	-8.109	0	%100
54	MP1B	Z	4.682	4.682	0	%100
55	M46	X	-2.454	-2.454	0	%100
56	M46	Z	1.417	1.417	0	%100
57	M51	X	-9.816	-9.816	0	%100
58	M51	Z	5.667	5.667	0	%100
59	M56A	X	-2.454	-2.454	0	%100
60	M56A	Z	1.417	1.417	0	%100
61	M67	X	-12.835	-12.835	0	%100
62	M67	Z	7.41	7.41	0	%100
63	M68	X	-2.752	-2.752	0	%100
64	M68	Z	1.589	1.589	0	%100
65	M69	X	-3.701	-3.701	0	%100
66	M69	Z	2.137	2.137	0	%100
67	M70	X	-3.103	-3.103	0	%100
68	M70	Z	1.791	1.791	0	%100
69	M71	X	-12.962	-12.962	0	%100
70	M71	Z	7.484	7.484	0	%100
71	M72	X	-6.961	-6.961	0	%100
72	M72	Z	4.019	4.019	0	%100
73	M73	X	-6.961	-6.961	0	%100
74	M73	Z	4.019	4.019	0	%100
75	M74	X	-12.962	-12.962	0	%100
76	M74	Z	7.484	7.484	0	%100
77	M75	X	-3.103	-3.103	0	%100
78	M75	Z	1.791	1.791	0	%100
79	OVP	X	-6.631	-6.631	0	%100
80	OVP	Z	3.828	3.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-11.316	-11.316	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-14.636	-14.636	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-16.622	-16.622	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-4.156	-4.156	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-4.156	-4.156	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-14.784	-14.784	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-14.784	-14.784	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-14.784	-14.784	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-14.784	-14.784	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-3.659	-3.659	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-3.659	-3.659	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-2.829	-2.829	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-2.829	-2.829	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-9.363	-9.363	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	-9.363	-9.363	0	%100
34	MP3A	Z	0	0	0	%100
35	MP2A	X	-9.363	-9.363	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	-9.363	-9.363	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	-9.363	-9.363	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-9.363	-9.363	0	%100
42	MP3C	Z	0	0	0	%100
43	MP2C	X	-9.363	-9.363	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	-9.363	-9.363	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	-9.363	-9.363	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-9.363	-9.363	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	-9.363	-9.363	0	%100
52	MP2B	Z	0	0	0	%100
53	MP1B	X	-9.363	-9.363	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	-8.501	-8.501	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	-8.501	-8.501	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-11.67	-11.67	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	-10.574	-10.574	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-.027	-.027	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-9.688	-9.688	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-9.688	-9.688	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M71	Z	0	0	0	%100
71	M72	X	-2.758	-2.758	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-14.143	-14.143	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-14.143	-14.143	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-2.758	-2.758	0	%100
78	M75	Z	0	0	0	%100
79	OVP	X	-7.656	-7.656	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.35	-7.35	0	%100
2	M1	Z	-4.244	-4.244	0	%100
3	M2	X	-9.506	-9.506	0	%100
4	M2	Z	-5.488	-5.488	0	%100
5	M5	X	-10.797	-10.797	0	%100
6	M5	Z	-6.233	-6.233	0	%100
7	M6	X	-10.797	-10.797	0	%100
8	M6	Z	-6.233	-6.233	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-4.268	-4.268	0	%100
12	M6A	Z	-2.464	-2.464	0	%100
13	M7A	X	-4.268	-4.268	0	%100
14	M7A	Z	-2.464	-2.464	0	%100
15	M23A	X	-4.268	-4.268	0	%100
16	M23A	Z	-2.464	-2.464	0	%100
17	M24	X	-4.268	-4.268	0	%100
18	M24	Z	-2.464	-2.464	0	%100
19	M39A	X	-17.071	-17.071	0	%100
20	M39A	Z	-9.856	-9.856	0	%100
21	M40	X	-17.071	-17.071	0	%100
22	M40	Z	-9.856	-9.856	0	%100
23	M55	X	-9.506	-9.506	0	%100
24	M55	Z	-5.488	-5.488	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-7.35	-7.35	0	%100
28	M74A	Z	-4.244	-4.244	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-8.109	-8.109	0	%100
32	MP4A	Z	-4.682	-4.682	0	%100
33	MP3A	X	-8.109	-8.109	0	%100
34	MP3A	Z	-4.682	-4.682	0	%100
35	MP2A	X	-8.109	-8.109	0	%100
36	MP2A	Z	-4.682	-4.682	0	%100
37	MP1A	X	-8.109	-8.109	0	%100
38	MP1A	Z	-4.682	-4.682	0	%100
39	MP4C	X	-8.109	-8.109	0	%100
40	MP4C	Z	-4.682	-4.682	0	%100
41	MP3C	X	-8.109	-8.109	0	%100
42	MP3C	Z	-4.682	-4.682	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP2C	X	-8.109	-8.109	0	%100
44	MP2C	Z	-4.682	-4.682	0	%100
45	MP1C	X	-8.109	-8.109	0	%100
46	MP1C	Z	-4.682	-4.682	0	%100
47	MP4B	X	-8.109	-8.109	0	%100
48	MP4B	Z	-4.682	-4.682	0	%100
49	MP3B	X	-8.109	-8.109	0	%100
50	MP3B	Z	-4.682	-4.682	0	%100
51	MP2B	X	-8.109	-8.109	0	%100
52	MP2B	Z	-4.682	-4.682	0	%100
53	MP1B	X	-8.109	-8.109	0	%100
54	MP1B	Z	-4.682	-4.682	0	%100
55	M46	X	-2.454	-2.454	0	%100
56	M46	Z	-1.417	-1.417	0	%100
57	M51	X	-2.454	-2.454	0	%100
58	M51	Z	-1.417	-1.417	0	%100
59	M56A	X	-9.816	-9.816	0	%100
60	M56A	Z	-5.667	-5.667	0	%100
61	M67	X	-3.701	-3.701	0	%100
62	M67	Z	-2.137	-2.137	0	%100
63	M68	X	-12.835	-12.835	0	%100
64	M68	Z	-7.41	-7.41	0	%100
65	M69	X	-2.752	-2.752	0	%100
66	M69	Z	-1.589	-1.589	0	%100
67	M70	X	-12.962	-12.962	0	%100
68	M70	Z	-7.484	-7.484	0	%100
69	M71	X	-3.103	-3.103	0	%100
70	M71	Z	-1.791	-1.791	0	%100
71	M72	X	-3.103	-3.103	0	%100
72	M72	Z	-1.791	-1.791	0	%100
73	M73	X	-12.962	-12.962	0	%100
74	M73	Z	-7.484	-7.484	0	%100
75	M74	X	-6.961	-6.961	0	%100
76	M74	Z	-4.019	-4.019	0	%100
77	M75	X	-6.961	-6.961	0	%100
78	M75	Z	-4.019	-4.019	0	%100
79	OVP	X	-6.631	-6.631	0	%100
80	OVP	Z	-3.828	-3.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.415	-1.415	0	%100
2	M1	Z	-2.45	-2.45	0	%100
3	M2	X	-1.829	-1.829	0	%100
4	M2	Z	-3.169	-3.169	0	%100
5	M5	X	-2.078	-2.078	0	%100
6	M5	Z	-3.599	-3.599	0	%100
7	M6	X	-8.311	-8.311	0	%100
8	M6	Z	-14.395	-14.395	0	%100
9	M7	X	-2.078	-2.078	0	%100
10	M7	Z	-3.599	-3.599	0	%100
11	M6A	X	-7.392	-7.392	0	%100
12	M6A	Z	-12.803	-12.803	0	%100
13	M7A	X	-7.392	-7.392	0	%100
14	M7A	Z	-12.803	-12.803	0	%100
15	M23A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-7.392	-7.392	0	%100
20	M39A	Z	-12.803	-12.803	0	%100
21	M40	X	-7.392	-7.392	0	%100
22	M40	Z	-12.803	-12.803	0	%100
23	M55	X	-7.318	-7.318	0	%100
24	M55	Z	-12.675	-12.675	0	%100
25	M56	X	-1.829	-1.829	0	%100
26	M56	Z	-3.169	-3.169	0	%100
27	M74A	X	-5.658	-5.658	0	%100
28	M74A	Z	-9.8	-9.8	0	%100
29	M75A	X	-1.415	-1.415	0	%100
30	M75A	Z	-2.45	-2.45	0	%100
31	MP4A	X	-4.682	-4.682	0	%100
32	MP4A	Z	-8.109	-8.109	0	%100
33	MP3A	X	-4.682	-4.682	0	%100
34	MP3A	Z	-8.109	-8.109	0	%100
35	MP2A	X	-4.682	-4.682	0	%100
36	MP2A	Z	-8.109	-8.109	0	%100
37	MP1A	X	-4.682	-4.682	0	%100
38	MP1A	Z	-8.109	-8.109	0	%100
39	MP4C	X	-4.682	-4.682	0	%100
40	MP4C	Z	-8.109	-8.109	0	%100
41	MP3C	X	-4.682	-4.682	0	%100
42	MP3C	Z	-8.109	-8.109	0	%100
43	MP2C	X	-4.682	-4.682	0	%100
44	MP2C	Z	-8.109	-8.109	0	%100
45	MP1C	X	-4.682	-4.682	0	%100
46	MP1C	Z	-8.109	-8.109	0	%100
47	MP4B	X	-4.682	-4.682	0	%100
48	MP4B	Z	-8.109	-8.109	0	%100
49	MP3B	X	-4.682	-4.682	0	%100
50	MP3B	Z	-8.109	-8.109	0	%100
51	MP2B	X	-4.682	-4.682	0	%100
52	MP2B	Z	-8.109	-8.109	0	%100
53	MP1B	X	-4.682	-4.682	0	%100
54	MP1B	Z	-8.109	-8.109	0	%100
55	M46	X	-4.25	-4.25	0	%100
56	M46	Z	-7.362	-7.362	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	-4.25	-4.25	0	%100
60	M56A	Z	-7.362	-7.362	0	%100
61	M67	X	-.013	-.013	0	%100
62	M67	Z	-.023	-.023	0	%100
63	M68	X	-5.835	-5.835	0	%100
64	M68	Z	-10.106	-10.106	0	%100
65	M69	X	-5.287	-5.287	0	%100
66	M69	Z	-9.157	-9.157	0	%100
67	M70	X	-7.071	-7.071	0	%100
68	M70	Z	-12.248	-12.248	0	%100
69	M71	X	-1.379	-1.379	0	%100
70	M71	Z	-2.388	-2.388	0	%100
71	M72	X	-4.844	-4.844	0	%100
72	M72	Z	-8.39	-8.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	-4.844	-4.844	0	%100
74	M73	Z	-8.39	-8.39	0	%100
75	M74	X	-1.379	-1.379	0	%100
76	M74	Z	-2.388	-2.388	0	%100
77	M75	X	-7.071	-7.071	0	%100
78	M75	Z	-12.248	-12.248	0	%100
79	OVP	X	-3.828	-3.828	0	%100
80	OVP	Z	-6.631	-6.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-3.229	-3.229	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-3.229	-3.229	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-4.96	-4.96	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-4.96	-4.96	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-1.24	-1.24	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-1.24	-1.24	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-1.24	-1.24	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-1.24	-1.24	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-2.748	-2.748	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-2.748	-2.748	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	-2.226	-2.226	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-2.226	-2.226	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-3.164	-3.164	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-3.164	-3.164	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-3.164	-3.164	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.164	-3.164	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-3.164	-3.164	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-3.164	-3.164	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-3.164	-3.164	0	%100
45	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP1C	Z	-3.164	-3.164	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-3.164	-3.164	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-3.164	-3.164	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-3.164	-3.164	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-3.164	-3.164	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	-3.506	-3.506	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	-.877	-.877	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	-.877	-.877	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-.811	-.811	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-1.091	-1.091	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-3.784	-3.784	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-2.179	-2.179	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	-2.179	-2.179	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-4.058	-4.058	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.971	-.971	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.971	-.971	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-4.058	-4.058	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-2.612	-2.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.371	.371	0	%100
2	M1	Z	-.643	-.643	0	%100
3	M2	X	.458	.458	0	%100
4	M2	Z	-.793	-.793	0	%100
5	M5	X	.538	.538	0	%100
6	M5	Z	-.932	-.932	0	%100
7	M6	X	.538	.538	0	%100
8	M6	Z	-.932	-.932	0	%100
9	M7	X	2.152	2.152	0	%100
10	M7	Z	-3.728	-3.728	0	%100
11	M6A	X	1.86	1.86	0	%100
12	M6A	Z	-3.222	-3.222	0	%100
13	M7A	X	1.86	1.86	0	%100
14	M7A	Z	-3.222	-3.222	0	%100
15	M23A	X	1.86	1.86	0	%100
16	M23A	Z	-3.222	-3.222	0	%100
17	M24	X	1.86	1.86	0	%100
18	M24	Z	-3.222	-3.222	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.458	.458	0	%100
24	M55	Z	-.793	-.793	0	%100
25	M56	X	1.832	1.832	0	%100
26	M56	Z	-3.173	-3.173	0	%100
27	M74A	X	.371	.371	0	%100
28	M74A	Z	-.643	-.643	0	%100
29	M75A	X	1.484	1.484	0	%100
30	M75A	Z	-2.571	-2.571	0	%100
31	MP4A	X	1.582	1.582	0	%100
32	MP4A	Z	-2.74	-2.74	0	%100
33	MP3A	X	1.582	1.582	0	%100
34	MP3A	Z	-2.74	-2.74	0	%100
35	MP2A	X	1.582	1.582	0	%100
36	MP2A	Z	-2.74	-2.74	0	%100
37	MP1A	X	1.582	1.582	0	%100
38	MP1A	Z	-2.74	-2.74	0	%100
39	MP4C	X	1.582	1.582	0	%100
40	MP4C	Z	-2.74	-2.74	0	%100
41	MP3C	X	1.582	1.582	0	%100
42	MP3C	Z	-2.74	-2.74	0	%100
43	MP2C	X	1.582	1.582	0	%100
44	MP2C	Z	-2.74	-2.74	0	%100
45	MP1C	X	1.582	1.582	0	%100
46	MP1C	Z	-2.74	-2.74	0	%100
47	MP4B	X	1.582	1.582	0	%100
48	MP4B	Z	-2.74	-2.74	0	%100
49	MP3B	X	1.582	1.582	0	%100
50	MP3B	Z	-2.74	-2.74	0	%100
51	MP2B	X	1.582	1.582	0	%100
52	MP2B	Z	-2.74	-2.74	0	%100
53	MP1B	X	1.582	1.582	0	%100
54	MP1B	Z	-2.74	-2.74	0	%100
55	M46	X	1.315	1.315	0	%100
56	M46	Z	-2.277	-2.277	0	%100
57	M51	X	1.315	1.315	0	%100
58	M51	Z	-2.277	-2.277	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	1.35	1.35	0	%100
62	M67	Z	-2.338	-2.338	0	%100
63	M68	X	.003	.003	0	%100
64	M68	Z	-.006	-.006	0	%100
65	M69	X	1.49	1.49	0	%100
66	M69	Z	-2.581	-2.581	0	%100
67	M70	X	.374	.374	0	%100
68	M70	Z	-.647	-.647	0	%100
69	M71	X	1.917	1.917	0	%100
70	M71	Z	-3.32	-3.32	0	%100
71	M72	X	1.917	1.917	0	%100
72	M72	Z	-3.32	-3.32	0	%100
73	M73	X	.374	.374	0	%100
74	M73	Z	-.647	-.647	0	%100
75	M74	X	1.313	1.313	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M74	Z	-2.274	-2.274	0	%100
77	M75	X	1.313	1.313	0	%100
78	M75	Z	-2.274	-2.274	0	%100
79	OVP	X	1.306	1.306	0	%100
80	OVP	Z	-2.262	-2.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.928	1.928	0	%100
2	M1	Z	-1.113	-1.113	0	%100
3	M2	X	2.38	2.38	0	%100
4	M2	Z	-1.374	-1.374	0	%100
5	M5	X	2.796	2.796	0	%100
6	M5	Z	-1.614	-1.614	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	2.796	2.796	0	%100
10	M7	Z	-1.614	-1.614	0	%100
11	M6A	X	1.074	1.074	0	%100
12	M6A	Z	-.62	-.62	0	%100
13	M7A	X	1.074	1.074	0	%100
14	M7A	Z	-.62	-.62	0	%100
15	M23A	X	4.296	4.296	0	%100
16	M23A	Z	-2.48	-2.48	0	%100
17	M24	X	4.296	4.296	0	%100
18	M24	Z	-2.48	-2.48	0	%100
19	M39A	X	1.074	1.074	0	%100
20	M39A	Z	-.62	-.62	0	%100
21	M40	X	1.074	1.074	0	%100
22	M40	Z	-.62	-.62	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	2.38	2.38	0	%100
26	M56	Z	-1.374	-1.374	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	1.928	1.928	0	%100
30	M75A	Z	-1.113	-1.113	0	%100
31	MP4A	X	2.74	2.74	0	%100
32	MP4A	Z	-1.582	-1.582	0	%100
33	MP3A	X	2.74	2.74	0	%100
34	MP3A	Z	-1.582	-1.582	0	%100
35	MP2A	X	2.74	2.74	0	%100
36	MP2A	Z	-1.582	-1.582	0	%100
37	MP1A	X	2.74	2.74	0	%100
38	MP1A	Z	-1.582	-1.582	0	%100
39	MP4C	X	2.74	2.74	0	%100
40	MP4C	Z	-1.582	-1.582	0	%100
41	MP3C	X	2.74	2.74	0	%100
42	MP3C	Z	-1.582	-1.582	0	%100
43	MP2C	X	2.74	2.74	0	%100
44	MP2C	Z	-1.582	-1.582	0	%100
45	MP1C	X	2.74	2.74	0	%100
46	MP1C	Z	-1.582	-1.582	0	%100
47	MP4B	X	2.74	2.74	0	%100
48	MP4B	Z	-1.582	-1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	MP3B	X	2.74	2.74	0	%100
50	MP3B	Z	-1.582	-1.582	0	%100
51	MP2B	X	2.74	2.74	0	%100
52	MP2B	Z	-1.582	-1.582	0	%100
53	MP1B	X	2.74	2.74	0	%100
54	MP1B	Z	-1.582	-1.582	0	%100
55	M46	X	.759	.759	0	%100
56	M46	Z	-.438	-.438	0	%100
57	M51	X	3.036	3.036	0	%100
58	M51	Z	-1.753	-1.753	0	%100
59	M56A	X	.759	.759	0	%100
60	M56A	Z	-.438	-.438	0	%100
61	M67	X	3.277	3.277	0	%100
62	M67	Z	-1.892	-1.892	0	%100
63	M68	X	.703	.703	0	%100
64	M68	Z	-.406	-.406	0	%100
65	M69	X	.945	.945	0	%100
66	M69	Z	-.546	-.546	0	%100
67	M70	X	.841	.841	0	%100
68	M70	Z	-.486	-.486	0	%100
69	M71	X	3.514	3.514	0	%100
70	M71	Z	-2.029	-2.029	0	%100
71	M72	X	1.887	1.887	0	%100
72	M72	Z	-1.089	-1.089	0	%100
73	M73	X	1.887	1.887	0	%100
74	M73	Z	-1.089	-1.089	0	%100
75	M74	X	3.514	3.514	0	%100
76	M74	Z	-2.029	-2.029	0	%100
77	M75	X	.841	.841	0	%100
78	M75	Z	-.486	-.486	0	%100
79	OVP	X	2.262	2.262	0	%100
80	OVP	Z	-1.306	-1.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.968	2.968	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.664	3.664	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	4.305	4.305	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	1.076	1.076	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	1.076	1.076	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	3.72	3.72	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	3.72	3.72	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	3.72	3.72	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	3.72	3.72	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M40	Z	0	0	0	%100
23	M55	X	.916	.916	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.916	.916	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.742	.742	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.742	.742	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	3.164	3.164	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	3.164	3.164	0	%100
34	MP3A	Z	0	0	0	%100
35	MP2A	X	3.164	3.164	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	3.164	3.164	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	3.164	3.164	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	3.164	3.164	0	%100
42	MP3C	Z	0	0	0	%100
43	MP2C	X	3.164	3.164	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	3.164	3.164	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	3.164	3.164	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	3.164	3.164	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	3.164	3.164	0	%100
52	MP2B	Z	0	0	0	%100
53	MP1B	X	3.164	3.164	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	2.63	2.63	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	2.63	2.63	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	2.98	2.98	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	2.7	2.7	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	.007	.007	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	2.626	2.626	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	2.626	2.626	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	.748	.748	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	3.834	3.834	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.834	3.834	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.748	.748	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	OVP	X	2.612	2.612	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.928	1.928	0	%100
2	M1	Z	1.113	1.113	0	%100
3	M2	X	2.38	2.38	0	%100
4	M2	Z	1.374	1.374	0	%100
5	M5	X	2.796	2.796	0	%100
6	M5	Z	1.614	1.614	0	%100
7	M6	X	2.796	2.796	0	%100
8	M6	Z	1.614	1.614	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	1.074	1.074	0	%100
12	M6A	Z	.62	.62	0	%100
13	M7A	X	1.074	1.074	0	%100
14	M7A	Z	.62	.62	0	%100
15	M23A	X	1.074	1.074	0	%100
16	M23A	Z	.62	.62	0	%100
17	M24	X	1.074	1.074	0	%100
18	M24	Z	.62	.62	0	%100
19	M39A	X	4.296	4.296	0	%100
20	M39A	Z	2.48	2.48	0	%100
21	M40	X	4.296	4.296	0	%100
22	M40	Z	2.48	2.48	0	%100
23	M55	X	2.38	2.38	0	%100
24	M55	Z	1.374	1.374	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	1.928	1.928	0	%100
28	M74A	Z	1.113	1.113	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	2.74	2.74	0	%100
32	MP4A	Z	1.582	1.582	0	%100
33	MP3A	X	2.74	2.74	0	%100
34	MP3A	Z	1.582	1.582	0	%100
35	MP2A	X	2.74	2.74	0	%100
36	MP2A	Z	1.582	1.582	0	%100
37	MP1A	X	2.74	2.74	0	%100
38	MP1A	Z	1.582	1.582	0	%100
39	MP4C	X	2.74	2.74	0	%100
40	MP4C	Z	1.582	1.582	0	%100
41	MP3C	X	2.74	2.74	0	%100
42	MP3C	Z	1.582	1.582	0	%100
43	MP2C	X	2.74	2.74	0	%100
44	MP2C	Z	1.582	1.582	0	%100
45	MP1C	X	2.74	2.74	0	%100
46	MP1C	Z	1.582	1.582	0	%100
47	MP4B	X	2.74	2.74	0	%100
48	MP4B	Z	1.582	1.582	0	%100
49	MP3B	X	2.74	2.74	0	%100
50	MP3B	Z	1.582	1.582	0	%100
51	MP2B	X	2.74	2.74	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP2B	Z	1.582	1.582	0	%100
53	MP1B	X	2.74	2.74	0	%100
54	MP1B	Z	1.582	1.582	0	%100
55	M46	X	.759	.759	0	%100
56	M46	Z	.438	.438	0	%100
57	M51	X	.759	.759	0	%100
58	M51	Z	.438	.438	0	%100
59	M56A	X	3.036	3.036	0	%100
60	M56A	Z	1.753	1.753	0	%100
61	M67	X	.945	.945	0	%100
62	M67	Z	.546	.546	0	%100
63	M68	X	3.277	3.277	0	%100
64	M68	Z	1.892	1.892	0	%100
65	M69	X	.703	.703	0	%100
66	M69	Z	.406	.406	0	%100
67	M70	X	3.514	3.514	0	%100
68	M70	Z	2.029	2.029	0	%100
69	M71	X	.841	.841	0	%100
70	M71	Z	.486	.486	0	%100
71	M72	X	.841	.841	0	%100
72	M72	Z	.486	.486	0	%100
73	M73	X	3.514	3.514	0	%100
74	M73	Z	2.029	2.029	0	%100
75	M74	X	1.887	1.887	0	%100
76	M74	Z	1.089	1.089	0	%100
77	M75	X	1.887	1.887	0	%100
78	M75	Z	1.089	1.089	0	%100
79	OVP	X	2.262	2.262	0	%100
80	OVP	Z	1.306	1.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.371	.371	0	%100
2	M1	Z	.643	.643	0	%100
3	M2	X	.458	.458	0	%100
4	M2	Z	.793	.793	0	%100
5	M5	X	.538	.538	0	%100
6	M5	Z	.932	.932	0	%100
7	M6	X	2.152	2.152	0	%100
8	M6	Z	3.728	3.728	0	%100
9	M7	X	.538	.538	0	%100
10	M7	Z	.932	.932	0	%100
11	M6A	X	1.86	1.86	0	%100
12	M6A	Z	3.222	3.222	0	%100
13	M7A	X	1.86	1.86	0	%100
14	M7A	Z	3.222	3.222	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	1.86	1.86	0	%100
20	M39A	Z	3.222	3.222	0	%100
21	M40	X	1.86	1.86	0	%100
22	M40	Z	3.222	3.222	0	%100
23	M55	X	1.832	1.832	0	%100
24	M55	Z	3.173	3.173	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M56	X	.458	.458	0	%100
26	M56	Z	.793	.793	0	%100
27	M74A	X	1.484	1.484	0	%100
28	M74A	Z	2.571	2.571	0	%100
29	M75A	X	.371	.371	0	%100
30	M75A	Z	.643	.643	0	%100
31	MP4A	X	1.582	1.582	0	%100
32	MP4A	Z	2.74	2.74	0	%100
33	MP3A	X	1.582	1.582	0	%100
34	MP3A	Z	2.74	2.74	0	%100
35	MP2A	X	1.582	1.582	0	%100
36	MP2A	Z	2.74	2.74	0	%100
37	MP1A	X	1.582	1.582	0	%100
38	MP1A	Z	2.74	2.74	0	%100
39	MP4C	X	1.582	1.582	0	%100
40	MP4C	Z	2.74	2.74	0	%100
41	MP3C	X	1.582	1.582	0	%100
42	MP3C	Z	2.74	2.74	0	%100
43	MP2C	X	1.582	1.582	0	%100
44	MP2C	Z	2.74	2.74	0	%100
45	MP1C	X	1.582	1.582	0	%100
46	MP1C	Z	2.74	2.74	0	%100
47	MP4B	X	1.582	1.582	0	%100
48	MP4B	Z	2.74	2.74	0	%100
49	MP3B	X	1.582	1.582	0	%100
50	MP3B	Z	2.74	2.74	0	%100
51	MP2B	X	1.582	1.582	0	%100
52	MP2B	Z	2.74	2.74	0	%100
53	MP1B	X	1.582	1.582	0	%100
54	MP1B	Z	2.74	2.74	0	%100
55	M46	X	1.315	1.315	0	%100
