CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

August 24, 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 ID# 876342; Verizon Site ID#324366
111 School House Road, a/k/a Bic Dr., Milford, CT 06460
Latitude: 41° 12′ 46.06″/ Longitude: -73° 5′ 7.10″

Dear Ms. Bachman:

Verizon currently maintains (12) antennas at the 104-foot mount on the existing 140-foot Monopole Tower located at in **111 School House Road, a/k/a Bic Dr**. in Milford, CT. The property is owned by Milford Enterprises LLC and the Tower by Crown Castle. Verizon now intends to replace six (6) existing antennas and add three (3) new antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:
Tower:

Remove and Replace:
(6) Andrew- SBNHH-1D65B Antennas **(REMOVE)** – (6) Andrew -JAHH-65B-R3B Antennas **(REPLACE)**

Install New:
(3) Samsung – MT6407-77A Antennas **(NEW)**

The facility was approved by the City of Milford on May 15, 1997. This approval was given without conditions.

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

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.C.S.A. §16-50j-73, a copy of this letter is being sent to Benjamin G. Blake, Mayor of the City of Milford and Joseph D. Griffith, Building Official for the City of Milford. A copy will also be sent to the property owner.

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. §16-50j-72(b)(2).

Sincerely,

Ersilia Davis
NETWORK BUILDING + CONSULTING
1777 Sentry Parkway W.| VEVA 17, Suite 400
Blue Bell, PA, 19422
edavis@nbcllc.com
551-804-0667

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

cc:

Benjamin G. Blake, Mayor *(via Fedex)*
City of Milford, CT
110 River St
Milford, CT 06460
203-783-3201

Joseph D. Griffith, Building Official *(via Fedex)*
City of Milford, CT
110 River St
Milford, CT 06460
203-783-3374

Milford Enterprises LLC. /Vipul Mehta *(Via Fedex)*
1207 E. Main St.
Stamford, CT 06902

TRACK ANOTHER SHIPMENT

774621351440

ADD NICKNAME

Delivered
Thursday, August 26, 2021 at 10:27 am

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Benjamin G. Blake
City of Milford,

110 River St
MILFORD, CT US 06460
203-783-3201

Travel History

TIME ZONE
Local Scan Time

Thursday, August 26, 2021

10:27 AM	MILFORD, CT	Delivered Package delivered to recipient address - release authorized
9:15 AM	STRATFORD, CT	On FedEx vehicle for delivery
8:39 AM	STRATFORD, CT	At local FedEx facility
4:09 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, August 25, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub
9:22 PM	NEWBURGH, NY	Left FedEx origin facility
6:42 PM	NEWBURGH, NY	Picked up

Tuesday, August 24, 2021

1:16 PM	Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER
774621351440

SERVICE
FedEx Priority Overnight

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/NBC 876342

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
8/25/21

STANDARD TRANSIT
8/26/21 before 10:30 am

ACTUAL DELIVERY
8/26/21 at 10:27 am

TRACK ANOTHER SHIPMENT

774621427746

ADD NICKNAME

Delivered
Thursday, August 26, 2021 at 10:27 am

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Joseph D. Griffith
City of Milford

110 River St
MILFORD, CT US 06460
203-783-3374

Travel History

TIME ZONE
Local Scan Time

Thursday, August 26, 2021

10:27 AM	MILFORD, CT	Delivered Package delivered to recipient address - release authorized
9:15 AM	STRATFORD, CT	On FedEx vehicle for delivery
8:39 AM	STRATFORD, CT	At local FedEx facility
4:09 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, August 25, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub
9:22 PM	NEWBURGH, NY	Left FedEx origin facility
6:42 PM	NEWBURGH, NY	Picked up

Tuesday, August 24, 2021

1:19 PM	Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER
774621427746

SERVICE
FedEx Priority Overnight

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/NBC 876342

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
8/25/21

STANDARD TRANSIT
8/26/21 before 10:30 am

ACTUAL DELIVERY
8/26/21 at 10:27 am

TRACK ANOTHER SHIPMENT

774621279325

ADD NICKNAME

Delivered
Thursday, August 26, 2021 at 12:12 pm

DELIVERED

Signed for by: G.GLANDY

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Vipul Mehta
Milford Enterprises LLC.

1207 E. Main St.
STAMFORD, CT US 06902
585-445-5896

Travel History

TIME ZONE
Local Scan Time

Thursday, August 26, 2021

12:12 PM	STAMFORD, CT	Delivered
9:18 AM	STAMFORD, CT	On FedEx vehicle for delivery
7:31 AM	STAMFORD, CT	At local FedEx facility
4:54 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, August 25, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub
9:22 PM	NEWBURGH, NY	Left FedEx origin facility

6:42 PM	NEWBURGH, NY	Picked up

Tuesday, August 24, 2021

1:13 PM	Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER
774621279325

SERVICE
FedEx Priority Overnight

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/NBC 876342

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
8/25/21

STANDARD TRANSIT
8/26/21 before 10:30 am

ACTUAL DELIVERY
8/26/21 at 12:12 pm

Exhibit A

Original Facility Approval

DATE FILED 5/15/97
RECEIPT # 10391
FEE (INCLUDES CZC) $ $ 2200

City of Milford, Connecticut

APPLICATION FOR ZONING PERMIT

INSTRUCTIONS: Fill out this application in ball point pen. A scaled plot plan in duplicate, based on a certified surveyor's plot plan must be submitted with this application showing the proposed or existing lot and building dimensions and the location of all buildings in relation to the street lines, side lot lines and rear lot lines.

ADDRESS OF PROPERTY 111 Schoolhouse Rd. **ZONE** G.I.

MAP 33 **BLOCK** 335 **PARCEL** 5 **LOT NO.** ____ **ADDRESS MAP NO.** ____ **LOT SIZE** ____

WIDTH OF STREET RIGHT OF WAY LESS THAN 50 FT.? YES ___ NO ✓ **CORNER LOT?** YES ___ NO ✓

IS ANY PORTION OF THE LOT BELOW REGULATORY FLOOD ELEVATION? YES ___ NO ___ **CAM** YES ___ NO ✓

CITY WATER ✓ **PRIVATE WELL*** ___ **SEWER**** ✓ **SEPTIC***** ___ **ENGINEERING OFF STREET PERMIT #** ____

OWNER Telach Prop. L.P. **PHONE** ( ) 877-8000

ADDRESS OF OWNER 111 School House Rd. Milford CT
STREET CITY STATE ZIP CODE

PRESENT USE OF PROPERTY Motel

PROPOSED CONSTRUCTION NEW X ADDITION ___ ALTERATION ___ REPAIR ___

SIZE/USE OF PROPOSED CONSTRUCTION 140' Telecommunications monopole
- Wetlands Permit Req.-

NO. OF STORIES ___ **HEIGHT** 140' **REQUIRED PARKING SPACES** ___ **LOT COVERAGE** ___%

DATE OF APPROVALS: ZBA 2/11/97 CASPR ___ SITE PLAN May 6 1997 SPECIAL PERMIT May 6, 1997

EXEMPTION ISSUED ___ **SUBDIV. NAME** ___ **HISTORIC DIST. CERT.OF APPROPRIATENESS** ___

CERTIFICATION: *(WARNING)* I hereby certify that I am making this application on behalf of and with full authority of the owner of the property and that I am aware of the Zoning Regulations pertinent in this case and that the statements made herein are true and correct. *APPROVAL SHALL BE VALID FOR PLANS AS SUBMITTED.*

THE OCCUPANCY AND USE OF LAND AND BUILDINGS OR STRUCTURES PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY IS PROHIBITED

APPROVED BY:
Richard Vacek
Zoning Official

DATE ISSUED 5/15/97

APPLICANT:
NAME Mike Evancick Agent for Sprint PCS (Please Print)
SIGNATURE Mike Evancick
ADDRESS 9 Barnes Industrial Road
Street
CITY Wallingford STATE CT ZIP 06492
TELEPHONE NO. (203) 294-5609

* Permit required from State Health Dept. for apartments, subdivisions, trailer parks, shopping centers and public buildings.

** Permits for sewer connections are granted by Sewer Commission

*** Septic system approvals are granted by Health Department

P&Z OFFICE - WHITE BUILDING DEPT. - YELLOW APPLICANT'S COPY - PINK

ZONPER7/96

CAM REQUIRED YES__ NO__

MILFORD PLANNING & ZONING BOARD
PETITION FOR SPECIAL PERMIT

I (WE) Sprint PCS

HEREBY PETITION FOR A:

SPECIAL PERMIT ___ AMENDMENT TO A SPECIAL PERMIT xx

TO ESTABLISH ____ OR CONSTRUCT Telecommunications Monopole
(DESCRIPTION)

ON THE FOLLOWING PROPERTY:

ADDRESS OF PROPERTY 111 School House Road SEWER ___ SEPTIC ___

ASSESSOR'S MAP 33 BLOCK 335 PARCEL 5 ZONE GI ACRES 2.216

APPLICANT'S NAME Sprint PCS PHONE # (203) 294-5684

APPLICANT'S MAILING ADDRESS 95 Barnes Industrial Road, Wallingford, CT

PROPERTY OWNER'S NAME TELAHC Prop., L.P. PHONE # c/o (203) 877-8000

PROPERTY OWNER'S SIGNATURE

PROPERTY OWNER'S MAILING ADDRESS 111 School House Road, Milford, CT

IF APPEARING BY ATTORNEY OR AGENT:

NAME Harris Beach & Wilcox, LLP

SIGNATURE PHONE # (203) 877-8000

MAILING ADDRESS 147 North Broad Street, Milford, CT

HAS ANY PREVIOUS PETITION FOR A SPECIAL PERMIT BEEN FILED FOR THIS PROPERTY?

YES x NO __

IF YES, GIVE DECISION: APPROVED x DENIED ____ DATE 11/6/85

APPLICANT

NOTE: COPIES OF THIS APPLICATION WILL NOT BE ACCEPTED

FEE - SEE SCHEDULE OF ZONING FEES.
RECEIVED OF ____ DATE ____
RECEIVED BY ____ AMOUNT ____ RECEIPT NO. ____
DATE APPLICATION FILED DATE APPLICATION CERTIFIED ____
PLANNING & ZONING BOARD ACTION: DATE ____ APPROVED ____ DENIED ____

REVISED 6/93

PROCEDURE FOLLOWING APPROVAL
BY
PLANNING & ZONING BOARD

SITE PLAN REVIEW

Following approval by the Planning & Zoning Board, it is necessary to obtain a zoning permit at the Planning & Zoning Office. Plans for this permit will be the Board approved plans on file in our office unless the Board has stipulated revisions to be made. Please call the reviewing officer for this application at 783-3245 to make arrangements for the issuance of a zoning permit. The fee for a zoning permit following Board approval is $22.00. The zoning permit, associated plans and other exhibits must then be taken to the Building Inspector for the issuance of a building permit.

SPECIAL PERMIT/SPECIAL EXCEPTION

Following approval by the Planning & Zoning Board, it is necessary to obtain a zoning permit at the Planning & Zoning Office. Plans for this permit will be the Board approved plans on file in our office unless the Board has stipulated revisions to be made. Please call the reviewing officer for this application at 783-3245 to make arrangements for the issuance of a zoning permit. The fee for a zoning permit following Board approval is $22.00. The zoning permit, associated plans and other exhibits must then be taken to the Building Inspector for the issuance of a building permit.

Prior to the issuance of a zoning permit, a certificate, which is being held at the office must be filed on the land records in the City Clerk's Office for which a fee of $10.00 is required. You must present your receipt from the City Clerk's Office at the Planning & Zoning Office to be recorded in your file.

Exhibit B

Property Card

BU #: **876342**

Tax Parcel ID # (Real Property):

MILF-000033-000335-000005, MILF-000033-000335-000005A

(Alternate APN/Real Property APN)

Aerial Photo of Parcel from County GIS Database:

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 324366
VERIZON SITE NAME: MILFORD 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 140'-0"

BUSINESS UNIT #: 876342
SITE ADDRESS: 111 SCHOOL HOUSE RD MILFORD, CT 06461
COUNTY: NEW HAVEN
JURISDICTION: CITY OF MILFORD

VERIZON FUZE PROJECT #: 16231830

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BIC DRIVE (SSUSA)
SITE ADDRESS:	111 SCHOOL HOUSE RD MILFORD, CT 06461
COUNTY:	NEW HAVEN
MAP/PARCEL #:	TBD
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 12' 46.3788" N (41.212883°)
LONGITUDE:	73° 5' 5.4888" W (-73.084858°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	83'
CURRENT ZONING:	LI
JURISDICTION:	CITY OF MILFORD
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD TBD TBD
TOWER OWNER:	CCATT LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	THR UNITED ILLUMINATING COMPANY (800) 7-CALL UI
TELCO PROVIDER:	VERIZON (855) 27795195

PROJECT TEAM

A&E FIRM:	INFINIGY 1033 WATERVLIET SHAKER RD. ALBANY, NY 12205
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1500 CORPORATE DRIVE CANONSBURG, PA 15317
	TBD - PROJECT MANAGER
	TBD - CONSTRUCTION MANAGER

DRAWING INDEX

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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

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

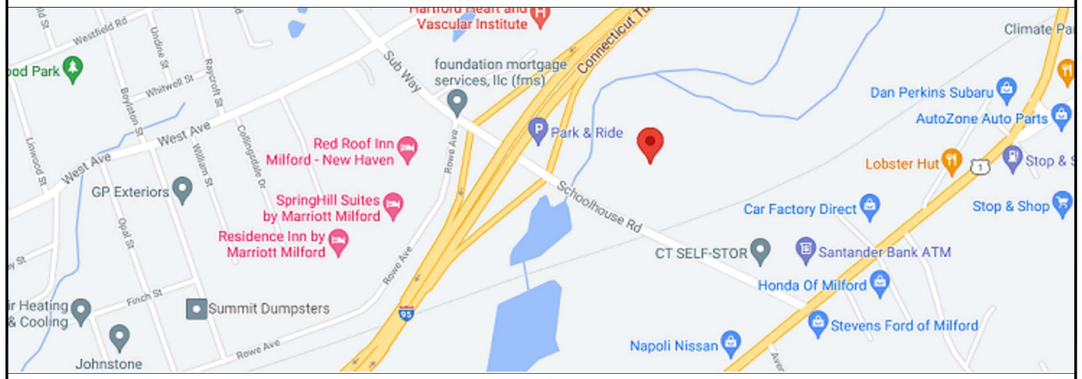
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (1203 MIDDLE COUNTRY RD, MIDDLE ISLAND, NY 11953)
DEPART AND HEAD (SOUTH), TURN LEFT, KEEP RIGHT, HEADING TOWARD NY-25 / MIDDLE COUNTRY RD, TURN RIGHT ONTO NY-25 / MIDDLE COUNTRY RD, TURN RIGHT ONTO ROCKY POINT RD / COUNTY HWY-21, TURN RIGHT ONTO CANAL RD, ROAD NAME CHANGES TO NY-347 / NESCONSET HWY, TURN LEFT ONTO NY-347 / NESCONSET HWY, TURN RIGHT ONTO NY-112 / PATCHOGUE RD, TURN RIGHT ONTO E MAIN ST, TURN LEFT ONTO E BROADWAY, TURN RIGHT ONTO FERRY SLIP, TAKE BRIDGEPORT - PORT JEFFERSON, TAKE FERRY ACCESS RD, ROAD NAME CHANGES TO RAILROAD AVE, TURN RIGHT ONTO RAILROAD AVE, THEN IMMEDIATELY TURN LEFT ONTO RAILROAD AVE, TURN RIGHT ONTO LAFAYETTE ST, TAKE THE RAMP ON THE RIGHT FOR I-95 N / GOVERNOR JOHN DAVIS LODGE TPKE, AT EXIT 35, HEAD RIGHT ON THE RAMP FOR SCHOOL HOUSE RD TOWARD MILFORD, TURN RIGHT ONTO SCHOOLHOUSE RD TOWARD MILFORD / SCHOOL HOUSE RD, TURN LEFT, TURN LEFT, ARRIVE 111 SCHOOL HOUSE RD MILFORD, CT 06461

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 STATE BUILDING CODE
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	05/20/2021
RFDS REVISION:	1
DATED:	07/21/2021
ORDER ID:	552660
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (6) ANTENNAS
- INSTALL (9) ANTENNAS

GROUND SCOPE OF WORK:
- N/A

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

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER
8/18/2021

SHEET NUMBER: T-1
REVISION: 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.

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

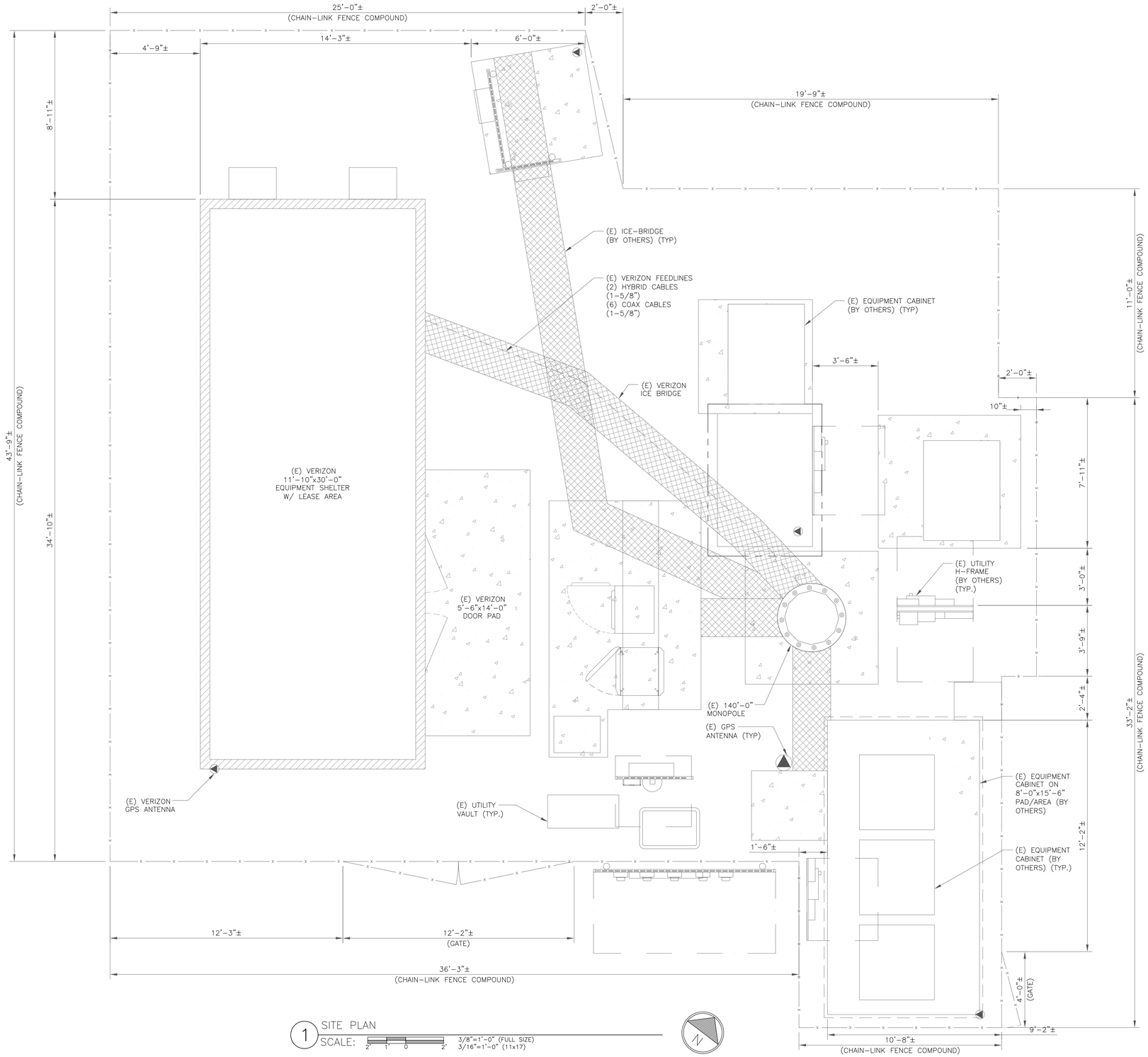
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

8/18/2021

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

SHEET NUMBER: **T-2**
REVISION: **0**



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

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

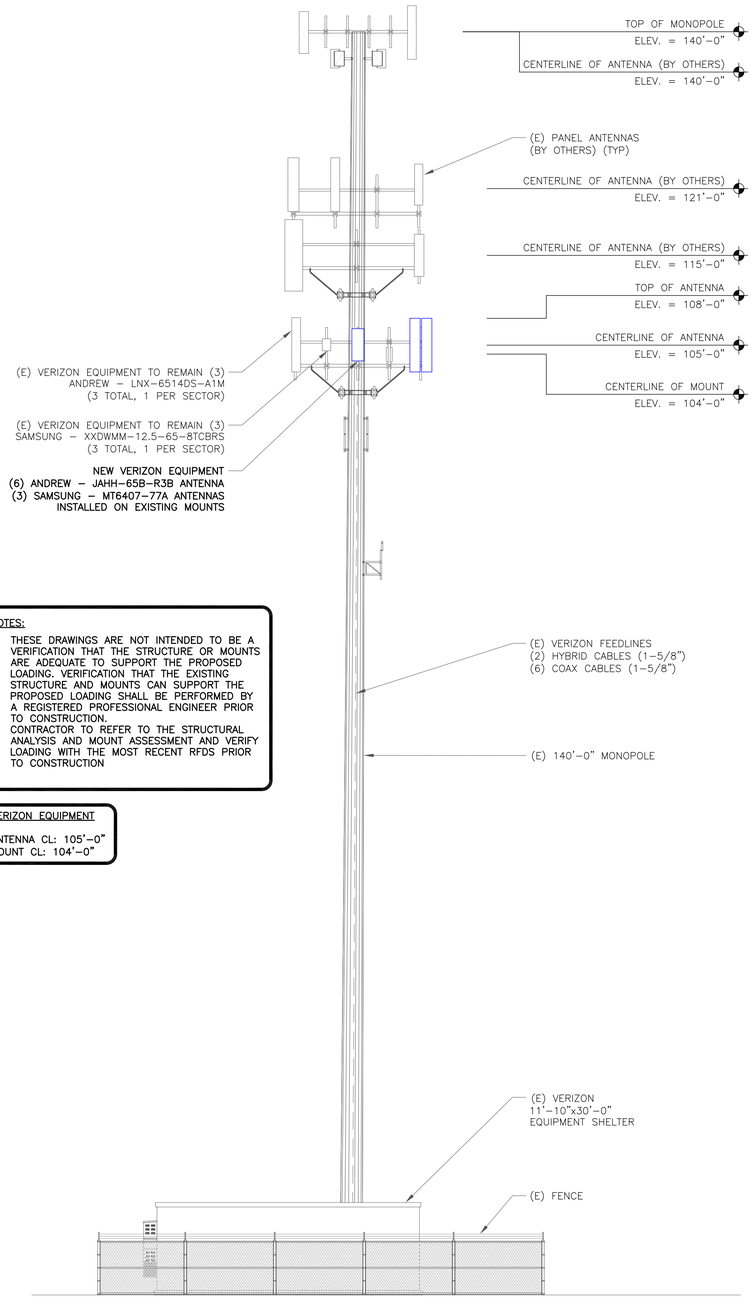
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

8/18/2021

SHEET NUMBER: C-1

REVISION: 0



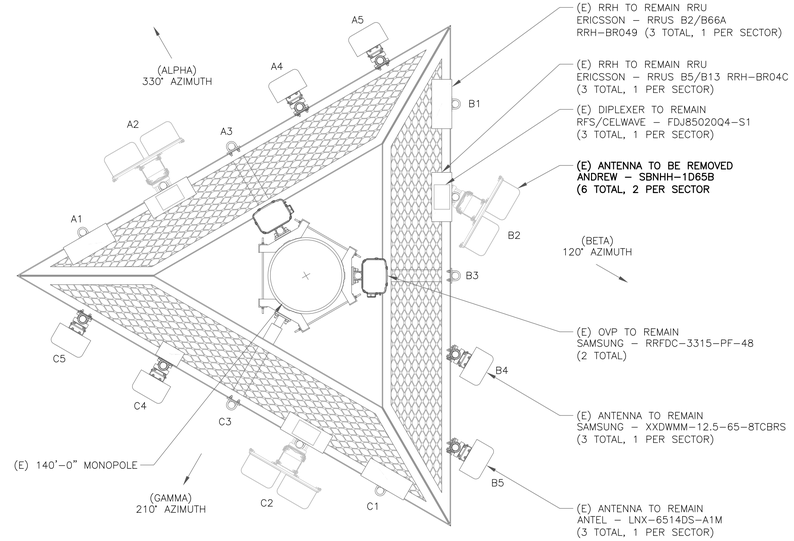
NOTES:

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

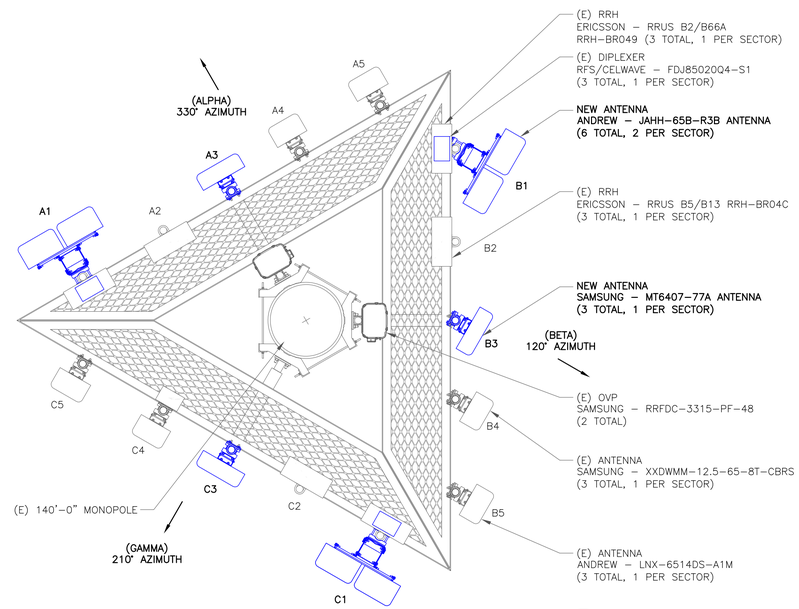
VERIZON EQUIPMENT

ANTENNA CL: 105'-0"
MOUNT CL: 104'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

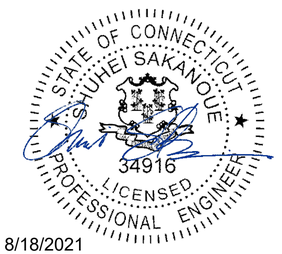
BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--



8/18/2021

SHEET NUMBER: C-2

REVISION: 0

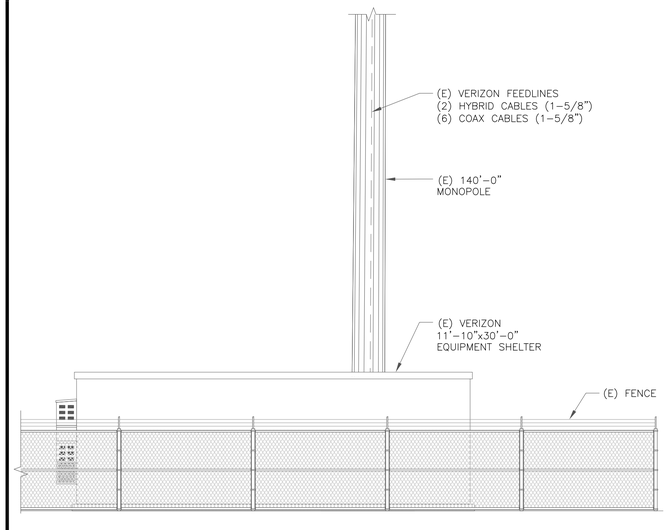
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	ANDREW	(2) JAHH-65B-R3B	105'-0"	330°	0°	4°/4°/2°/2°	SAMSUNG RFS/CELWAVE	(1) B2/B66A RRH-BR049 (RFV01U-D1A) (1) FDJ85020Q4-S1
A2	–	–	–	–	–	–	–	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
A3	NEW	SAMSUNG	MT6407-77A	105'-0"	330°	0°	6°	–	–
A4	EXISTING	SAMSUNG	XXDWMM-12.5-65-8TCBRS	105'-0"	330°	0°	8°	–	–
A5	EXISTING	ANDREW	LNX-6514DS-A1M	105'-0"	330°	0°	2°	–	–
B1	NEW	ANDREW	(2) JAHH-65B-R3B	105'-0"	120°	0°	3°/3°/1°/1°	SAMSUNG RFS/CELWAVE	(1) B2/B66A RRH-BR049 (RFV01U-D1A) (1) FDJ85020Q4-S1
B2	–	–	–	–	–	–	–	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
B3	NEW	SAMSUNG	MT6407-77A	105'-0"	120°	0°	6°	–	–
B4	EXISTING	SAMSUNG	XXDWMM-12.5-65-8TCBRS	105'-0"	120°	0°	8°	–	–
B5	EXISTING	ANDREW	LNX-6514DS-A1M	105'-0"	120°	0°	2°	–	–
C1	NEW	ANDREW	(2) JAHH-65B-R3B	105'-0"	210°	0°	2°/3°/1°/1°	SAMSUNG RFS/CELWAVE	(1) B2/B66A RRH-BR049 (RFV01U-D1A) (1) FDJ85020Q4-S1
C2	–	–	–	–	–	–	–	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
C3	NEW	SAMSUNG	MT6407-77A	105'-0"	210°	0°	6°	–	–
C4	EXISTING	SAMSUNG	XXDWMM-12.5-65-8TCBRS	105'-0"	210°	0°	8°	–	–
C5	EXISTING	ANDREW	LNX-6514DS-A1M	105'-0"	210°	0°	2°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	1-5/8"	154'-0"±	2
EXISTING	COAX	1-5/8"	154'-0"±	6
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

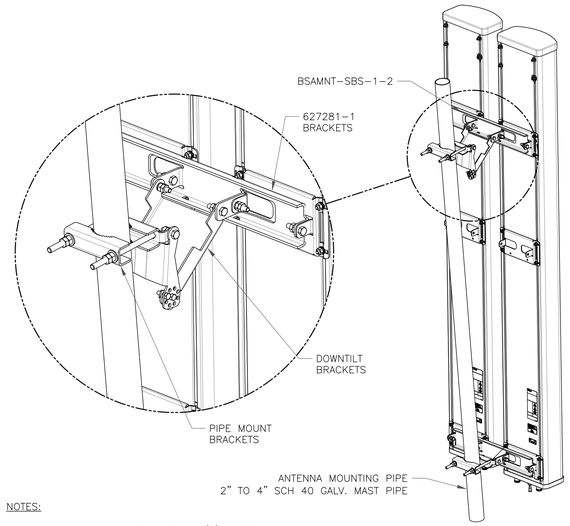
EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER
8/18/2021