56	M46	Z	2.277	2.277	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	1.315	1.315	0	%100
60	M56A	Z	2.277	2.277	0	%100
61	M67	X	.003	.003	0	%100
62	M67	Z	.006	.006	0	%100
63	M68	X	1.49	1.49	0	%100
64	M68	Z	2.581	2.581	0	%100
65	M69	X	1.35	1.35	0	%100
66	M69	Z	2.338	2.338	0	%100
67	M70	X	1.917	1.917	0	%100
68	M70	Z	3.32	3.32	0	%100
69	M71	X	.374	.374	0	%100
70	M71	Z	.647	.647	0	%100
71	M72	X	1.313	1.313	0	%100
72	M72	Z	2.274	2.274	0	%100
73	M73	X	1.313	1.313	0	%100
74	M73	Z	2.274	2.274	0	%100
75	M74	X	.374	.374	0	%100
76	M74	Z	.647	.647	0	%100
77	M75	X	1.917	1.917	0	%100
78	M75	Z	3.32	3.32	0	%100
79	OVP	X	1.306	1.306	0	%100
80	OVP	Z	2.262	2.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	3.229	3.229	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	3.229	3.229	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	4.96	4.96	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	4.96	4.96	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	1.24	1.24	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	1.24	1.24	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	1.24	1.24	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	1.24	1.24	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	2.748	2.748	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	2.748	2.748	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	2.226	2.226	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	2.226	2.226	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	3.164	3.164	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	3.164	3.164	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	3.164	3.164	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.164	3.164	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	3.164	3.164	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	3.164	3.164	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	3.164	3.164	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	3.164	3.164	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	3.164	3.164	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	3.164	3.164	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	3.164	3.164	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	3.164	3.164	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	3.506	3.506	0	%100
57	M51	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M51	Z	.877	.877	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	.877	.877	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	.811	.811	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	1.091	1.091	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	3.784	3.784	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	2.179	2.179	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	2.179	2.179	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	4.058	4.058	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.971	.971	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.971	.971	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	4.058	4.058	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	2.612	2.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.371	-.371	0	%100
2	M1	Z	.643	.643	0	%100
3	M2	X	-.458	-.458	0	%100
4	M2	Z	.793	.793	0	%100
5	M5	X	-.538	-.538	0	%100
6	M5	Z	.932	.932	0	%100
7	M6	X	-.538	-.538	0	%100
8	M6	Z	.932	.932	0	%100
9	M7	X	-2.152	-2.152	0	%100
10	M7	Z	3.728	3.728	0	%100
11	M6A	X	-1.86	-1.86	0	%100
12	M6A	Z	3.222	3.222	0	%100
13	M7A	X	-1.86	-1.86	0	%100
14	M7A	Z	3.222	3.222	0	%100
15	M23A	X	-1.86	-1.86	0	%100
16	M23A	Z	3.222	3.222	0	%100
17	M24	X	-1.86	-1.86	0	%100
18	M24	Z	3.222	3.222	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.458	-.458	0	%100
24	M55	Z	.793	.793	0	%100
25	M56	X	-1.832	-1.832	0	%100
26	M56	Z	3.173	3.173	0	%100
27	M74A	X	-.371	-.371	0	%100
28	M74A	Z	.643	.643	0	%100
29	M75A	X	-1.484	-1.484	0	%100
30	M75A	Z	2.571	2.571	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP4A	X	-1.582	-1.582	0	%100
32	MP4A	Z	2.74	2.74	0	%100
33	MP3A	X	-1.582	-1.582	0	%100
34	MP3A	Z	2.74	2.74	0	%100
35	MP2A	X	-1.582	-1.582	0	%100
36	MP2A	Z	2.74	2.74	0	%100
37	MP1A	X	-1.582	-1.582	0	%100
38	MP1A	Z	2.74	2.74	0	%100
39	MP4C	X	-1.582	-1.582	0	%100
40	MP4C	Z	2.74	2.74	0	%100
41	MP3C	X	-1.582	-1.582	0	%100
42	MP3C	Z	2.74	2.74	0	%100
43	MP2C	X	-1.582	-1.582	0	%100
44	MP2C	Z	2.74	2.74	0	%100
45	MP1C	X	-1.582	-1.582	0	%100
46	MP1C	Z	2.74	2.74	0	%100
47	MP4B	X	-1.582	-1.582	0	%100
48	MP4B	Z	2.74	2.74	0	%100
49	MP3B	X	-1.582	-1.582	0	%100
50	MP3B	Z	2.74	2.74	0	%100
51	MP2B	X	-1.582	-1.582	0	%100
52	MP2B	Z	2.74	2.74	0	%100
53	MP1B	X	-1.582	-1.582	0	%100
54	MP1B	Z	2.74	2.74	0	%100
55	M46	X	-1.315	-1.315	0	%100
56	M46	Z	2.277	2.277	0	%100
57	M51	X	-1.315	-1.315	0	%100
58	M51	Z	2.277	2.277	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-1.35	-1.35	0	%100
62	M67	Z	2.338	2.338	0	%100
63	M68	X	-.003	-.003	0	%100
64	M68	Z	.006	.006	0	%100
65	M69	X	-1.49	-1.49	0	%100
66	M69	Z	2.581	2.581	0	%100
67	M70	X	-.374	-.374	0	%100
68	M70	Z	.647	.647	0	%100
69	M71	X	-1.917	-1.917	0	%100
70	M71	Z	3.32	3.32	0	%100
71	M72	X	-1.917	-1.917	0	%100
72	M72	Z	3.32	3.32	0	%100
73	M73	X	-.374	-.374	0	%100
74	M73	Z	.647	.647	0	%100
75	M74	X	-1.313	-1.313	0	%100
76	M74	Z	2.274	2.274	0	%100
77	M75	X	-1.313	-1.313	0	%100
78	M75	Z	2.274	2.274	0	%100
79	OVP	X	-1.306	-1.306	0	%100
80	OVP	Z	2.262	2.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.928	-1.928	0	%100
2	M1	Z	1.113	1.113	0	%100
3	M2	X	-2.38	-2.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	1.374	1.374	0	%100
5	M5	X	-2.796	-2.796	0	%100
6	M5	Z	1.614	1.614	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-2.796	-2.796	0	%100
10	M7	Z	1.614	1.614	0	%100
11	M6A	X	-1.074	-1.074	0	%100
12	M6A	Z	.62	.62	0	%100
13	M7A	X	-1.074	-1.074	0	%100
14	M7A	Z	.62	.62	0	%100
15	M23A	X	-4.296	-4.296	0	%100
16	M23A	Z	2.48	2.48	0	%100
17	M24	X	-4.296	-4.296	0	%100
18	M24	Z	2.48	2.48	0	%100
19	M39A	X	-1.074	-1.074	0	%100
20	M39A	Z	.62	.62	0	%100
21	M40	X	-1.074	-1.074	0	%100
22	M40	Z	.62	.62	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-2.38	-2.38	0	%100
26	M56	Z	1.374	1.374	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-1.928	-1.928	0	%100
30	M75A	Z	1.113	1.113	0	%100
31	MP4A	X	-2.74	-2.74	0	%100
32	MP4A	Z	1.582	1.582	0	%100
33	MP3A	X	-2.74	-2.74	0	%100
34	MP3A	Z	1.582	1.582	0	%100
35	MP2A	X	-2.74	-2.74	0	%100
36	MP2A	Z	1.582	1.582	0	%100
37	MP1A	X	-2.74	-2.74	0	%100
38	MP1A	Z	1.582	1.582	0	%100
39	MP4C	X	-2.74	-2.74	0	%100
40	MP4C	Z	1.582	1.582	0	%100
41	MP3C	X	-2.74	-2.74	0	%100
42	MP3C	Z	1.582	1.582	0	%100
43	MP2C	X	-2.74	-2.74	0	%100
44	MP2C	Z	1.582	1.582	0	%100
45	MP1C	X	-2.74	-2.74	0	%100
46	MP1C	Z	1.582	1.582	0	%100
47	MP4B	X	-2.74	-2.74	0	%100
48	MP4B	Z	1.582	1.582	0	%100
49	MP3B	X	-2.74	-2.74	0	%100
50	MP3B	Z	1.582	1.582	0	%100
51	MP2B	X	-2.74	-2.74	0	%100
52	MP2B	Z	1.582	1.582	0	%100
53	MP1B	X	-2.74	-2.74	0	%100
54	MP1B	Z	1.582	1.582	0	%100
55	M46	X	-.759	-.759	0	%100
56	M46	Z	.438	.438	0	%100
57	M51	X	-3.036	-3.036	0	%100
58	M51	Z	1.753	1.753	0	%100
59	M56A	X	-.759	-.759	0	%100
60	M56A	Z	.438	.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M67	X	-3.277	-3.277	0	%100
62	M67	Z	1.892	1.892	0	%100
63	M68	X	-.703	-.703	0	%100
64	M68	Z	.406	.406	0	%100
65	M69	X	-.945	-.945	0	%100
66	M69	Z	.546	.546	0	%100
67	M70	X	-.841	-.841	0	%100
68	M70	Z	.486	.486	0	%100
69	M71	X	-3.514	-3.514	0	%100
70	M71	Z	2.029	2.029	0	%100
71	M72	X	-1.887	-1.887	0	%100
72	M72	Z	1.089	1.089	0	%100
73	M73	X	-1.887	-1.887	0	%100
74	M73	Z	1.089	1.089	0	%100
75	M74	X	-3.514	-3.514	0	%100
76	M74	Z	2.029	2.029	0	%100
77	M75	X	-.841	-.841	0	%100
78	M75	Z	.486	.486	0	%100
79	OVP	X	-2.262	-2.262	0	%100
80	OVP	Z	1.306	1.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.968	-2.968	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.664	-3.664	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-4.305	-4.305	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-1.076	-1.076	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-1.076	-1.076	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-3.72	-3.72	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-3.72	-3.72	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-3.72	-3.72	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-3.72	-3.72	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.916	-.916	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.916	-.916	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-.742	-.742	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.742	-.742	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-3.164	-3.164	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	-3.164	-3.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP3A	Z	0	0	0	%100
35	MP2A	X	-3.164	-3.164	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	-3.164	-3.164	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	-3.164	-3.164	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-3.164	-3.164	0	%100
42	MP3C	Z	0	0	0	%100
43	MP2C	X	-3.164	-3.164	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	-3.164	-3.164	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	-3.164	-3.164	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-3.164	-3.164	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	-3.164	-3.164	0	%100
52	MP2B	Z	0	0	0	%100
53	MP1B	X	-3.164	-3.164	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	-2.63	-2.63	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	-2.63	-2.63	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-2.98	-2.98	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	-2.7	-2.7	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-.007	-.007	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-2.626	-2.626	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-2.626	-2.626	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	-.748	-.748	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-3.834	-3.834	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.834	-3.834	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.748	-.748	0	%100
78	M75	Z	0	0	0	%100
79	OVP	X	-2.612	-2.612	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.928	-1.928	0	%100
2	M1	Z	-1.113	-1.113	0	%100
3	M2	X	-2.38	-2.38	0	%100
4	M2	Z	-1.374	-1.374	0	%100
5	M5	X	-2.796	-2.796	0	%100
6	M5	Z	-1.614	-1.614	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M6	X	-2.796	-2.796	0	%100
8	M6	Z	-1.614	-1.614	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-1.074	-1.074	0	%100
12	M6A	Z	-.62	-.62	0	%100
13	M7A	X	-1.074	-1.074	0	%100
14	M7A	Z	-.62	-.62	0	%100
15	M23A	X	-1.074	-1.074	0	%100
16	M23A	Z	-.62	-.62	0	%100
17	M24	X	-1.074	-1.074	0	%100
18	M24	Z	-.62	-.62	0	%100
19	M39A	X	-4.296	-4.296	0	%100
20	M39A	Z	-2.48	-2.48	0	%100
21	M40	X	-4.296	-4.296	0	%100
22	M40	Z	-2.48	-2.48	0	%100
23	M55	X	-2.38	-2.38	0	%100
24	M55	Z	-1.374	-1.374	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-1.928	-1.928	0	%100
28	M74A	Z	-1.113	-1.113	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-2.74	-2.74	0	%100
32	MP4A	Z	-1.582	-1.582	0	%100
33	MP3A	X	-2.74	-2.74	0	%100
34	MP3A	Z	-1.582	-1.582	0	%100
35	MP2A	X	-2.74	-2.74	0	%100
36	MP2A	Z	-1.582	-1.582	0	%100
37	MP1A	X	-2.74	-2.74	0	%100
38	MP1A	Z	-1.582	-1.582	0	%100
39	MP4C	X	-2.74	-2.74	0	%100
40	MP4C	Z	-1.582	-1.582	0	%100
41	MP3C	X	-2.74	-2.74	0	%100
42	MP3C	Z	-1.582	-1.582	0	%100
43	MP2C	X	-2.74	-2.74	0	%100
44	MP2C	Z	-1.582	-1.582	0	%100
45	MP1C	X	-2.74	-2.74	0	%100
46	MP1C	Z	-1.582	-1.582	0	%100
47	MP4B	X	-2.74	-2.74	0	%100
48	MP4B	Z	-1.582	-1.582	0	%100
49	MP3B	X	-2.74	-2.74	0	%100
50	MP3B	Z	-1.582	-1.582	0	%100
51	MP2B	X	-2.74	-2.74	0	%100
52	MP2B	Z	-1.582	-1.582	0	%100
53	MP1B	X	-2.74	-2.74	0	%100
54	MP1B	Z	-1.582	-1.582	0	%100
55	M46	X	-.759	-.759	0	%100
56	M46	Z	-.438	-.438	0	%100
57	M51	X	-.759	-.759	0	%100
58	M51	Z	-.438	-.438	0	%100
59	M56A	X	-3.036	-3.036	0	%100
60	M56A	Z	-1.753	-1.753	0	%100
61	M67	X	-.945	-.945	0	%100
62	M67	Z	-.546	-.546	0	%100
63	M68	X	-3.277	-3.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	-1.892	-1.892	0	%100
65	M69	X	-.703	-.703	0	%100
66	M69	Z	-.406	-.406	0	%100
67	M70	X	-3.514	-3.514	0	%100
68	M70	Z	-2.029	-2.029	0	%100
69	M71	X	-.841	-.841	0	%100
70	M71	Z	-.486	-.486	0	%100
71	M72	X	-.841	-.841	0	%100
72	M72	Z	-.486	-.486	0	%100
73	M73	X	-3.514	-3.514	0	%100
74	M73	Z	-2.029	-2.029	0	%100
75	M74	X	-1.887	-1.887	0	%100
76	M74	Z	-1.089	-1.089	0	%100
77	M75	X	-1.887	-1.887	0	%100
78	M75	Z	-1.089	-1.089	0	%100
79	OVP	X	-2.262	-2.262	0	%100
80	OVP	Z	-1.306	-1.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.371	-.371	0	%100
2	M1	Z	-.643	-.643	0	%100
3	M2	X	-.458	-.458	0	%100
4	M2	Z	-.793	-.793	0	%100
5	M5	X	-.538	-.538	0	%100
6	M5	Z	-.932	-.932	0	%100
7	M6	X	-2.152	-2.152	0	%100
8	M6	Z	-3.728	-3.728	0	%100
9	M7	X	-.538	-.538	0	%100
10	M7	Z	-.932	-.932	0	%100
11	M6A	X	-1.86	-1.86	0	%100
12	M6A	Z	-3.222	-3.222	0	%100
13	M7A	X	-1.86	-1.86	0	%100
14	M7A	Z	-3.222	-3.222	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-1.86	-1.86	0	%100
20	M39A	Z	-3.222	-3.222	0	%100
21	M40	X	-1.86	-1.86	0	%100
22	M40	Z	-3.222	-3.222	0	%100
23	M55	X	-1.832	-1.832	0	%100
24	M55	Z	-3.173	-3.173	0	%100
25	M56	X	-.458	-.458	0	%100
26	M56	Z	-.793	-.793	0	%100
27	M74A	X	-1.484	-1.484	0	%100
28	M74A	Z	-2.571	-2.571	0	%100
29	M75A	X	-.371	-.371	0	%100
30	M75A	Z	-.643	-.643	0	%100
31	MP4A	X	-1.582	-1.582	0	%100
32	MP4A	Z	-2.74	-2.74	0	%100
33	MP3A	X	-1.582	-1.582	0	%100
34	MP3A	Z	-2.74	-2.74	0	%100
35	MP2A	X	-1.582	-1.582	0	%100
36	MP2A	Z	-2.74	-2.74	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1A	X	-1.582	-1.582	0	%100
38	MP1A	Z	-2.74	-2.74	0	%100
39	MP4C	X	-1.582	-1.582	0	%100
40	MP4C	Z	-2.74	-2.74	0	%100
41	MP3C	X	-1.582	-1.582	0	%100
42	MP3C	Z	-2.74	-2.74	0	%100
43	MP2C	X	-1.582	-1.582	0	%100
44	MP2C	Z	-2.74	-2.74	0	%100
45	MP1C	X	-1.582	-1.582	0	%100
46	MP1C	Z	-2.74	-2.74	0	%100
47	MP4B	X	-1.582	-1.582	0	%100
48	MP4B	Z	-2.74	-2.74	0	%100
49	MP3B	X	-1.582	-1.582	0	%100
50	MP3B	Z	-2.74	-2.74	0	%100
51	MP2B	X	-1.582	-1.582	0	%100
52	MP2B	Z	-2.74	-2.74	0	%100
53	MP1B	X	-1.582	-1.582	0	%100
54	MP1B	Z	-2.74	-2.74	0	%100
55	M46	X	-1.315	-1.315	0	%100
56	M46	Z	-2.277	-2.277	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	-1.315	-1.315	0	%100
60	M56A	Z	-2.277	-2.277	0	%100
61	M67	X	-.003	-.003	0	%100
62	M67	Z	-.006	-.006	0	%100
63	M68	X	-1.49	-1.49	0	%100
64	M68	Z	-2.581	-2.581	0	%100
65	M69	X	-1.35	-1.35	0	%100
66	M69	Z	-2.338	-2.338	0	%100
67	M70	X	-1.917	-1.917	0	%100
68	M70	Z	-3.32	-3.32	0	%100
69	M71	X	-.374	-.374	0	%100
70	M71	Z	-.647	-.647	0	%100
71	M72	X	-1.313	-1.313	0	%100
72	M72	Z	-2.274	-2.274	0	%100
73	M73	X	-1.313	-1.313	0	%100
74	M73	Z	-2.274	-2.274	0	%100
75	M74	X	-.374	-.374	0	%100
76	M74	Z	-.647	-.647	0	%100
77	M75	X	-1.917	-1.917	0	%100
78	M75	Z	-3.32	-3.32	0	%100
79	OVP	X	-1.306	-1.306	0	%100
80	OVP	Z	-2.262	-2.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.779	-.779	0	%100
9	M7	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M7	Z	-.779	-.779	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.232	-1.232	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-1.232	-1.232	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-.308	-.308	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-.308	-.308	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-.308	-.308	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-.308	-.308	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-.686	-.686	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-.686	-.686	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	-.53	-.53	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-.53	-.53	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-.585	-.585	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-.585	-.585	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-.585	-.585	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.585	-.585	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-.585	-.585	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-.585	-.585	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-.585	-.585	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-.585	-.585	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-.585	-.585	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-.585	-.585	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	-.585	-.585	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-.585	-.585	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	-.708	-.708	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	-.177	-.177	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	-.177	-.177	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-.199	-.199	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-.267	-.267	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-.926	-.926	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M70	X	0	0	0	%100
68	M70	Z	-.502	-.502	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	-.502	-.502	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-.935	-.935	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.224	-.224	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.224	-.224	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.935	-.935	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-.479	-.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.088	.088	0	%100
2	M1	Z	-.153	-.153	0	%100
3	M2	X	.114	.114	0	%100
4	M2	Z	-.198	-.198	0	%100
5	M5	X	.13	.13	0	%100
6	M5	Z	-.225	-.225	0	%100
7	M6	X	.13	.13	0	%100
8	M6	Z	-.225	-.225	0	%100
9	M7	X	.519	.519	0	%100
10	M7	Z	-.9	-.9	0	%100
11	M6A	X	.462	.462	0	%100
12	M6A	Z	-.8	-.8	0	%100
13	M7A	X	.462	.462	0	%100
14	M7A	Z	-.8	-.8	0	%100
15	M23A	X	.462	.462	0	%100
16	M23A	Z	-.8	-.8	0	%100
17	M24	X	.462	.462	0	%100
18	M24	Z	-.8	-.8	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.114	.114	0	%100
24	M55	Z	-.198	-.198	0	%100
25	M56	X	.457	.457	0	%100
26	M56	Z	-.792	-.792	0	%100
27	M74A	X	.088	.088	0	%100
28	M74A	Z	-.153	-.153	0	%100
29	M75A	X	.354	.354	0	%100
30	M75A	Z	-.613	-.613	0	%100
31	MP4A	X	.293	.293	0	%100
32	MP4A	Z	-.507	-.507	0	%100
33	MP3A	X	.293	.293	0	%100
34	MP3A	Z	-.507	-.507	0	%100
35	MP2A	X	.293	.293	0	%100
36	MP2A	Z	-.507	-.507	0	%100
37	MP1A	X	.293	.293	0	%100
38	MP1A	Z	-.507	-.507	0	%100
39	MP4C	X	.293	.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP4C	Z	-.507	-.507	0	%100
41	MP3C	X	.293	.293	0	%100
42	MP3C	Z	-.507	-.507	0	%100
43	MP2C	X	.293	.293	0	%100
44	MP2C	Z	-.507	-.507	0	%100
45	MP1C	X	.293	.293	0	%100
46	MP1C	Z	-.507	-.507	0	%100
47	MP4B	X	.293	.293	0	%100
48	MP4B	Z	-.507	-.507	0	%100
49	MP3B	X	.293	.293	0	%100
50	MP3B	Z	-.507	-.507	0	%100
51	MP2B	X	.293	.293	0	%100
52	MP2B	Z	-.507	-.507	0	%100
53	MP1B	X	.293	.293	0	%100
54	MP1B	Z	-.507	-.507	0	%100
55	M46	X	.266	.266	0	%100
56	M46	Z	-.46	-.46	0	%100
57	M51	X	.266	.266	0	%100
58	M51	Z	-.46	-.46	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	.33	.33	0	%100
62	M67	Z	-.572	-.572	0	%100
63	M68	X	.000844	.000844	0	%100
64	M68	Z	-.001	-.001	0	%100
65	M69	X	.365	.365	0	%100
66	M69	Z	-.632	-.632	0	%100
67	M70	X	.086	.086	0	%100
68	M70	Z	-.149	-.149	0	%100
69	M71	X	.442	.442	0	%100
70	M71	Z	-.766	-.766	0	%100
71	M72	X	.442	.442	0	%100
72	M72	Z	-.766	-.766	0	%100
73	M73	X	.086	.086	0	%100
74	M73	Z	-.149	-.149	0	%100
75	M74	X	.303	.303	0	%100
76	M74	Z	-.524	-.524	0	%100
77	M75	X	.303	.303	0	%100
78	M75	Z	-.524	-.524	0	%100
79	OVP	X	.239	.239	0	%100
80	OVP	Z	-.414	-.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.459	.459	0	%100
2	M1	Z	-.265	-.265	0	%100
3	M2	X	.594	.594	0	%100
4	M2	Z	-.343	-.343	0	%100
5	M5	X	.675	.675	0	%100
6	M5	Z	-.39	-.39	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.675	.675	0	%100
10	M7	Z	-.39	-.39	0	%100
11	M6A	X	.267	.267	0	%100
12	M6A	Z	-.154	-.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M7A	X	.267	.267	0	%100
14	M7A	Z	-.154	-.154	0	%100
15	M23A	X	1.067	1.067	0	%100
16	M23A	Z	-.616	-.616	0	%100
17	M24	X	1.067	1.067	0	%100
18	M24	Z	-.616	-.616	0	%100
19	M39A	X	.267	.267	0	%100
20	M39A	Z	-.154	-.154	0	%100
21	M40	X	.267	.267	0	%100
22	M40	Z	-.154	-.154	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.594	.594	0	%100
26	M56	Z	-.343	-.343	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.459	.459	0	%100
30	M75A	Z	-.265	-.265	0	%100
31	MP4A	X	.507	.507	0	%100
32	MP4A	Z	-.293	-.293	0	%100
33	MP3A	X	.507	.507	0	%100
34	MP3A	Z	-.293	-.293	0	%100
35	MP2A	X	.507	.507	0	%100
36	MP2A	Z	-.293	-.293	0	%100
37	MP1A	X	.507	.507	0	%100
38	MP1A	Z	-.293	-.293	0	%100
39	MP4C	X	.507	.507	0	%100
40	MP4C	Z	-.293	-.293	0	%100
41	MP3C	X	.507	.507	0	%100
42	MP3C	Z	-.293	-.293	0	%100
43	MP2C	X	.507	.507	0	%100
44	MP2C	Z	-.293	-.293	0	%100
45	MP1C	X	.507	.507	0	%100
46	MP1C	Z	-.293	-.293	0	%100
47	MP4B	X	.507	.507	0	%100
48	MP4B	Z	-.293	-.293	0	%100
49	MP3B	X	.507	.507	0	%100
50	MP3B	Z	-.293	-.293	0	%100
51	MP2B	X	.507	.507	0	%100
52	MP2B	Z	-.293	-.293	0	%100
53	MP1B	X	.507	.507	0	%100
54	MP1B	Z	-.293	-.293	0	%100
55	M46	X	.153	.153	0	%100
56	M46	Z	-.089	-.089	0	%100
57	M51	X	.613	.613	0	%100
58	M51	Z	-.354	-.354	0	%100
59	M56A	X	.153	.153	0	%100
60	M56A	Z	-.089	-.089	0	%100
61	M67	X	.802	.802	0	%100
62	M67	Z	-.463	-.463	0	%100
63	M68	X	.172	.172	0	%100
64	M68	Z	-.099	-.099	0	%100
65	M69	X	.231	.231	0	%100
66	M69	Z	-.134	-.134	0	%100
67	M70	X	.194	.194	0	%100
68	M70	Z	-.112	-.112	0	%100
69	M71	X	.81	.81	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M71	Z	-.468	-.468	0	%100
71	M72	X	.435	.435	0	%100
72	M72	Z	-.251	-.251	0	%100
73	M73	X	.435	.435	0	%100
74	M73	Z	-.251	-.251	0	%100
75	M74	X	.81	.81	0	%100
76	M74	Z	-.468	-.468	0	%100
77	M75	X	.194	.194	0	%100
78	M75	Z	-.112	-.112	0	%100
79	OVP	X	.414	.414	0	%100
80	OVP	Z	-.239	-.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.707	.707	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.915	.915	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	1.039	1.039	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.26	.26	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.26	.26	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	.924	.924	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	.924	.924	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	.924	.924	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	.924	.924	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.229	.229	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.229	.229	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.177	.177	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.177	.177	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	.585	.585	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	.585	.585	0	%100
34	MP3A	Z	0	0	0	%100
35	MP2A	X	.585	.585	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	.585	.585	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	.585	.585	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	.585	.585	0	%100
42	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP2C	X	.585	.585	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	.585	.585	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	.585	.585	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	.585	.585	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	.585	.585	0	%100
52	MP2B	Z	0	0	0	%100
53	MP1B	X	.585	.585	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	.531	.531	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	.531	.531	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	.729	.729	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	.661	.661	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	.002	.002	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.605	.605	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	.605	.605	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	.172	.172	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	.884	.884	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.884	.884	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.172	.172	0	%100
78	M75	Z	0	0	0	%100
79	OVP	X	.479	.479	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.459	.459	0	%100
2	M1	Z	.265	.265	0	%100
3	M2	X	.594	.594	0	%100
4	M2	Z	.343	.343	0	%100
5	M5	X	.675	.675	0	%100
6	M5	Z	.39	.39	0	%100
7	M6	X	.675	.675	0	%100
8	M6	Z	.39	.39	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.267	.267	0	%100
12	M6A	Z	.154	.154	0	%100
13	M7A	X	.267	.267	0	%100
14	M7A	Z	.154	.154	0	%100
15	M23A	X	.267	.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M23A	Z	.154	.154	0	%100
17	M24	X	.267	.267	0	%100
18	M24	Z	.154	.154	0	%100
19	M39A	X	1.067	1.067	0	%100
20	M39A	Z	.616	.616	0	%100
21	M40	X	1.067	1.067	0	%100
22	M40	Z	.616	.616	0	%100
23	M55	X	.594	.594	0	%100
24	M55	Z	.343	.343	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.459	.459	0	%100
28	M74A	Z	.265	.265	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	.507	.507	0	%100
32	MP4A	Z	.293	.293	0	%100
33	MP3A	X	.507	.507	0	%100
34	MP3A	Z	.293	.293	0	%100
35	MP2A	X	.507	.507	0	%100
36	MP2A	Z	.293	.293	0	%100
37	MP1A	X	.507	.507	0	%100
38	MP1A	Z	.293	.293	0	%100
39	MP4C	X	.507	.507	0	%100
40	MP4C	Z	.293	.293	0	%100
41	MP3C	X	.507	.507	0	%100
42	MP3C	Z	.293	.293	0	%100
43	MP2C	X	.507	.507	0	%100
44	MP2C	Z	.293	.293	0	%100
45	MP1C	X	.507	.507	0	%100
46	MP1C	Z	.293	.293	0	%100
47	MP4B	X	.507	.507	0	%100
48	MP4B	Z	.293	.293	0	%100
49	MP3B	X	.507	.507	0	%100
50	MP3B	Z	.293	.293	0	%100
51	MP2B	X	.507	.507	0	%100
52	MP2B	Z	.293	.293	0	%100
53	MP1B	X	.507	.507	0	%100
54	MP1B	Z	.293	.293	0	%100
55	M46	X	.153	.153	0	%100
56	M46	Z	.089	.089	0	%100
57	M51	X	.153	.153	0	%100
58	M51	Z	.089	.089	0	%100
59	M56A	X	.613	.613	0	%100
60	M56A	Z	.354	.354	0	%100
61	M67	X	.231	.231	0	%100
62	M67	Z	.134	.134	0	%100
63	M68	X	.802	.802	0	%100
64	M68	Z	.463	.463	0	%100
65	M69	X	.172	.172	0	%100
66	M69	Z	.099	.099	0	%100
67	M70	X	.81	.81	0	%100
68	M70	Z	.468	.468	0	%100
69	M71	X	.194	.194	0	%100
70	M71	Z	.112	.112	0	%100
71	M72	X	.194	.194	0	%100
72	M72	Z	.112	.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	.81	.81	0	%100
74	M73	Z	.468	.468	0	%100
75	M74	X	.435	.435	0	%100
76	M74	Z	.251	.251	0	%100
77	M75	X	.435	.435	0	%100
78	M75	Z	.251	.251	0	%100
79	OVP	X	.414	.414	0	%100
80	OVP	Z	.239	.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.088	.088	0	%100
2	M1	Z	.153	.153	0	%100
3	M2	X	.114	.114	0	%100
4	M2	Z	.198	.198	0	%100
5	M5	X	.13	.13	0	%100
6	M5	Z	.225	.225	0	%100
7	M6	X	.519	.519	0	%100
8	M6	Z	.9	.9	0	%100
9	M7	X	.13	.13	0	%100
10	M7	Z	.225	.225	0	%100
11	M6A	X	.462	.462	0	%100
12	M6A	Z	.8	.8	0	%100
13	M7A	X	.462	.462	0	%100
14	M7A	Z	.8	.8	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	.462	.462	0	%100
20	M39A	Z	.8	.8	0	%100
21	M40	X	.462	.462	0	%100
22	M40	Z	.8	.8	0	%100
23	M55	X	.457	.457	0	%100
24	M55	Z	.792	.792	0	%100
25	M56	X	.114	.114	0	%100
26	M56	Z	.198	.198	0	%100
27	M74A	X	.354	.354	0	%100
28	M74A	Z	.613	.613	0	%100
29	M75A	X	.088	.088	0	%100
30	M75A	Z	.153	.153	0	%100
31	MP4A	X	.293	.293	0	%100
32	MP4A	Z	.507	.507	0	%100
33	MP3A	X	.293	.293	0	%100
34	MP3A	Z	.507	.507	0	%100
35	MP2A	X	.293	.293	0	%100
36	MP2A	Z	.507	.507	0	%100
37	MP1A	X	.293	.293	0	%100
38	MP1A	Z	.507	.507	0	%100
39	MP4C	X	.293	.293	0	%100
40	MP4C	Z	.507	.507	0	%100
41	MP3C	X	.293	.293	0	%100
42	MP3C	Z	.507	.507	0	%100
43	MP2C	X	.293	.293	0	%100
44	MP2C	Z	.507	.507	0	%100
45	MP1C	X	.293	.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP1C	Z	.507	.507	0	%100
47	MP4B	X	.293	.293	0	%100
48	MP4B	Z	.507	.507	0	%100
49	MP3B	X	.293	.293	0	%100
50	MP3B	Z	.507	.507	0	%100
51	MP2B	X	.293	.293	0	%100
52	MP2B	Z	.507	.507	0	%100
53	MP1B	X	.293	.293	0	%100
54	MP1B	Z	.507	.507	0	%100
55	M46	X	.266	.266	0	%100
56	M46	Z	.46	.46	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	.266	.266	0	%100
60	M56A	Z	.46	.46	0	%100
61	M67	X	.000844	.000844	0	%100
62	M67	Z	.001	.001	0	%100
63	M68	X	.365	.365	0	%100
64	M68	Z	.632	.632	0	%100
65	M69	X	.33	.33	0	%100
66	M69	Z	.572	.572	0	%100
67	M70	X	.442	.442	0	%100
68	M70	Z	.766	.766	0	%100
69	M71	X	.086	.086	0	%100
70	M71	Z	.149	.149	0	%100
71	M72	X	.303	.303	0	%100
72	M72	Z	.524	.524	0	%100
73	M73	X	.303	.303	0	%100
74	M73	Z	.524	.524	0	%100
75	M74	X	.086	.086	0	%100
76	M74	Z	.149	.149	0	%100
77	M75	X	.442	.442	0	%100
78	M75	Z	.766	.766	0	%100
79	OVP	X	.239	.239	0	%100
80	OVP	Z	.414	.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.779	.779	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.779	.779	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.232	1.232	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	1.232	1.232	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	.308	.308	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	.308	.308	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M39A	X	0	0	0	%100
20	M39A	Z	.308	.308	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	.308	.308	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	.686	.686	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	.686	.686	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	.53	.53	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	.53	.53	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	.585	.585	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	.585	.585	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	.585	.585	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.585	.585	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	.585	.585	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	.585	.585	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	.585	.585	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	.585	.585	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	.585	.585	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	.585	.585	0	%100
51	MP2B	X	0	0	0	%100
52	MP2B	Z	.585	.585	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	.585	.585	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	.708	.708	0	%100
57	M51	X	0	0	0	%100
58	M51	Z	.177	.177	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	.177	.177	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	.199	.199	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	.267	.267	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	.926	.926	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	.502	.502	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	.502	.502	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	.935	.935	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.224	.224	0	%100
75	M74	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M74	Z	.224	.224	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.935	.935	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	.479	.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.088	-.088	0	%100
2	M1	Z	.153	.153	0	%100
3	M2	X	-.114	-.114	0	%100
4	M2	Z	.198	.198	0	%100
5	M5	X	-.13	-.13	0	%100
6	M5	Z	.225	.225	0	%100
7	M6	X	-.13	-.13	0	%100
8	M6	Z	.225	.225	0	%100
9	M7	X	-.519	-.519	0	%100
10	M7	Z	.9	.9	0	%100
11	M6A	X	-.462	-.462	0	%100
12	M6A	Z	.8	.8	0	%100
13	M7A	X	-.462	-.462	0	%100
14	M7A	Z	.8	.8	0	%100
15	M23A	X	-.462	-.462	0	%100
16	M23A	Z	.8	.8	0	%100
17	M24	X	-.462	-.462	0	%100
18	M24	Z	.8	.8	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.114	-.114	0	%100
24	M55	Z	.198	.198	0	%100
25	M56	X	-.457	-.457	0	%100
26	M56	Z	.792	.792	0	%100
27	M74A	X	-.088	-.088	0	%100
28	M74A	Z	.153	.153	0	%100
29	M75A	X	-.354	-.354	0	%100
30	M75A	Z	.613	.613	0	%100
31	MP4A	X	-.293	-.293	0	%100
32	MP4A	Z	.507	.507	0	%100
33	MP3A	X	-.293	-.293	0	%100
34	MP3A	Z	.507	.507	0	%100
35	MP2A	X	-.293	-.293	0	%100
36	MP2A	Z	.507	.507	0	%100
37	MP1A	X	-.293	-.293	0	%100
38	MP1A	Z	.507	.507	0	%100
39	MP4C	X	-.293	-.293	0	%100
40	MP4C	Z	.507	.507	0	%100
41	MP3C	X	-.293	-.293	0	%100
42	MP3C	Z	.507	.507	0	%100
43	MP2C	X	-.293	-.293	0	%100
44	MP2C	Z	.507	.507	0	%100
45	MP1C	X	-.293	-.293	0	%100
46	MP1C	Z	.507	.507	0	%100
47	MP4B	X	-.293	-.293	0	%100
48	MP4B	Z	.507	.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	MP3B	X	-.293	-.293	0	%100
50	MP3B	Z	.507	.507	0	%100
51	MP2B	X	-.293	-.293	0	%100
52	MP2B	Z	.507	.507	0	%100
53	MP1B	X	-.293	-.293	0	%100
54	MP1B	Z	.507	.507	0	%100
55	M46	X	-.266	-.266	0	%100
56	M46	Z	.46	.46	0	%100
57	M51	X	-.266	-.266	0	%100
58	M51	Z	.46	.46	0	%100
59	M56A	X	0	0	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-.33	-.33	0	%100
62	M67	Z	.572	.572	0	%100
63	M68	X	-.000844	-.000844	0	%100
64	M68	Z	.001	.001	0	%100
65	M69	X	-.365	-.365	0	%100
66	M69	Z	.632	.632	0	%100
67	M70	X	-.086	-.086	0	%100
68	M70	Z	.149	.149	0	%100
69	M71	X	-.442	-.442	0	%100
70	M71	Z	.766	.766	0	%100
71	M72	X	-.442	-.442	0	%100
72	M72	Z	.766	.766	0	%100
73	M73	X	-.086	-.086	0	%100
74	M73	Z	.149	.149	0	%100
75	M74	X	-.303	-.303	0	%100
76	M74	Z	.524	.524	0	%100
77	M75	X	-.303	-.303	0	%100
78	M75	Z	.524	.524	0	%100
79	OVP	X	-.239	-.239	0	%100
80	OVP	Z	.414	.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.459	-.459	0	%100
2	M1	Z	.265	.265	0	%100
3	M2	X	-.594	-.594	0	%100
4	M2	Z	.343	.343	0	%100
5	M5	X	-.675	-.675	0	%100
6	M5	Z	.39	.39	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.675	-.675	0	%100
10	M7	Z	.39	.39	0	%100
11	M6A	X	-.267	-.267	0	%100
12	M6A	Z	.154	.154	0	%100
13	M7A	X	-.267	-.267	0	%100
14	M7A	Z	.154	.154	0	%100
15	M23A	X	-1.067	-1.067	0	%100
16	M23A	Z	.616	.616	0	%100
17	M24	X	-1.067	-1.067	0	%100
18	M24	Z	.616	.616	0	%100
19	M39A	X	-.267	-.267	0	%100
20	M39A	Z	.154	.154	0	%100
21	M40	X	-.267	-.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M40	Z	.154	.154	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.594	-.594	0	%100
26	M56	Z	.343	.343	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.459	-.459	0	%100
30	M75A	Z	.265	.265	0	%100
31	MP4A	X	-.507	-.507	0	%100
32	MP4A	Z	.293	.293	0	%100
33	MP3A	X	-.507	-.507	0	%100
34	MP3A	Z	.293	.293	0	%100
35	MP2A	X	-.507	-.507	0	%100
36	MP2A	Z	.293	.293	0	%100
37	MP1A	X	-.507	-.507	0	%100
38	MP1A	Z	.293	.293	0	%100
39	MP4C	X	-.507	-.507	0	%100
40	MP4C	Z	.293	.293	0	%100
41	MP3C	X	-.507	-.507	0	%100
42	MP3C	Z	.293	.293	0	%100
43	MP2C	X	-.507	-.507	0	%100
44	MP2C	Z	.293	.293	0	%100
45	MP1C	X	-.507	-.507	0	%100
46	MP1C	Z	.293	.293	0	%100
47	MP4B	X	-.507	-.507	0	%100
48	MP4B	Z	.293	.293	0	%100
49	MP3B	X	-.507	-.507	0	%100
50	MP3B	Z	.293	.293	0	%100
51	MP2B	X	-.507	-.507	0	%100
52	MP2B	Z	.293	.293	0	%100
53	MP1B	X	-.507	-.507	0	%100
54	MP1B	Z	.293	.293	0	%100
55	M46	X	-.153	-.153	0	%100
56	M46	Z	.089	.089	0	%100
57	M51	X	-.613	-.613	0	%100
58	M51	Z	.354	.354	0	%100
59	M56A	X	-.153	-.153	0	%100
60	M56A	Z	.089	.089	0	%100
61	M67	X	-.802	-.802	0	%100
62	M67	Z	.463	.463	0	%100
63	M68	X	-.172	-.172	0	%100
64	M68	Z	.099	.099	0	%100
65	M69	X	-.231	-.231	0	%100
66	M69	Z	.134	.134	0	%100
67	M70	X	-.194	-.194	0	%100
68	M70	Z	.112	.112	0	%100
69	M71	X	-.81	-.81	0	%100
70	M71	Z	.468	.468	0	%100
71	M72	X	-.435	-.435	0	%100
72	M72	Z	.251	.251	0	%100
73	M73	X	-.435	-.435	0	%100
74	M73	Z	.251	.251	0	%100
75	M74	X	-.81	-.81	0	%100
76	M74	Z	.468	.468	0	%100
77	M75	X	-.194	-.194	0	%100
78	M75	Z	.112	.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	OVP	X	-.414	-.414	0	%100
80	OVP	Z	.239	.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.707	-.707	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.915	-.915	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-1.039	-1.039	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.26	-.26	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.26	-.26	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-.924	-.924	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-.924	-.924	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-.924	-.924	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-.924	-.924	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.229	-.229	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.229	-.229	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-.177	-.177	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.177	-.177	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-.585	-.585	0	%100
32	MP4A	Z	0	0	0	%100
33	MP3A	X	-.585	-.585	0	%100
34	MP3A	Z	0	0	0	%100
35	MP2A	X	-.585	-.585	0	%100
36	MP2A	Z	0	0	0	%100
37	MP1A	X	-.585	-.585	0	%100
38	MP1A	Z	0	0	0	%100
39	MP4C	X	-.585	-.585	0	%100
40	MP4C	Z	0	0	0	%100
41	MP3C	X	-.585	-.585	0	%100
42	MP3C	Z	0	0	0	%100
43	MP2C	X	-.585	-.585	0	%100
44	MP2C	Z	0	0	0	%100
45	MP1C	X	-.585	-.585	0	%100
46	MP1C	Z	0	0	0	%100
47	MP4B	X	-.585	-.585	0	%100
48	MP4B	Z	0	0	0	%100
49	MP3B	X	-.585	-.585	0	%100
50	MP3B	Z	0	0	0	%100
51	MP2B	X	-.585	-.585	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP2B	Z	0	0	0	%100
53	MP1B	X	-.585	-.585	0	%100
54	MP1B	Z	0	0	0	%100
55	M46	X	0	0	0	%100
56	M46	Z	0	0	0	%100
57	M51	X	-.531	-.531	0	%100
58	M51	Z	0	0	0	%100
59	M56A	X	-.531	-.531	0	%100
60	M56A	Z	0	0	0	%100
61	M67	X	-.729	-.729	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	-.661	-.661	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-.002	-.002	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-.605	-.605	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-.605	-.605	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	-.172	-.172	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-.884	-.884	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.884	-.884	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.172	-.172	0	%100
78	M75	Z	0	0	0	%100
79	OVP	X	-.479	-.479	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.459	-.459	0	%100
2	M1	Z	-.265	-.265	0	%100
3	M2	X	-.594	-.594	0	%100
4	M2	Z	-.343	-.343	0	%100
5	M5	X	-.675	-.675	0	%100
6	M5	Z	-.39	-.39	0	%100
7	M6	X	-.675	-.675	0	%100
8	M6	Z	-.39	-.39	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.267	-.267	0	%100
12	M6A	Z	-.154	-.154	0	%100
13	M7A	X	-.267	-.267	0	%100
14	M7A	Z	-.154	-.154	0	%100
15	M23A	X	-.267	-.267	0	%100
16	M23A	Z	-.154	-.154	0	%100
17	M24	X	-.267	-.267	0	%100
18	M24	Z	-.154	-.154	0	%100
19	M39A	X	-1.067	-1.067	0	%100
20	M39A	Z	-.616	-.616	0	%100
21	M40	X	-1.067	-1.067	0	%100
22	M40	Z	-.616	-.616	0	%100
23	M55	X	-.594	-.594	0	%100
24	M55	Z	-.343	-.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-.459	-.459	0	%100
28	M74A	Z	-.265	-.265	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	MP4A	X	-.507	-.507	0	%100
32	MP4A	Z	-.293	-.293	0	%100
33	MP3A	X	-.507	-.507	0	%100
34	MP3A	Z	-.293	-.293	0	%100
35	MP2A	X	-.507	-.507	0	%100
36	MP2A	Z	-.293	-.293	0	%100
37	MP1A	X	-.507	-.507	0	%100
38	MP1A	Z	-.293	-.293	0	%100
39	MP4C	X	-.507	-.507	0	%100
40	MP4C	Z	-.293	-.293	0	%100
41	MP3C	X	-.507	-.507	0	%100
42	MP3C	Z	-.293	-.293	0	%100
43	MP2C	X	-.507	-.507	0	%100
44	MP2C	Z	-.293	-.293	0	%100
45	MP1C	X	-.507	-.507	0	%100
46	MP1C	Z	-.293	-.293	0	%100
47	MP4B	X	-.507	-.507	0	%100
48	MP4B	Z	-.293	-.293	0	%100
49	MP3B	X	-.507	-.507	0	%100
50	MP3B	Z	-.293	-.293	0	%100
51	MP2B	X	-.507	-.507	0	%100
52	MP2B	Z	-.293	-.293	0	%100
53	MP1B	X	-.507	-.507	0	%100
54	MP1B	Z	-.293	-.293	0	%100
55	M46	X	-.153	-.153	0	%100
56	M46	Z	-.089	-.089	0	%100
57	M51	X	-.153	-.153	0	%100
58	M51	Z	-.089	-.089	0	%100
59	M56A	X	-.613	-.613	0	%100
60	M56A	Z	-.354	-.354	0	%100
61	M67	X	-.231	-.231	0	%100
62	M67	Z	-.134	-.134	0	%100
63	M68	X	-.802	-.802	0	%100
64	M68	Z	-.463	-.463	0	%100
65	M69	X	-.172	-.172	0	%100
66	M69	Z	-.099	-.099	0	%100
67	M70	X	-.81	-.81	0	%100
68	M70	Z	-.468	-.468	0	%100
69	M71	X	-.194	-.194	0	%100
70	M71	Z	-.112	-.112	0	%100
71	M72	X	-.194	-.194	0	%100
72	M72	Z	-.112	-.112	0	%100
73	M73	X	-.81	-.81	0	%100
74	M73	Z	-.468	-.468	0	%100
75	M74	X	-.435	-.435	0	%100
76	M74	Z	-.251	-.251	0	%100
77	M75	X	-.435	-.435	0	%100
78	M75	Z	-.251	-.251	0	%100
79	OVP	X	-.414	-.414	0	%100
80	OVP	Z	-.239	-.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.088	-.088	0	%100
2	M1	Z	-.153	-.153	0	%100
3	M2	X	-.114	-.114	0	%100
4	M2	Z	-.198	-.198	0	%100
5	M5	X	-.13	-.13	0	%100
6	M5	Z	-.225	-.225	0	%100
7	M6	X	-.519	-.519	0	%100
8	M6	Z	-.9	-.9	0	%100
9	M7	X	-.13	-.13	0	%100
10	M7	Z	-.225	-.225	0	%100
11	M6A	X	-.462	-.462	0	%100
12	M6A	Z	-.8	-.8	0	%100
13	M7A	X	-.462	-.462	0	%100
14	M7A	Z	-.8	-.8	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-.462	-.462	0	%100
20	M39A	Z	-.8	-.8	0	%100
21	M40	X	-.462	-.462	0	%100
22	M40	Z	-.8	-.8	0	%100
23	M55	X	-.457	-.457	0	%100
24	M55	Z	-.792	-.792	0	%100
25	M56	X	-.114	-.114	0	%100
26	M56	Z	-.198	-.198	0	%100
27	M74A	X	-.354	-.354	0	%100
28	M74A	Z	-.613	-.613	0	%100
29	M75A	X	-.088	-.088	0	%100
30	M75A	Z	-.153	-.153	0	%100
31	MP4A	X	-.293	-.293	0	%100
32	MP4A	Z	-.507	-.507	0	%100
33	MP3A	X	-.293	-.293	0	%100
34	MP3A	Z	-.507	-.507	0	%100
35	MP2A	X	-.293	-.293	0	%100
36	MP2A	Z	-.507	-.507	0	%100
37	MP1A	X	-.293	-.293	0	%100
38	MP1A	Z	-.507	-.507	0	%100
39	MP4C	X	-.293	-.293	0	%100
40	MP4C	Z	-.507	-.507	0	%100
41	MP3C	X	-.293	-.293	0	%100
42	MP3C	Z	-.507	-.507	0	%100
43	MP2C	X	-.293	-.293	0	%100
44	MP2C	Z	-.507	-.507	0	%100
45	MP1C	X	-.293	-.293	0	%100
46	MP1C	Z	-.507	-.507	0	%100
47	MP4B	X	-.293	-.293	0	%100
48	MP4B	Z	-.507	-.507	0	%100
49	MP3B	X	-.293	-.293	0	%100
50	MP3B	Z	-.507	-.507	0	%100
51	MP2B	X	-.293	-.293	0	%100
52	MP2B	Z	-.507	-.507	0	%100
53	MP1B	X	-.293	-.293	0	%100
54	MP1B	Z	-.507	-.507	0	%100
55	M46	X	-.266	-.266	0	%100
56	M46	Z	-.46	-.46	0	%100
57	M51	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M51	Z	0	0	0	%100
59	M56A	X	-.266	-.266	0	%100
60	M56A	Z	-.46	-.46	0	%100
61	M67	X	-.000844	-.000844	0	%100
62	M67	Z	-.001	-.001	0	%100
63	M68	X	-.365	-.365	0	%100
64	M68	Z	-.632	-.632	0	%100
65	M69	X	-.33	-.33	0	%100
66	M69	Z	-.572	-.572	0	%100
67	M70	X	-.442	-.442	0	%100
68	M70	Z	-.766	-.766	0	%100
69	M71	X	-.086	-.086	0	%100
70	M71	Z	-.149	-.149	0	%100
71	M72	X	-.303	-.303	0	%100
72	M72	Z	-.524	-.524	0	%100
73	M73	X	-.303	-.303	0	%100
74	M73	Z	-.524	-.524	0	%100
75	M74	X	-.086	-.086	0	%100
76	M74	Z	-.149	-.149	0	%100
77	M75	X	-.442	-.442	0	%100
78	M75	Z	-.766	-.766	0	%100
79	OVP	X	-.239	-.239	0	%100
80	OVP	Z	-.414	-.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6	Y	-1.029	-4.932	0	1.95
2	M6	Y	-4.932	-8.836	1.95	3.899
3	M7	Y	-1.029	-4.932	0	1.95
4	M7	Y	-4.932	-8.836	1.95	3.899
5	M6A	Y	-5.144	-5.144	.01	7.236
6	M7A	Y	-1.078	-2.687	0	2.333
7	M7A	Y	-2.687	-4.755	2.333	4.667
8	M7A	Y	-4.755	-6.02	4.667	7
9	M7A	Y	-6.02	-4.755	7	9.333
10	M7A	Y	-4.755	-2.687	9.333	11.666
11	M7A	Y	-2.687	-1.078	11.666	14
12	M5	Y	-1.029	-4.932	0	1.95
13	M5	Y	-4.932	-8.836	1.95	3.899
14	M23A	Y	-5.144	-5.144	.01	7.236
15	M24	Y	-1.078	-2.687	0	2.333
16	M24	Y	-2.687	-4.755	2.333	4.667
17	M24	Y	-4.755	-6.02	4.667	7
18	M24	Y	-6.02	-4.755	7	9.333
19	M24	Y	-4.755	-2.687	9.333	11.666
20	M24	Y	-2.687	-1.078	11.666	14
21	M39A	Y	-5.144	-5.144	.01	7.236
22	M40	Y	-1.078	-2.687	0	2.333
23	M40	Y	-2.687	-4.755	2.333	4.667
24	M40	Y	-4.755	-6.02	4.667	7
25	M40	Y	-6.02	-4.755	7	9.333
26	M40	Y	-4.755	-2.687	9.333	11.666
27	M40	Y	-2.687	-1.078	11.666	14