SHEET NUMBER: C-3
REVISION: 0

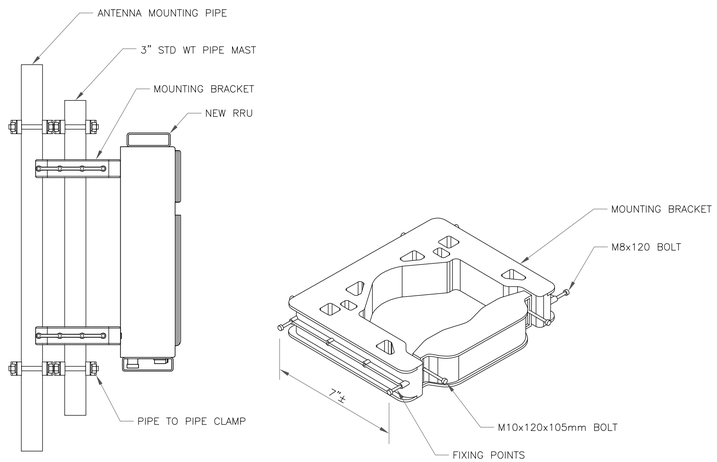


NOTES:

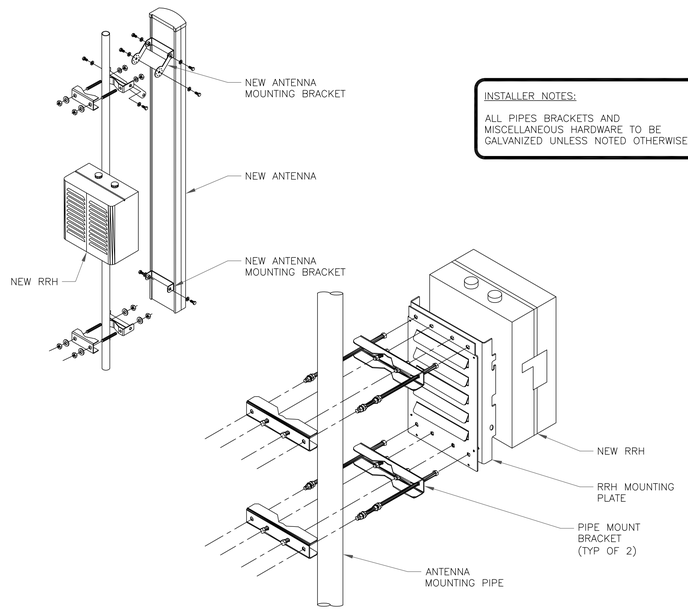
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

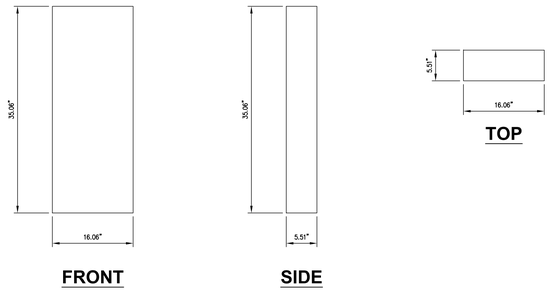
STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER
8/18/2021

SHEET NUMBER: C-4
REVISION: 0

SAMSUNG PANEL ANTENNA (MT6407-77A)

DIMENSIONS, HxWxD: 35.06"x16.06"x5.51"

WEIGHT, W/O BRACKETS: 81.57 lbs

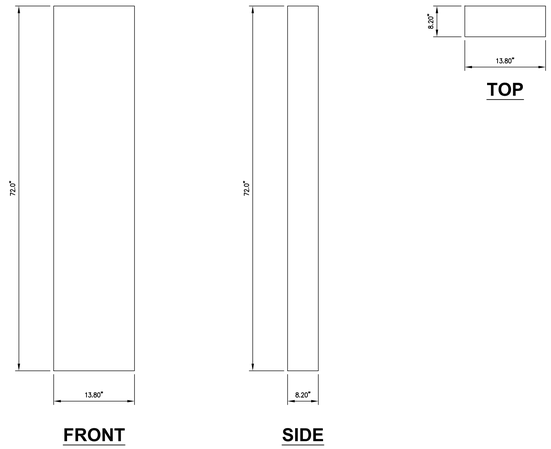


1 SAMSUNG MT6407-77A ANTENNA DETAIL
SCALE: NOT TO SCALE

COMMSCOPE PANEL ANTENNA (JAHH-65B-R3B)

DIMENSIONS, HxWxD: 72.0"x13.80"x8.20"

WEIGHT, W/O BRACKETS: 63.3 lbs



2 COMMSCOPE JAHH-65B-R3B ANTENNA DETAIL
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

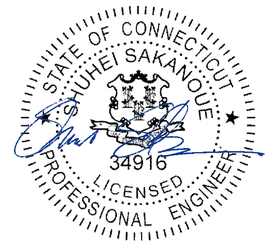
BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

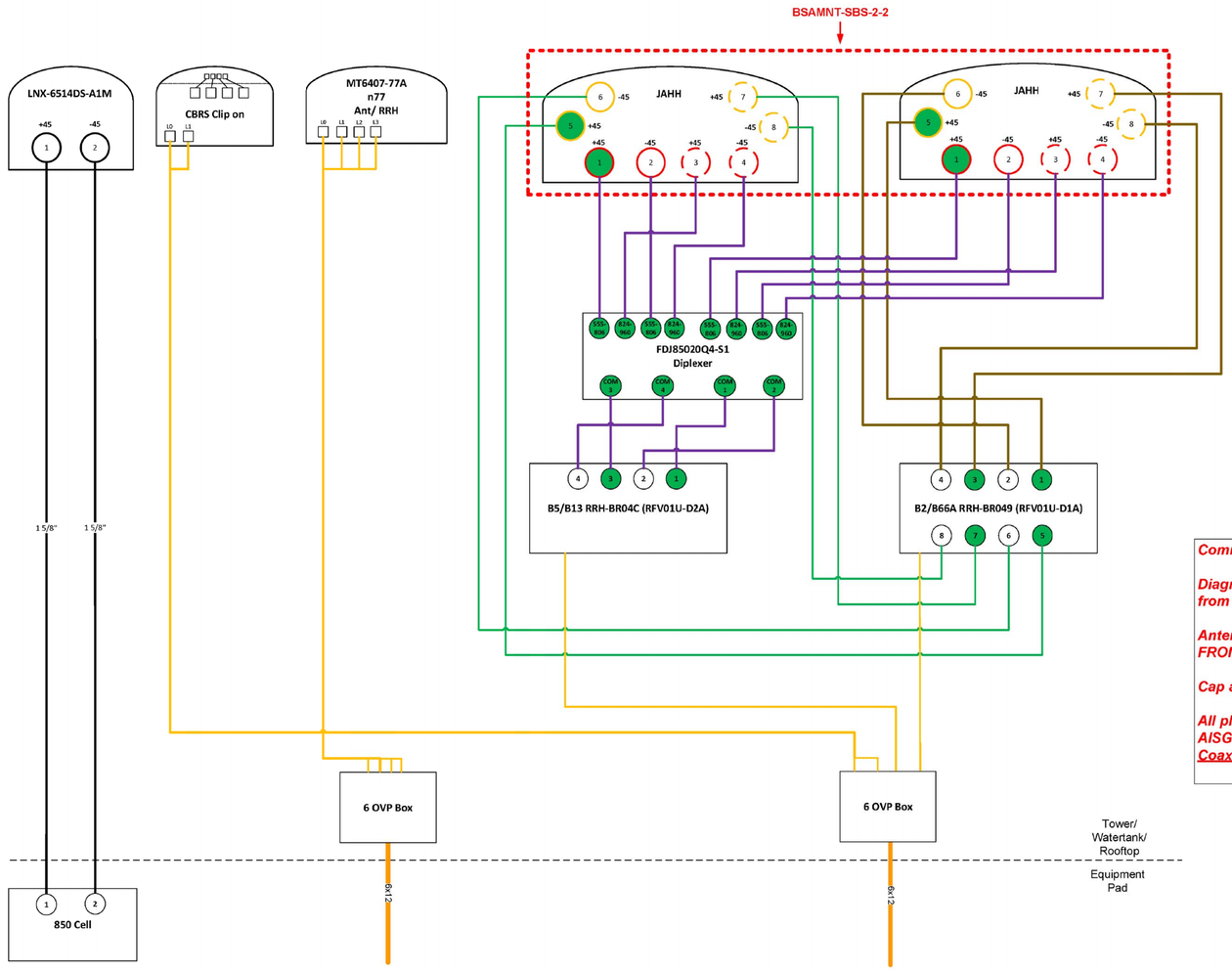


8/18/2021

SHEET NUMBER: C-5

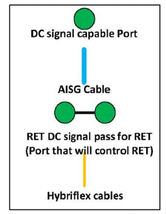
REVISION: 0

BSAMNT-SBS-2-2



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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

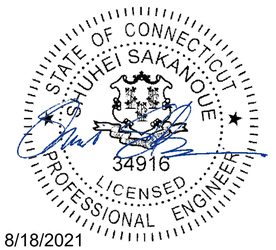
BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

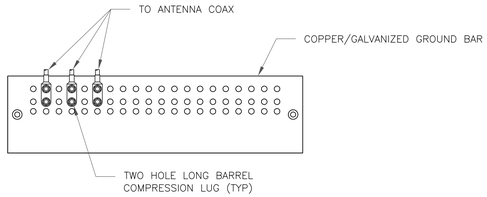
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--



SHEET NUMBER: C-6

REVISION: 0



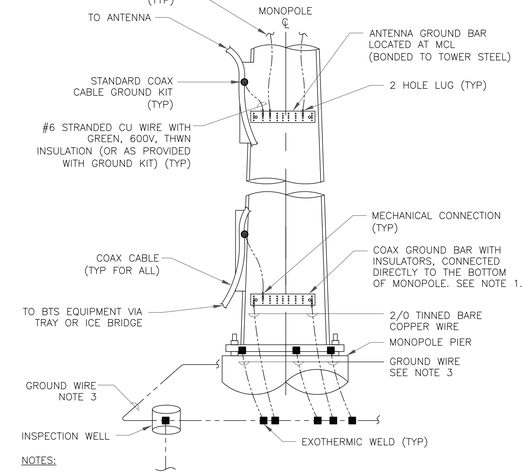
NOTES:

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

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

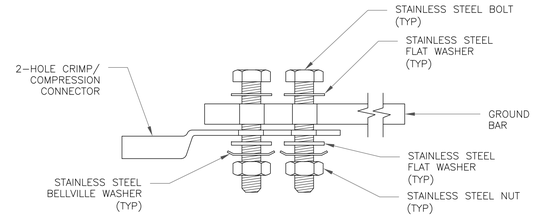
3 NOT USED
SCALE: NOT TO SCALE



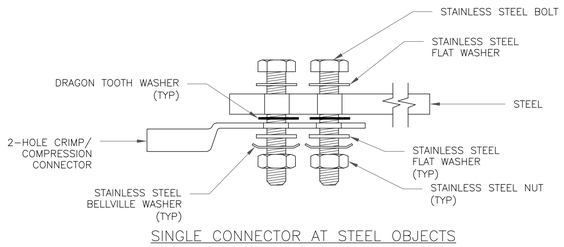
NOTES:

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

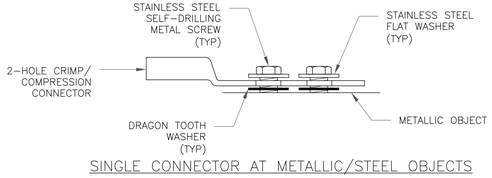
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

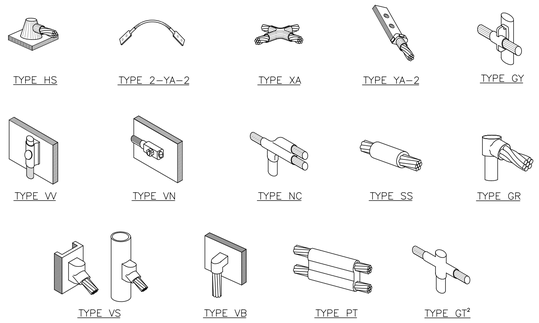
EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER
8/18/2021

SHEET NUMBER: G-1
REVISION: 0

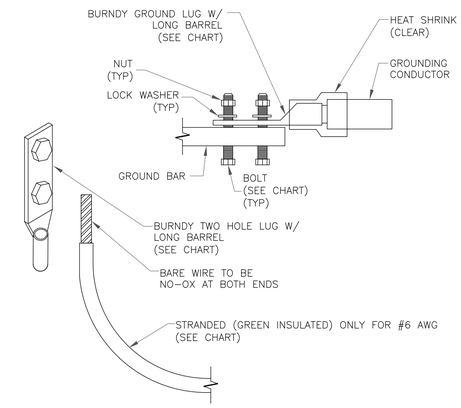


NOTE:

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

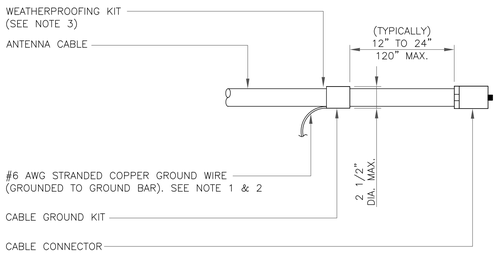
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" – 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" – 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" – 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" – 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" – 16 NC S 2 BOLT



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.

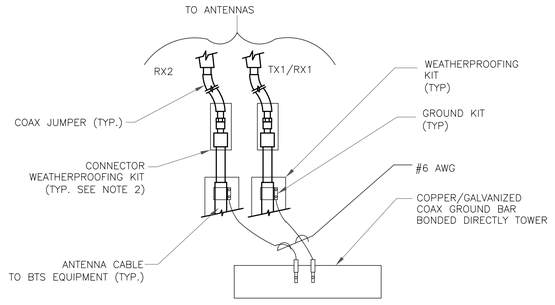
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

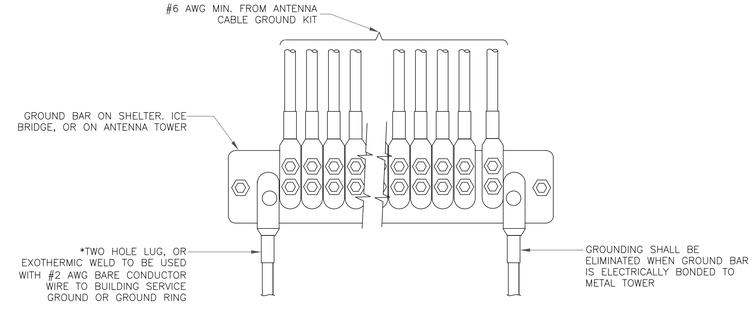
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



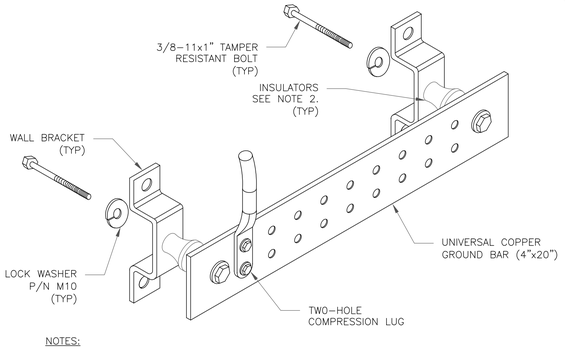
NOTES:

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



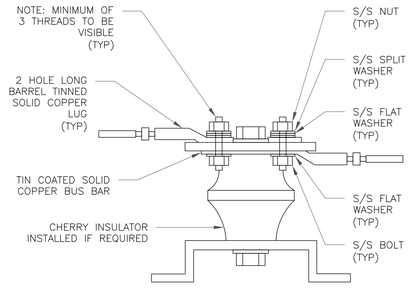
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



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 NOT USED
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
324366

BU #: **876342**
BIC DRIVE (SSUSA)

111 SCHOOL HOUSE RD
MILFORD, CT 06461

EXISTING 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	08/17/2021	RCD	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

8/18/2021

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **May 17, 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:	468062
	Site Name:	Milford 2 CT
Crown Castle Designation:	**BU Number:**	876342
	Site Name:	BIC DRIVE (SSUSA)
	JDE Job Number:	644639
	Work Order Number:	1961784
	Order Number:	552660 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25566.543148
Site Data:	**111 School House Road, a/k/a Bic Drive, Milford, New Haven County, CT 06460** **Latitude *41° 12' 46.06"*, Longitude *-73° 5' 7.10"*** **140 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 - 77.3%**

This analysis has been performed in accordance with the 2018 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 125 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Jarred Wallace, P.E. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

05/17/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 140-ft monopole tower designed by Paul J. Ford. 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:	125 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)
104.0	107.0	3	Samsung Telecom.	CBRS w/ Mount Pipe	8	1-5/8
	104.0	3	Andrew	LNX-6514DS-VTM w/ Mount Pipe		
		3	Samsung Telecom.	MT6407-77A w/ Mount Pipe		
		3	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	Commscope	JAHH-65B-R3B		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		2	Raycap	RRFDC-3315-PF-48		
		3	RFS Celwave	FDJ85020Q4-S1		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
		3	Commscope	BSAMNT-SBS-2-2		
		1	Site Pro 1	HRK-12		
		1	Site Pro 1	PRK-SFS-L		

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)
140.0	140.0	3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	3 1 1	1-1/4 1-5/8 1/2
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		9	RFS Celwave	ACU-A20-N		
		3	Alcatel Lucent	TD-RRH8X20-25		
		1	Tower Mounts	Platform Mount [LP 1201-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
137.0	137.0	3	Alcatel Lucent	TME-1900MHz RRH (65MHz)	-	-
		3	Alcatel Lucent	TME-800MHZ RRH		
		3	Alcatel Lucent	TME-800MHz 2x50W RRH W/FILTER		
		1	Tower Mounts	Side Arm Mount [SO 103-3]		
121.0	123.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	12 2 2 2	1-5/8 7/16 3/8 3/4
		3	Quintel Technology	QS66512-6 w/ Mount Pipe		
		3	CCI Antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		6	Powerwave Technologies	LGP21401		
		2	Commscope	WCS-IMFT-AMT-43		
		3	Ericsson	RRUS 32		
		3	Kaelus	DBC0061F1V51-2		
		3	Ericsson	RRUS12/RRUS A2		
		3	Ericsson	RRUS 11		
		1	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC6-48-60-18-8C		
	121.0	1	Tower Mounts	Platform Mount [LP 1201-1_HR-1]		
		6	Tower Mounts	SitePro1 SFS-V-L		
115.0	116.0	3	Ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	2 6 1	1-3/8 1-1/4 1-5/8
		3	Ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	RADIO 4449 B12/B71		
		3	Commscope	SDX1926Q-43		
		3	Ericsson	RRUS 4415 B25_CCIV2		
	115.0	3	Andrew	ETW200VS12UB		
		1	Tower Mounts	Platform Mount [LP 1201-1_KCKR-HR-1]		
95.0	95.0	1	Tower Mounts	Pipe Mount [PM 601-3]	6	1-5/8
80.0	82.0	1	Kathrein	OG-860/1920/GPS-A	1	1/2
	80.0	1	Tower Mounts	Side Arm Mount [SO 901-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1531894	CCISites
Tower Foundation Drawings	1631615	CCISites
Tower Manufacturer Drawings	1630877	CCISites
Tower Reinforcement Drawings	2547673	CCISites
Post-Modification Inspection	2547672	CCISites
Tower Reinforcement Drawings	6173982	CCISites
Post-Modification Inspection	6234048	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
140 - 135	Pole	TP17.015x16x0.25	Pole	6.4%	Pass
135 - 130	Pole	TP18.03x17.015x0.25	Pole	12.6%	Pass
130 - 125	Pole	TP19.045x18.03x0.25	Pole	17.9%	Pass
125 - 120	Pole	TP20.061x19.045x0.25	Pole	25.9%	Pass
120 - 115	Pole	TP21.076x20.061x0.25	Pole	36.2%	Pass
115 - 110	Pole	TP22.091x21.076x0.25	Pole	51.2%	Pass
110 - 105	Pole	TP23.106x22.091x0.25	Pole	63.2%	Pass
105 - 104	Pole	TP23.309x23.106x0.25	Pole	65.5%	Pass
104 - 103.75	Pole + Reinf.	TP23.36x23.309x0.46	Reinf. 14 Tension Rupture	60.5%	Pass
103.75 - 98.75	Pole + Reinf.	TP24.375x23.36x0.45	Reinf. 14 Tension Rupture	73.8%	Pass
98.75 - 98.25	Pole + Reinf.	TP24.476x24.375x0.45	Reinf. 14 Tension Rupture	75.0%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
98.25 - 98	Pole + Reinf.	TP24.527x24.476x0.72	Reinf. 14 Tension Rupture	48.4%	Pass
98 - 97	Pole + Reinf.	TP24.73x24.527x0.715	Reinf. 14 Tension Rupture	50.0%	Pass
97 - 96.75	Pole + Reinf.	TP24.781x24.73x0.505	Reinf. 9 Tension Rupture	60.0%	Pass
96.75 - 91.75	Pole + Reinf.	TP26.456x24.781x0.495	Reinf. 9 Tension Rupture	68.9%	Pass
91.75 - 88.17	Pole + Reinf.	TP26.023x25.296x0.5575	Reinf. 9 Tension Rupture	68.4%	Pass
88.17 - 87.92	Pole + Reinf.	TP26.074x26.023x0.7525	Reinf. 9 Tension Rupture	53.4%	Pass
87.92 - 82.92	Pole + Reinf.	TP27.089x26.074x0.7375	Reinf. 9 Tension Rupture	58.9%	Pass
82.92 - 77.92	Pole + Reinf.	TP28.104x27.089x0.7225	Reinf. 9 Tension Rupture	64.0%	Pass
77.92 - 72.92	Pole + Reinf.	TP29.12x28.104x0.7025	Reinf. 9 Tension Rupture	68.7%	Pass
72.92 - 68.25	Pole + Reinf.	TP30.068x29.12x0.6875	Reinf. 9 Tension Rupture	72.7%	Pass
68.25 - 67.98	Pole + Reinf.	TP30.123x30.068x0.8025	Reinf. 8 Tension Rupture	61.7%	Pass
67.98 - 67.83	Pole + Reinf.	TP30.153x30.123x0.8025	Reinf. 8 Tension Rupture	61.8%	Pass
67.83 - 62.83	Pole + Reinf.	TP31.168x30.153x0.7825	Reinf. 12 Tension Rupture	65.4%	Pass
62.83 - 57.83	Pole + Reinf.	TP32.184x31.168x0.7625	Reinf. 12 Tension Rupture	68.8%	Pass
57.83 - 52.83	Pole + Reinf.	TP33.199x32.184x0.7475	Reinf. 12 Tension Rupture	71.9%	Pass
52.83 - 51.5	Pole + Reinf.	TP34.332x33.199x0.7425	Reinf. 12 Tension Rupture	72.7%	Pass
51.5 - 46.5	Pole + Reinf.	TP33.859x32.844x0.8	Reinf. 12 Tension Rupture	71.7%	Pass
46.5 - 41.5	Pole + Reinf.	TP34.874x33.859x0.785	Reinf. 12 Tension Rupture	74.2%	Pass
41.5 - 37.75	Pole + Reinf.	TP35.636x34.874x0.775	Reinf. 12 Tension Rupture	75.9%	Pass
37.75 - 37.5	Pole + Reinf.	TP35.686x35.636x0.835	Reinf. 12 Tension Rupture	70.9%	Pass
37.5 - 32.5	Pole + Reinf.	TP36.702x35.686x0.82	Reinf. 12 Tension Rupture	73.0%	Pass
32.5 - 32.25	Pole + Reinf.	TP36.752x36.702x0.87	Reinf. 7 Tension Rupture	67.9%	Pass
32.25 - 27.75	Pole + Reinf.	TP37.666x36.752x0.855	Reinf. 7 Tension Rupture	69.5%	Pass
27.75 - 27.5	Pole + Reinf.	TP37.717x37.666x0.855	Reinf. 4 Tension Rupture	69.6%	Pass
27.5 - 23.25	Pole + Reinf.	TP38.58x37.717x0.84	Reinf. 4 Tension Rupture	71.0%	Pass
23.25 - 23	Pole + Reinf.	TP38.63x38.58x0.95	Reinf. 4 Tension Rupture	66.8%	Pass
23 - 20.75	Pole + Reinf.	TP39.087x38.63x0.94	Reinf. 4 Tension Rupture	67.5%	Pass
20.75 - 20.5	Pole + Reinf.	TP39.138x39.087x0.885	Reinf. 4 Tension Rupture	68.5%	Pass
20.5 - 15.5	Pole + Reinf.	TP40.153x39.138x0.87	Reinf. 4 Tension Rupture	70.0%	Pass
15.5 - 10.5	Pole + Reinf.	TP41.168x40.153x0.855	Reinf. 4 Tension Rupture	71.3%	Pass
10.5 - 5.5	Pole + Reinf.	TP42.183x41.168x0.84	Reinf. 4 Tension Rupture	72.6%	Pass
5.5 - 2	Pole + Reinf.	TP42.894x42.183x0.83	Reinf. 4 Tension Rupture	73.4%	Pass
2 - 1.75	Pole + Reinf.	TP42.945x42.894x0.81	Reinf. 4 Tension Rupture	74.8%	Pass
1.75 - 1.5	Pole + Reinf.	TP42.995x42.945x1.11	Reinf. 2 Compression	60.7%	Pass
1.5 - 0	Pole + Reinf.	TP43.3x42.995x1.1	Reinf. 2 Weldment	71.9%	Pass
				Summary	
			Pole	65.5%	Pass
			Reinforcement	75.9%	Pass
			Overall	**75.9%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	77.3	Pass
1,2	Base Plate	-	58.4	Pass
1,2	Base Foundation Soil Interaction	-	52.4	Pass
1,2	Base Foundation Structural	-	50.3	Pass

Structure Rating (max from all components) =	77.3%

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

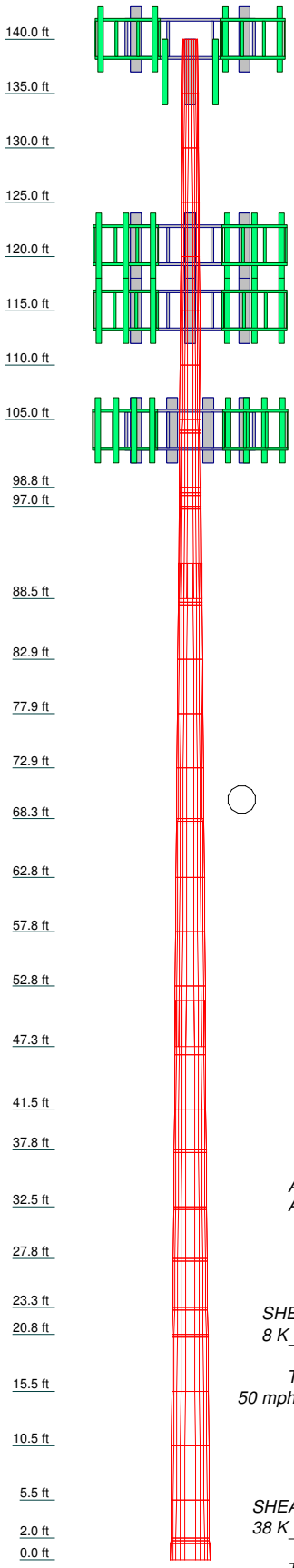
4.1) Recommendations

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Length (ft)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	8.25	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Number of Sides	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Thickness (in)	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.4950	0.2500	0.2500	0.7375	0.7225	0.7025	0.6875	0.6875	0.6875	0.7875	0.7625	0.7475	0.7425	0.8000	0.7850	0.7750	0.7750	0.8250	0.8125	0.8000	0.7875	0.7750	0.7625	0.7500	0.7375	0.8700	0.8550	0.8400	0.8300	0.8200	0.8100
Socket Length (ft)																																													
Top Dia (in)	16.0000	17.0151	18.0303	19.0454	20.0606	21.0757	22.0909	23.1060	24.1212	25.1363	26.1515	27.1666	28.1818	29.1969	30.2121	31.2272	32.2424	33.2575	34.2727	35.2878	36.3030	37.3181	38.3333	39.3484	40.3636	41.3787	42.3939	43.4090	44.4242	45.4393	46.4545	47.4696	48.4848	49.4999	50.5151	51.5302	52.5454	53.5605	54.5757	55.5908	56.6060	57.6211	58.6363	59.6514	60.6666
Bot Dia (in)	17.0151	18.0303	19.0454	20.0606	21.0757	22.0909	23.1060	24.1212	25.1363	26.1515	27.1666	28.1818	29.1969	30.2121	31.2272	32.2424	33.2575	34.2727	35.2878	36.3030	37.3181	38.3333	39.3484	40.3636	41.3787	42.3939	43.4090	44.4242	45.4393	46.4545	47.4696	48.4848	49.4999	50.5151	51.5302	52.5454	53.5605	54.5757	55.5908	56.6060	57.6211	58.6363	59.6514	60.6666
Grade	A607-65																																												
Weight (K)	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	1.0	0.7	0.8	1.0	1.1	1.1	1.0	1.1	1.1	1.2	1.3	1.3	1.5	1.4	1.4	1.1	0.1	1.6	0.1	1.5	0.1	1.5	0.1	0.9	0.1	1.8	1.9	1.9	1.3	0.1	31.5



ALL REACTIONS ARE FACTORED

AXIAL 108 K

SHEAR 8 K *MOMENT 883 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 66 K

SHEAR 38 K *MOMENT 3772 kip-ft*

TORQUE 0 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 75.9%

Tower Engineering Professional

Tower Engineering Professionals, Inc.
326 Tryon Road
Raleigh, NC 27603-5263
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: ***BIC DRIVE (SSUSA) (BU 876342)***			
Project: ***TEP No. 25566.543148***			
Client: Crown Castle	Drawn by: TLI	App'd:	
Code: TIA-222-H	Date: 05/17/21	Scale: NTS	
Path: C:\Users\tlinfante\Desktop\25566.543148 BIC DRIVE (SSUSA)\tnxTower\876342_1961784_LC7.er		Dwg No. E-1	

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 40.00 ft.
Basic wind speed of 125 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 56.00 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.0000 °F.
Deflections calculated using a wind speed of 60 mph.
TOWER RATING: 75.9%.
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	140.00-135.00	5.00	0.00	12	16.0000	17.0151	0.2500	1.0000	A607-65 (65 ksi)
L2	135.00-130.00	5.00	0.00	12	17.0151	18.0303	0.2500	1.0000	A607-65 (65 ksi)
L3	130.00-125.00	5.00	0.00	12	18.0303	19.0454	0.2500	1.0000	A607-65 (65 ksi)
L4	125.00-120.00	5.00	0.00	12	19.0454	20.0606	0.2500	1.0000	A607-65 (65 ksi)
L5	120.00-115.00	5.00	0.00	12	20.0606	21.0757	0.2500	1.0000	A607-65 (65 ksi)
L6	115.00-110.00	5.00	0.00	12	21.0757	22.0909	0.2500	1.0000	A607-65 (65 ksi)
L7	110.00-105.00	5.00	0.00	12	22.0909	23.1060	0.2500	1.0000	A607-65 (65 ksi)
L8	105.00-104.00	1.00	0.00	12	23.1060	23.3090	0.2500	1.0000	A607-65 (65 ksi)
L9	104.00-103.75	0.25	0.00	12	23.3090	23.3598	0.4600	1.8400	A607-65 (65 ksi)
L10	103.75-98.75	5.00	0.00	12	23.3598	24.3750	0.4500	1.8000	A607-65 (65 ksi)
L11	98.75-98.25	0.50	0.00	12	24.3750	24.4765	0.4500	1.8000	A607-65 (65 ksi)
L12	98.25-98.00	0.25	0.00	12	24.4765	24.5272	0.7200	2.8800	A607-65 (65 ksi)
L13	98.00-97.00	1.00	0.00	12	24.5272	24.7303	0.7150	2.8600	A607-65 (65 ksi)
L14	97.00-96.75	0.25	0.00	12	24.7303	24.7810	0.5050	2.0200	A607-65 (65 ksi)
L15	96.75-88.50	8.25	3.25	12	24.7810	26.4560	0.4950	1.9800	A607-65 (65 ksi)
L16	88.50-88.17	3.58	0.00	12	25.2962	26.0231	0.5575	2.2300	A607-65 (65 ksi)
L17	88.17-87.92	0.25	0.00	12	26.0231	26.0738	0.7525	3.0100	A607-65 (65 ksi)
L18	87.92-82.92	5.00	0.00	12	26.0738	27.0891	0.7375	2.9500	A607-65 (65 ksi)
L19	82.92-77.92	5.00	0.00	12	27.0891	28.1044	0.7225	2.8900	A607-65 (65 ksi)
L20	77.92-72.92	5.00	0.00	12	28.1044	29.1196	0.7025	2.8100	A607-65 (65 ksi)
L21	72.92-68.25	4.67	0.00	12	29.1196	30.0679	0.6875	2.7500	A607-65 (65 ksi)
L22	68.25-67.98	0.27	0.00	12	30.0679	30.1227	0.8025	3.2100	A607-65 (65 ksi)
L23	67.98-67.83	0.15	0.00	12	30.1227	30.1532	0.8025	3.2100	A607-65 (65 ksi)
L24	67.83-62.83	5.00	0.00	12	30.1532	31.1684	0.7825	3.1300	A607-65 (65 ksi)
L25	62.83-57.83	5.00	0.00	12	31.1684	32.1837	0.7625	3.0500	A607-65 (65 ksi)
L26	57.83-52.83	5.00	0.00	12	32.1837	33.1990	0.7475	2.9900	A607-65 (65 ksi)
L27	52.83-47.25	5.58	4.25	12	33.1990	34.3320	0.7425	2.9700	A607-65 (65 ksi)
L28	47.25-46.50	5.00	0.00	12	32.8440	33.8592	0.8000	3.2000	A607-65 (65 ksi)
L29	46.50-41.50	5.00	0.00	12	33.8592	34.8743	0.7850	3.1400	A607-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L30	41.50-37.75	3.75	0.00	12	34.8743	35.6357	0.7750	3.1000	A607-65 (65 ksi)
L31	37.75-37.50	0.25	0.00	12	35.6357	35.6864	0.8350	3.3400	A607-65 (65 ksi)
L32	37.50-32.50	5.00	0.00	12	35.6864	36.7016	0.8200	3.2800	A607-65 (65 ksi)
L33	32.50-32.25	0.25	0.00	12	36.7016	36.7523	0.8700	3.4800	A607-65 (65 ksi)
L34	32.25-27.75	4.50	0.00	12	36.7523	37.6660	0.8550	3.4200	A607-65 (65 ksi)
L35	27.75-27.50	0.25	0.00	12	37.6660	37.7167	0.8550	3.4200	A607-65 (65 ksi)
L36	27.50-23.25	4.25	0.00	12	37.7167	38.5796	0.8400	3.3600	A607-65 (65 ksi)
L37	23.25-23.00	0.25	0.00	12	38.5796	38.6303	0.9500	3.8000	A607-65 (65 ksi)
L38	23.00-20.75	2.25	0.00	12	38.6303	39.0872	0.9400	3.7600	A607-65 (65 ksi)
L39	20.75-20.50	0.25	0.00	12	39.0872	39.1379	0.8850	3.5400	A607-65 (65 ksi)
L40	20.50-15.50	5.00	0.00	12	39.1379	40.1531	0.8700	3.4800	A607-65 (65 ksi)
L41	15.50-10.50	5.00	0.00	12	40.1531	41.1682	0.8550	3.4200	A607-65 (65 ksi)
L42	10.50-5.50	5.00	0.00	12	41.1682	42.1833	0.8400	3.3600	A607-65 (65 ksi)
L43	5.50-2.00	3.50	0.00	12	42.1833	42.8939	0.8300	3.3200	A607-65 (65 ksi)
L44	2.00-1.75	0.25	0.00	12	42.8939	42.9447	0.8100	3.2400	A607-65 (65 ksi)
L45	1.75-1.50	0.25	0.00	12	42.9447	42.9955	1.1100	4.4400	A607-65 (65 ksi)
L46	1.50-0.00	1.50		12	42.9955	43.3000	1.1000	4.4000	A607-65 (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	16.4762	12.6788	401.4426	5.6385	8.2880	48.4366	813.4316	6.2401	3.6180	14.472
	17.5272	13.4959	484.1766	6.0019	8.8138	54.9336	981.0731	6.6423	3.8901	15.56
L2	17.5272	13.4959	484.1766	6.0019	8.8138	54.9336	981.0731	6.6423	3.8901	15.56
	18.5781	14.3131	577.5618	6.3653	9.3397	61.8395	1170.2967	7.0445	4.1621	16.648
L3	18.5781	14.3131	577.5618	6.3653	9.3397	61.8395	1170.2967	7.0445	4.1621	16.648
	19.6291	15.1303	682.2430	6.7288	9.8655	69.1542	1382.4093	7.4467	4.4342	17.737
L4	19.6291	15.1303	682.2430	6.7288	9.8655	69.1542	1382.4093	7.4467	4.4342	17.737
	20.6801	15.9475	798.8653	7.0922	10.3914	76.8777	1618.7177	7.8489	4.7062	18.825
L5	20.6801	15.9475	798.8653	7.0922	10.3914	76.8777	1618.7177	7.8489	4.7062	18.825
	21.7310	16.7647	928.0736	7.4556	10.9172	85.0100	1880.5287	8.2511	4.9783	19.913
L6	21.7310	16.7647	928.0736	7.4556	10.9172	85.0100	1880.5287	8.2511	4.9783	19.913
	22.7820	17.5819	1070.5128	7.8190	11.4431	93.5512	2169.1491	8.6533	5.2504	21.001
L7	22.7820	17.5819	1070.5128	7.8190	11.4431	93.5512	2169.1491	8.6533	5.2504	21.001
	23.8329	18.3991	1226.8278	8.1825	11.9689	102.5011	2485.8858	9.0555	5.5224	22.09
L8	23.8329	18.3991	1226.8278	8.1825	11.9689	102.5011	2485.8858	9.0555	5.5224	22.09
	24.0431	18.5625	1259.8127	8.2551	12.0741	104.3402	2552.7221	9.1359	5.5768	22.307
L9	23.9690	33.8440	2255.2984	8.1800	12.0741	186.7883	4569.8460	16.6570	5.0140	10.9

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
	24.0216	33.9192	2270.3617	8.1981	12.1004	187.6273	4600.3683	16.6940	5.0276	10.93
L10	24.0251	33.1963	2223.9169	8.2017	12.1004	183.7890	4506.2586	16.3382	5.0544	11.232
	25.0761	34.6673	2532.8387	8.5651	12.6262	200.6014	5132.2179	17.0622	5.3265	11.837
L11	25.0761	34.6673	2532.8387	8.5651	12.6262	200.6014	5132.2179	17.0622	5.3265	11.837
	25.1812	34.8143	2565.2165	8.6015	12.6788	202.3231	5197.8241	17.1346	5.3537	11.897
L12	25.0859	55.0770	3967.5264	8.5048	12.6788	312.9258	8039.2842	27.1072	4.6301	6.431
	25.1385	55.1947	3993.0114	8.5230	12.7051	314.2841	8090.9237	27.1651	4.6437	6.45
L13	25.1402	54.8229	3967.7811	8.5248	12.7051	312.2983	8039.8002	26.9822	4.6571	6.513
	25.3504	55.2903	4070.1398	8.5975	12.8103	317.7247	8247.2068	27.2122	4.7115	6.59
L14	25.4245	39.3927	2950.7888	8.6726	12.8103	230.3455	5979.0982	19.3879	5.2743	10.444
	25.4770	39.4752	2969.3754	8.6908	12.8366	231.3217	6016.7596	19.4285	5.2879	10.471
L15	25.4806	38.7095	2914.1742	8.6944	12.8366	227.0214	5904.9071	19.0516	5.3147	10.737
	27.2146	41.3792	3559.6826	9.2940	13.7042	259.7511	7212.8820	20.3656	5.7636	11.644
L16	26.6750	44.4096	3469.0852	8.8564	13.1034	264.7468	7029.3071	21.8571	5.2853	9.48
	26.7444	45.7145	3783.9694	9.1167	13.4800	280.7108	7667.3478	22.4993	5.4801	9.83
L17	26.6756	61.2319	4991.0757	9.0469	13.4800	370.2590	10113.2726	30.1365	4.9575	6.588
	26.7282	61.3549	5021.2142	9.0650	13.5063	371.7696	10174.3413	30.1970	4.9711	6.606
L18	26.7335	60.1675	4929.8743	9.0704	13.5063	365.0068	9989.2620	29.6126	5.0113	6.795
	27.7845	62.5785	5546.5807	9.4339	14.0322	395.2764	11238.8763	30.7992	5.2834	7.164
L19	27.7898	61.3406	5443.0533	9.4392	14.0322	387.8985	11029.1017	30.1900	5.3236	7.368
	28.8409	63.7026	6096.3400	9.8027	14.5581	418.7603	12352.8376	31.3525	5.5957	7.745
L20	28.8480	61.9844	5940.5813	9.8099	14.5581	408.0612	12037.2284	30.5068	5.6493	8.042
	29.8991	64.2810	6625.6598	10.1733	15.0840	439.2517	13425.3831	31.6371	5.9214	8.429
L21	29.9043	62.9416	6494.4601	10.1787	15.0840	430.5537	13159.5370	30.9780	5.9616	8.671
	30.8861	65.0408	7166.1740	10.5182	15.5752	460.1025	14520.6114	32.0111	6.2157	9.041
L22	30.8455	75.6232	8267.0387	10.4770	15.5752	530.7832	16751.2616	37.2195	5.9075	7.361
	30.9022	75.7649	8313.5868	10.4966	15.6036	532.8004	16845.5808	37.2892	5.9222	7.38
L23	30.9022	75.7649	8313.5868	10.4966	15.6036	532.8004	16845.5808	37.2892	5.9222	7.38
	30.9338	75.8436	8339.5223	10.5075	15.6193	533.9227	16898.1331	37.3279	5.9304	7.39
L24	30.9408	74.0038	8148.3182	10.5147	15.6193	521.6812	16510.7018	36.4224	5.9840	7.647
	31.9919	76.5619	9022.8587	10.8782	16.1453	558.8553	18282.7580	37.6815	6.2560	7.995
L25	31.9990	74.6542	8809.6151	10.8853	16.1453	545.6474	17850.6686	36.7425	6.3096	8.275
	33.0500	77.1469	9721.8760	11.2488	16.6712	583.1554	19699.1565	37.9694	6.5817	8.632
L26	33.0553	75.6654	9544.2818	11.2542	16.6712	572.5026	19339.3025	37.2402	6.6219	8.859
	34.1064	78.1091	10499.1945	11.6176	17.1971	610.5225	21274.2145	38.4429	6.8940	9.223
L27	34.1082	77.5985	10433.7871	11.6194	17.1971	606.7191	21141.6814	38.1916	6.9074	9.303
	35.2812	80.3075	11565.0868	12.0250	17.7840	650.3094	23434.0013	39.5249	7.2111	9.712
L28	34.6137	82.5454	10818.6492	11.4718	17.0132	635.8972	21921.5163	40.6263	6.6582	8.323
	34.7714	85.1604	11879.7585	11.8352	17.5390	677.3319	24071.6116	41.9134	6.9303	8.663
L29	34.7767	83.6016	11672.8877	11.8406	17.5390	665.5371	23652.4352	41.1462	6.9705	8.88
	35.8276	86.1676	12781.0401	12.2040	18.0649	707.5071	25897.8524	42.4090	7.2425	9.226
L30	35.8312	85.0948	12629.3321	12.2076	18.0649	699.1091	25590.4509	41.8811	7.2693	9.38
	36.6194	86.9948	13494.3105	12.4801	18.4593	731.0314	27343.1315	42.8162	7.4734	9.643
L31	36.5982	93.5686	14464.0894	12.4586	18.4593	783.5675	29308.1666	46.0516	7.3126	8.758
	36.6508	93.7050	14527.4699	12.4768	18.4856	785.8817	29436.5925	46.1188	7.3262	8.774
L32	36.6560	92.0613	14284.9261	12.4822	18.4856	772.7610	28945.1332	45.3098	7.3664	8.983
	37.7070	94.7417	15569.3320	12.8456	19.0114	818.9466	31547.6878	46.6290	7.6384	9.315
L33	37.6894	100.3786	16449.7227	12.8277	19.0114	865.2551	33331.5980	49.4033	7.5044	8.626
	37.7419	100.5208	16519.7273	12.8459	19.0377	867.7373	33473.4462	49.4733	7.5180	8.641
L34	37.7472	98.8289	16255.2731	12.8512	19.0377	853.8462	32937.5903	48.6406	7.5582	8.84
	38.6931	101.3442	17528.2766	13.1783	19.5110	898.3808	35517.0406	49.8786	7.8031	9.126
L35	38.6931	101.3442	17528.2766	13.1783	19.5110	898.3808	35517.0406	49.8786	7.8031	9.126
	38.7456	101.4840	17600.8838	13.1965	19.5373	900.8882	35664.1624	49.9473	7.8167	9.142
L36	38.7509	99.7441	17313.2148	13.2019	19.5373	886.1640	35081.2669	49.0910	7.8569	9.353
	39.6442	102.0780	18557.2002	13.5108	19.9842	928.5924	37601.9188	50.2397	8.0881	9.629
L37	39.6054	115.1089	20804.3283	13.4714	19.9842	1041.0375	42155.2095	56.6531	7.7933	8.204
	39.6579	115.2642	20888.6285	13.4896	20.0105	1043.8825	42326.0245	56.7295	7.8069	8.218
L38	39.6615	114.0811	20685.2084	13.4931	20.0105	1033.7168	41913.8403	56.1473	7.8337	8.334
	40.1344	115.4638	21446.4876	13.6567	20.2471	1059.2350	43456.3984	56.8278	7.9562	8.464
L39	40.1538	108.8647	20279.1019	13.6764	20.2471	1001.5783	41090.9585	53.5799	8.1036	9.157
	40.2064	109.0093	20360.0406	13.6945	20.2734	1004.2717	41254.9622	53.6511	8.1172	9.172
L40	40.2116	107.2037	20038.5097	13.6999	20.2734	988.4120	40603.4533	52.7624	8.1574	9.376

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
	41.2626	110.0476	21675.8874	14.0633	20.7993	1042.1459	43921.2244	54.1621	8.4294	9.689
L41	41.2679	108.1915	21326.5768	14.0687	20.7993	1025.3515	43213.4265	53.2486	8.4696	9.906
	42.3188	110.9863	23022.3546	14.4321	21.3251	1079.5881	46649.5322	54.6241	8.7417	10.224
L42	42.3241	109.0797	22643.7111	14.4375	21.3251	1061.8324	45882.2978	53.6857	8.7819	10.455
	43.3751	111.8255	24397.0809	14.8009	21.8510	1116.5216	49435.1003	55.0371	9.0539	10.778
L43	43.3786	110.5209	24124.1362	14.8045	21.8510	1104.0304	48882.0404	54.3950	9.0807	10.941
	44.1143	112.4201	25389.2486	15.0589	22.2191	1142.6787	51445.5010	55.3298	9.2712	11.17
L44	44.1213	109.7633	24812.8188	15.0661	22.2191	1116.7356	50277.4980	54.0222	9.3248	11.512
	44.1739	109.8957	24902.7069	15.0842	22.2454	1119.4565	50459.6356	54.0873	9.3384	11.529
L45	44.0681	149.5256	33402.1771	14.9768	22.2454	1501.5349	67681.8667	73.5919	8.5344	7.689
	44.1206	149.7070	33523.9032	14.9950	22.2716	1505.2279	67928.5166	73.6812	8.5480	7.701
L46	44.1241	148.3937	33245.6865	14.9986	22.2716	1492.7359	67364.7742	73.0349	8.5748	7.795
	44.4394	149.4724	33975.9696	15.1076	22.4294	1514.7962	68844.5258	73.5658	8.6564	7.869

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 140.00-135.00				1	1	1			
L2 135.00-130.00				1	1	1			
L3 130.00-125.00				1	1	1			
L4 125.00-120.00				1	1	1			
L5 120.00-115.00				1	1	1			
L6 115.00-110.00				1	1	1			
L7 110.00-105.00				1	1	1			
L8 105.00-104.00				1	1	1			
L9 104.00-103.75				1	1	0.947038			
L10 103.75-98.75				1	1	0.950174			
L11 98.75-98.25				1	1	0.948507			
L12 98.25-98.00				1	1	0.906552			
L13 98.00-97.00				1	1	0.907939			
L14 97.00-96.75				1	1	0.930248			
L15 96.75-88.50				1	1	0.930852			
L16 88.50-88.17				1	1	0.937242			
L17 88.17-87.92				1	1	0.992952			
L18 87.92-82.92				1	1	0.989862			
L19 82.92-77.92				1	1	0.988432			
L20 77.92-72.92				1	1	0.995431			
L21 72.92-68.25				1	1	0.998472			

Tower Elevation ft	Gusset Area (per face) ft²	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
L22 68.25-67.98				1	1	0.969694			
L23 67.98-67.83				1	1	0.969092			
L24 67.83-62.83				1	1	0.973343			
L25 62.83-57.83				1	1	0.979205			
L26 57.83-52.83				1	1	0.980222			
L27 52.83-47.25				1	1	0.982002			
L28 47.25-46.50				1	1	0.985251			
L29 46.50-41.50				1	1	0.987961			
L30 41.50-37.75				1	1	0.989134			
L31 37.75-37.50				1	1	0.978269			
L32 37.50-32.50				1	1	0.980503			
L33 32.50-32.25				1	1	0.988253			
L34 32.25-27.75				1	1	0.991109			
L35 27.75-27.50				1	1	0.990348			
L36 27.50-23.25				1	1	0.994792			
L37 23.25-23.00				1	1	1.0287			
L38 23.00-20.75				1	1	1.0317			
L39 20.75-20.50				1	1	0.998539			
L40 20.50-15.50				1	1	1.00026			
L41 15.50-10.50				1	1	1.00284			
L42 10.50-5.50				1	1	1.00628			
L43 5.50-2.00				1	1	1.00859			
L44 2.00-1.75				1	1	0.96824			
L45 1.75-1.50				1	1	0.836056			
L46 1.50-0.00				1	1	0.839829			

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
**										
HCS 6X12 6AWG(1-3/8)	B	No	Surface Ar (CaAa)	115.00 - 0.00	2	2	0.500 0.500	1.3800		1.70

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
LDF6-50A(1-1/4)	B	No	Surface Ar (CaAa)	115.00 - 0.00	6	6	0.500 0.500	1.5500		0.60
**										
CR 50 1873(1-5/8)	C	No	Surface Ar (CaAa)	95.00 - 0.00	6	6	0.500 0.500	1.9800		0.83
**										
Mods										
MP3-08 (1.25in)	C	No	Surface Af (CaAa)	31.75 - 0.00	1	1	0.500 0.500	7.9300	21.4600	0.00
MP3-08 (1.25in)	A	No	Surface Af (CaAa)	31.75 - 0.00	1	1	0.500 0.500	7.9300	21.4600	0.00
***										
MP3-06 (1.25in)	C	No	Surface Af (CaAa)	26.75 - 0.00	1	1	-0.250 -0.250	6.8900	19.0000	0.00
MP3-06 (1.25in)	B	No	Surface Af (CaAa)	26.75 - 0.00	1	1	0.250 0.250	6.8900	19.0000	0.00
***										
MP3-08 (1.25in)	B	No	Surface Af (CaAa)	31.75 - 16.75	1	1	0.500 0.500	7.9300	21.4600	0.00
***										
MP3-08 (1.25in)	C	No	Surface Af (CaAa)	41.75 - 31.75	1	1	0.500 0.500	7.9300	21.4600	0.00
MP3-08 (1.25in)	B	No	Surface Af (CaAa)	41.75 - 31.75	1	1	0.500 0.500	7.9300	21.4600	0.00
MP3-08 (1.25in)	A	No	Surface Af (CaAa)	41.75 - 31.75	1	1	0.500 0.500	7.9300	21.4600	0.00
***										
MP3-06 (1.25in)	C	No	Surface Af (CaAa)	71.75 - 41.75	1	1	0.500 0.500	6.8900	19.0000	0.00
MP3-06 (1.25in)	B	No	Surface Af (CaAa)	71.75 - 41.75	1	1	0.500 0.500	6.8900	19.0000	0.00
MP3-06 (1.25in)	A	No	Surface Af (CaAa)	71.75 - 41.75	1	1	0.500 0.500	6.8900	19.0000	0.00
***										
MP3-05 (1.25in)	C	No	Surface Af (CaAa)	100.75 - 71.75	1	1	0.500 0.500	5.3300	14.8400	0.00
MP3-05 (1.25in)	B	No	Surface Af (CaAa)	100.75 - 71.75	1	1	0.500 0.500	5.3300	14.8400	0.00
MP3-05 (1.25in)	A	No	Surface Af (CaAa)	100.75 - 71.75	1	1	0.500 0.500	5.3300	14.8400	0.00
***										
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.250 0.250	6.5000	15.5000	0.00
***										
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	70.58 - 35.50	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	70.58 - 35.50	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	70.58 - 35.50	1	1	0.250 0.250	6.0000	14.0000	0.00
***										
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	90.67 - 70.58	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	90.67 - 70.58	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100	A	No	Surface Af	90.67 -	1	1	0.250	6.0000	14.0000	0.00

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
(H) ***			(CaAa)	70.58			0.250			
(Area) CCI-65FP-045100 (H)	A	No	Surface Af (CaAa)	105.50 - 95.50	1	1	0.000 0.000	4.5000	11.0000	0.00
(Area) CCI-65FP-045100 (H)	C	No	Surface Af (CaAa)	105.50 - 95.50	1	1	0.000 0.000	4.5000	11.0000	0.00
(Area) CCI-65FP-045100 (H) ***	B	No	Surface Af (CaAa)	105.50 - 95.50	1	1	0.000 0.000	4.5000	11.0000	0.00

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
***									
LDF4-50A(1/2)	C	No	No	Inside Pole	140.00 - 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
LDF7-50A(1-5/8)	C	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
HB114-1-0813U4-M5J(1-1/4)	C	No	No	Inside Pole	140.00 - 0.00	3	No Ice	0.00	1.20
							1/2" Ice	0.00	1.20
							1" Ice	0.00	1.20
							2" Ice	0.00	1.20
**									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	121.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-002-75000 (3/8)	C	No	No	Inside Pole	121.00 - 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
WR-VG122ST-BRDA(7/16)	C	No	No	Inside Pole	121.00 - 0.00	2	No Ice	0.00	0.14
							1/2" Ice	0.00	0.14
							1" Ice	0.00	0.14
							2" Ice	0.00	0.14
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	121.00 - 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	121.00 - 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
2 1/2" (Nominal) Conduit	C	No	No	Inside Pole	121.00 - 0.00	2	No Ice	0.00	7.75
							1/2" Ice	0.00	7.75
							1" Ice	0.00	7.75
							2" Ice	0.00	7.75
HJ7-50A(1-5/8)	B	No	No	Inside Pole	115.00 - 0.00	1	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							2" Ice	0.00	1.04
**									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	104.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
HB158-1-08U8-S8J18(1-5/8)	A	No	No	Inside Pole	104.00 - 0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
**									
LDF4-50A(1/2)	C	No	No	Inside Pole	80.00 - 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
**									
***									

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	140.00-135.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L2	135.00-130.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L3	130.00-125.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L4	125.00-120.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L5	120.00-115.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.16
L6	115.00-110.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	6.030	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.16
L7	110.00-105.00	A	0.000	0.000	0.375	0.000	0.00
		B	0.000	0.000	6.405	0.000	0.04
		C	0.000	0.000	0.375	0.000	0.16
L8	105.00-104.00	A	0.000	0.000	0.750	0.000	0.00
		B	0.000	0.000	1.956	0.000	0.01
		C	0.000	0.000	0.750	0.000	0.03
L9	104.00-103.75	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.489	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.01
L10	103.75-98.75	A	0.000	0.000	5.527	0.000	0.04
		B	0.000	0.000	11.557	0.000	0.04
		C	0.000	0.000	5.527	0.000	0.16
L11	98.75-98.25	A	0.000	0.000	0.819	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	1.422	0.000	0.00
		C	0.000	0.000	0.819	0.000	0.02
L12	98.25-98.00	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.711	0.000	0.00
		C	0.000	0.000	0.410	0.000	0.01
L13	98.00-97.00	A	0.000	0.000	1.638	0.000	0.01
		B	0.000	0.000	2.844	0.000	0.01
		C	0.000	0.000	1.638	0.000	0.03
L14	97.00-96.75	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.711	0.000	0.00
		C	0.000	0.000	0.410	0.000	0.01
L15	96.75-88.50	A	0.000	0.000	10.436	0.000	0.06
		B	0.000	0.000	20.386	0.000	0.07
		C	0.000	0.000	18.158	0.000	0.29
L16	88.50-88.17	A	0.000	0.000	0.623	0.000	0.00
		B	0.000	0.000	1.021	0.000	0.00
		C	0.000	0.000	1.015	0.000	0.01
L17	88.17-87.92	A	0.000	0.000	0.472	0.000	0.00
		B	0.000	0.000	0.774	0.000	0.00
		C	0.000	0.000	0.769	0.000	0.01
L18	87.92-82.92	A	0.000	0.000	9.442	0.000	0.04
		B	0.000	0.000	15.472	0.000	0.04
		C	0.000	0.000	15.382	0.000	0.18
L19	82.92-77.92	A	0.000	0.000	9.442	0.000	0.04
		B	0.000	0.000	15.472	0.000	0.04
		C	0.000	0.000	15.382	0.000	0.18
L20	77.92-72.92	A	0.000	0.000	9.442	0.000	0.04
		B	0.000	0.000	15.472	0.000	0.04
		C	0.000	0.000	15.382	0.000	0.18
L21	72.92-68.25	A	0.000	0.000	9.729	0.000	0.04
		B	0.000	0.000	15.361	0.000	0.04
		C	0.000	0.000	15.276	0.000	0.17
L22	68.25-67.98	A	0.000	0.000	0.580	0.000	0.00
		B	0.000	0.000	0.906	0.000	0.00
		C	0.000	0.000	0.901	0.000	0.01
L23	67.98-67.83	A	0.000	0.000	0.322	0.000	0.00
		B	0.000	0.000	0.503	0.000	0.00
		C	0.000	0.000	0.500	0.000	0.01
L24	67.83-62.83	A	0.000	0.000	10.742	0.000	0.04
		B	0.000	0.000	16.772	0.000	0.04
		C	0.000	0.000	16.682	0.000	0.18
L25	62.83-57.83	A	0.000	0.000	10.742	0.000	0.04
		B	0.000	0.000	16.772	0.000	0.04
		C	0.000	0.000	16.682	0.000	0.18
L26	57.83-52.83	A	0.000	0.000	10.742	0.000	0.04
		B	0.000	0.000	16.772	0.000	0.04
		C	0.000	0.000	16.682	0.000	0.18
L27	52.83-47.25	A	0.000	0.000	11.988	0.000	0.04
		B	0.000	0.000	18.717	0.000	0.04
		C	0.000	0.000	18.617	0.000	0.20
L28	47.25-46.50	A	0.000	0.000	1.611	0.000	0.01
		B	0.000	0.000	2.516	0.000	0.01
		C	0.000	0.000	2.502	0.000	0.03
L29	46.50-41.50	A	0.000	0.000	10.726	0.000	0.04
		B	0.000	0.000	16.756	0.000	0.04
		C	0.000	0.000	16.666	0.000	0.18
L30	41.50-37.75	A	0.000	0.000	7.820	0.000	0.03
		B	0.000	0.000	12.342	0.000	0.03
		C	0.000	0.000	12.275	0.000	0.14
L31	37.75-37.50	A	0.000	0.000	0.521	0.000	0.00
		B	0.000	0.000	0.823	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
		C	0.000	0.000	0.818	0.000	0.01
L32	37.50-32.50	A	0.000	0.000	10.676	0.000	0.04
		B	0.000	0.000	16.706	0.000	0.04
		C	0.000	0.000	16.616	0.000	0.18
L33	32.50-32.25	A	0.000	0.000	0.542	0.000	0.00
		B	0.000	0.000	0.844	0.000	0.00
		C	0.000	0.000	0.839	0.000	0.01
L34	32.25-27.75	A	0.000	0.000	10.704	0.000	0.03
		B	0.000	0.000	15.814	0.000	0.04
		C	0.000	0.000	16.050	0.000	0.16
L35	27.75-27.50	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	0.883	0.000	0.00
		C	0.000	0.000	0.898	0.000	0.01
L36	27.50-23.25	A	0.000	0.000	10.221	0.000	0.03
		B	0.000	0.000	19.029	0.000	0.03
		C	0.000	0.000	19.289	0.000	0.16
L37	23.25-23.00	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	1.170	0.000	0.00
		C	0.000	0.000	1.185	0.000	0.01
L38	23.00-20.75	A	0.000	0.000	5.411	0.000	0.02
		B	0.000	0.000	10.530	0.000	0.02
		C	0.000	0.000	10.668	0.000	0.08
L39	20.75-20.50	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	1.170	0.000	0.00
		C	0.000	0.000	1.185	0.000	0.01
L40	20.50-15.50	A	0.000	0.000	12.025	0.000	0.04
		B	0.000	0.000	21.848	0.000	0.04
		C	0.000	0.000	23.707	0.000	0.18
L41	15.50-10.50	A	0.000	0.000	12.025	0.000	0.04
		B	0.000	0.000	17.188	0.000	0.04
		C	0.000	0.000	23.707	0.000	0.18
L42	10.50-5.50	A	0.000	0.000	12.025	0.000	0.04
		B	0.000	0.000	17.188	0.000	0.04
		C	0.000	0.000	23.707	0.000	0.18
L43	5.50-2.00	A	0.000	0.000	8.418	0.000	0.03
		B	0.000	0.000	12.032	0.000	0.03
		C	0.000	0.000	16.595	0.000	0.13
L44	2.00-1.75	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	0.859	0.000	0.00
		C	0.000	0.000	1.185	0.000	0.01
L45	1.75-1.50	A	0.000	0.000	0.601	0.000	0.00
		B	0.000	0.000	0.859	0.000	0.00
		C	0.000	0.000	1.185	0.000	0.01
L46	1.50-0.00	A	0.000	0.000	3.607	0.000	0.01
		B	0.000	0.000	5.157	0.000	0.01
		C	0.000	0.000	7.112	0.000	0.05