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6	Y	-1.961	-9.401	0	1.95
2	M6	Y	-9.401	-16.841	1.95	3.899
3	M7	Y	-1.961	-9.401	0	1.95
4	M7	Y	-9.401	-16.841	1.95	3.899
5	M6A	Y	-9.804	-9.804	.01	7.236
6	M7A	Y	-2.055	-5.121	0	2.333
7	M7A	Y	-5.121	-9.063	2.333	4.667
8	M7A	Y	-9.063	-11.473	4.667	7
9	M7A	Y	-11.473	-9.063	7	9.333
10	M7A	Y	-9.063	-5.121	9.333	11.666
11	M7A	Y	-5.121	-2.055	11.666	14
12	M5	Y	-1.961	-9.401	0	1.95
13	M5	Y	-9.401	-16.841	1.95	3.899
14	M23A	Y	-9.804	-9.804	.01	7.236
15	M24	Y	-2.055	-5.121	0	2.333
16	M24	Y	-5.121	-9.063	2.333	4.667
17	M24	Y	-9.063	-11.473	4.667	7
18	M24	Y	-11.473	-9.063	7	9.333
19	M24	Y	-9.063	-5.121	9.333	11.666
20	M24	Y	-5.121	-2.055	11.666	14
21	M39A	Y	-9.804	-9.804	.01	7.236
22	M40	Y	-2.055	-5.121	0	2.333
23	M40	Y	-5.121	-9.063	2.333	4.667
24	M40	Y	-9.063	-11.473	4.667	7
25	M40	Y	-11.473	-9.063	7	9.333
26	M40	Y	-9.063	-5.121	9.333	11.666
27	M40	Y	-5.121	-2.055	11.666	14

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.005
2	N18	N17	N10	N14	Y	Two Way	-.005
3	N14	N10	N15	N16	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.01
2	N18	N17	N10	N14	Y	Two Way	-.01
3	N14	N10	N15	N16	Y	Two Way	-.01

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
1	M1	HSS4X4X4	.307	0	6	.107	0	y	5	13872...	139518	16.181	16.181	1...H1-1b
2	M2	HSS4.5X...	.155	0	7	.066	0	y	5	11985...	121302	16.25	16.25	1...H1-1b
3	M5	LL3x3x4x0	.081	0	3	.011	3.899	y	2	76391...	93312	6.48	4.361	1...H1-1b
4	M6	LL3x3x4x0	.081	0	11	.011	3.899	y	10	76391...	93312	6.48	4.361	1...H1-1b
5	M7	LL3x3x4x0	.081	0	7	.010	3.899	y	6	76391...	93312	6.48	4.361	1...H1-1b
6	M6A	L3X3X4	.275	3.623	21	.014	3.623	z	21	14725...	46656	1.688	3.209	1...H2-1
7	M7A	L3X3X4	.779	7	7	.060	.875	z	16	3944.7...	46656	1.688	2.843	1...H2-1
8	M23A	L3X3X4	.273	3.623	17	.014	3.623	z	17	14725...	46656	1.688	3.206	1...H2-1
9	M24	L3X3X4	.749	7	3	.060	.875	z	24	3944.7...	46656	1.688	2.852	1...H2-1
10	M39A	L3X3X4	.272	3.623	13	.014	3.623	z	13	14725...	46656	1.688	3.206	1...H2-1
11	M40	L3X3X4	.778	7	11	.060	.875	z	20	3944.7...	46656	1.688	2.842	1...H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc...	...	LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn...	...	Eqn
12	M55	HSS4.5X...	.157	0	3	.066	0	y	1	11985...	121302	16.25	16.25	1...	H1-1b
13	M56	HSS4.5X...	.158	0	11	.066	0	y	9	11985...	121302	16.25	16.25	1...	H1-1b
14	M74A	HSS4X4X4	.303	0	2	.100	0	y	1	13872...	139518	16.181	16.181	1...	H1-1b
15	M75A	HSS4X4X4	.302	0	10	.100	0	y	9	13872...	139518	16.181	16.181	1...	H1-1b
16	MP4A	PIPE_2.0	.187	5.062	49	.078	5.062		14	20866...	32130	1.872	1.872	2...	H1-1b
17	MP3A	PIPE_2.0	.195	5	9	.093	3.438		20	20866...	32130	1.872	1.872	2...	H1-1b
18	MP2A	PIPE_2.0	.263	2.375	7	.142	5.375		6	20866...	32130	1.872	1.872	2...	H1-1b
19	MP1A	PIPE_2.0	.207	2.438	19	.107	2.438		1	20866...	32130	1.872	1.872	2...	H1-1b
20	MP4C	PIPE_2.0	.186	2.125	18	.078	5.062		22	20866...	32130	1.872	1.872	2...	H1-1b
21	MP3C	PIPE_2.0	.195	5	5	.093	3.438		16	20866...	32130	1.872	1.872	2...	H1-1b
22	MP2C	PIPE_2.0	.263	2.375	3	.142	5.375		2	20866...	32130	1.872	1.872	2...	H1-1b
23	MP1C	PIPE_2.0	.207	2.438	15	.107	2.438		9	20866...	32130	1.872	1.872	1...	H1-1b
24	MP4B	PIPE_2.0	.186	2.125	14	.078	5.062		18	20866...	32130	1.872	1.872	1...	H1-1b
25	MP3B	PIPE_2.0	.196	5	1	.093	3.438		24	20866...	32130	1.872	1.872	2...	H1-1b
26	MP2B	PIPE_2.0	.263	2.375	11	.142	5.375		10	20866...	32130	1.872	1.872	1...	H1-1b
27	MP1B	PIPE_2.0	.207	2.438	23	.107	2.438		5	20866...	32130	1.872	1.872	2...	H1-1b
28	M46	PIPE_2.5	.269	2.672	15	.136	3.937		15	12482...	50715	3.596	3.596	2...	H1-1b
29	M51	PIPE_2.5	.269	2.672	23	.136	3.937		23	12482...	50715	3.596	3.596	2...	H1-1b
30	M56A	PIPE_2.5	.269	2.672	19	.136	3.937		19	12482...	50715	3.596	3.596	2...	H1-1b
31	M67	L3X3X4	.376	0	14	.015	0	y	12	40405...	46656	1.688	3.756	1...	H2-1
32	M68	L3X3X4	.376	0	22	.015	0	y	8	40405...	46656	1.688	3.756	1...	H2-1
33	M69	L3X3X4	.376	0	18	.015	0	y	4	40405...	46656	1.688	3.756	1...	H2-1
34	M70	L2.5x2.5x3	.148	4.494	2	.007	4.494	z	6	15103...	29192.4	.873	1.693	1...	H2-1
35	M71	L2.5x2.5x3	.168	4.494	12	.004	4.494	y	2	15103...	29192.4	.873	1.695	1...	H2-1
36	M72	L2.5x2.5x3	.148	4.494	10	.007	4.494	z	2	15103...	29192.4	.873	1.693	1...	H2-1
37	M73	L2.5x2.5x3	.168	4.494	8	.004	4.494	y	10	15103...	29192.4	.873	1.695	1...	H2-1
38	M74	L2.5x2.5x3	.148	4.494	6	.007	4.494	z	10	15103...	29192.4	.873	1.693	1...	H2-1
39	M75	L2.5x2.5x3	.168	4.494	4	.004	4.494	y	6	15103...	29192.4	.873	1.695	1...	H2-1
40	OVP	PIPE_2.0	.049	1.5	6	.060	1.5		7	28843...	32130	1.872	1.872	1...	H1-1b