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	140.00-135.00	A	1.471	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L2	135.00-130.00	A	1.465	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02

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
L3	130.00-125.00	A	1.459	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L4	125.00-120.00	A	1.454	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.05
L5	120.00-115.00	A	1.448	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.16
L6	115.00-110.00	A	1.441	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	11.141	0.000	0.15
		C		0.000	0.000	0.000	0.000	0.16
L7	110.00-105.00	A	1.435	0.000	0.000	0.456	0.000	0.00
		B		0.000	0.000	11.581	0.000	0.15
		C		0.000	0.000	0.456	0.000	0.16
L8	105.00-104.00	A	1.431	0.000	0.000	0.912	0.000	0.01
		B		0.000	0.000	3.135	0.000	0.04
		C		0.000	0.000	0.912	0.000	0.04
L9	104.00-103.75	A	1.430	0.000	0.000	0.228	0.000	0.00
		B		0.000	0.000	0.784	0.000	0.01
		C		0.000	0.000	0.228	0.000	0.01
L10	103.75-98.75	A	1.426	0.000	0.000	6.905	0.000	0.11
		B		0.000	0.000	18.009	0.000	0.21
		C		0.000	0.000	6.905	0.000	0.23
L11	98.75-98.25	A	1.422	0.000	0.000	1.042	0.000	0.01
		B		0.000	0.000	2.151	0.000	0.02
		C		0.000	0.000	1.042	0.000	0.03
L12	98.25-98.00	A	1.422	0.000	0.000	0.521	0.000	0.01
		B		0.000	0.000	1.076	0.000	0.01
		C		0.000	0.000	0.521	0.000	0.01
L13	98.00-97.00	A	1.421	0.000	0.000	2.084	0.000	0.03
		B		0.000	0.000	4.302	0.000	0.05
		C		0.000	0.000	2.084	0.000	0.05
L14	97.00-96.75	A	1.420	0.000	0.000	0.521	0.000	0.01
		B		0.000	0.000	1.075	0.000	0.01
		C		0.000	0.000	0.521	0.000	0.01
L15	96.75-88.50	A	1.414	0.000	0.000	13.583	0.000	0.19
		B		0.000	0.000	31.850	0.000	0.37
		C		0.000	0.000	25.532	0.000	0.54
L16	88.50-88.17	A	1.407	0.000	0.000	0.810	0.000	0.01
		B		0.000	0.000	1.540	0.000	0.02
		C		0.000	0.000	1.416	0.000	0.03
L17	88.17-87.92	A	1.406	0.000	0.000	0.613	0.000	0.01
		B		0.000	0.000	1.165	0.000	0.01
		C		0.000	0.000	1.072	0.000	0.02
L18	87.92-82.92	A	1.402	0.000	0.000	12.246	0.000	0.15
		B		0.000	0.000	23.289	0.000	0.25
		C		0.000	0.000	21.424	0.000	0.38
L19	82.92-77.92	A	1.394	0.000	0.000	12.229	0.000	0.14
		B		0.000	0.000	23.251	0.000	0.25
		C		0.000	0.000	21.396	0.000	0.38
L20	77.92-72.92	A	1.385	0.000	0.000	12.211	0.000	0.14
		B		0.000	0.000	23.211	0.000	0.25
		C		0.000	0.000	21.367	0.000	0.38
L21	72.92-68.25	A	1.376	0.000	0.000	12.298	0.000	0.14
		B		0.000	0.000	22.551	0.000	0.24
		C		0.000	0.000	20.839	0.000	0.36
L22	68.25-67.98	A	1.371	0.000	0.000	0.728	0.000	0.01
		B		0.000	0.000	1.320	0.000	0.01
		C		0.000	0.000	1.222	0.000	0.02
L23	67.98-67.83	A	1.370	0.000	0.000	0.404	0.000	0.00

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	0.733	0.000	0.01
		C		0.000	0.000	0.679	0.000	0.01
L24	67.83-62.83	A	1.365	0.000	0.000	13.472	0.000	0.15
		B		0.000	0.000	24.422	0.000	0.26
		C		0.000	0.000	22.603	0.000	0.39
L25	62.83-57.83	A	1.354	0.000	0.000	13.450	0.000	0.15
		B		0.000	0.000	24.373	0.000	0.25
		C		0.000	0.000	22.568	0.000	0.38
L26	57.83-52.83	A	1.343	0.000	0.000	13.427	0.000	0.15
		B		0.000	0.000	24.321	0.000	0.25
		C		0.000	0.000	22.530	0.000	0.38
L27	52.83-47.25	A	1.329	0.000	0.000	14.954	0.000	0.17
		B		0.000	0.000	27.075	0.000	0.28
		C		0.000	0.000	25.095	0.000	0.42
L28	47.25-46.50	A	1.321	0.000	0.000	2.010	0.000	0.02
		B		0.000	0.000	3.639	0.000	0.04
		C		0.000	0.000	3.373	0.000	0.06
L29	46.50-41.50	A	1.312	0.000	0.000	13.321	0.000	0.15
		B		0.000	0.000	24.139	0.000	0.25
		C		0.000	0.000	22.386	0.000	0.38
L30	41.50-37.75	A	1.299	0.000	0.000	9.330	0.000	0.11
		B		0.000	0.000	17.418	0.000	0.19
		C		0.000	0.000	16.117	0.000	0.29
L31	37.75-37.50	A	1.292	0.000	0.000	0.622	0.000	0.01
		B		0.000	0.000	1.160	0.000	0.01
		C		0.000	0.000	1.074	0.000	0.02
L32	37.50-32.50	A	1.282	0.000	0.000	12.666	0.000	0.15
		B		0.000	0.000	23.410	0.000	0.25
		C		0.000	0.000	21.694	0.000	0.38
L33	32.50-32.25	A	1.273	0.000	0.000	0.641	0.000	0.01
		B		0.000	0.000	1.177	0.000	0.01
		C		0.000	0.000	1.092	0.000	0.02
L34	32.25-27.75	A	1.263	0.000	0.000	12.921	0.000	0.14
		B		0.000	0.000	21.774	0.000	0.22
		C		0.000	0.000	21.024	0.000	0.34
L35	27.75-27.50	A	1.253	0.000	0.000	0.727	0.000	0.01
		B		0.000	0.000	1.212	0.000	0.01
		C		0.000	0.000	1.176	0.000	0.02
L36	27.50-23.25	A	1.242	0.000	0.000	12.332	0.000	0.13
		B		0.000	0.000	25.455	0.000	0.25
		C		0.000	0.000	24.852	0.000	0.36
L37	23.25-23.00	A	1.230	0.000	0.000	0.724	0.000	0.01
		B		0.000	0.000	1.556	0.000	0.01
		C		0.000	0.000	1.521	0.000	0.02
L38	23.00-20.75	A	1.224	0.000	0.000	6.513	0.000	0.07
		B		0.000	0.000	13.989	0.000	0.13
		C		0.000	0.000	13.676	0.000	0.19
L39	20.75-20.50	A	1.216	0.000	0.000	0.723	0.000	0.01
		B		0.000	0.000	1.553	0.000	0.01
		C		0.000	0.000	1.518	0.000	0.02
L40	20.50-15.50	A	1.200	0.000	0.000	14.425	0.000	0.15
		B		0.000	0.000	29.250	0.000	0.27
		C		0.000	0.000	30.291	0.000	0.42
L41	15.50-10.50	A	1.161	0.000	0.000	14.348	0.000	0.14
		B		0.000	0.000	23.923	0.000	0.22
		C		0.000	0.000	30.128	0.000	0.41
L42	10.50-5.50	A	1.106	0.000	0.000	14.238	0.000	0.14
		B		0.000	0.000	23.675	0.000	0.21
		C		0.000	0.000	29.894	0.000	0.40
L43	5.50-2.00	A	1.026	0.000	0.000	9.853	0.000	0.09
		B		0.000	0.000	16.318	0.000	0.14

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	20.686	0.000	0.27
L44	2.00-1.75	A	0.957	0.000	0.000	0.697	0.000	0.01
		B		0.000	0.000	1.150	0.000	0.01
		C		0.000	0.000	1.463	0.000	0.02
L45	1.75-1.50	A	0.944	0.000	0.000	0.696	0.000	0.01
		B		0.000	0.000	1.147	0.000	0.01
		C		0.000	0.000	1.460	0.000	0.02
L46	1.50-0.00	A	0.873	0.000	0.000	4.131	0.000	0.03
		B		0.000	0.000	6.788	0.000	0.05
		C		0.000	0.000	8.671	0.000	0.11

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	140.00-135.00	0.0000	0.0000	0.0000	0.0000
L2	135.00-130.00	0.0000	0.0000	0.0000	0.0000
L3	130.00-125.00	0.0000	0.0000	0.0000	0.0000
L4	125.00-120.00	0.0000	0.0000	0.0000	0.0000
L5	120.00-115.00	0.0000	0.0000	0.0000	0.0000
L6	115.00-110.00	4.0634	2.3460	3.8202	2.2056
L7	110.00-105.00	3.8430	2.2188	3.7440	2.1616
L8	105.00-104.00	2.4123	1.3927	2.7266	1.5742
L9	104.00-103.75	2.4226	1.3987	2.7387	1.5812
L10	103.75-98.75	2.0498	1.1834	2.3949	1.3827
L11	98.75-98.25	1.6700	0.9642	2.0172	1.1646
L12	98.25-98.00	1.6752	0.9672	2.0233	1.1682
L13	98.00-97.00	1.6812	0.9706	2.0309	1.1725
L14	97.00-96.75	1.6860	0.9734	2.0373	1.1762
L15	96.75-88.50	0.7123	1.5587	0.9319	1.7052
L16	88.50-88.17	1.0360	0.8267	1.0999	1.0952
L17	88.17-87.92	1.0384	0.8284	1.1015	1.0973
L18	87.92-82.92	1.0552	0.8400	1.1195	1.1138
L19	82.92-77.92	1.0867	0.8618	1.1534	1.1450
L20	77.92-72.92	1.1178	0.8833	1.1867	1.1758
L21	72.92-68.25	1.0867	0.8559	1.1762	1.1634
L22	68.25-67.98	1.0823	0.8511	1.1784	1.1646
L23	67.98-67.83	1.0835	0.8519	1.1797	1.1658
L24	67.83-62.83	1.0981	0.8621	1.1955	1.1805
L25	62.83-57.83	1.1263	0.8816	1.2257	1.2088
L26	57.83-52.83	1.1541	0.9008	1.2554	1.2367
L27	52.83-47.25	1.1831	0.9209	1.2860	1.2657
L28	47.25-46.50	1.1837	0.9213	1.2868	1.2664
L29	46.50-41.50	1.2002	0.9329	1.3036	1.2834
L30	41.50-37.75	1.2427	0.9639	1.3680	1.3462
L31	37.75-37.50	1.2537	0.9715	1.3791	1.3571
L32	37.50-32.50	1.3166	0.9175	1.4262	1.3234
L33	32.50-32.25	1.3630	0.8853	1.4623	1.3054
L34	32.25-27.75	1.2693	0.7055	1.3364	1.0121
L35	27.75-27.50	1.2690	0.6893	1.3319	0.9854
L36	27.50-23.25	3.6467	2.0668	3.3798	2.1454
L37	23.25-23.00	4.1076	2.3329	3.7874	2.3783
L38	23.00-20.75	4.1279	2.3441	3.8058	2.3902
L39	20.75-20.50	4.1477	2.3550	3.8239	2.4018
L40	20.50-15.50	4.0983	1.8376	3.7842	1.9999
L41	15.50-10.50	3.8777	0.0926	3.6026	0.6538

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L42	10.50-5.50	3.9496	0.0922	3.6623	0.6572
L43	5.50-2.00	4.0100	0.0919	3.7057	0.6550
L44	2.00-1.75	4.0364	0.0918	3.7181	0.6493
L45	1.75-1.50	4.0423	0.0918	3.7209	0.6482
L46	1.50-0.00	4.0545	0.0918	3.7190	0.6399

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
L6	16	HCS 6X12 6AWG(1-3/8)	110.00 - 115.00	1.0000	1.0000
L6	18	LDF6-50A(1-1/4)	110.00 - 115.00	1.0000	1.0000
L7	16	HCS 6X12 6AWG(1-3/8)	105.00 - 110.00	1.0000	1.0000
L7	18	LDF6-50A(1-1/4)	105.00 - 110.00	1.0000	1.0000
L7	62	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	1.0000	1.0000
L7	63	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	1.0000	1.0000
L7	64	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	1.0000	1.0000
L8	16	HCS 6X12 6AWG(1-3/8)	104.00 - 105.00	1.0000	1.0000
L8	18	LDF6-50A(1-1/4)	104.00 - 105.00	1.0000	1.0000
L8	62	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	1.0000	1.0000
L8	63	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	1.0000	1.0000
L8	64	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	1.0000	1.0000
L9	16	HCS 6X12 6AWG(1-3/8)	103.75 - 104.00	1.0000	1.0000
L9	18	LDF6-50A(1-1/4)	103.75 - 104.00	1.0000	1.0000
L9	62	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	1.0000	1.0000
L9	63	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	1.0000	1.0000
L9	64	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	1.0000	1.0000
L10	16	HCS 6X12 6AWG(1-3/8)	98.75 - 103.75	1.0000	1.0000
L10	18	LDF6-50A(1-1/4)	98.75 - 103.75	1.0000	1.0000
L10	46	MP3-05 (1.25in)	98.75 - 100.75	1.0000	1.0000
L10	47	MP3-05 (1.25in)	98.75 - 100.75	1.0000	1.0000
L10	48	MP3-05 (1.25in)	98.75 - 100.75	1.0000	1.0000
L10	62	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	1.0000	1.0000
L10	63	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	1.0000	1.0000
L10	64	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L11	16	HCS 6X12 6AWG(1-3/8)	98.25 - 98.75	1.0000	1.0000
L11	18	LDF6-50A(1-1/4)	98.25 - 98.75	1.0000	1.0000
L11	46	MP3-05 (1.25in)	98.25 - 98.75	1.0000	1.0000
L11	47	MP3-05 (1.25in)	98.25 - 98.75	1.0000	1.0000
L11	48	MP3-05 (1.25in)	98.25 - 98.75	1.0000	1.0000
L11	62	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	1.0000	1.0000
L11	63	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	1.0000	1.0000
L11	64	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	1.0000	1.0000
L12	16	HCS 6X12 6AWG(1-3/8)	98.00 - 98.25	1.0000	1.0000
L12	18	LDF6-50A(1-1/4)	98.00 - 98.25	1.0000	1.0000
L12	46	MP3-05 (1.25in)	98.00 - 98.25	1.0000	1.0000
L12	47	MP3-05 (1.25in)	98.00 - 98.25	1.0000	1.0000
L12	48	MP3-05 (1.25in)	98.00 - 98.25	1.0000	1.0000
L12	62	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	1.0000	1.0000
L12	63	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	1.0000	1.0000
L12	64	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	1.0000	1.0000
L13	16	HCS 6X12 6AWG(1-3/8)	97.00 - 98.00	1.0000	1.0000
L13	18	LDF6-50A(1-1/4)	97.00 - 98.00	1.0000	1.0000
L13	46	MP3-05 (1.25in)	97.00 - 98.00	1.0000	1.0000
L13	47	MP3-05 (1.25in)	97.00 - 98.00	1.0000	1.0000
L13	48	MP3-05 (1.25in)	97.00 - 98.00	1.0000	1.0000
L13	62	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	1.0000	1.0000
L13	63	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	1.0000	1.0000
L13	64	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	1.0000	1.0000
L14	16	HCS 6X12 6AWG(1-3/8)	96.75 - 97.00	1.0000	1.0000
L14	18	LDF6-50A(1-1/4)	96.75 - 97.00	1.0000	1.0000
L14	46	MP3-05 (1.25in)	96.75 - 97.00	1.0000	1.0000
L14	47	MP3-05 (1.25in)	96.75 - 97.00	1.0000	1.0000
L14	48	MP3-05 (1.25in)	96.75 - 97.00	1.0000	1.0000
L14	62	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	1.0000	1.0000
L14	63	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	1.0000	1.0000
L14	64	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	1.0000	1.0000
L15	16	HCS 6X12 6AWG(1-3/8)	88.50 - 96.75	1.0000	1.0000
L15	18	LDF6-50A(1-1/4)	88.50 - 96.75	1.0000	1.0000
L15	25	CR 50 1873(1-5/8)	88.50 - 95.00	1.0000	1.0000
L15	46	MP3-05 (1.25in)	88.50 - 96.75	1.0000	1.0000
L15	47	MP3-05 (1.25in)	88.50 - 96.75	1.0000	1.0000
L15	48	MP3-05 (1.25in)	88.50 - 96.75	1.0000	1.0000
L15	58	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	1.0000	1.0000
L15	59	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	1.0000	1.0000
L15	60	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	1.0000	1.0000
L15	62	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	1.0000	1.0000
L15	63	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	1.0000	1.0000
L15	64	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	1.0000	1.0000
L16	16	HCS 6X12 6AWG(1-3/8)	88.17 - 88.50	1.0000	1.0000
L16	18	LDF6-50A(1-1/4)	88.17 - 88.50	1.0000	1.0000
L16	25	CR 50 1873(1-5/8)	88.17 - 88.50	1.0000	1.0000
L16	46	MP3-05 (1.25in)	88.17 - 88.50	1.0000	1.0000
L16	47	MP3-05 (1.25in)	88.17 - 88.50	1.0000	1.0000
L16	48	MP3-05 (1.25in)	88.17 - 88.50	1.0000	1.0000
L16	58	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	1.0000	1.0000
L16	59	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	1.0000	1.0000
L16	60	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	1.0000	1.0000
L17	16	HCS 6X12 6AWG(1-3/8)	87.92 - 88.17	1.0000	1.0000
L17	18	LDF6-50A(1-1/4)	87.92 - 88.17	1.0000	1.0000
L17	25	CR 50 1873(1-5/8)	87.92 - 88.17	1.0000	1.0000
L17	46	MP3-05 (1.25in)	87.92 - 88.17	1.0000	1.0000
L17	47	MP3-05 (1.25in)	87.92 - 88.17	1.0000	1.0000
L17	48	MP3-05 (1.25in)	87.92 - 88.17	1.0000	1.0000
L17	58	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	1.0000	1.0000
L17	59	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	1.0000	1.0000
L17	60	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L18	16	HCS 6X12 6AWG(1-3/8)	82.92 - 87.92	1.0000	1.0000
L18	18	LDF6-50A(1-1/4)	82.92 - 87.92	1.0000	1.0000
L18	25	CR 50 1873(1-5/8)	82.92 - 87.92	1.0000	1.0000
L18	46	MP3-05 (1.25in)	82.92 - 87.92	1.0000	1.0000
L18	47	MP3-05 (1.25in)	82.92 - 87.92	1.0000	1.0000
L18	48	MP3-05 (1.25in)	82.92 - 87.92	1.0000	1.0000
L18	58	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	1.0000	1.0000
L18	59	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	1.0000	1.0000
L18	60	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	1.0000	1.0000
L19	16	HCS 6X12 6AWG(1-3/8)	77.92 - 82.92	1.0000	1.0000
L19	18	LDF6-50A(1-1/4)	77.92 - 82.92	1.0000	1.0000
L19	25	CR 50 1873(1-5/8)	77.92 - 82.92	1.0000	1.0000
L19	46	MP3-05 (1.25in)	77.92 - 82.92	1.0000	1.0000
L19	47	MP3-05 (1.25in)	77.92 - 82.92	1.0000	1.0000
L19	48	MP3-05 (1.25in)	77.92 - 82.92	1.0000	1.0000
L19	58	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	1.0000	1.0000
L19	59	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	1.0000	1.0000
L19	60	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	1.0000	1.0000
L20	16	HCS 6X12 6AWG(1-3/8)	72.92 - 77.92	1.0000	1.0000
L20	18	LDF6-50A(1-1/4)	72.92 - 77.92	1.0000	1.0000
L20	25	CR 50 1873(1-5/8)	72.92 - 77.92	1.0000	1.0000
L20	46	MP3-05 (1.25in)	72.92 - 77.92	1.0000	1.0000
L20	47	MP3-05 (1.25in)	72.92 - 77.92	1.0000	1.0000
L20	48	MP3-05 (1.25in)	72.92 - 77.92	1.0000	1.0000
L20	58	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	1.0000	1.0000
L20	59	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	1.0000	1.0000
L20	60	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	1.0000	1.0000
L21	16	HCS 6X12 6AWG(1-3/8)	68.25 - 72.92	1.0000	1.0000
L21	18	LDF6-50A(1-1/4)	68.25 - 72.92	1.0000	1.0000
L21	25	CR 50 1873(1-5/8)	68.25 - 72.92	1.0000	1.0000
L21	42	MP3-06 (1.25in)	68.25 - 71.75	1.0000	1.0000
L21	43	MP3-06 (1.25in)	68.25 - 71.75	1.0000	1.0000
L21	44	MP3-06 (1.25in)	68.25 - 71.75	1.0000	1.0000
L21	46	MP3-05 (1.25in)	71.75 - 72.92	1.0000	1.0000
L21	47	MP3-05 (1.25in)	71.75 - 72.92	1.0000	1.0000
L21	48	MP3-05 (1.25in)	71.75 - 72.92	1.0000	1.0000
L21	54	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	1.0000	1.0000
L21	55	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	1.0000	1.0000
L21	56	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	1.0000	1.0000
L21	58	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	1.0000	1.0000
L21	59	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	1.0000	1.0000
L21	60	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	1.0000	1.0000
L22	16	HCS 6X12 6AWG(1-3/8)	67.98 - 68.25	1.0000	1.0000
L22	18	LDF6-50A(1-1/4)	67.98 - 68.25	1.0000	1.0000
L22	25	CR 50 1873(1-5/8)	67.98 - 68.25	1.0000	1.0000
L22	42	MP3-06 (1.25in)	67.98 - 68.25	1.0000	1.0000
L22	43	MP3-06 (1.25in)	67.98 - 68.25	1.0000	1.0000
L22	44	MP3-06 (1.25in)	67.98 - 68.25	1.0000	1.0000
L22	54	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	1.0000	1.0000
L22	55	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	1.0000	1.0000
L22	56	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	1.0000	1.0000
L23	16	HCS 6X12 6AWG(1-3/8)	67.83 - 67.98	1.0000	1.0000
L23	18	LDF6-50A(1-1/4)	67.83 - 67.98	1.0000	1.0000
L23	25	CR 50 1873(1-5/8)	67.83 - 67.98	1.0000	1.0000
L23	42	MP3-06 (1.25in)	67.83 - 67.98	1.0000	1.0000
L23	43	MP3-06 (1.25in)	67.83 - 67.98	1.0000	1.0000
L23	44	MP3-06 (1.25in)	67.83 - 67.98	1.0000	1.0000
L23	54	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	1.0000	1.0000
L23	55	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	1.0000	1.0000
L23	56	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	1.0000	1.0000
L24	16	HCS 6X12 6AWG(1-3/8)	62.83 - 67.83	1.0000	1.0000
L24	18	LDF6-50A(1-1/4)	62.83 - 67.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L24	25	CR 50 1873(1-5/8)	62.83 - 67.83	1.0000	1.0000
L24	42	MP3-06 (1.25in)	62.83 - 67.83	1.0000	1.0000
L24	43	MP3-06 (1.25in)	62.83 - 67.83	1.0000	1.0000
L24	44	MP3-06 (1.25in)	62.83 - 67.83	1.0000	1.0000
L24	54	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	1.0000	1.0000
L24	55	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	1.0000	1.0000
L24	56	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	1.0000	1.0000
L25	16	HCS 6X12 6AWG(1-3/8)	57.83 - 62.83	1.0000	1.0000
L25	18	LDF6-50A(1-1/4)	57.83 - 62.83	1.0000	1.0000
L25	25	CR 50 1873(1-5/8)	57.83 - 62.83	1.0000	1.0000
L25	42	MP3-06 (1.25in)	57.83 - 62.83	1.0000	1.0000
L25	43	MP3-06 (1.25in)	57.83 - 62.83	1.0000	1.0000
L25	44	MP3-06 (1.25in)	57.83 - 62.83	1.0000	1.0000
L25	54	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L25	55	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L25	56	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	16	HCS 6X12 6AWG(1-3/8)	52.83 - 57.83	1.0000	1.0000
L26	18	LDF6-50A(1-1/4)	52.83 - 57.83	1.0000	1.0000
L26	25	CR 50 1873(1-5/8)	52.83 - 57.83	1.0000	1.0000
L26	42	MP3-06 (1.25in)	52.83 - 57.83	1.0000	1.0000
L26	43	MP3-06 (1.25in)	52.83 - 57.83	1.0000	1.0000
L26	44	MP3-06 (1.25in)	52.83 - 57.83	1.0000	1.0000
L26	54	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L26	55	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L26	56	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L27	16	HCS 6X12 6AWG(1-3/8)	47.25 - 52.83	1.0000	1.0000
L27	18	LDF6-50A(1-1/4)	47.25 - 52.83	1.0000	1.0000
L27	25	CR 50 1873(1-5/8)	47.25 - 52.83	1.0000	1.0000
L27	42	MP3-06 (1.25in)	47.25 - 52.83	1.0000	1.0000
L27	43	MP3-06 (1.25in)	47.25 - 52.83	1.0000	1.0000
L27	44	MP3-06 (1.25in)	47.25 - 52.83	1.0000	1.0000
L27	54	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	1.0000	1.0000
L27	55	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	1.0000	1.0000
L27	56	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	1.0000	1.0000
L28	16	HCS 6X12 6AWG(1-3/8)	46.50 - 47.25	1.0000	1.0000
L28	18	LDF6-50A(1-1/4)	46.50 - 47.25	1.0000	1.0000
L28	25	CR 50 1873(1-5/8)	46.50 - 47.25	1.0000	1.0000
L28	42	MP3-06 (1.25in)	46.50 - 47.25	1.0000	1.0000
L28	43	MP3-06 (1.25in)	46.50 - 47.25	1.0000	1.0000
L28	44	MP3-06 (1.25in)	46.50 - 47.25	1.0000	1.0000
L28	54	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	1.0000	1.0000
L28	55	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	1.0000	1.0000
L28	56	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	1.0000	1.0000
L29	16	HCS 6X12 6AWG(1-3/8)	41.50 - 46.50	1.0000	1.0000
L29	18	LDF6-50A(1-1/4)	41.50 - 46.50	1.0000	1.0000
L29	25	CR 50 1873(1-5/8)	41.50 - 46.50	1.0000	1.0000
L29	38	MP3-08 (1.25in)	41.50 - 41.75	1.0000	1.0000
L29	39	MP3-08 (1.25in)	41.50 - 41.75	1.0000	1.0000
L29	40	MP3-08 (1.25in)	41.50 - 41.75	1.0000	1.0000
L29	42	MP3-06 (1.25in)	41.75 - 46.50	1.0000	1.0000
L29	43	MP3-06 (1.25in)	41.75 - 46.50	1.0000	1.0000
L29	44	MP3-06 (1.25in)	41.75 - 46.50	1.0000	1.0000
L29	54	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	1.0000	1.0000
L29	55	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	1.0000	1.0000
L29	56	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	1.0000	1.0000
L30	16	HCS 6X12 6AWG(1-3/8)	37.75 - 41.50	1.0000	1.0000
L30	18	LDF6-50A(1-1/4)	37.75 - 41.50	1.0000	1.0000
L30	25	CR 50 1873(1-5/8)	37.75 - 41.50	1.0000	1.0000
L30	38	MP3-08 (1.25in)	37.75 - 41.50	1.0000	1.0000
L30	39	MP3-08 (1.25in)	37.75 - 41.50	1.0000	1.0000
L30	40	MP3-08 (1.25in)	37.75 - 41.50	1.0000	1.0000
L30	54	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L30	55	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	1.0000	1.0000
L30	56	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	1.0000	1.0000
L31	16	HCS 6X12 6AWG(1-3/8)	37.50 - 37.75	1.0000	1.0000
L31	18	LDF6-50A(1-1/4)	37.50 - 37.75	1.0000	1.0000
L31	25	CR 50 1873(1-5/8)	37.50 - 37.75	1.0000	1.0000
L31	38	MP3-08 (1.25in)	37.50 - 37.75	1.0000	1.0000
L31	39	MP3-08 (1.25in)	37.50 - 37.75	1.0000	1.0000
L31	40	MP3-08 (1.25in)	37.50 - 37.75	1.0000	1.0000
L31	54	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	1.0000	1.0000
L31	55	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	1.0000	1.0000
L31	56	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	1.0000	1.0000
L32	16	HCS 6X12 6AWG(1-3/8)	32.50 - 37.50	1.0000	1.0000
L32	18	LDF6-50A(1-1/4)	32.50 - 37.50	1.0000	1.0000
L32	25	CR 50 1873(1-5/8)	32.50 - 37.50	1.0000	1.0000
L32	38	MP3-08 (1.25in)	32.50 - 37.50	1.0000	1.0000
L32	39	MP3-08 (1.25in)	32.50 - 37.50	1.0000	1.0000
L32	40	MP3-08 (1.25in)	32.50 - 37.50	1.0000	1.0000
L32	50	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	1.0000	1.0000
L32	51	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	1.0000	1.0000
L32	52	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	1.0000	1.0000
L32	54	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	55	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	56	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L33	16	HCS 6X12 6AWG(1-3/8)	32.25 - 32.50	1.0000	1.0000
L33	18	LDF6-50A(1-1/4)	32.25 - 32.50	1.0000	1.0000
L33	25	CR 50 1873(1-5/8)	32.25 - 32.50	1.0000	1.0000
L33	38	MP3-08 (1.25in)	32.25 - 32.50	1.0000	1.0000
L33	39	MP3-08 (1.25in)	32.25 - 32.50	1.0000	1.0000
L33	40	MP3-08 (1.25in)	32.25 - 32.50	1.0000	1.0000
L33	50	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	1.0000	1.0000
L33	51	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	1.0000	1.0000
L33	52	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	1.0000	1.0000
L34	16	HCS 6X12 6AWG(1-3/8)	27.75 - 32.25	1.0000	1.0000
L34	18	LDF6-50A(1-1/4)	27.75 - 32.25	1.0000	1.0000
L34	25	CR 50 1873(1-5/8)	27.75 - 32.25	1.0000	1.0000
L34	30	MP3-08 (1.25in)	27.75 - 31.75	1.0000	1.0000
L34	31	MP3-08 (1.25in)	27.75 - 31.75	1.0000	1.0000
L34	36	MP3-08 (1.25in)	27.75 - 31.75	1.0000	1.0000
L34	38	MP3-08 (1.25in)	31.75 - 32.25	1.0000	1.0000
L34	39	MP3-08 (1.25in)	31.75 - 32.25	1.0000	1.0000
L34	40	MP3-08 (1.25in)	31.75 - 32.25	1.0000	1.0000
L34	50	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	1.0000	1.0000
L34	51	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	1.0000	1.0000
L34	52	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	1.0000	1.0000
L35	16	HCS 6X12 6AWG(1-3/8)	27.50 - 27.75	1.0000	1.0000
L35	18	LDF6-50A(1-1/4)	27.50 - 27.75	1.0000	1.0000
L35	25	CR 50 1873(1-5/8)	27.50 - 27.75	1.0000	1.0000
L35	30	MP3-08 (1.25in)	27.50 - 27.75	1.0000	1.0000
L35	31	MP3-08 (1.25in)	27.50 - 27.75	1.0000	1.0000
L35	36	MP3-08 (1.25in)	27.50 - 27.75	1.0000	1.0000
L35	50	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L35	51	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L35	52	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L36	16	HCS 6X12 6AWG(1-3/8)	23.25 - 27.50	1.0000	1.0000
L36	18	LDF6-50A(1-1/4)	23.25 - 27.50	1.0000	1.0000
L36	25	CR 50 1873(1-5/8)	23.25 - 27.50	1.0000	1.0000
L36	30	MP3-08 (1.25in)	23.25 - 27.50	1.0000	1.0000
L36	31	MP3-08 (1.25in)	23.25 - 27.50	1.0000	1.0000
L36	33	MP3-06 (1.25in)	23.25 - 26.75	1.0000	1.0000
L36	34	MP3-06 (1.25in)	23.25 - 26.75	1.0000	1.0000
L36	36	MP3-08 (1.25in)	23.25 - 27.50	1.0000	1.0000
L36	50	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L36	51	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	1.0000	1.0000
L36	52	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	1.0000	1.0000
L37	16	HCS 6X12 6AWG(1-3/8)	23.00 - 23.25	1.0000	1.0000
L37	18	LDF6-50A(1-1/4)	23.00 - 23.25	1.0000	1.0000
L37	25	CR 50 1873(1-5/8)	23.00 - 23.25	1.0000	1.0000
L37	30	MP3-08 (1.25in)	23.00 - 23.25	1.0000	1.0000
L37	31	MP3-08 (1.25in)	23.00 - 23.25	1.0000	1.0000
L37	33	MP3-06 (1.25in)	23.00 - 23.25	1.0000	1.0000
L37	34	MP3-06 (1.25in)	23.00 - 23.25	1.0000	1.0000
L37	36	MP3-08 (1.25in)	23.00 - 23.25	1.0000	1.0000
L37	50	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	1.0000	1.0000
L37	51	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	1.0000	1.0000
L37	52	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	1.0000	1.0000
L38	16	HCS 6X12 6AWG(1-3/8)	20.75 - 23.00	1.0000	1.0000
L38	18	LDF6-50A(1-1/4)	20.75 - 23.00	1.0000	1.0000
L38	25	CR 50 1873(1-5/8)	20.75 - 23.00	1.0000	1.0000
L38	30	MP3-08 (1.25in)	20.75 - 23.00	1.0000	1.0000
L38	31	MP3-08 (1.25in)	20.75 - 23.00	1.0000	1.0000
L38	33	MP3-06 (1.25in)	20.75 - 23.00	1.0000	1.0000
L38	34	MP3-06 (1.25in)	20.75 - 23.00	1.0000	1.0000
L38	36	MP3-08 (1.25in)	20.75 - 23.00	1.0000	1.0000
L38	50	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	1.0000	1.0000
L38	51	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	1.0000	1.0000
L38	52	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	1.0000	1.0000
L39	16	HCS 6X12 6AWG(1-3/8)	20.50 - 20.75	1.0000	1.0000
L39	18	LDF6-50A(1-1/4)	20.50 - 20.75	1.0000	1.0000
L39	25	CR 50 1873(1-5/8)	20.50 - 20.75	1.0000	1.0000
L39	30	MP3-08 (1.25in)	20.50 - 20.75	1.0000	1.0000
L39	31	MP3-08 (1.25in)	20.50 - 20.75	1.0000	1.0000
L39	33	MP3-06 (1.25in)	20.50 - 20.75	1.0000	1.0000
L39	34	MP3-06 (1.25in)	20.50 - 20.75	1.0000	1.0000
L39	36	MP3-08 (1.25in)	20.50 - 20.75	1.0000	1.0000
L39	50	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	1.0000	1.0000
L39	51	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	1.0000	1.0000
L39	52	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	1.0000	1.0000
L40	16	HCS 6X12 6AWG(1-3/8)	15.50 - 20.50	1.0000	1.0000
L40	18	LDF6-50A(1-1/4)	15.50 - 20.50	1.0000	1.0000
L40	25	CR 50 1873(1-5/8)	15.50 - 20.50	1.0000	1.0000
L40	30	MP3-08 (1.25in)	15.50 - 20.50	1.0000	1.0000
L40	31	MP3-08 (1.25in)	15.50 - 20.50	1.0000	1.0000
L40	33	MP3-06 (1.25in)	15.50 - 20.50	1.0000	1.0000
L40	34	MP3-06 (1.25in)	15.50 - 20.50	1.0000	1.0000
L40	36	MP3-08 (1.25in)	16.75 - 20.50	1.0000	1.0000
L40	50	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	1.0000	1.0000
L40	51	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	1.0000	1.0000
L40	52	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	1.0000	1.0000
L41	16	HCS 6X12 6AWG(1-3/8)	10.50 - 15.50	1.0000	1.0000
L41	18	LDF6-50A(1-1/4)	10.50 - 15.50	1.0000	1.0000
L41	25	CR 50 1873(1-5/8)	10.50 - 15.50	1.0000	1.0000
L41	30	MP3-08 (1.25in)	10.50 - 15.50	1.0000	1.0000
L41	31	MP3-08 (1.25in)	10.50 - 15.50	1.0000	1.0000
L41	33	MP3-06 (1.25in)	10.50 - 15.50	1.0000	1.0000
L41	34	MP3-06 (1.25in)	10.50 - 15.50	1.0000	1.0000
L41	50	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	1.0000	1.0000
L41	51	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	1.0000	1.0000
L41	52	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	1.0000	1.0000
L42	16	HCS 6X12 6AWG(1-3/8)	5.50 - 10.50	1.0000	1.0000
L42	18	LDF6-50A(1-1/4)	5.50 - 10.50	1.0000	1.0000
L42	25	CR 50 1873(1-5/8)	5.50 - 10.50	1.0000	1.0000
L42	30	MP3-08 (1.25in)	5.50 - 10.50	1.0000	1.0000
L42	31	MP3-08 (1.25in)	5.50 - 10.50	1.0000	1.0000
L42	33	MP3-06 (1.25in)	5.50 - 10.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L42	34	MP3-06 (1.25in)	5.50 - 10.50	1.0000	1.0000
L42	50	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	1.0000	1.0000
L42	51	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	1.0000	1.0000
L42	52	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	1.0000	1.0000
L43	16	HCS 6X12 6AWG(1-3/8)	2.00 - 5.50	1.0000	1.0000
L43	18	LDF6-50A(1-1/4)	2.00 - 5.50	1.0000	1.0000
L43	25	CR 50 1873(1-5/8)	2.00 - 5.50	1.0000	1.0000
L43	30	MP3-08 (1.25in)	2.00 - 5.50	1.0000	1.0000
L43	31	MP3-08 (1.25in)	2.00 - 5.50	1.0000	1.0000
L43	33	MP3-06 (1.25in)	2.00 - 5.50	1.0000	1.0000
L43	34	MP3-06 (1.25in)	2.00 - 5.50	1.0000	1.0000
L43	50	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	1.0000	1.0000
L43	51	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	1.0000	1.0000
L43	52	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	1.0000	1.0000
L44	16	HCS 6X12 6AWG(1-3/8)	1.75 - 2.00	1.0000	1.0000
L44	18	LDF6-50A(1-1/4)	1.75 - 2.00	1.0000	1.0000
L44	25	CR 50 1873(1-5/8)	1.75 - 2.00	1.0000	1.0000
L44	30	MP3-08 (1.25in)	1.75 - 2.00	1.0000	1.0000
L44	31	MP3-08 (1.25in)	1.75 - 2.00	1.0000	1.0000
L44	33	MP3-06 (1.25in)	1.75 - 2.00	1.0000	1.0000
L44	34	MP3-06 (1.25in)	1.75 - 2.00	1.0000	1.0000
L44	50	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	1.0000	1.0000
L44	51	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	1.0000	1.0000
L44	52	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	1.0000	1.0000
L45	16	HCS 6X12 6AWG(1-3/8)	1.50 - 1.75	1.0000	1.0000
L45	18	LDF6-50A(1-1/4)	1.50 - 1.75	1.0000	1.0000
L45	25	CR 50 1873(1-5/8)	1.50 - 1.75	1.0000	1.0000
L45	30	MP3-08 (1.25in)	1.50 - 1.75	1.0000	1.0000
L45	31	MP3-08 (1.25in)	1.50 - 1.75	1.0000	1.0000
L45	33	MP3-06 (1.25in)	1.50 - 1.75	1.0000	1.0000
L45	34	MP3-06 (1.25in)	1.50 - 1.75	1.0000	1.0000
L45	50	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	1.0000	1.0000
L45	51	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	1.0000	1.0000
L45	52	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	1.0000	1.0000
L46	16	HCS 6X12 6AWG(1-3/8)	0.00 - 1.50	1.0000	1.0000
L46	18	LDF6-50A(1-1/4)	0.00 - 1.50	1.0000	1.0000
L46	25	CR 50 1873(1-5/8)	0.00 - 1.50	1.0000	1.0000
L46	30	MP3-08 (1.25in)	0.00 - 1.50	1.0000	1.0000
L46	31	MP3-08 (1.25in)	0.00 - 1.50	1.0000	1.0000
L46	33	MP3-06 (1.25in)	0.00 - 1.50	1.0000	1.0000
L46	34	MP3-06 (1.25in)	0.00 - 1.50	1.0000	1.0000
L46	50	(Area) CCI-65FP-065125 (H)	0.00 - 1.50	1.0000	1.0000
L46	51	(Area) CCI-65FP-065125 (H)	0.00 - 1.50	1.0000	1.0000
L46	52	(Area) CCI-65FP-065125 (H)	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
L7	62	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	Auto	0.0000
L7	63	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L7	64	(Area) CCI-65FP-045100 (H)	105.00 - 105.50	Auto	0.0000
L8	62	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	Auto	0.0000
L8	63	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	Auto	0.0000
L8	64	(Area) CCI-65FP-045100 (H)	104.00 - 105.00	Auto	0.0000
L9	62	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	Auto	0.0000
L9	63	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	Auto	0.0000
L9	64	(Area) CCI-65FP-045100 (H)	103.75 - 104.00	Auto	0.0000
L10	46	MP3-05 (1.25in)	98.75 - 100.75	Auto	0.0109
L10	47	MP3-05 (1.25in)	98.75 - 100.75	Auto	0.0109
L10	48	MP3-05 (1.25in)	98.75 - 100.75	Auto	0.0109
L10	62	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	Auto	0.0000
L10	63	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	Auto	0.0000
L10	64	(Area) CCI-65FP-045100 (H)	98.75 - 103.75	Auto	0.0000
L11	46	MP3-05 (1.25in)	98.25 - 98.75	Auto	0.0000
L11	47	MP3-05 (1.25in)	98.25 - 98.75	Auto	0.0000
L11	48	MP3-05 (1.25in)	98.25 - 98.75	Auto	0.0000
L11	62	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	Auto	0.0000
L11	63	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	Auto	0.0000
L11	64	(Area) CCI-65FP-045100 (H)	98.25 - 98.75	Auto	0.0000
L12	46	MP3-05 (1.25in)	98.00 - 98.25	Auto	0.1300
L12	47	MP3-05 (1.25in)	98.00 - 98.25	Auto	0.1300
L12	48	MP3-05 (1.25in)	98.00 - 98.25	Auto	0.1300
L12	62	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	Auto	0.0000
L12	63	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	Auto	0.0000
L12	64	(Area) CCI-65FP-045100 (H)	98.00 - 98.25	Auto	0.0000
L13	46	MP3-05 (1.25in)	97.00 - 98.00	Auto	0.1211
L13	47	MP3-05 (1.25in)	97.00 - 98.00	Auto	0.1211
L13	48	MP3-05 (1.25in)	97.00 - 98.00	Auto	0.1211
L13	62	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	Auto	0.0000
L13	63	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	Auto	0.0000
L13	64	(Area) CCI-65FP-045100 (H)	97.00 - 98.00	Auto	0.0000
L14	46	MP3-05 (1.25in)	96.75 - 97.00	Auto	0.0092
L14	47	MP3-05 (1.25in)	96.75 - 97.00	Auto	0.0092
L14	48	MP3-05 (1.25in)	96.75 - 97.00	Auto	0.0092
L14	62	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	Auto	0.0000
L14	63	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	Auto	0.0000
L14	64	(Area) CCI-65FP-045100 (H)	96.75 - 97.00	Auto	0.0000
L15	46	MP3-05 (1.25in)	88.50 - 96.75	Auto	0.0000
L15	47	MP3-05 (1.25in)	88.50 - 96.75	Auto	0.0000
L15	48	MP3-05 (1.25in)	88.50 - 96.75	Auto	0.0000
L15	58	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	Auto	0.0492
L15	59	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	Auto	0.0492
L15	60	(Area) CCI-65FP-060100 (H)	88.50 - 90.67	Auto	0.0492
L15	62	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	Auto	0.0000
L15	63	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	Auto	0.0000
L15	64	(Area) CCI-65FP-045100 (H)	95.50 - 96.75	Auto	0.0000
L16	46	MP3-05 (1.25in)	88.17 - 88.50	Auto	0.0000
L16	47	MP3-05 (1.25in)	88.17 - 88.50	Auto	0.0000
L16	48	MP3-05 (1.25in)	88.17 - 88.50	Auto	0.0000
L16	58	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	Auto	0.0881
L16	59	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	Auto	0.0881
L16	60	(Area) CCI-65FP-060100 (H)	88.17 - 88.50	Auto	0.0881
L17	46	MP3-05 (1.25in)	87.92 - 88.17	Auto	0.0686
L17	47	MP3-05 (1.25in)	87.92 - 88.17	Auto	0.0686

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L17	48	MP3-05 (1.25in)	87.92 - 88.17	Auto	0.0686
L17	58	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	Auto	0.1726
L17	59	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	Auto	0.1726
L17	60	(Area) CCI-65FP-060100 (H)	87.92 - 88.17	Auto	0.1726
L18	46	MP3-05 (1.25in)	82.92 - 87.92	Auto	0.0343
L18	47	MP3-05 (1.25in)	82.92 - 87.92	Auto	0.0343
L18	48	MP3-05 (1.25in)	82.92 - 87.92	Auto	0.0343
L18	58	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	Auto	0.1421
L18	59	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	Auto	0.1421
L18	60	(Area) CCI-65FP-060100 (H)	82.92 - 87.92	Auto	0.1421
L19	46	MP3-05 (1.25in)	77.92 - 82.92	Auto	0.0000
L19	47	MP3-05 (1.25in)	77.92 - 82.92	Auto	0.0000
L19	48	MP3-05 (1.25in)	77.92 - 82.92	Auto	0.0000
L19	58	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	Auto	0.0901
L19	59	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	Auto	0.0901
L19	60	(Area) CCI-65FP-060100 (H)	77.92 - 82.92	Auto	0.0901
L20	46	MP3-05 (1.25in)	72.92 - 77.92	Auto	0.0000
L20	47	MP3-05 (1.25in)	72.92 - 77.92	Auto	0.0000
L20	48	MP3-05 (1.25in)	72.92 - 77.92	Auto	0.0000
L20	58	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	Auto	0.0358
L20	59	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	Auto	0.0358
L20	60	(Area) CCI-65FP-060100 (H)	72.92 - 77.92	Auto	0.0358
L21	42	MP3-06 (1.25in)	68.25 - 71.75	Auto	0.1117
L21	43	MP3-06 (1.25in)	68.25 - 71.75	Auto	0.1117
L21	44	MP3-06 (1.25in)	68.25 - 71.75	Auto	0.1117
L21	46	MP3-05 (1.25in)	71.75 - 72.92	Auto	0.0000
L21	47	MP3-05 (1.25in)	71.75 - 72.92	Auto	0.0000
L21	48	MP3-05 (1.25in)	71.75 - 72.92	Auto	0.0000
L21	54	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	Auto	0.0000
L21	55	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	Auto	0.0000
L21	56	(Area) CCI-65FP-060100 (H)	68.25 - 70.58	Auto	0.0000
L21	58	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	Auto	0.0010
L21	59	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	Auto	0.0010
L21	60	(Area) CCI-65FP-060100 (H)	70.58 - 72.92	Auto	0.0010
L22	42	MP3-06 (1.25in)	67.98 - 68.25	Auto	0.1415
L22	43	MP3-06 (1.25in)	67.98 - 68.25	Auto	0.1415
L22	44	MP3-06 (1.25in)	67.98 - 68.25	Auto	0.1415
L22	54	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	Auto	0.0142
L22	55	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	Auto	0.0142
L22	56	(Area) CCI-65FP-060100 (H)	67.98 - 68.25	Auto	0.0142
L23	42	MP3-06 (1.25in)	67.83 - 67.98	Auto	0.1399
L23	43	MP3-06 (1.25in)	67.83 - 67.98	Auto	0.1399
L23	44	MP3-06 (1.25in)	67.83 - 67.98	Auto	0.1399
L23	54	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	Auto	0.0123
L23	55	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	Auto	0.0123
L23	56	(Area) CCI-65FP-060100 (H)	67.83 - 67.98	Auto	0.0123
L24	42	MP3-06 (1.25in)	62.83 - 67.83	Auto	0.1118
L24	43	MP3-06 (1.25in)	62.83 - 67.83	Auto	0.1118
L24	44	MP3-06 (1.25in)	62.83 - 67.83	Auto	0.1118
L24	54	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	Auto	0.0001
L24	55	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	Auto	0.0001
L24	56	(Area) CCI-65FP-060100 (H)	62.83 - 67.83	Auto	0.0001
L25	42	MP3-06 (1.25in)	57.83 - 62.83	Auto	0.0645
L25	43	MP3-06 (1.25in)	57.83 - 62.83	Auto	0.0645
L25	44	MP3-06 (1.25in)	57.83 - 62.83	Auto	0.0645
L25	54	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.0000
L25	55	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.0000
L25	56	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.0000
L26	42	MP3-06 (1.25in)	52.83 - 57.83	Auto	0.0192
L26	43	MP3-06 (1.25in)	52.83 - 57.83	Auto	0.0192
L26	44	MP3-06 (1.25in)	52.83 - 57.83	Auto	0.0192

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L26	54	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.0000
L26	55	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.0000
L26	56	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.0000
L27	42	MP3-06 (1.25in)	47.25 - 52.83	Auto	0.0000
L27	43	MP3-06 (1.25in)	47.25 - 52.83	Auto	0.0000
L27	44	MP3-06 (1.25in)	47.25 - 52.83	Auto	0.0000
L27	54	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	Auto	0.0000
L27	55	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	Auto	0.0000
L27	56	(Area) CCI-65FP-060100 (H)	47.25 - 52.83	Auto	0.0000
L28	42	MP3-06 (1.25in)	46.50 - 47.25	Auto	0.0000
L28	43	MP3-06 (1.25in)	46.50 - 47.25	Auto	0.0000
L28	44	MP3-06 (1.25in)	46.50 - 47.25	Auto	0.0000
L28	54	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	Auto	0.0000
L28	55	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	Auto	0.0000
L28	56	(Area) CCI-65FP-060100 (H)	46.50 - 47.25	Auto	0.0000
L29	38	MP3-08 (1.25in)	41.50 - 41.75	Auto	0.0876
L29	39	MP3-08 (1.25in)	41.50 - 41.75	Auto	0.0876
L29	40	MP3-08 (1.25in)	41.50 - 41.75	Auto	0.0876
L29	42	MP3-06 (1.25in)	41.75 - 46.50	Auto	0.0000
L29	43	MP3-06 (1.25in)	41.75 - 46.50	Auto	0.0000
L29	44	MP3-06 (1.25in)	41.75 - 46.50	Auto	0.0000
L29	54	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	Auto	0.0000
L29	55	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	Auto	0.0000
L29	56	(Area) CCI-65FP-060100 (H)	41.50 - 46.50	Auto	0.0000
L30	38	MP3-08 (1.25in)	37.75 - 41.50	Auto	0.0704
L30	39	MP3-08 (1.25in)	37.75 - 41.50	Auto	0.0704
L30	40	MP3-08 (1.25in)	37.75 - 41.50	Auto	0.0704
L30	54	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	Auto	0.0000
L30	55	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	Auto	0.0000
L30	56	(Area) CCI-65FP-060100 (H)	37.75 - 41.50	Auto	0.0000
L31	38	MP3-08 (1.25in)	37.50 - 37.75	Auto	0.0770
L31	39	MP3-08 (1.25in)	37.50 - 37.75	Auto	0.0770
L31	40	MP3-08 (1.25in)	37.50 - 37.75	Auto	0.0770
L31	54	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	Auto	0.0000
L31	55	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	Auto	0.0000
L31	56	(Area) CCI-65FP-060100 (H)	37.50 - 37.75	Auto	0.0000
L32	38	MP3-08 (1.25in)	32.50 - 37.50	Auto	0.0539
L32	39	MP3-08 (1.25in)	32.50 - 37.50	Auto	0.0539
L32	40	MP3-08 (1.25in)	32.50 - 37.50	Auto	0.0539
L32	50	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	Auto	0.0000
L32	51	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	Auto	0.0000
L32	52	(Area) CCI-65FP-065125 (H)	32.50 - 35.50	Auto	0.0000
L32	54	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0000
L32	55	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0000
L32	56	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0000
L33	38	MP3-08 (1.25in)	32.25 - 32.50	Auto	0.0528
L33	39	MP3-08 (1.25in)	32.25 - 32.50	Auto	0.0528
L33	40	MP3-08 (1.25in)	32.25 - 32.50	Auto	0.0528
L33	50	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	Auto	0.0000
L33	51	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	Auto	0.0000
L33	52	(Area) CCI-65FP-065125 (H)	32.25 - 32.50	Auto	0.0000
L34	30	MP3-08 (1.25in)	27.75 - 31.75	Auto	0.0297
L34	31	MP3-08 (1.25in)	27.75 - 31.75	Auto	0.0297
L34	36	MP3-08 (1.25in)	27.75 - 31.75	Auto	0.0297
L34	38	MP3-08 (1.25in)	31.75 - 32.25	Auto	0.0452
L34	39	MP3-08 (1.25in)	31.75 - 32.25	Auto	0.0452
L34	40	MP3-08 (1.25in)	31.75 - 32.25	Auto	0.0452
L34	50	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	Auto	0.0000
L34	51	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	Auto	0.0000
L34	52	(Area) CCI-65FP-065125 (H)	27.75 - 32.25	Auto	0.0000
L35	30	MP3-08 (1.25in)	27.50 - 27.75	Auto	0.0151

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L35	31	MP3-08 (1.25in)	27.50 - 27.75	Auto	0.0151
L35	36	MP3-08 (1.25in)	27.50 - 27.75	Auto	0.0151
L35	50	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L35	51	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L35	52	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L36	30	MP3-08 (1.25in)	23.25 - 27.50	Auto	0.0015
L36	31	MP3-08 (1.25in)	23.25 - 27.50	Auto	0.0015
L36	33	MP3-06 (1.25in)	23.25 - 26.75	Auto	0.0000
L36	34	MP3-06 (1.25in)	23.25 - 26.75	Auto	0.0000
L36	36	MP3-08 (1.25in)	23.25 - 27.50	Auto	0.0015
L36	50	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	Auto	0.0000
L36	51	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	Auto	0.0000
L36	52	(Area) CCI-65FP-065125 (H)	23.25 - 27.50	Auto	0.0000
L37	30	MP3-08 (1.25in)	23.00 - 23.25	Auto	0.0164
L37	31	MP3-08 (1.25in)	23.00 - 23.25	Auto	0.0164
L37	33	MP3-06 (1.25in)	23.00 - 23.25	Auto	0.0000
L37	34	MP3-06 (1.25in)	23.00 - 23.25	Auto	0.0000
L37	36	MP3-08 (1.25in)	23.00 - 23.25	Auto	0.0164
L37	50	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	Auto	0.0000
L37	51	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	Auto	0.0000
L37	52	(Area) CCI-65FP-065125 (H)	23.00 - 23.25	Auto	0.0000
L38	30	MP3-08 (1.25in)	20.75 - 23.00	Auto	0.0048
L38	31	MP3-08 (1.25in)	20.75 - 23.00	Auto	0.0048
L38	33	MP3-06 (1.25in)	20.75 - 23.00	Auto	0.0000
L38	34	MP3-06 (1.25in)	20.75 - 23.00	Auto	0.0000
L38	36	MP3-08 (1.25in)	20.75 - 23.00	Auto	0.0048
L38	50	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	Auto	0.0000
L38	51	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	Auto	0.0000
L38	52	(Area) CCI-65FP-065125 (H)	20.75 - 23.00	Auto	0.0000
L39	30	MP3-08 (1.25in)	20.50 - 20.75	Auto	0.0000
L39	31	MP3-08 (1.25in)	20.50 - 20.75	Auto	0.0000
L39	33	MP3-06 (1.25in)	20.50 - 20.75	Auto	0.0000
L39	34	MP3-06 (1.25in)	20.50 - 20.75	Auto	0.0000
L39	36	MP3-08 (1.25in)	20.50 - 20.75	Auto	0.0000
L39	50	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	Auto	0.0000
L39	51	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	Auto	0.0000
L39	52	(Area) CCI-65FP-065125 (H)	20.50 - 20.75	Auto	0.0000
L40	30	MP3-08 (1.25in)	15.50 - 20.50	Auto	0.0000
L40	31	MP3-08 (1.25in)	15.50 - 20.50	Auto	0.0000
L40	33	MP3-06 (1.25in)	15.50 - 20.50	Auto	0.0000
L40	34	MP3-06 (1.25in)	15.50 - 20.50	Auto	0.0000
L40	36	MP3-08 (1.25in)	16.75 - 20.50	Auto	0.0000
L40	50	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	Auto	0.0000
L40	51	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	Auto	0.0000
L40	52	(Area) CCI-65FP-065125 (H)	15.50 - 20.50	Auto	0.0000
L41	30	MP3-08 (1.25in)	10.50 - 15.50	Auto	0.0000
L41	31	MP3-08 (1.25in)	10.50 - 15.50	Auto	0.0000
L41	33	MP3-06 (1.25in)	10.50 - 15.50	Auto	0.0000
L41	34	MP3-06 (1.25in)	10.50 - 15.50	Auto	0.0000
L41	50	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	Auto	0.0000
L41	51	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	Auto	0.0000
L41	52	(Area) CCI-65FP-065125 (H)	10.50 - 15.50	Auto	0.0000
L42	30	MP3-08 (1.25in)	5.50 - 10.50	Auto	0.0000
L42	31	MP3-08 (1.25in)	5.50 - 10.50	Auto	0.0000
L42	33	MP3-06 (1.25in)	5.50 - 10.50	Auto	0.0000
L42	34	MP3-06 (1.25in)	5.50 - 10.50	Auto	0.0000
L42	50	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	Auto	0.0000
L42	51	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	Auto	0.0000
L42	52	(Area) CCI-65FP-065125 (H)	5.50 - 10.50	Auto	0.0000
L43	30	MP3-08 (1.25in)	2.00 - 5.50	Auto	0.0000
L43	31	MP3-08 (1.25in)	2.00 - 5.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	33	MP3-06 (1.25in)	2.00 - 5.50	Auto	0.0000
L43	34	MP3-06 (1.25in)	2.00 - 5.50	Auto	0.0000
L43	50	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	Auto	0.0000
L43	51	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	Auto	0.0000
L43	52	(Area) CCI-65FP-065125 (H)	2.00 - 5.50	Auto	0.0000
L44	30	MP3-08 (1.25in)	1.75 - 2.00	Auto	0.0000
L44	31	MP3-08 (1.25in)	1.75 - 2.00	Auto	0.0000
L44	33	MP3-06 (1.25in)	1.75 - 2.00	Auto	0.0000
L44	34	MP3-06 (1.25in)	1.75 - 2.00	Auto	0.0000
L44	50	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	Auto	0.0000
L44	51	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	Auto	0.0000
L44	52	(Area) CCI-65FP-065125 (H)	1.75 - 2.00	Auto	0.0000
L45	30	MP3-08 (1.25in)	1.50 - 1.75	Auto	0.0000
L45	31	MP3-08 (1.25in)	1.50 - 1.75	Auto	0.0000
L45	33	MP3-06 (1.25in)	1.50 - 1.75	Auto	0.0000
L45	34	MP3-06 (1.25in)	1.50 - 1.75	Auto	0.0000
L45	50	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	Auto	0.0000
L45	51	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	Auto	0.0000
L45	52	(Area) CCI-65FP-065125 (H)	1.50 - 1.75	Auto	0.0000
L46	30	MP3-08 (1.25in)	0.00 - 1.50	Auto	0.0000
L46	31	MP3-08 (1.25in)	0.00 - 1.50	Auto	0.0000
L46	33	MP3-06 (1.25in)	0.00 - 1.50	Auto	0.0000
L46	34	MP3-06 (1.25in)	0.00 - 1.50	Auto	0.0000
L46	50	(Area) CCI-65FP-065125 (H)	0.00 - 1.50	Auto	0.0000
L46	51	(Area) CCI-65FP-065125 (H)	0.00 - 1.50	Auto	0.0000
L46	52	(Area) CCI-65FP-065125 (H)	0.00 - 1.50	Auto	0.0000

Discrete Tower Loads

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
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Le	4.00 0.00	0.0000	140.00	No Ice 1/2" Ice	4.09 4.48	2.86 3.23	0.08 0.13