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N2	max	1027.965	12	1603.401	19	607.164	1	1.289	1	1.081	8	1.144	4
2		min	-1003.544	6	-241.642	1	-623.775	7	-4.266	7	-1.069	2	-1.02	10
3	N123C	max	639.033	10	1461.813	3	994.154	2	2.46	2	1.123	8	3.594	3
4		min	-662.578	4	-307.724	9	-1003.034	8	-.979	8	-1.109	2	-1.099	9
5	N126A	max	783.416	10	1460.011	11	844.951	12	2.374	12	1.105	4	1.091	5
6		min	-780.269	4	-309.622	5	-821.699	6	-.955	6	-1.089	10	-3.615	11
7	N127	max	843.515	10	1382.504	1	2515.77	1	0	51	0	51	0	51
8		min	-880.012	4	-356.325	7	-726.175	7	0	1	0	1	0	1
9	N128	max	2108.725	9	1383.938	9	808.891	2	0	51	0	51	0	51
10		min	-543.017	3	-358.237	3	-1671.491	8	0	1	0	1	0	1
11	N129	max	798.358	10	1383.801	5	473.105	12	0	51	0	51	0	51
12		min	-2329.5	4	-357.432	11	-1396.413	6	0	1	0	1	0	1
13	Totals:	max	5569.998	10	7201.508	24	5629.298	1						
14		min	-5569.993	4	3331.549	6	-5629.305	7						