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	0.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
						2" Ice	5.71	4.40	0.33
(3) ACU-A20-N	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.07 0.10 0.15	0.12 0.16 0.21	0.00 0.00 0.00
						2" Ice	0.26	0.34	0.01
(3) ACU-A20-N	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.07 0.10 0.15	0.12 0.16 0.21	0.00 0.00 0.00
						2" Ice	0.26	0.34	0.01
(3) ACU-A20-N	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.07 0.10 0.15	0.12 0.16 0.21	0.00 0.00 0.00
						2" Ice	0.26	0.34	0.01
TD-RRH8X20-25	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
						2" Ice	4.72	2.02	0.18
TD-RRH8X20-25	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
						2" Ice	4.72	2.02	0.18
TD-RRH8X20-25	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
						2" Ice	4.72	2.02	0.18
Platform Mount [LP 1201-1]	C	None		0.0000	140.00	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
(2) 2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
(2) 2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
(2) 2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
**									
TME-1900MHz RRH (65MHz)	A	From Leg	2.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.31 2.52 2.73	2.38 2.58 2.79	0.06 0.08 0.11
						2" Ice	3.17	3.24	0.18
TME-1900MHz RRH (65MHz)	B	From Leg	2.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	2.31 2.52 2.73	2.38 2.58 2.79	0.06 0.08 0.11
						2" Ice	3.17	3.24	0.18
TME-1900MHz RRH (65MHz)	C	From Leg	2.00 0.00	0.0000	137.00	No Ice 1/2" Ice	2.31 2.52	2.38 2.58	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
			0.00			1" Ice	2.73	2.79	0.11
						2" Ice	3.17	3.24	0.18
TME-800MHZ RRH	A	From Leg	2.00	0.0000	137.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
						2" Ice	2.92	2.51	0.16
TME-800MHZ RRH	B	From Leg	2.00	0.0000	137.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
						2" Ice	2.92	2.51	0.16
TME-800MHZ RRH	C	From Leg	2.00	0.0000	137.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
						2" Ice	2.92	2.51	0.16
TME-800MHz 2X50W RRH W/FILTER	A	From Leg	2.00	0.0000	137.00	No Ice	2.06	1.93	0.06
			0.00			1/2" Ice	2.24	2.11	0.09
			0.00			1" Ice	2.43	2.29	0.11
						2" Ice	2.83	2.68	0.17
TME-800MHz 2X50W RRH W/FILTER	B	From Leg	2.00	0.0000	137.00	No Ice	2.06	1.93	0.06
			0.00			1/2" Ice	2.24	2.11	0.09
			0.00			1" Ice	2.43	2.29	0.11
						2" Ice	2.83	2.68	0.17
TME-800MHz 2X50W RRH W/FILTER	C	From Leg	2.00	0.0000	137.00	No Ice	2.06	1.93	0.06
			0.00			1/2" Ice	2.24	2.11	0.09
			0.00			1" Ice	2.43	2.29	0.11
						2" Ice	2.83	2.68	0.17
(2) 2.4" Dia. x 4-ft	A	From Leg	2.00	0.0000	137.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
(2) 2.4" Dia. x 4-ft	B	From Leg	2.00	0.0000	137.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
(2) 2.4" Dia. x 4-ft	C	From Leg	2.00	0.0000	137.00	No Ice	0.87	0.87	0.01
			0.00			1/2" Ice	1.12	1.12	0.02
			0.00			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
Side Arm Mount [SO 103-3]	C	None		0.0000	137.00	No Ice	7.64	7.64	0.23
						1/2" Ice	8.80	8.80	0.36
						1" Ice	10.16	10.16	0.52
						2" Ice	13.36	13.36	0.94
**									
7770.00 w/ Mount Pipe	A	From Centroid-Face	4.00	0.0000	121.00	No Ice	5.75	4.25	0.06
			0.00			1/2" Ice	6.18	5.01	0.10
			2.00			1" Ice	6.61	5.71	0.16
						2" Ice	7.49	7.16	0.29
7770.00 w/ Mount Pipe	B	From Centroid-Face	4.00	0.0000	121.00	No Ice	5.75	4.25	0.06
			0.00			1/2" Ice	6.18	5.01	0.10
			2.00			1" Ice	6.61	5.71	0.16
						2" Ice	7.49	7.16	0.29
7770.00 w/ Mount Pipe	C	From Centroid-Face	4.00	0.0000	121.00	No Ice	5.75	4.25	0.06
			0.00			1/2" Ice	6.18	5.01	0.10
			2.00			1" Ice	6.61	5.71	0.16
						2" Ice	7.49	7.16	0.29
QS66512-6 w/ Mount Pipe	A	From Centroid-Fa	4.00	0.0000	121.00	No Ice	4.04	4.18	0.14
			0.00			1/2" Ice	4.42	4.57	0.21

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
		ce	2.00			1" Ice	4.82	4.97	0.29
						2" Ice	5.63	5.79	0.48
QS66512-6 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	4.04 4.42 4.82	4.18 4.57 4.97	0.14 0.21 0.29
						2" Ice	5.63	5.79	0.48
QS66512-6 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	4.04 4.42 4.82	4.18 4.57 4.97	0.14 0.21 0.29
						2" Ice	5.63	5.79	0.48
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
						2" Ice	12.36	9.22	0.42
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
						2" Ice	12.36	9.22	0.42
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
						2" Ice	12.36	9.22	0.42
(2) LGP21401	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
WCS-IMFT-AMT-43	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	0.38 0.47 0.55	0.25 0.32 0.40	0.01 0.01 0.02
						2" Ice	0.75	0.57	0.03
WCS-IMFT-AMT-43	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	0.38 0.47 0.55	0.25 0.32 0.40	0.01 0.01 0.02
						2" Ice	0.75	0.57	0.03
DC6-48-60-18-8C	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	1.14 1.79 2.00	1.14 1.79 2.00	0.03 0.05 0.07
						2" Ice	2.45	2.45	0.13
DC6-48-60-18-8F	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	1.21 1.89 2.11	1.21 1.89 2.11	0.03 0.05 0.08
						2" Ice	2.57	2.57	0.14
DBC0061F1V51-2	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	0.43 0.51 0.61	0.41 0.50 0.59	0.03 0.03 0.04
						2" Ice	0.81	0.79	0.06
DBC0061F1V51-2	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice	0.43 0.51 0.61	0.41 0.50 0.59	0.03 0.03 0.04

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
						2" Ice	0.81	0.79	0.06
DBC0061F1V51-2	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.43 0.51 0.61 0.81	0.41 0.50 0.59 0.79	0.03 0.03 0.04 0.06
RRUS 32	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 32	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 32	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 11	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	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
RRUS 11	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	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
RRUS 11	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	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
RRUS12/RRUS A2	A	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.36 3.59 4.07	1.84 2.01 2.20 2.59	0.07 0.10 0.13 0.20
RRUS12/RRUS A2	B	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.36 3.59 4.07	1.84 2.01 2.20 2.59	0.07 0.10 0.13 0.20
RRUS12/RRUS A2	C	From Centroid-Face	4.00 0.00 2.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.36 3.59 4.07	1.84 2.01 2.20 2.59	0.07 0.10 0.13 0.20
Platform Mount [LP 1201-1_HR-1]	C	None		0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	26.39 31.40 36.20 45.40	26.39 31.40 36.20 45.40	2.36 3.06 3.86 5.76
(2) SitePro1 SFS-V-L	A	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.24 4.78 5.44 6.40	3.96 4.46 5.06 5.96	0.08 0.10 0.14 0.17
(2) SitePro1 SFS-V-L	B	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.24 4.78 5.44 6.40	3.96 4.46 5.06 5.96	0.08 0.10 0.14 0.17
(2) SitePro1 SFS-V-L	C	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.24 4.78 5.44 6.40	3.96 4.46 5.06 5.96	0.08 0.10 0.14 0.17

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
(3) 2.4" Dia. x 6-ft	A	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(3) 2.4" Dia. x 6-ft	B	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(3) 2.4" Dia. x 6-ft	C	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
2.4" x 10' pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.38 3.40 4.45 5.91	2.38 3.40 4.45 5.91	0.04 0.05 0.08 0.15
2.4" x 10' pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.38 3.40 4.45 5.91	2.38 3.40 4.45 5.91	0.04 0.05 0.08 0.15
2.4" x 10' pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	121.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.38 3.40 4.45 5.91	2.38 3.40 4.45 5.91	0.04 0.05 0.08 0.15
** **									
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	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-Leg	4.00 0.00 1.00	0.0000	115.00	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-Leg	4.00 0.00 1.00	0.0000	115.00	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
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	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	115.00	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	115.00	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
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	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	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46

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
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	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	0.19 0.31 0.46 0.79
RADIO 4449 B12/B71	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
SDX1926Q-43	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.24 0.31 0.38 0.55	0.10 0.14 0.19 0.32	0.01 0.01 0.01 0.02
SDX1926Q-43	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.24 0.31 0.38 0.55	0.10 0.14 0.19 0.32	0.01 0.01 0.01 0.02
SDX1926Q-43	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.24 0.31 0.38 0.55	0.10 0.14 0.19 0.32	0.01 0.01 0.01 0.02
ETW200VS12UB	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.40 0.49 0.57 0.77	0.17 0.23 0.29 0.45	0.01 0.01 0.02 0.03
ETW200VS12UB	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.40 0.49 0.57 0.77	0.17 0.23 0.29 0.45	0.01 0.01 0.02 0.03
ETW200VS12UB	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.40 0.49 0.57 0.77	0.17 0.23 0.29 0.45	0.01 0.01 0.02 0.03
RRUS 4415 B25_CCIV2	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	0.82 0.94 1.07 1.37	0.05 0.06 0.08 0.12
RRUS 4415 B25_CCIV2	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	0.82 0.94 1.07 1.37	0.05 0.06 0.08 0.12
RRUS 4415 B25_CCIV2	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	0.82 0.94 1.07 1.37	0.05 0.06 0.08 0.12
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.61 45.62 53.59 69.65	37.61 45.62 53.59 69.65	2.63 3.48 4.46 6.85

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
2.4" Dia. x 9-ft Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 3.09 4.03 5.14	2.16 3.09 4.03 5.14	0.04 0.05 0.08 0.14
2.4" Dia. x 9-ft Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 3.09 4.03 5.14	2.16 3.09 4.03 5.14	0.04 0.05 0.08 0.14
2.4" Dia. x 9-ft Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 3.09 4.03 5.14	2.16 3.09 4.03 5.14	0.04 0.05 0.08 0.14
**									
LNX-6514DS-VTM w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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-VTM w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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-VTM w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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
CBRS w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
MT6407-77A w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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
JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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

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
JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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
JAHH-65B-R3B	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
JAHH-65B-R3B	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
JAHH-65B-R3B	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
RFV01U-D1A	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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 0.00	0.0000	104.00	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 0.00	0.0000	104.00	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-D2A	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	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 0.00	0.0000	104.00	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
FDJ85020Q4-S1	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.09 1.24 1.54	0.36 0.43 0.52 0.71	0.02 0.03 0.04 0.08
FDJ85020Q4-S1	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.09 1.24 1.54	0.36 0.43 0.52 0.71	0.02 0.03 0.04 0.08
FDJ85020Q4-S1	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.09 1.24 1.54	0.36 0.43 0.52 0.71	0.02 0.03 0.04 0.08
RRFDC-3315-PF-48	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.36 3.60 3.84 4.34	2.19 2.39 2.61 3.05	0.02 0.05 0.08 0.16
RRFDC-3315-PF-48	B	From	4.00	0.0000	104.00	No Ice	3.36	2.19	0.02

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 0.00			1/2" Ice	3.60	2.39	0.05
						1" Ice	3.84	2.61	0.08
						2" Ice	4.34	3.05	0.16
Platform Mount [LP 1201-1_HR-1]	C	None		0.0000	104.00	No Ice	26.39	26.39	2.36
						1/2" Ice	31.40	31.40	3.06
						1" Ice	36.20	36.20	3.86
						2" Ice	45.40	45.40	5.76
SitePro1 SFS-V-L	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	4.24	3.96	0.08
						1/2" Ice	4.78	4.46	0.10
						1" Ice	5.44	5.06	0.14
						2" Ice	6.40	5.96	0.17
SitePro1 SFS-V-L	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	4.24	3.96	0.08
						1/2" Ice	4.78	4.46	0.10
						1" Ice	5.44	5.06	0.14
						2" Ice	6.40	5.96	0.17
SitePro1 SFS-V-L	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	4.24	3.96	0.08
						1/2" Ice	4.78	4.46	0.10
						1" Ice	5.44	5.06	0.14
						2" Ice	6.40	5.96	0.17
2.4" Dia. x 6-ft	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
2.4" Dia. x 6-ft	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
2.4" Dia. x 6-ft	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	104.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
**									
Pipe Mount [PM 601-3]	C	None		0.0000	95.00	No Ice	3.17	3.17	0.20
						1/2" Ice	3.79	3.79	0.23
						1" Ice	4.42	4.42	0.28
						2" Ice	5.76	5.76	0.40
**									
OG-860/1920/GPS-A	A	From Leg	3.00 0.00 2.00	0.0000	80.00	No Ice	0.31	0.37	0.00
						1/2" Ice	0.40	0.46	0.01
						1" Ice	0.49	0.55	0.01
						2" Ice	0.70	0.77	0.02
Side Arm Mount [SO 901-1]	A	None		0.0000	80.00	No Ice	0.33	0.62	0.11
						1/2" Ice	0.46	0.78	0.11
						1" Ice	0.62	0.97	0.12
						2" Ice	1.01	1.43	0.15
2.4" Dia. x 6-ft	A	From Leg	3.00 0.00 0.00	0.0000	80.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
**									

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	140 - 135	Pole	Max Tension	26	0.00	0.00	0.00
			Max. Compression	26	-10.00	0.00	0.00
			Max. Mx	8	-4.25	-20.64	-0.00
			Max. My	2	-4.25	0.00	20.64
			Max. Vy	8	5.25	-20.64	-0.00
			Max. Vx	2	-5.25	0.00	20.64
			Max. Torque	19			0.00
L2	135 - 130	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.49	0.00	0.00
			Max. Mx	8	-4.52	-47.89	-0.00
			Max. My	2	-4.52	0.00	47.89
			Max. Vy	8	5.66	-47.89	-0.00
			Max. Vx	2	-5.66	0.00	47.89
			Max. Torque	20			0.00
L3	130 - 125	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-11.00	0.00	0.00
			Max. Mx	8	-4.82	-77.21	-0.00
			Max. My	2	-4.82	0.00	77.20
			Max. Vy	8	6.08	-77.21	-0.00
			Max. Vx	2	-6.08	0.00	77.20
			Max. Torque	20			0.00
L4	125 - 120	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.67	0.35	-0.14
			Max. Mx	20	-10.10	122.50	-0.02
			Max. My	14	-10.10	0.10	-122.38
			Max. Vy	8	13.57	-122.25	-0.03
			Max. Vx	2	-13.56	0.11	122.32
			Max. Torque	24			0.19
L5	120 - 115	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-24.39	0.35	-0.14
			Max. Mx	20	-10.63	191.41	-0.01
			Max. My	14	-10.63	0.10	-191.26
			Max. Vy	8	14.01	-191.17	-0.03
			Max. Vx	2	-14.00	0.11	191.20
			Max. Torque	24			0.19
L6	115 - 110	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.72	0.22	-0.07
			Max. Mx	20	-16.43	292.08	0.01
			Max. My	14	-16.43	0.06	-291.90
			Max. Vy	8	19.83	-291.91	-0.01
			Max. Vx	2	-19.82	0.08	291.89
			Max. Torque	24			0.19
L7	110 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.66	0.09	0.00
			Max. Mx	20	-17.13	392.15	0.04
			Max. My	2	-17.14	0.04	391.97
			Max. Vy	8	20.23	-392.05	0.01
			Max. Vx	2	-20.23	0.04	391.97
			Max. Torque	24			0.19
L8	105 - 104	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.87	0.07	0.02
			Max. Mx	20	-17.28	412.40	0.05
			Max. My	2	-17.28	0.04	412.23
			Max. Vy	8	20.31	-412.32	0.02
			Max. Vx	2	-20.30	0.04	412.23
			Max. Torque	24			0.19
L9	104 - 103.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.91	-0.35	0.26
			Max. Mx	8	-22.04	-419.23	0.05
			Max. My	2	-22.04	-0.02	419.11
			Max. Vy	8	25.54	-419.23	0.05

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-25.56	-0.02	419.11
			Max. Torque	24			0.19
L10	103.75 - 98.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.39	-0.49	0.34
			Max. Mx	8	-23.05	-548.07	-0.04
			Max. My	2	-23.05	0.05	548.02
			Max. Vy	8	26.00	-548.07	-0.04
			Max. Vx	2	-26.01	0.05	548.02
			Max. Torque	13			0.17
L11	98.75 - 98.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.55	-0.50	0.35
			Max. Mx	8	-23.16	-561.08	-0.05
			Max. My	2	-23.17	0.06	561.03
			Max. Vy	8	26.04	-561.08	-0.05
			Max. Vx	2	-26.05	0.06	561.03
			Max. Torque	13			0.17
L12	98.25 - 98	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.65	-0.51	0.35
			Max. Mx	8	-23.24	-567.60	-0.05
			Max. My	2	-23.24	0.06	567.55
			Max. Vy	8	26.07	-567.60	-0.05
			Max. Vx	2	-26.08	0.06	567.55
			Max. Torque	13			0.17
L13	98 - 97	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.04	-0.53	0.37
			Max. Mx	8	-23.50	-593.72	-0.07
			Max. My	2	-23.50	0.07	593.67
			Max. Vy	8	26.18	-593.72	-0.07
			Max. Vx	2	-26.18	0.07	593.67
			Max. Torque	13			0.17
L14	97 - 96.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.12	-0.54	0.37
			Max. Mx	8	-23.56	-600.27	-0.07
			Max. My	2	-23.56	0.07	600.22
			Max. Vy	8	26.20	-600.27	-0.07
			Max. Vx	2	-26.20	0.07	600.22
			Max. Torque	13			0.17
L15	96.75 - 88.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.19	-0.69	0.35
			Max. Mx	8	-24.93	-733.00	-0.18
			Max. My	2	-24.93	0.14	732.92
			Max. Vy	8	26.84	-733.00	-0.18
			Max. Vx	2	-26.84	0.14	732.92
			Max. Torque	13			0.17
L16	88.5 - 88.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.16	-0.80	0.33
			Max. Mx	8	-26.31	-829.84	-0.26
			Max. My	2	-26.31	0.18	829.73
			Max. Vy	8	27.25	-829.84	-0.26
			Max. Vx	2	-27.25	0.18	829.73
			Max. Torque	13			0.17
L17	88.17 - 87.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.28	-0.80	0.33
			Max. Mx	8	-26.39	-836.65	-0.26
			Max. My	2	-26.39	0.19	836.54
			Max. Vy	8	27.28	-836.65	-0.26
			Max. Vx	2	-27.28	0.19	836.54
			Max. Torque	13			0.17
L18	87.92 - 82.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.59	-0.97	0.30
			Max. Mx	8	-28.01	-974.38	-0.38

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-28.02	0.25	974.16
			Max. Vy	8	27.82	-974.38	-0.38
			Max. Vx	2	-27.79	0.25	974.16
			Max. Torque	13			0.17
L19	82.92 - 77.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.18	-1.14	0.62
			Max. Mx	8	-29.82	-1115.04	-0.41
			Max. My	2	-29.82	0.31	1114.71
			Max. Vy	8	28.46	-1115.04	-0.41
			Max. Vx	2	-28.42	0.31	1114.71
			Max. Torque	10			0.48
L20	77.92 - 72.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.54	-1.31	0.58
			Max. Mx	8	-31.51	-1258.61	-0.53
			Max. My	2	-31.52	0.37	1257.99
			Max. Vy	8	28.97	-1258.61	-0.53
			Max. Vx	2	-28.92	0.37	1257.99
			Max. Torque	10			0.48
L21	72.92 - 68.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.80	-1.48	0.55
			Max. Mx	8	-33.12	-1395.01	-0.64
			Max. My	2	-33.13	0.42	1394.06
			Max. Vy	8	29.46	-1395.01	-0.64
			Max. Vx	2	-29.39	0.42	1394.06
			Max. Torque	10			0.48
L22	68.25 - 67.98	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.94	-1.48	0.55
			Max. Mx	8	-33.23	-1402.96	-0.65
			Max. My	2	-33.24	0.43	1401.99
			Max. Vy	8	29.48	-1402.96	-0.65
			Max. Vx	2	-29.40	0.43	1401.99
			Max. Torque	10			0.48
L23	67.98 - 67.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.02	-1.49	0.54
			Max. Mx	8	-33.29	-1407.39	-0.65
			Max. My	2	-33.30	0.43	1406.40
			Max. Vy	8	29.50	-1407.39	-0.65
			Max. Vx	2	-29.42	0.43	1406.40
			Max. Torque	10			0.48
L24	67.83 - 62.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.64	-1.67	0.51
			Max. Mx	8	-35.19	-1556.21	-0.77
			Max. My	2	-35.20	0.49	1554.73
			Max. Vy	8	30.04	-1556.21	-0.77
			Max. Vx	2	-29.94	0.49	1554.73
			Max. Torque	10			0.48
L25	62.83 - 57.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.28	-1.86	0.47
			Max. Mx	8	-37.12	-1707.70	-0.89
			Max. My	2	-37.13	0.54	1705.60
			Max. Vy	8	30.57	-1707.70	-0.89
			Max. Vx	2	-30.45	0.54	1705.60
			Max. Torque	10			0.48
L26	57.83 - 52.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.94	-2.05	0.43
			Max. Mx	8	-39.08	-1861.76	-1.01
			Max. My	2	-39.09	0.59	1858.98
			Max. Vy	8	31.08	-1861.76	-1.01
			Max. Vx	2	-30.94	0.59	1858.98
			Max. Torque	10			0.48
L27	52.83 - 47.25	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-73.66	-2.10	0.42
			Max. Mx	8	-39.61	-1903.17	-1.04
			Max. My	2	-39.61	0.61	1900.19
			Max. Vy	8	31.21	-1903.17	-1.04
			Max. Vx	2	-31.08	0.61	1900.19
			Max. Torque	10			0.48
L28	47.25 - 46.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.06	-2.30	0.38
			Max. Mx	8	-43.02	-2060.78	-1.16
			Max. My	2	-43.03	0.66	2057.05
			Max. Vy	8	31.82	-2060.78	-1.16
			Max. Vx	2	-31.68	0.66	2057.05
			Max. Torque	10			0.48
L29	46.5 - 41.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.89	-2.50	0.34
			Max. Mx	8	-45.16	-2221.06	-1.28
			Max. My	2	-45.17	0.71	2216.54
			Max. Vy	8	32.30	-2221.06	-1.28
			Max. Vx	2	-32.15	0.71	2216.54
			Max. Torque	10			0.48
L30	41.5 - 37.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.05	-2.65	0.31
			Max. Mx	8	-46.79	-2342.79	-1.37
			Max. My	2	-46.79	0.75	2337.66
			Max. Vy	8	32.65	-2342.79	-1.37
			Max. Vx	2	-32.50	0.75	2337.66
			Max. Torque	10			0.48
L31	37.75 - 37.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.20	-2.66	0.31
			Max. Mx	8	-46.92	-2350.95	-1.38
			Max. My	2	-46.92	0.75	2345.79
			Max. Vy	8	32.66	-2350.95	-1.38
			Max. Vx	2	-32.50	0.75	2345.79
			Max. Torque	10			0.48
L32	37.5 - 32.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.20	-2.86	0.27
			Max. Mx	8	-49.21	-2515.41	-1.50
			Max. My	2	-49.21	0.80	2509.38
			Max. Vy	8	33.13	-2515.41	-1.50
			Max. Vx	2	-32.97	0.80	2509.38
			Max. Torque	10			0.48
L33	32.5 - 32.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.36	-2.87	0.26
			Max. Mx	8	-49.34	-2523.69	-1.50
			Max. My	2	-49.34	0.80	2517.62
			Max. Vy	8	33.14	-2523.69	-1.50
			Max. Vx	2	-32.98	0.80	2517.62
			Max. Torque	10			0.48
L34	32.25 - 27.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.20	-3.06	0.23
			Max. Mx	8	-51.53	-2673.78	-1.61
			Max. My	2	-51.54	0.84	2666.88
			Max. Vy	8	33.57	-2673.78	-1.61
			Max. Vx	2	-33.40	0.84	2666.88
			Max. Torque	10			0.48
L35	27.75 - 27.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.36	-3.07	0.23
			Max. Mx	8	-51.67	-2682.17	-1.62
			Max. My	2	-51.67	0.84	2675.23
			Max. Vy	8	33.58	-2682.17	-1.62
			Max. Vx	2	-33.40	0.84	2675.23

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	10			0.48
L36	27.5 - 23.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-92.14	-3.35	0.13
			Max. Mx	8	-53.77	-2825.66	-1.72
			Max. My	2	-53.77	0.88	2817.91
			Max. Vy	8	33.96	-2825.66	-1.72
			Max. Vx	14	33.78	-2.63	-2817.84
			Max. Torque	10			0.48
L37	23.25 - 23	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-92.33	-3.37	0.12
			Max. Mx	8	-53.92	-2834.15	-1.73
			Max. My	2	-53.92	0.88	2826.35
			Max. Vy	8	33.96	-2834.15	-1.73
			Max. Vx	14	33.79	-2.64	-2826.29
			Max. Torque	10			0.48
L38	23 - 20.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-93.97	-3.54	0.07
			Max. Mx	8	-55.19	-2910.80	-1.78
			Max. My	2	-55.19	0.90	2902.56
			Max. Vy	8	34.17	-2910.80	-1.78
			Max. Vx	14	33.99	-2.71	-2902.51
			Max. Torque	10			0.48
L39	20.75 - 20.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.14	-3.55	0.06
			Max. Mx	8	-55.33	-2919.34	-1.79
			Max. My	2	-55.33	0.90	2911.06
			Max. Vy	8	34.18	-2919.34	-1.79
			Max. Vx	14	34.00	-2.72	-2911.01
			Max. Torque	10			0.48
L40	20.5 - 15.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.56	-3.88	-0.06
			Max. Mx	8	-57.97	-3091.25	-1.91
			Max. My	2	-57.97	0.94	3081.99
			Max. Vy	8	34.59	-3091.25	-1.91
			Max. Vx	14	34.41	-2.89	-3081.97
			Max. Torque	10			0.48
L41	15.5 - 10.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-100.94	-4.10	-0.16
			Max. Mx	8	-60.64	-3265.06	-2.03
			Max. My	14	-60.64	-3.06	-3254.85
			Max. Vy	8	34.96	-3265.06	-2.03
			Max. Vx	14	34.78	-3.06	-3254.85
			Max. Torque	10			0.48
L42	10.5 - 5.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.31	-4.32	-0.25
			Max. Mx	8	-63.35	-3440.71	-2.15
			Max. My	14	-63.35	-3.23	-3429.56
			Max. Vy	8	35.32	-3440.71	-2.15
			Max. Vx	14	35.14	-3.23	-3429.56
			Max. Torque	10			0.48
L43	5.5 - 2	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.64	-4.46	-0.32
			Max. Mx	8	-65.26	-3564.75	-2.23
			Max. My	14	-65.26	-3.34	-3552.95
			Max. Vy	8	35.58	-3564.75	-2.23
			Max. Vx	14	35.40	-3.34	-3552.95
			Max. Torque	10			0.48
L44	2 - 1.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.80	-4.47	-0.32
			Max. Mx	8	-65.40	-3573.65	-2.24
			Max. My	14	-65.40	-3.35	-3561.79

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	35.58	-3573.65	-2.24
			Max. Vx	14	35.40	-3.35	-3561.79
			Max. Torque	10			0.48
L45	1.75 - 1.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.98	-4.48	-0.33
			Max. Mx	8	-65.55	-3582.55	-2.25
			Max. My	14	-65.55	-3.36	-3570.65
			Max. Vy	8	35.60	-3582.55	-2.25
			Max. Vx	14	35.42	-3.36	-3570.65
			Max. Torque	10			0.48
L46	1.5 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-108.02	-4.54	-0.35
			Max. Mx	8	-66.42	-3636.05	-2.28
			Max. My	14	-66.42	-3.41	-3623.87
			Max. Vy	8	35.75	-3636.05	-2.28
			Max. Vx	14	35.57	-3.41	-3623.87
			Max. Torque	10			0.48

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	108.02	0.00	0.00
	Max. H_x	20	66.44	35.72	0.02
	Max. H_z	2	66.44	0.02	35.54
	Max. M_x	2	3623.78	0.02	35.54
	Max. M_z	8	3636.05	-35.72	-0.02
	Max. Torsion	10	0.48	-30.78	-17.79
	Min. Vert	19	49.83	30.76	-17.75
	Min. H_x	8	66.44	-35.72	-0.02
	Min. H_z	14	66.44	-0.02	-35.54
	Min. M_x	14	-3623.87	-0.02	-35.54
	Min. M_z	20	-3633.70	35.72	0.02
	Min. Torsion	22	-0.47	30.78	17.79

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	55.36	0.00	0.00	0.04	-0.94	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	66.44	-0.02	-35.54	-3623.78	1.06	0.13
0.9 Dead+1.0 Wind 0 deg - No Ice	49.83	-0.02	-35.54	-3576.56	1.34	0.14
1.2 Dead+1.0 Wind 30 deg - No Ice	66.44	18.81	-32.62	-3266.94	-1885.28	-0.10
0.9 Dead+1.0 Wind 30 deg - No Ice	49.83	18.81	-32.62	-3224.89	-1860.71	-0.10
1.2 Dead+1.0 Wind 60 deg - No Ice	66.44	30.76	-17.75	-1809.94	-3137.00	-0.34
0.9 Dead+1.0 Wind 60 deg - No	49.83	30.76	-17.75	-1786.35	-3095.82	-0.34

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Ice						
1.2 Dead+1.0 Wind 90 deg - No Ice	66.44	35.72	0.02	2.28	-3636.05	-0.47
0.9 Dead+1.0 Wind 90 deg - No Ice	49.83	35.72	0.02	2.25	-3588.43	-0.47
1.2 Dead+1.0 Wind 120 deg - No Ice	66.44	30.78	17.79	1813.90	-3139.23	-0.48
0.9 Dead+1.0 Wind 120 deg - No Ice	49.83	30.78	17.79	1790.24	-3098.02	-0.47
1.2 Dead+1.0 Wind 150 deg - No Ice	66.44	18.79	32.54	3234.34	-1868.99	-0.35
0.9 Dead+1.0 Wind 150 deg - No Ice	49.83	18.79	32.54	3192.68	-1844.63	-0.35
1.2 Dead+1.0 Wind 180 deg - No Ice	66.44	0.02	35.54	3623.87	-3.41	-0.13
0.9 Dead+1.0 Wind 180 deg - No Ice	49.83	0.02	35.54	3576.63	-3.08	-0.14
1.2 Dead+1.0 Wind 210 deg - No Ice	66.44	-18.81	32.62	3267.03	1882.93	0.10
0.9 Dead+1.0 Wind 210 deg - No Ice	49.83	-18.81	32.62	3224.96	1858.97	0.10
1.2 Dead+1.0 Wind 240 deg - No Ice	66.44	-30.76	17.75	1810.03	3134.65	0.34
0.9 Dead+1.0 Wind 240 deg - No Ice	49.83	-30.76	17.75	1786.42	3094.07	0.34
1.2 Dead+1.0 Wind 270 deg - No Ice	66.44	-35.72	-0.02	-2.19	3633.70	0.47
0.9 Dead+1.0 Wind 270 deg - No Ice	49.83	-35.72	-0.02	-2.17	3586.69	0.47
1.2 Dead+1.0 Wind 300 deg - No Ice	66.44	-30.78	-17.79	-1813.81	3136.88	0.47
0.9 Dead+1.0 Wind 300 deg - No Ice	49.83	-30.78	-17.79	-1790.17	3096.28	0.47
1.2 Dead+1.0 Wind 330 deg - No Ice	66.44	-18.79	-32.54	-3234.26	1866.64	0.35
0.9 Dead+1.0 Wind 330 deg - No Ice	49.83	-18.79	-32.54	-3192.62	1842.89	0.35
1.2 Dead+1.0 Ice+1.0 Temp	108.02	0.00	0.00	0.35	-4.54	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	108.02	-0.00	-8.08	-877.61	-4.56	0.01
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	108.02	4.05	-7.01	-761.95	-444.68	-0.05
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	108.02	6.99	-4.04	-438.31	-764.82	-0.10
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	108.02	8.08	0.00	0.70	-882.60	-0.12
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	108.02	7.00	4.04	439.60	-765.22	-0.11
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	108.02	4.04	7.00	760.79	-444.13	-0.07
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	108.02	0.00	8.08	878.20	-5.36	-0.01
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	108.02	-4.05	7.01	762.55	434.76	0.05
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	108.02	-6.99	4.04	438.90	754.90	0.10
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	108.02	-8.08	-0.00	-0.11	872.68	0.12
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	108.02	-7.00	-4.04	-439.01	755.30	0.11
1.2 Dead+1.0 Wind 330	108.02	-4.04	-7.00	-760.19	434.21	0.07

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	55.36	-0.00	-7.72	-780.85	-0.49	0.02
Dead+Wind 30 deg - Service	55.36	4.08	-7.08	-704.05	-407.03	-0.03
Dead+Wind 60 deg - Service	55.36	6.68	-3.85	-389.99	-676.71	-0.08
Dead+Wind 90 deg - Service	55.36	7.75	0.00	0.52	-784.26	-0.10
Dead+Wind 120 deg - Service	55.36	6.68	3.86	390.90	-677.19	-0.10
Dead+Wind 150 deg - Service	55.36	4.08	7.06	697.06	-403.51	-0.07
Dead+Wind 180 deg - Service	55.36	0.00	7.72	780.93	-1.46	-0.02
Dead+Wind 210 deg - Service	55.36	-4.08	7.08	704.12	405.08	0.03
Dead+Wind 240 deg - Service	55.36	-6.68	3.85	390.06	674.76	0.08
Dead+Wind 270 deg - Service	55.36	-7.75	-0.00	-0.45	782.31	0.10
Dead+Wind 300 deg - Service	55.36	-6.68	-3.86	-390.83	675.24	0.10
Dead+Wind 330 deg - Service	55.36	-4.08	-7.06	-696.99	401.56	0.07

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-55.36	0.00	0.00	55.36	0.00	0.000%
2	-0.02	-66.44	-35.54	0.02	66.44	35.54	0.000%
3	-0.02	-49.83	-35.54	0.02	49.83	35.54	0.000%
4	18.81	-66.44	-32.62	-18.81	66.44	32.62	0.000%
5	18.81	-49.83	-32.62	-18.81	49.83	32.62	0.000%
6	30.76	-66.44	-17.75	-30.76	66.44	17.75	0.000%
7	30.76	-49.83	-17.75	-30.76	49.83	17.75	0.000%
8	35.72	-66.44	0.02	-35.72	66.44	-0.02	0.000%
9	35.72	-49.83	0.02	-35.72	49.83	-0.02	0.000%
10	30.78	-66.44	17.79	-30.78	66.44	-17.79	0.000%
11	30.78	-49.83	17.79	-30.78	49.83	-17.79	0.000%
12	18.79	-66.44	32.54	-18.79	66.44	-32.54	0.000%
13	18.79	-49.83	32.54	-18.79	49.83	-32.54	0.000%
14	0.02	-66.44	35.54	-0.02	66.44	-35.54	0.000%
15	0.02	-49.83	35.54	-0.02	49.83	-35.54	0.000%
16	-18.81	-66.44	32.62	18.81	66.44	-32.62	0.000%
17	-18.81	-49.83	32.62	18.81	49.83	-32.62	0.000%
18	-30.76	-66.44	17.75	30.76	66.44	-17.75	0.000%
19	-30.76	-49.83	17.75	30.76	49.83	-17.75	0.000%
20	-35.72	-66.44	-0.02	35.72	66.44	0.02	0.000%
21	-35.72	-49.83	-0.02	35.72	49.83	0.02	0.000%
22	-30.78	-66.44	-17.79	30.78	66.44	17.79	0.000%
23	-30.78	-49.83	-17.79	30.78	49.83	17.79	0.000%
24	-18.79	-66.44	-32.54	18.79	66.44	32.54	0.000%
25	-18.79	-49.83	-32.54	18.79	49.83	32.54	0.000%
26	0.00	-108.02	0.00	0.00	108.02	0.00	0.000%
27	-0.00	-108.02	-8.08	0.00	108.02	8.08	0.000%
28	4.05	-108.02	-7.01	-4.05	108.02	7.01	0.000%
29	6.99	-108.02	-4.04	-6.99	108.02	4.04	0.000%
30	8.08	-108.02	0.00	-8.08	108.02	-0.00	0.000%
31	7.00	-108.02	4.04	-7.00	108.02	-4.04	0.000%
32	4.04	-108.02	7.00	-4.04	108.02	-7.00	0.000%
33	0.00	-108.02	8.08	-0.00	108.02	-8.08	0.000%
34	-4.05	-108.02	7.01	4.05	108.02	-7.01	0.000%
35	-6.99	-108.02	4.04	6.99	108.02	-4.04	0.000%
36	-8.08	-108.02	-0.00	8.08	108.02	0.00	0.000%
37	-7.00	-108.02	-4.04	7.00	108.02	4.04	0.000%
38	-4.04	-108.02	-7.00	4.04	108.02	7.00	0.000%
39	-0.00	-55.36	-7.72	0.00	55.36	7.72	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
40	4.08	-55.36	-7.08	-4.08	55.36	7.08	0.000%
41	6.68	-55.36	-3.85	-6.68	55.36	3.85	0.000%
42	7.75	-55.36	0.00	-7.75	55.36	-0.00	0.000%
43	6.68	-55.36	3.86	-6.68	55.36	-3.86	0.000%
44	4.08	-55.36	7.06	-4.08	55.36	-7.06	0.000%
45	0.00	-55.36	7.72	-0.00	55.36	-7.72	0.000%
46	-4.08	-55.36	7.08	4.08	55.36	-7.08	0.000%
47	-6.68	-55.36	3.85	6.68	55.36	-3.85	0.000%
48	-7.75	-55.36	-0.00	7.75	55.36	0.00	0.000%
49	-6.68	-55.36	-3.86	6.68	55.36	3.86	0.000%
50	-4.08	-55.36	-7.06	4.08	55.36	7.06	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	14	0.00000001	0.00000000
2	Yes	5	0.00000001	0.00039392
3	Yes	5	0.00000001	0.00014517
4	Yes	7	0.00000001	0.00012671
5	Yes	6	0.00000001	0.00068307
6	Yes	7	0.00000001	0.00012153
7	Yes	6	0.00000001	0.00065924
8	Yes	5	0.00000001	0.00048780
9	Yes	5	0.00000001	0.00020241
10	Yes	7	0.00000001	0.00012047
11	Yes	6	0.00000001	0.00065311
12	Yes	7	0.00000001	0.00012521
13	Yes	6	0.00000001	0.00067602
14	Yes	5	0.00000001	0.00042515
15	Yes	5	0.00000001	0.00016357
16	Yes	7	0.00000001	0.00012684
17	Yes	6	0.00000001	0.00068397
18	Yes	7	0.00000001	0.00012034
19	Yes	6	0.00000001	0.00065269
20	Yes	5	0.00000001	0.00054972
21	Yes	5	0.00000001	0.00023609
22	Yes	7	0.00000001	0.00012198
23	Yes	6	0.00000001	0.00066181
24	Yes	7	0.00000001	0.00012387
25	Yes	6	0.00000001	0.00066869
26	Yes	4	0.00000001	0.00000001
27	Yes	7	0.00000001	0.00019601
28	Yes	7	0.00000001	0.00023500
29	Yes	7	0.00000001	0.00023448
30	Yes	7	0.00000001	0.00019671
31	Yes	7	0.00000001	0.00023404
32	Yes	7	0.00000001	0.00023436
33	Yes	7	0.00000001	0.00019571
34	Yes	7	0.00000001	0.00023262
35	Yes	7	0.00000001	0.00023167
36	Yes	7	0.00000001	0.00019492
37	Yes	7	0.00000001	0.00023260
38	Yes	7	0.00000001	0.00023232
39	Yes	5	0.00000001	0.00006973
40	Yes	5	0.00000001	0.00040754

41	Yes	5	0.00000001	0.00038596
42	Yes	5	0.00000001	0.00007135
43	Yes	5	0.00000001	0.00037572
44	Yes	5	0.00000001	0.00040363
45	Yes	5	0.00000001	0.00006978
46	Yes	5	0.00000001	0.00040819
47	Yes	5	0.00000001	0.00037483
48	Yes	5	0.00000001	0.00007142
49	Yes	5	0.00000001	0.00038775
50	Yes	5	0.00000001	0.00039210

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	140 - 135	20.7634	40	1.4008	0.0002
L2	135 - 130	19.2989	40	1.3946	0.0002
L3	130 - 125	17.8479	40	1.3751	0.0002
L4	125 - 120	16.4231	40	1.3450	0.0002
L5	120 - 115	15.0343	40	1.3060	0.0002
L6	115 - 110	13.6943	40	1.2508	0.0002
L7	110 - 105	12.4218	40	1.1767	0.0003
L8	105 - 104	11.2360	40	1.0857	0.0003
L9	104 - 103.75	11.0107	40	1.0662	0.0003
L10	103.75 - 98.75	10.9550	40	1.0634	0.0003
L11	98.75 - 98.25	9.8734	40	1.0011	0.0003
L12	98.25 - 98	9.7689	40	0.9944	0.0003
L13	98 - 97	9.7169	40	0.9923	0.0003
L14	97 - 96.75	9.5100	40	0.9835	0.0003
L15	96.75 - 88.5	9.4586	40	0.9804	0.0003
L16	91.75 - 88.17	8.4661	40	0.9144	0.0003
L17	88.17 - 87.92	7.7896	40	0.8879	0.0003
L18	87.92 - 82.92	7.7432	40	0.8853	0.0003
L19	82.92 - 77.92	6.8439	40	0.8319	0.0002
L20	77.92 - 72.92	6.0020	40	0.7759	0.0002
L21	72.92 - 68.25	5.2201	40	0.7173	0.0002
L22	68.25 - 67.98	4.5461	40	0.6609	0.0002
L23	67.98 - 67.83	4.5088	40	0.6581	0.0002
L24	67.83 - 62.83	4.4881	40	0.6565	0.0002
L25	62.83 - 57.83	3.8288	40	0.6027	0.0001
L26	57.83 - 52.83	3.2264	40	0.5478	0.0001
L27	52.83 - 47.25	2.6820	40	0.4921	0.0001
L28	51.5 - 46.5	2.5470	40	0.4772	0.0001
L29	46.5 - 41.5	2.0619	40	0.4456	0.0001
L30	41.5 - 37.75	1.6241	40	0.3906	0.0001
L31	37.75 - 37.5	1.3335	40	0.3494	0.0001
L32	37.5 - 32.5	1.3153	40	0.3469	0.0001
L33	32.5 - 32.25	0.9789	40	0.2956	0.0001
L34	32.25 - 27.75	0.9635	40	0.2931	0.0001
L35	27.75 - 27.5	0.7079	40	0.2495	0.0000
L36	27.5 - 23.25	0.6949	40	0.2471	0.0000
L37	23.25 - 23	0.4934	40	0.2058	0.0000
L38	23 - 20.75	0.4826	40	0.2037	0.0000
L39	20.75 - 20.5	0.3912	40	0.1843	0.0000
L40	20.5 - 15.5	0.3816	40	0.1820	0.0000
L41	15.5 - 10.5	0.2150	40	0.1364	0.0000
L42	10.5 - 5.5	0.0961	40	0.0909	0.0000
L43	5.5 - 2	0.0247	40	0.0456	0.0000
L44	2 - 1.75	0.0029	40	0.0141	0.0000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L45	1.75 - 1.5	0.0022	40	0.0118	0.0000
L46	1.5 - 0	0.0016	40	0.0101	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
140.00	APXVSPP18-C-A20 w/ Mount Pipe	40	20.7634	1.4008	0.0002	22328
137.00	TME-1900MHz RRH (65MHz)	40	19.8839	1.3982	0.0002	22328
121.00	7770.00 w/ Mount Pipe	40	15.3086	1.3148	0.0002	6537
115.00	AIR 32 B2A/B66AA w/ Mount Pipe	40	13.6943	1.2508	0.0002	4441
104.00	LNX-6514DS-VTM w/ Mount Pipe	40	11.0107	1.0662	0.0003	3680
95.00	Pipe Mount [PM 601-3]	40	9.1038	0.9559	0.0003	4802
80.00	OG-860/1920/GPS-A	40	6.3451	0.7994	0.0002	5094

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	140 - 135	96.3296	4	6.5168	0.0010
L2	135 - 130	89.5407	4	6.4879	0.0010
L3	130 - 125	82.8139	4	6.3971	0.0010
L4	125 - 120	76.2083	4	6.2563	0.0010
L5	120 - 115	69.7693	4	6.0744	0.0010
L6	115 - 110	63.5560	4	5.8168	0.0012
L7	110 - 105	57.6544	4	5.4715	0.0013
L8	105 - 104	52.1543	4	5.0476	0.0015
L9	104 - 103.75	51.1089	4	4.9566	0.0015
L10	103.75 - 98.75	50.8503	4	4.9435	0.0015
L11	98.75 - 98.25	45.8321	4	4.6535	0.0014
L12	98.25 - 98	45.3473	4	4.6227	0.0014
L13	98 - 97	45.1060	4	4.6126	0.0014
L14	97 - 96.75	44.1460	4	4.5718	0.0013
L15	96.75 - 88.5	43.9074	4	4.5574	0.0013
L16	91.75 - 88.17	39.3015	4	4.2504	0.0012
L17	88.17 - 87.92	36.1616	4	4.1268	0.0012
L18	87.92 - 82.92	35.9462	4	4.1149	0.0012
L19	82.92 - 77.92	31.7722	4	3.8665	0.0011
L20	77.92 - 72.92	27.8640	4	3.6058	0.0011
L21	72.92 - 68.25	24.2342	4	3.3332	0.0009
L22	68.25 - 67.98	21.1050	4	3.0709	0.0008
L23	67.98 - 67.83	20.9318	4	3.0577	0.0008
L24	67.83 - 62.83	20.8360	4	3.0504	0.0008
L25	62.83 - 57.83	17.7748	4	2.8003	0.0007
L26	57.83 - 52.83	14.9780	4	2.5446	0.0006
L27	52.83 - 47.25	12.4503	4	2.2857	0.0005
L28	51.5 - 46.5	11.8235	4	2.2167	0.0005
L29	46.5 - 41.5	9.5711	4	2.0698	0.0004
L30	41.5 - 37.75	7.5384	4	1.8142	0.0004
L31	37.75 - 37.5	6.1892	4	1.6227	0.0003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L32	37.5 - 32.5	6.1046	4	1.6109	0.0003
L33	32.5 - 32.25	4.5433	4	1.3722	0.0003
L34	32.25 - 27.75	4.4717	4	1.3610	0.0003
L35	27.75 - 27.5	3.2850	4	1.1580	0.0002
L36	27.5 - 23.25	3.2247	4	1.1469	0.0002
L37	23.25 - 23	2.2894	4	0.9553	0.0002
L38	23 - 20.75	2.2396	4	0.9454	0.0002
L39	20.75 - 20.5	1.8154	4	0.8552	0.0002
L40	20.5 - 15.5	1.7709	4	0.8447	0.0002
L41	15.5 - 10.5	0.9977	4	0.6328	0.0001
L42	10.5 - 5.5	0.4459	4	0.4217	0.0001
L43	5.5 - 2	0.1147	4	0.2116	0.0000
L44	2 - 1.75	0.0132	4	0.0655	0.0000
L45	1.75 - 1.5	0.0101	4	0.0549	0.0000
L46	1.5 - 0	0.0074	4	0.0470	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
140.00	APXVSPP18-C-A20 w/ Mount Pipe	4	96.3296	6.5168	0.0010	4898
137.00	TME-1900MHz RRH (65MHz)	4	92.2523	6.5047	0.0010	4898
121.00	7770.00 w/ Mount Pipe	4	71.0413	6.1156	0.0010	1435
115.00	AIR 32 B2A/B66AA w/ Mount Pipe	4	63.5560	5.8168	0.0012	973
104.00	LNX-6514DS-VTM w/ Mount Pipe	4	51.1089	4.9566	0.0015	803
95.00	Pipe Mount [PM 601-3]	4	42.2608	4.4436	0.0013	1046
80.00	OG-860/1920/GPS-A	4	29.4567	3.7153	0.0011	1105

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	140 - 135 (1)	TP17.0151x16x0.25	5.00	0.00	0.0	13.4959	-4.24	789.51	0.005
L2	135 - 130 (2)	TP18.0303x17.0151x0.25	5.00	0.00	0.0	14.3131	-4.51	837.32	0.005
L3	130 - 125 (3)	TP19.0454x18.0303x0.25	5.00	0.00	0.0	15.1303	-4.81	885.12	0.005
L4	125 - 120 (4)	TP20.0606x19.0454x0.25	5.00	0.00	0.0	15.9475	-10.07	932.93	0.011
L5	120 - 115 (5)	TP21.0757x20.0606x0.25	5.00	0.00	0.0	16.7647	-10.61	980.74	0.011
L6	115 - 110 (6)	TP22.0909x21.0757x0.25	5.00	0.00	0.0	17.5819	-16.39	1028.54	0.016
L7	110 - 105 (7)	TP23.106x22.0909x0.25	5.00	0.00	0.0	18.3991	-17.09	1076.35	0.016
L8	105 - 104 (8)	TP23.309x23.106x0.25	1.00	0.00	0.0	18.5625	-17.24	1085.91	0.016
L9	104 - 103.75 (9)	TP23.3598x23.309x0.46	0.25	0.00	0.0	33.9192	-21.98	1984.27	0.011
L10	103.75 - 98.75 (10)	TP24.375x23.3598x0.45	5.00	0.00	0.0	34.6673	-22.99	2028.03	0.011
L11	98.75 - 98.25 (11)	TP24.4765x24.375x0.45	0.50	0.00	0.0	34.8144	-23.10	2036.64	0.011

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L12	98.25 - 98 (12)	TP24.5272x24.4765x0.72	0.25	0.00	0.0	55.1947	-23.17	3228.89	0.007
L13	98 - 97 (13)	TP24.7303x24.5272x0.715	1.00	0.00	0.0	55.2903	-23.43	3234.48	0.007
L14	97 - 96.75 (14)	TP24.781x24.7303x0.505	0.25	0.00	0.0	39.4752	-23.49	2309.30	0.010
L15	96.75 - 88.5 (15)	TP26.456x24.781x0.495	8.25	0.00	0.0	40.3275	-24.85	2359.16	0.011
L16	88.5 - 88.17 (16)	TP26.0231x25.2962x0.5575	3.58	0.00	0.0	45.7145	-26.22	2674.30	0.010
L17	88.17 - 87.92 (17)	TP26.0738x26.0231x0.7525	0.25	0.00	0.0	61.3549	-26.30	3589.26	0.007
L18	87.92 - 82.92 (18)	TP27.0891x26.0738x0.7375	5.00	0.00	0.0	62.5785	-27.92	3660.84	0.008
L19	82.92 - 77.92 (19)	TP28.1044x27.0891x0.7225	5.00	0.00	0.0	63.7026	-29.72	3726.60	0.008
L20	77.92 - 72.92 (20)	TP29.1196x28.1044x0.7025	5.00	0.00	0.0	64.2810	-31.41	3760.44	0.008
L21	72.92 - 68.25 (21)	TP30.0679x29.1196x0.6875	4.67	0.00	0.0	65.0408	-33.02	3804.89	0.009
L22	68.25 - 67.98 (22)	TP30.1227x30.0679x0.8025	0.27	0.00	0.0	75.7649	-33.14	4432.25	0.007
L23	67.98 - 67.83 (23)	TP30.1532x30.1227x0.8025	0.15	0.00	0.0	75.8436	-33.20	4436.85	0.007
L24	67.83 - 62.83 (24)	TP31.1684x30.1532x0.7825	5.00	0.00	0.0	76.5619	-35.09	4478.87	0.008
L25	62.83 - 57.83 (25)	TP32.1837x31.1684x0.7625	5.00	0.00	0.0	77.1469	-37.03	4513.09	0.008
L26	57.83 - 52.83 (26)	TP33.199x32.1837x0.7475	5.00	0.00	0.0	78.1091	-38.99	4569.38	0.009
L27	52.83 - 47.25 (27)	TP34.332x33.199x0.7425	5.58	0.00	0.0	78.2442	-39.52	4577.29	0.009
L28	47.25 - 46.5 (28)	TP33.8592x32.844x0.8	5.00	0.00	0.0	85.1604	-42.93	4981.88	0.009
L29	46.5 - 41.5 (29)	TP34.8743x33.8592x0.785	5.00	0.00	0.0	86.1676	-45.08	5040.80	0.009
L30	41.5 - 37.75 (30)	TP35.6357x34.8743x0.775	3.75	0.00	0.0	86.9948	-46.71	5089.20	0.009
L31	37.75 - 37.5 (31)	TP35.6864x35.6357x0.835	0.25	0.00	0.0	93.7050	-46.84	5481.74	0.009
L32	37.5 - 32.5 (32)	TP36.7016x35.6864x0.82	5.00	0.00	0.0	94.7417	-49.14	5542.39	0.009
L33	32.5 - 32.25 (33)	TP36.7523x36.7016x0.87	0.25	0.00	0.0	100.5210	-49.27	5880.46	0.008
L34	32.25 - 27.75 (34)	TP37.666x36.7523x0.855	4.50	0.00	0.0	101.3440	-51.47	5928.64	0.009
L35	27.75 - 27.5 (35)	TP37.7167x37.666x0.855	0.25	0.00	0.0	101.4840	-51.61	5936.81	0.009
L36	27.5 - 23.25 (36)	TP38.5796x37.7167x0.84	4.25	0.00	0.0	102.0780	-53.72	5971.56	0.009
L37	23.25 - 23 (37)	TP38.6303x38.5796x0.95	0.25	0.00	0.0	115.2640	-53.87	6742.95	0.008
L38	23 - 20.75 (38)	TP39.0872x38.6303x0.94	2.25	0.00	0.0	115.4640	-55.14	6754.63	0.008
L39	20.75 - 20.5 (39)	TP39.1379x39.0872x0.885	0.25	0.00	0.0	109.0090	-55.28	6377.05	0.009
L40	20.5 - 15.5 (40)	TP40.1531x39.1379x0.87	5.00	0.00	0.0	110.0480	-57.93	6437.78	0.009
L41	15.5 - 10.5 (41)	TP41.1682x40.1531x0.855	5.00	0.00	0.0	110.9860	-60.62	6492.70	0.009
L42	10.5 - 5.5 (42)	TP42.1833x41.1682x0.84	5.00	0.00	0.0	111.8250	-63.33	6541.79	0.010
L43	5.5 - 2 (43)	TP42.8939x42.1833x0.83	3.50	0.00	0.0	112.4200	-65.25	6576.58	0.010
L44	2 - 1.75 (44)	TP42.9447x42.8939x0.81	0.25	0.00	0.0	109.896	-65.39	6428.90	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L45	1.75 - 1.5 (45)	TP42.9955x42.9447x1.11	0.25	0.00	0.0	0 149.707	-65.54	8757.86	0.007
L46	1.5 - 0 (46)	TP43.3x42.9955x1.1	1.50	0.00	0.0	0 149.472	-66.42	8744.14	0.008
						0			

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	140 - 135 (1)	TP17.0151x16x0.25	20.67	337.43	0.061	0.00	337.43	0.000
L2	135 - 130 (2)	TP18.0303x17.0151x0.25	47.96	379.85	0.126	0.00	379.85	0.000
L3	130 - 125 (3)	TP19.0454x18.0303x0.25	77.33	424.78	0.182	0.00	424.78	0.000
L4	125 - 120 (4)	TP20.0606x19.0454x0.25	122.62	472.22	0.260	0.00	472.22	0.000
L5	120 - 115 (5)	TP21.0757x20.0606x0.25	191.61	519.85	0.369	0.00	519.85	0.000
L6	115 - 110 (6)	TP22.0909x21.0757x0.25	292.50	563.75	0.519	0.00	563.75	0.000
L7	110 - 105 (7)	TP23.106x22.0909x0.25	393.02	608.56	0.646	0.00	608.56	0.000
L8	105 - 104 (8)	TP23.309x23.106x0.25	413.39	617.62	0.669	0.00	617.62	0.000
L9	104 - 103.75 (9)	TP23.3598x23.309x0.46	420.33	1152.50	0.365	0.00	1152.50	0.000
L10	103.75 - 98.75 (10)	TP24.375x23.3598x0.45	550.21	1232.19	0.447	0.00	1232.19	0.000
L11	98.75 - 98.25 (11)	TP24.4765x24.375x0.45	563.36	1242.77	0.453	0.00	1242.77	0.000
L12	98.25 - 98 (12)	TP24.5272x24.4765x0.72	569.95	1930.49	0.295	0.00	1930.49	0.000
L13	98 - 97 (13)	TP24.7303x24.5272x0.715	596.42	1951.63	0.306	0.00	1951.63	0.000
L14	97 - 96.75 (14)	TP24.781x24.7303x0.505	603.06	1420.89	0.424	0.00	1420.89	0.000
L15	96.75 - 88.5 (15)	TP26.456x24.781x0.495	738.04	1514.71	0.487	0.00	1514.71	0.000
L16	88.5 - 88.17 (16)	TP26.0231x25.2962x0.5575	836.91	1724.27	0.485	0.00	1724.27	0.000
L17	88.17 - 87.92 (17)	TP26.0738x26.0231x0.7525	843.88	2283.59	0.370	0.00	2283.59	0.000
L18	87.92 - 82.92 (18)	TP27.0891x26.0738x0.7375	984.99	2427.98	0.406	0.00	2427.98	0.000
L19	82.92 - 77.92 (19)	TP28.1044x27.0891x0.7225	1129.68	2572.23	0.439	0.00	2572.23	0.000
L20	77.92 - 72.92 (20)	TP29.1196x28.1044x0.7025	1277.72	2698.10	0.474	0.00	2698.10	0.000
L21	72.92 - 68.25 (21)	TP30.0679x29.1196x0.6875	1418.80	2826.18	0.502	0.00	2826.18	0.000
L22	68.25 - 67.98 (22)	TP30.1227x30.0679x0.8025	1427.04	3272.72	0.436	0.00	3272.72	0.000
L23	67.98 - 67.83 (23)	TP30.1532x30.1227x0.8025	1431.63	3279.62	0.437	0.00	3279.62	0.000
L24	67.83 - 62.83 (24)	TP31.1684x30.1532x0.7825	1586.01	3432.77	0.462	0.00	3432.77	0.000
L25	62.83 - 57.83 (25)	TP32.1837x31.1684x0.7625	1743.58	3582.03	0.487	0.00	3582.03	0.000
L26	57.83 - 52.83 (26)	TP33.199x32.1837x0.7475	1904.22	3750.13	0.508	0.00	3750.13	0.000
L27	52.83 - 47.25 (27)	TP34.332x33.199x0.7425	1947.47	3789.75	0.514	0.00	3789.75	0.000
L28	47.25 - 46.5 (28)	TP33.8592x32.844x0.8	2112.30	4160.51	0.508	0.00	4160.51	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 $\frac{M_{uy}}{\phi M_{ny}}$
L29	46.5 - 41.5 (29)	TP34.8743x33.8592x0.785	2280.28	4345.86	0.525	0.00	4345.86	0.000
L30	41.5 - 37.75 (30)	TP35.6357x34.8743x0.775	2408.10	4490.36	0.536	0.00	4490.36	0.000
L31	37.75 - 37.5 (31)	TP35.6864x35.6357x0.835	2416.68	4827.27	0.501	0.00	4827.27	0.000
L32	37.5 - 32.5 (32)	TP36.7016x35.6864x0.82	2589.64	5030.38	0.515	0.00	5030.38	0.000
L33	32.5 - 32.25 (33)	TP36.7523x36.7016x0.87	2598.37	5330.07	0.487	0.00	5330.07	0.000
L34	32.25 - 27.75 (34)	TP37.666x36.7523x0.855	2756.46	5518.30	0.500	0.00	5518.30	0.000
L35	27.75 - 27.5 (35)	TP37.7167x37.666x0.855	2765.30	5533.71	0.500	0.00	5533.71	0.000
L36	27.5 - 23.25 (36)	TP38.5796x37.7167x0.84	2916.63	5703.88	0.511	0.00	5703.88	0.000
L37	23.25 - 23 (37)	TP38.6303x38.5796x0.95	2925.60	6412.05	0.456	0.00	6412.05	0.000
L38	23 - 20.75 (38)	TP39.0872x38.6303x0.94	3006.51	6506.35	0.462	0.00	6506.35	0.000
L39	20.75 - 20.5 (39)	TP39.1379x39.0872x0.885	3015.53	6168.74	0.489	0.00	6168.74	0.000
L40	20.5 - 15.5 (40)	TP40.1531x39.1379x0.87	3197.08	6401.38	0.499	0.00	6401.38	0.000
L41	15.5 - 10.5 (41)	TP41.1682x40.1531x0.855	3380.62	6631.37	0.510	0.00	6631.37	0.000
L42	10.5 - 5.5 (42)	TP42.1833x41.1682x0.84	3565.95	6858.23	0.520	0.00	6858.23	0.000
L43	5.5 - 2 (43)	TP42.8939x42.1833x0.83	3696.75	7018.90	0.527	0.00	7018.90	0.000
L44	2 - 1.75 (44)	TP42.9447x42.8939x0.81	3706.13	6876.26	0.539	0.00	6876.26	0.000
L45	1.75 - 1.5 (45)	TP42.9955x42.9447x1.11	3715.50	9245.83	0.402	0.00	9245.83	0.000
L46	1.5 - 0 (46)	TP43.3x42.9955x1.1	3771.89	9304.67	0.405	0.00	9304.67	0.000