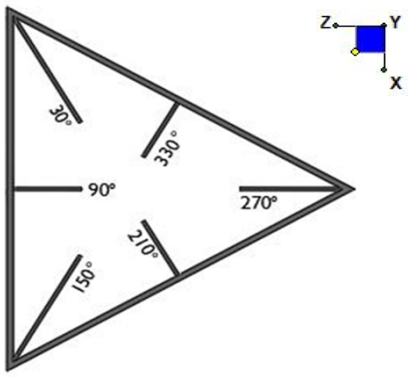
Client:	Verizon	Date:	6/21/2021
Site Name:	EAST HAMPTON CT		
Project No.	21777315A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

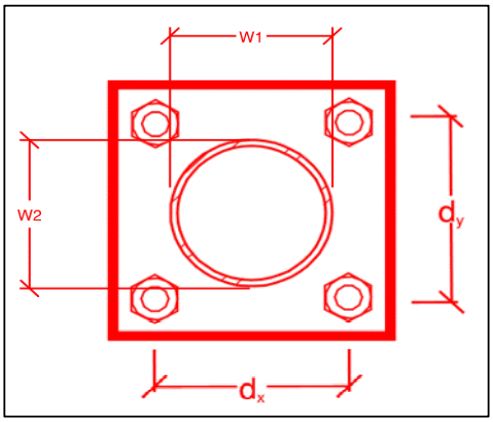
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N2	90
N126A	330
N123C	210



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	no
Bolt Quantity per Reaction:	2
d_x (in) *(Delta X of typ. bolt config. sketch)* :	
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	0.6
Required Shear Strength (kips):	1.7
Tensile Strength / bolt (kips):	13.3
Shear Strength / bolt (kips):	8.0
Tensile Capacity Overall:	**2.4%***
Shear Capacity Overall:	**10.8%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	0
Plate Height (in):	0
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.44
Plate Bending Capacity:	**#N/A**
Weld Capacity:	**58.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	#N/A
Phi*Mn_{xx} *(kip-in)* :	0.0
Mu_{yy} *(kip-in)* :	#N/A
Phi*Mn_{yy} *(kip-in)* :	0.0

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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 Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** 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 Maser Consulting Connecticut.
    - 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 Maser Consulting Connecticut 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 Maser Consulting Connecticut 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 Maser Consulting Connecticut 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:

Contractor to ensure all collar bolt members and associated equipment are in good condition. Contractor to replace washers and nuts as needed. If there is integral damage to any mount collar bolt contractor to provide photos to EOR for evaluation. Contractor to ensure existing and proposed standoff arms do not nor will not interfere with the existing safety climb facilities. Contractor to install safety climb wire rope guides as necessary. Contractor to wire brush rusted areas and apply 2 coats of galvanization as necessary. Relocate existing OVP to a new 3' Long P2.0 STD pipe connected to the alpha sector standoff arm. Connect the pipe to the standoff arm using crossover plate (Part #: SQCX4-K or EOR approved equal).

Response:

Schedule A – Photo & Document File Structure

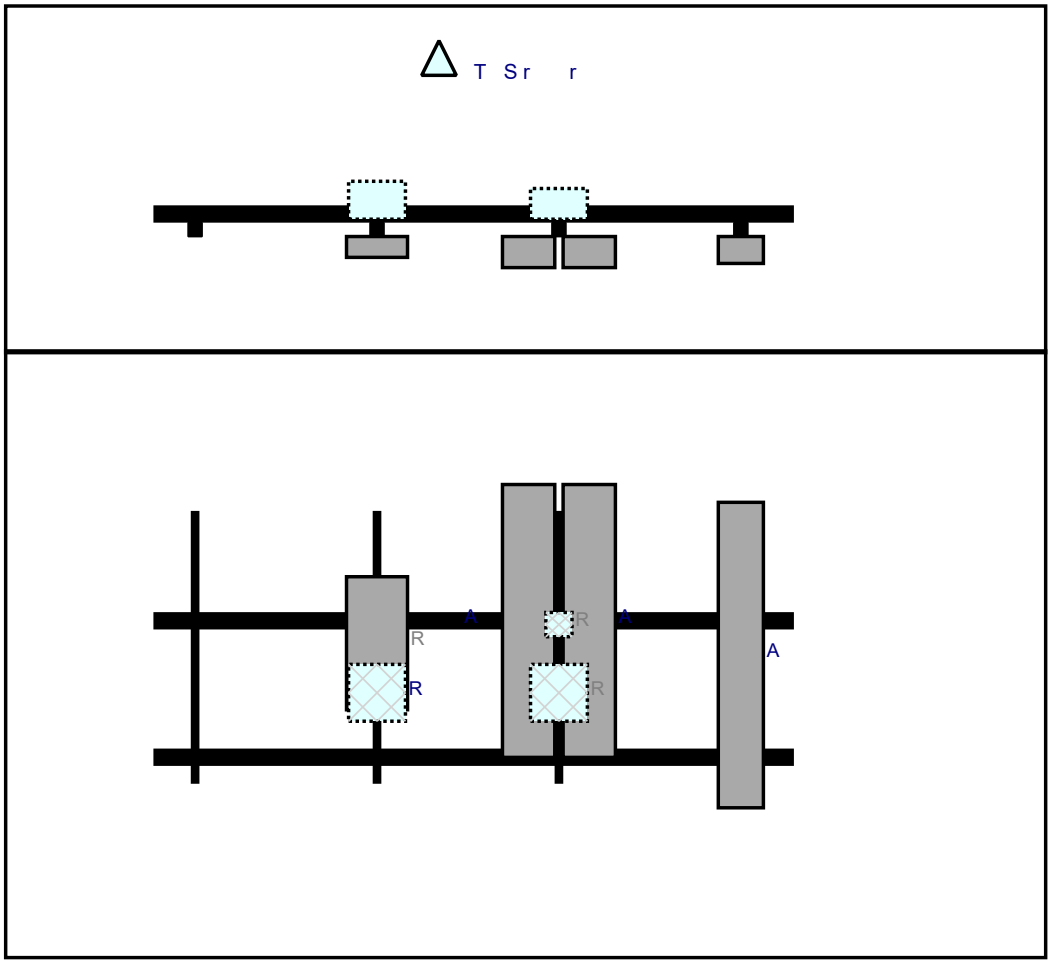
- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety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

S r **A**

Sr r T M

M E . P

Plan View



Front View
L Sr r

d D P P A .A A

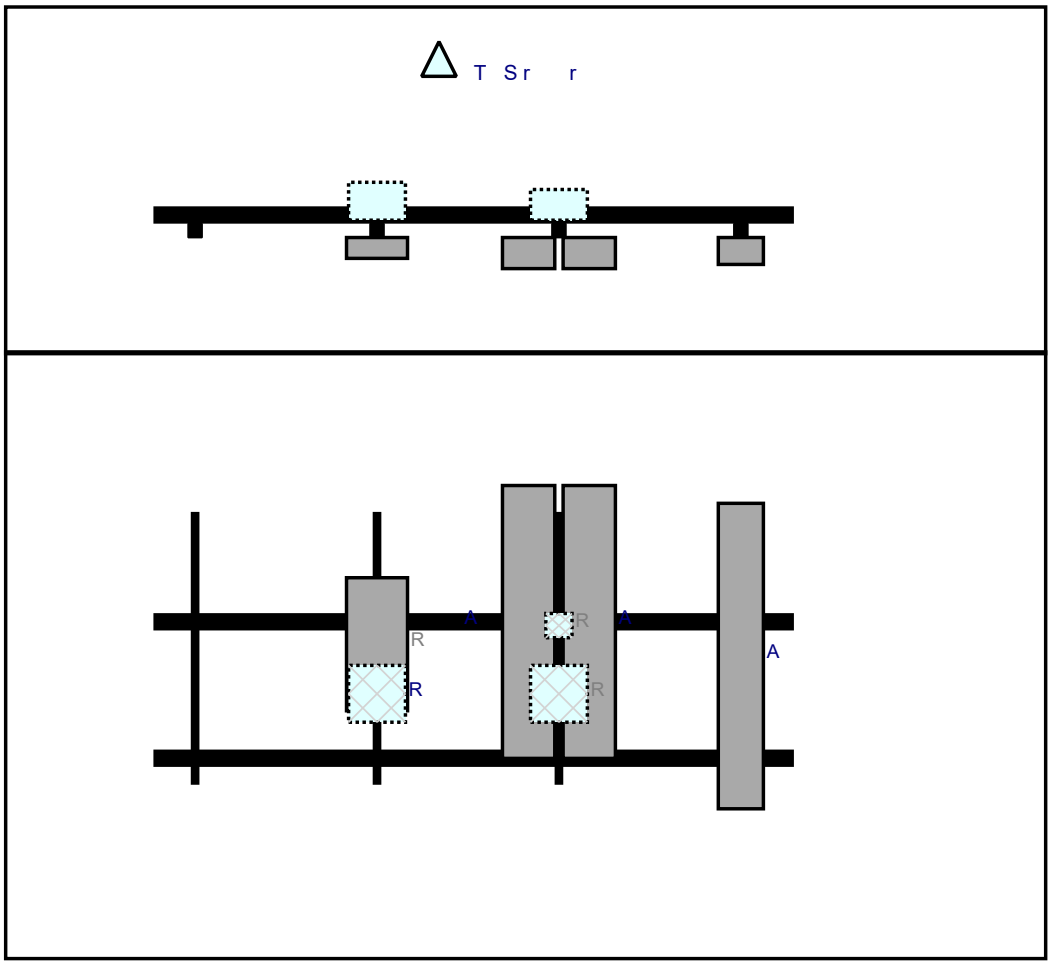
R M d	r L.	P	P	r T. O	S	d
A L DS A M	. .		r	.	R d	
A A B R B	.		r	.	Add d	
A A B R B	.		r	.	Add d	
R B T DS	. .		B d		Add d	
R B B RR BR			B d		Add d	
R MT A	. .		r	.	Add d	
R B B A RR BR			B d		Add d	

S r **B**

Sr r T M

M E . P

Plan View



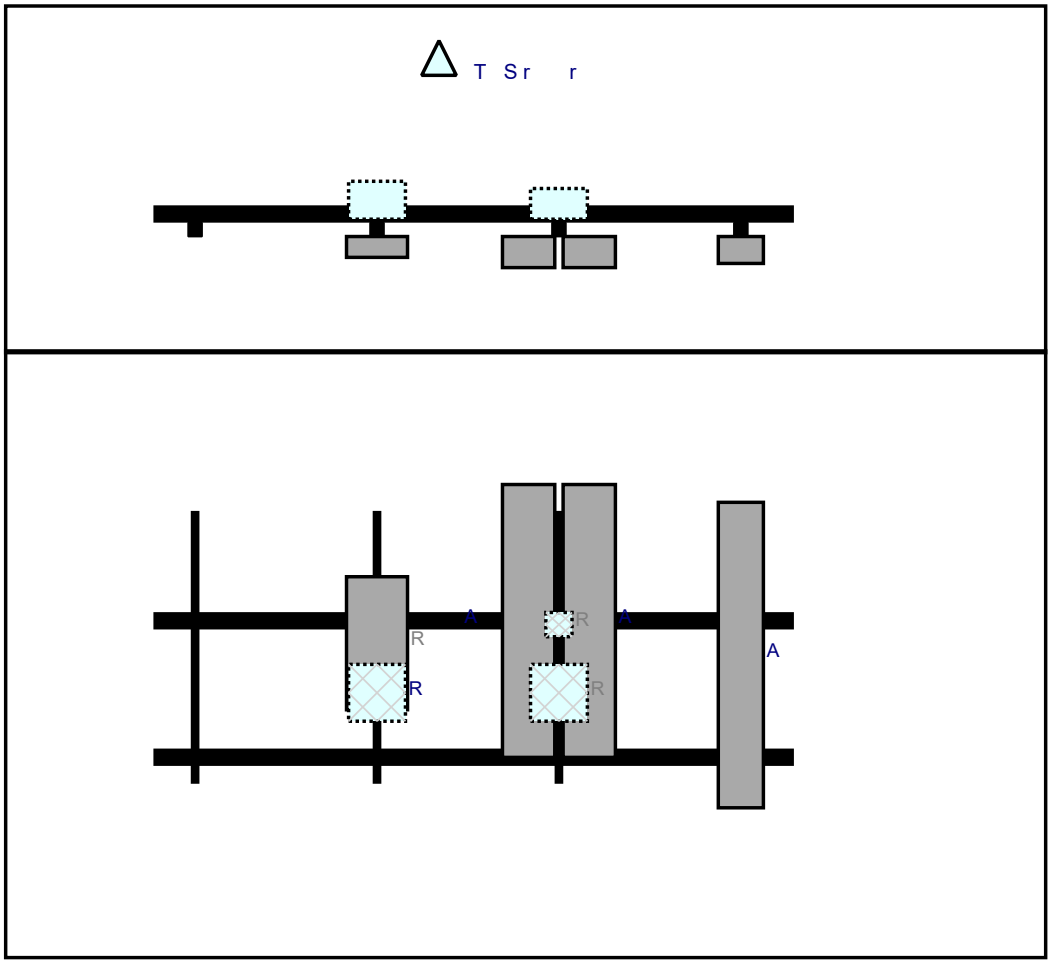
Front View
L Sr r

d D P P A .A A

R M d	r L.	P	P	r T. O	S d
A L DS A M	. .		r	.	R d
A A B R B	.		r	.	Add d
A A B R B	.		r	.	Add d
R B T DS	. .		B d		Add d
R B B RR BR			B d		Add d
R MT A	. .		r	.	Add d
R B B A RR BR			B d		Add d

S r **C**
Sr r T M
M E . P

Plan View



Front View
L Sr r

d D P P A .A A
R M d r L. P P r T. O S d

A L DS A M	.	.	r	.	R d
A A B R B	.		r	.	Add d
A A B R B	.		r	.	Add d
R B T DS	.	.	B d		Add d
R B B RR BR			B d		Add d
R MT A	.	.	r	.	Add d
R B B A RR BR			B d		Add d

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*469377-VZW / EAST HAMPTON CT*
	Site Name:	*EAST HAMPTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*94 East High St.* *East Hampton, Connecticut 06424* *Middlesex County*
	Latitude:	*41.587278°*
	Longitude:	*-72.488778°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.08-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Justin Linette, PE
Sr. Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***EAST HAMPTON 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	648	2593	108	0.0080
VZW CDMA	877.26	2	445	890	108	0.0027
VZW Cellular	874	4	742	2969	108	0.0092
VZW PCS	1975	4	1561	6243	108	0.0192
VZW AWS	2120	4	1566	6263	108	0.0193
VZW CBAND	3730.08	4	6531	26125	108	0.0805

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/IE
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's

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	1.60%
0.5848	0.47%
0.5827	1.57%
1.0000	1.92%
1.0000	1.93%
1.0000	8.05%
	15.55%

ΞEE C95.1-1992

s November 10, 2015 Memorandum for Exempt Modification filings