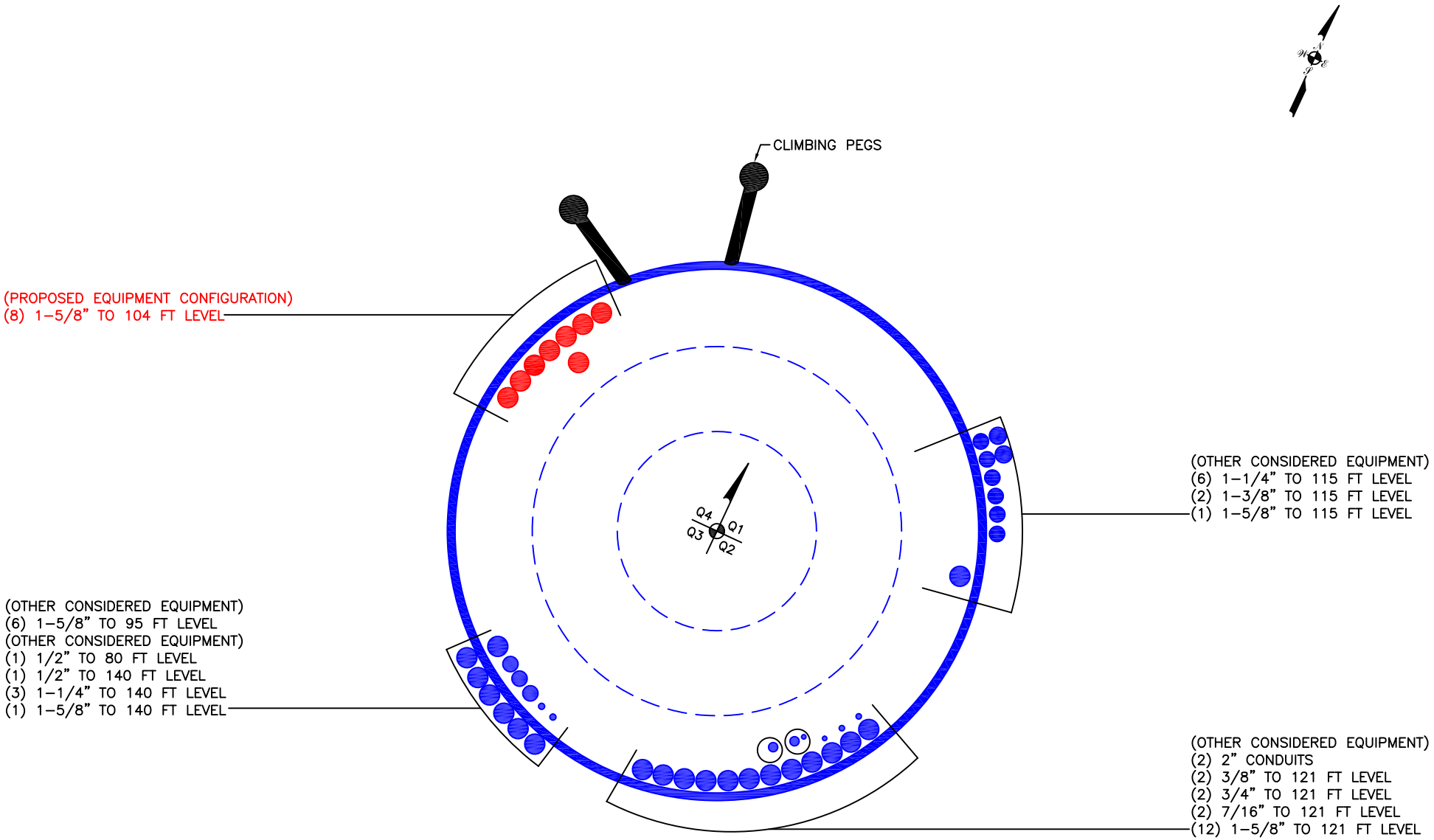
Pole Shear Design Data

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	140 - 135 (1)	TP17.0151x16x0.25	5.26	236.85	0.022	0.00	349.29	0.000
L2	135 - 130 (2)	TP18.0303x17.0151x0.25	5.66	251.20	0.023	0.00	392.87	0.000
L3	130 - 125 (3)	TP19.0454x18.0303x0.25	6.09	265.54	0.023	0.00	439.01	0.000
L4	125 - 120 (4)	TP20.0606x19.0454x0.25	13.58	279.88	0.049	0.12	487.72	0.000
L5	120 - 115 (5)	TP21.0757x20.0606x0.25	14.02	294.22	0.048	0.12	538.98	0.000
L6	115 - 110 (6)	TP22.0909x21.0757x0.25	19.90	308.56	0.064	0.12	592.81	0.000
L7	110 - 105 (7)	TP23.106x22.0909x0.25	20.34	322.90	0.063	0.12	649.19	0.000
L8	105 - 104 (8)	TP23.309x23.106x0.25	20.44	325.77	0.063	0.12	660.78	0.000
L9	104 - 103.75 (9)	TP23.3598x23.309x0.46	25.68	595.28	0.043	0.12	1199.10	0.000
L10	103.75 - 98.75 (10)	TP24.375x23.3598x0.45	26.27	608.41	0.043	0.06	1280.41	0.000
L11	98.75 - 98.25 (11)	TP24.4765x24.375x0.45	26.34	610.99	0.043	0.07	1291.29	0.000
L12	98.25 - 98 (12)	TP24.5272x24.4765x0.72	26.38	968.67	0.027	0.07	2028.53	0.000
L13	98 - 97 (13)	TP24.7303x24.5272x0.715	26.55	970.35	0.027	0.08	2049.81	0.000
L14	97 - 96.75 (14)	TP24.781x24.7303x0.505	26.59	692.79	0.038	0.08	1479.38	0.000
L15	96.75 - 88.5 (15)	TP26.456x24.781x0.495	27.36	707.75	0.039	0.08	1575.14	0.000
L16	88.5 - 88.17 (16)	TP26.0231x25.2962x0.5575	27.87	802.29	0.035	0.08	1797.15	0.000
L17	88.17 - 87.92 (17)	TP26.0738x26.0231x0.7525	27.90	1076.78	0.026	0.08	2398.35	0.000
L18	87.92 - 82.92 (18)	TP27.0891x26.0738x0.7375	28.56	1098.25	0.026	0.08	2545.71	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 $\frac{T_u}{\phi T_n}$
L19	82.92 - 77.92 (19)	TP28.1044x27.0891x0.7225	29.31	1117.98	0.026	0.10	2692.76	0.000
L20	77.92 - 72.92 (20)	TP29.1196x28.1044x0.7025	29.93	1128.13	0.027	0.10	2819.94	0.000
L21	72.92 - 68.25 (21)	TP30.0679x29.1196x0.6875	30.52	1141.47	0.027	0.10	2949.99	0.000
L22	68.25 - 67.98 (22)	TP30.1227x30.0679x0.8025	30.54	1329.67	0.023	0.10	3429.35	0.000
L23	67.98 - 67.83 (23)	TP30.1532x30.1227x0.8025	30.56	1331.06	0.023	0.10	3436.48	0.000
L24	67.83 - 62.83 (24)	TP31.1684x30.1532x0.7825	31.21	1343.66	0.023	0.10	3591.39	0.000
L25	62.83 - 57.83 (25)	TP32.1837x31.1684x0.7625	31.84	1353.93	0.024	0.10	3742.13	0.000
L26	57.83 - 52.83 (26)	TP33.199x32.1837x0.7475	32.45	1370.81	0.024	0.10	3913.03	0.000
L27	52.83 - 47.25 (27)	TP34.332x33.199x0.7425	32.61	1373.19	0.024	0.10	3953.03	0.000
L28	47.25 - 46.5 (28)	TP33.8592x32.844x0.8	33.33	1494.57	0.022	0.10	4346.17	0.000
L29	46.5 - 41.5 (29)	TP34.8743x33.8592x0.785	33.90	1512.24	0.022	0.10	4534.60	0.000
L30	41.5 - 37.75 (30)	TP35.6357x34.8743x0.775	34.32	1526.76	0.022	0.10	4681.73	0.000
L31	37.75 - 37.5 (31)	TP35.6864x35.6357x0.835	34.32	1644.52	0.021	0.10	5041.51	0.000
L32	37.5 - 32.5 (32)	TP36.7016x35.6864x0.82	34.88	1662.72	0.021	0.10	5247.95	0.000
L33	32.5 - 32.25 (33)	TP36.7523x36.7016x0.87	34.89	1764.14	0.020	0.10	5568.18	0.000
L34	32.25 - 27.75 (34)	TP37.666x36.7523x0.855	35.39	1778.59	0.020	0.10	5759.08	0.000
L35	27.75 - 27.5 (35)	TP37.7167x37.666x0.855	35.40	1781.04	0.020	0.10	5774.97	0.000
L36	27.5 - 23.25 (36)	TP38.5796x37.7167x0.84	35.84	1791.47	0.020	0.10	5947.12	0.000
L37	23.25 - 23 (37)	TP38.6303x38.5796x0.95	35.85	2022.89	0.018	0.10	6704.81	0.000
L38	23 - 20.75 (38)	TP39.0872x38.6303x0.94	36.09	2026.39	0.018	0.10	6799.62	0.000
L39	20.75 - 20.5 (39)	TP39.1379x39.0872x0.885	36.10	1913.11	0.019	0.10	6437.32	0.000
L40	20.5 - 15.5 (40)	TP40.1531x39.1379x0.87	36.54	1931.33	0.019	0.10	6673.64	0.000
L41	15.5 - 10.5 (41)	TP41.1682x40.1531x0.855	36.91	1947.81	0.019	0.10	6907.07	0.000
L42	10.5 - 5.5 (42)	TP42.1833x41.1682x0.84	37.27	1962.54	0.019	0.10	7137.12	0.000
L43	5.5 - 2 (43)	TP42.8939x42.1833x0.83	37.52	1972.97	0.019	0.10	7300.13	0.000
L44	2 - 1.75 (44)	TP42.9447x42.8939x0.81	37.51	1928.67	0.019	0.10	7148.22	0.000
L45	1.75 - 1.5 (45)	TP42.9955x42.9447x1.11	37.53	2627.36	0.014	0.10	9680.17	0.000
L46	1.5 - 0 (46)	TP43.3x42.9955x1.1	37.68	2623.24	0.014	0.10	9737.58	0.000

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1–5/8" TO 104 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1–1/4" TO 115 FT LEVEL
(2) 1–3/8" TO 115 FT LEVEL
(1) 1–5/8" TO 115 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1–5/8" TO 95 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 80 FT LEVEL
(1) 1/2" TO 140 FT LEVEL
(3) 1–1/4" TO 140 FT LEVEL
(1) 1–5/8" TO 140 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 2" CONDUITS
(2) 3/8" TO 121 FT LEVEL
(2) 3/4" TO 121 FT LEVEL
(2) 7/16" TO 121 FT LEVEL
(12) 1–5/8" TO 121 FT LEVEL
Q4
Q1
Q3
Q2

APPENDIX C

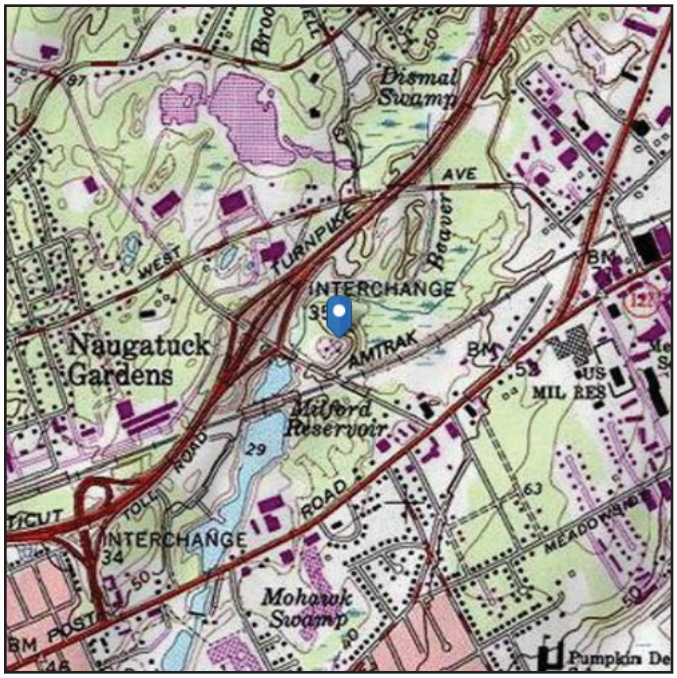
ADDITIONAL CALCULATIONS

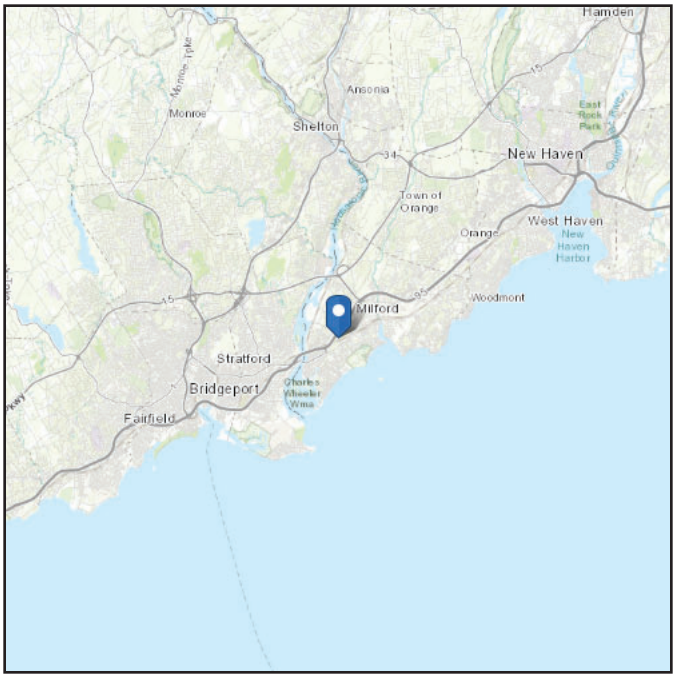
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 40.17 ft (NAVD 88)
Latitude: 41.212794
Longitude: -73.085306





Wind

Results:

Wind Speed:	124 Vmph
10-year MRI	77 Vmph
25-year MRI	87 Vmph
50-year MRI	94 Vmph
100-year MRI	100 Vmph

125mph required per jurisdiction

Data Accessed: Tue May 11 2021

Date 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

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.

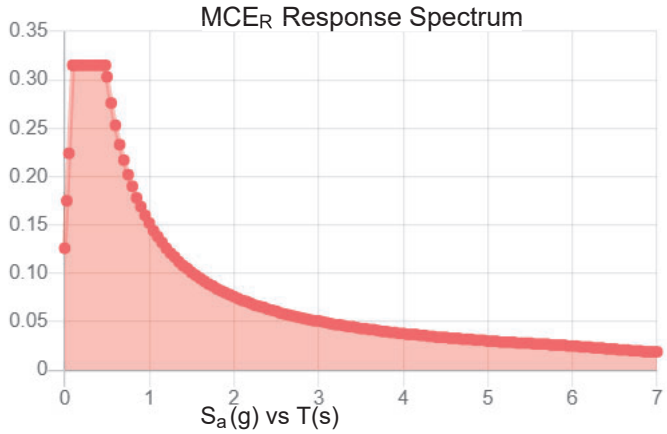
Seismic

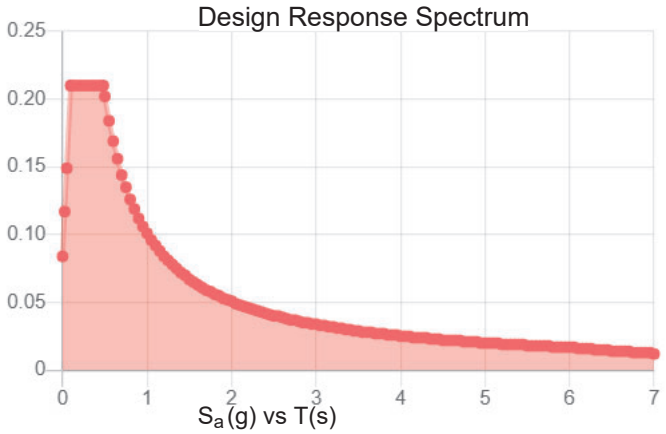
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.197	S_{DS} :	0.21
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.105
S_{MS} :	0.315	PGA_M :	0.167
S_{M1} :	0.152	F_{PGA} :	1.59
		I_e :	1

Seismic Design Category B





Data Accessed: Tue May 11 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:	Tue May 11 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: 876342

Work Order: 1961784

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	140	51.5	3.25	12	16	26.456	0.25	Auto	A607-65
2	91.75	44.5	4.25	12	25.30	34.332	0.3125	Auto	A607-65
3	51.5	51.5	0	12	32.84	43.3	0.375	Auto	A607-65

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
1	0	1.75	plate	(TS) 1.25x11.50 (65ksi)	2					c			c				
2	0	1.75	plate	(TS) 1.25x9.875 (65ksi)	2		c									c	
3	0	1.75	plate	(TS) 1.25x7.75 (65ksi)	4			c			c	c			c		
4	1.75	27.75	channel	MP3-08 (1.25in)	2			x								x	
5	1.75	23.25	channel	MP3-06 (1.25in)	2						x		x				
6	20.75	27.75	channel	MP3-08 (1.25in)	1							x					
7	27.75	37.75	channel	MP3-08 (1.25in)	3			x				x				x	
8	37.75	68.25	channel	MP3-06 (1.25in)	3			x				x				x	
9	68.25	98.25	channel	MP3-05 (1.25in)	3			x				x				x	
10	0	2	plate	(TS) 1.25x7.75 (65ksi)	3					x				x			x
11	2	32.5	plate	CCI-WCFP-065125	3					x				x			x
12	32.5	68.08	plate	CCI-AFP-060100	3					x				x			x
13	68.08	88.17	plate	CCI-AFP-060100	3					x				x			x
14	97	104	plate	CCI-SFP-045100	3	x				x				x			
15																	

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	1.25	7.125	8.90625	4.3125	Welded	n/a	Welded	n/a	0.750	8.906	0.0000	A572-65
2	1.25	6.125	7.65625	3.8125	Welded	n/a	Welded	n/a	0.750	7.656	0.0000	A572-65
3	1.25	4.625	5.78125	3.0625	Welded	n/a	Welded	n/a	0.750	5.781	0.0000	A572-65
4	7.93	2.8	10.32	0.95	PC 8.8 - M20 (100)	47	PC 8.8 - M20 (100)	47.000	24.000	9.323	1.2500	A572-65
5	6.89	2.61	8.47	0.93	PC 8.8 - M20 (100)	41	PC 8.8 - M20 (100)	41.000	24.000	7.630	1.2500	A572-65
6	7.93	2.8	10.32	0.95	PC 8.8 - M20 (100)	47	PC 8.8 - M20 (100)	47.000	24.000	9.323	1.2500	A572-65
7	7.93	2.8	10.32	0.95	PC 8.8 - M20 (100)	47	PC 8.8 - M20 (100)	47.000	24.000	9.323	1.2500	A572-65
8	6.89	2.61	8.47	0.93	PC 8.8 - M20 (100)	41	PC 8.8 - M20 (100)	41.000	24.000	7.630	1.2500	A572-65
9	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
10	1.25	4.625	5.78125	3.0625	Welded	n/a	Welded	n/a	0.750	5.781	0.0000	A572-65
11	6.5	1.25	8.125	0.625	Welded	n/a	PC 8.8 - M20 (100)	36.000	19.000	6.563	1.1875	A572-65
12	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
13	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
14	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	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)
CCI-WCFP-065125	Top	12	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	None	-	-	-	-	42	0.375	-
(TS) 1.25x7.75 (65ksi)	Top	-	-	-	-	70	None	-	-	-	-	60	0.313	-
	Bottom	-	-	-	-	70	PJP Groove	14	0.5	45	0.5	-	-	-
(TS) 1.25x9.875 (65ksi)	Top	-	-	-	-	70	None	-	-	-	-	60	0.313	-
	Bottom	-	-	-	-	70	PJP Groove	18.25	0.5	45	0.5	-	-	-
(TS) 1.25x11.50 (65ksi)	Top	-	-	-	-	70	None	-	-	-	-	60	0.313	-
	Bottom	-	-	-	-	70	PJP Groove	21.5	0.5	45	0.5	-	-	-

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	140 - 135	5		12	16.000	17.015	0.25	A607-65	1.000
2	135 - 130	5		12	17.015	18.030	0.25	A607-65	1.000
3	130 - 125	5		12	18.030	19.045	0.25	A607-65	1.000
4	125 - 120	5		12	19.045	20.061	0.25	A607-65	1.000
5	120 - 115	5		12	20.061	21.076	0.25	A607-65	1.000
6	115 - 110	5		12	21.076	22.091	0.25	A607-65	1.000
7	110 - 105	5		12	22.091	23.106	0.25	A607-65	1.000
8	105 - 104	1		12	23.106	23.309	0.25	A607-65	1.000
9	104 - 103.75	0.25		12	23.309	23.360	0.46	A607-65	0.947
10	103.75 - 98.75	5		12	23.360	24.375	0.45	A607-65	0.950
11	98.75 - 98.25	0.5		12	24.375	24.476	0.45	A607-65	0.949
12	98.25 - 98	0.25		12	24.476	24.527	0.72	A607-65	0.907
13	98 - 97	1		12	24.527	24.730	0.715	A607-65	0.908
14	97 - 96.75	0.25		12	24.730	24.781	0.505	A607-65	0.930
15	96.75 - 91.75	8.25	3.25	12	24.781	26.456	0.495	A607-65	0.931
16	91.75 - 88.17	3.58		12	25.296	26.023	0.5575	A607-65	0.937
17	88.17 - 87.92	0.25		12	26.023	26.074	0.7525	A607-65	0.993
18	87.92 - 82.92	5		12	26.074	27.089	0.7375	A607-65	0.990
19	82.92 - 77.92	5		12	27.089	28.104	0.7225	A607-65	0.988
20	77.92 - 72.92	5		12	28.104	29.120	0.7025	A607-65	0.995
21	72.92 - 68.25	4.67		12	29.120	30.068	0.6875	A607-65	0.998
22	68.25 - 67.98	0.27		12	30.068	30.123	0.8025	A607-65	0.970
23	67.98 - 67.83	0.15		12	30.123	30.153	0.8025	A607-65	0.969
24	67.83 - 62.83	5		12	30.153	31.168	0.7825	A607-65	0.973
25	62.83 - 57.83	5		12	31.168	32.184	0.7625	A607-65	0.979
26	57.83 - 52.83	5		12	32.184	33.199	0.7475	A607-65	0.980
27	52.83 - 51.5	5.58	4.25	12	33.199	34.332	0.7425	A607-65	0.982
28	51.5 - 46.5	5		12	32.844	33.859	0.8	A607-65	0.985
29	46.5 - 41.5	5		12	33.859	34.874	0.785	A607-65	0.988
30	41.5 - 37.75	3.75		12	34.874	35.636	0.775	A607-65	0.989
31	37.75 - 37.5	0.25		12	35.636	35.686	0.835	A607-65	0.978
32	37.5 - 32.5	5		12	35.686	36.702	0.82	A607-65	0.981
33	32.5 - 32.25	0.25		12	36.702	36.752	0.87	A607-65	0.988
34	32.25 - 27.75	4.5		12	36.752	37.666	0.855	A607-65	0.991
35	27.75 - 27.5	0.25		12	37.666	37.717	0.855	A607-65	0.990
36	27.5 - 23.25	4.25		12	37.717	38.580	0.84	A607-65	0.995
37	23.25 - 23	0.25		12	38.580	38.630	0.95	A607-65	1.029
38	23 - 20.75	2.25		12	38.630	39.087	0.94	A607-65	1.032
39	20.75 - 20.5	0.25		12	39.087	39.138	0.885	A607-65	0.999
40	20.5 - 15.5	5		12	39.138	40.153	0.87	A607-65	1.000
41	15.5 - 10.5	5		12	40.153	41.168	0.855	A607-65	1.003
42	10.5 - 5.5	5		12	41.168	42.183	0.84	A607-65	1.006
43	5.5 - 2	3.5		12	42.183	42.894	0.83	A607-65	1.009
44	2 - 1.75	0.25		12	42.894	42.945	0.81	A607-65	0.968
45	1.75 - 1.5	0.25		12	42.945	42.995	1.11	A607-65	0.836
46	1.5 - 0	1.5		12	42.995	43.300	1.1	A607-65	0.840

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	140 - 135	4.24	20.67	5.26
2	135 - 130	4.51	47.96	5.66
3	130 - 125	4.81	77.33	6.09
4	125 - 120	10.07	122.62	13.58
5	120 - 115	10.61	191.61	14.02
6	115 - 110	16.39	292.50	19.90
7	110 - 105	17.09	393.02	20.34
8	105 - 104	17.24	413.39	20.44
9	104 - 103.75	21.98	420.33	25.68
10	103.75 - 98.75	22.99	550.21	26.27
11	98.75 - 98.25	23.10	563.36	26.34
12	98.25 - 98	23.17	569.95	26.38
13	98 - 97	23.43	596.42	26.55
14	97 - 96.75	23.49	603.06	26.59
15	96.75 - 91.75	24.85	738.04	27.36
16	91.75 - 88.17	26.22	836.91	27.87
17	88.17 - 87.92	26.30	843.88	27.90
18	87.92 - 82.92	27.92	984.99	28.56
19	82.92 - 77.92	29.72	1129.68	29.31
20	77.92 - 72.92	31.41	1277.73	29.93
21	72.92 - 68.25	33.02	1418.80	30.52
22	68.25 - 67.98	33.14	1427.04	30.54
23	67.98 - 67.83	33.20	1431.62	30.56
24	67.83 - 62.83	35.09	1586.01	31.21
25	62.83 - 57.83	37.03	1743.57	31.84
26	57.83 - 52.83	38.99	1904.23	32.45
27	52.83 - 51.5	39.52	1947.47	32.61
28	51.5 - 46.5	42.93	2112.30	33.33
29	46.5 - 41.5	45.08	2280.28	33.90
30	41.5 - 37.75	46.71	2408.10	34.32
31	37.75 - 37.5	46.84	2416.68	34.32
32	37.5 - 32.5	49.14	2589.64	34.88
33	32.5 - 32.25	49.27	2598.36	34.89
34	32.25 - 27.75	51.47	2756.45	35.39
35	27.75 - 27.5	51.61	2765.30	35.40
36	27.5 - 23.25	53.72	2916.64	35.84
37	23.25 - 23	53.87	2925.60	35.85
38	23 - 20.75	55.14	3006.51	36.09
39	20.75 - 20.5	55.28	3015.53	36.10
40	20.5 - 15.5	57.93	3197.08	36.54
41	15.5 - 10.5	60.62	3380.61	36.91
42	10.5 - 5.5	63.33	3565.95	37.27
43	5.5 - 2	65.25	3696.75	37.52
44	2 - 1.75	65.39	3706.12	37.51
45	1.75 - 1.5	65.54	3715.50	37.53
46	1.5 - 0	66.42	3771.90	37.68

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
140 - 135	Pole	TP17.015x16x0.25	Pole	6.4%	Pass
135 - 130	Pole	TP18.03x17.015x0.25	Pole	12.6%	Pass
130 - 125	Pole	TP19.045x18.03x0.25	Pole	17.9%	Pass
125 - 120	Pole	TP20.061x19.045x0.25	Pole	25.9%	Pass
120 - 115	Pole	TP21.076x20.061x0.25	Pole	36.2%	Pass
115 - 110	Pole	TP22.091x21.076x0.25	Pole	51.2%	Pass
110 - 105	Pole	TP23.106x22.091x0.25	Pole	63.2%	Pass
105 - 104	Pole	TP23.309x23.106x0.25	Pole	65.5%	Pass
104 - 103.75	Pole + Reinf.	TP23.36x23.309x0.46	Reinf. 14 Tension Rupture	60.5%	Pass
103.75 - 98.75	Pole + Reinf.	TP24.375x23.36x0.45	Reinf. 14 Tension Rupture	73.8%	Pass
98.75 - 98.25	Pole + Reinf.	TP24.476x24.375x0.45	Reinf. 14 Tension Rupture	75.0%	Pass
98.25 - 98	Pole + Reinf.	TP24.527x24.476x0.72	Reinf. 14 Tension Rupture	48.4%	Pass
98 - 97	Pole + Reinf.	TP24.73x24.527x0.715	Reinf. 14 Tension Rupture	50.0%	Pass
97 - 96.75	Pole + Reinf.	TP24.781x24.73x0.505	Reinf. 9 Tension Rupture	60.0%	Pass
96.75 - 91.75	Pole + Reinf.	TP26.456x24.781x0.495	Reinf. 9 Tension Rupture	68.9%	Pass
91.75 - 88.17	Pole + Reinf.	TP26.023x25.296x0.5575	Reinf. 9 Tension Rupture	68.4%	Pass
88.17 - 87.92	Pole + Reinf.	TP26.074x26.023x0.7525	Reinf. 9 Tension Rupture	53.4%	Pass
87.92 - 82.92	Pole + Reinf.	TP27.089x26.074x0.7375	Reinf. 9 Tension Rupture	58.9%	Pass
82.92 - 77.92	Pole + Reinf.	TP28.104x27.089x0.7225	Reinf. 9 Tension Rupture	64.0%	Pass
77.92 - 72.92	Pole + Reinf.	TP29.12x28.104x0.7025	Reinf. 9 Tension Rupture	68.7%	Pass
72.92 - 68.25	Pole + Reinf.	TP30.068x29.12x0.6875	Reinf. 9 Tension Rupture	72.7%	Pass
68.25 - 67.98	Pole + Reinf.	TP30.123x30.068x0.8025	Reinf. 8 Tension Rupture	61.7%	Pass
67.98 - 67.83	Pole + Reinf.	TP30.153x30.123x0.8025	Reinf. 8 Tension Rupture	61.8%	Pass
67.83 - 62.83	Pole + Reinf.	TP31.168x30.153x0.7825	Reinf. 12 Tension Rupture	65.4%	Pass
62.83 - 57.83	Pole + Reinf.	TP32.184x31.168x0.7625	Reinf. 12 Tension Rupture	68.8%	Pass
57.83 - 52.83	Pole + Reinf.	TP33.199x32.184x0.7475	Reinf. 12 Tension Rupture	71.9%	Pass
52.83 - 51.5	Pole + Reinf.	TP34.332x33.199x0.7425	Reinf. 12 Tension Rupture	72.7%	Pass
51.5 - 46.5	Pole + Reinf.	TP33.859x32.844x0.8	Reinf. 12 Tension Rupture	71.7%	Pass
46.5 - 41.5	Pole + Reinf.	TP34.874x33.859x0.785	Reinf. 12 Tension Rupture	74.2%	Pass
41.5 - 37.75	Pole + Reinf.	TP35.636x34.874x0.775	Reinf. 12 Tension Rupture	75.9%	Pass
37.75 - 37.5	Pole + Reinf.	TP35.686x35.636x0.835	Reinf. 12 Tension Rupture	70.9%	Pass
37.5 - 32.5	Pole + Reinf.	TP36.702x35.686x0.82	Reinf. 12 Tension Rupture	73.0%	Pass
32.5 - 32.25	Pole + Reinf.	TP36.752x36.702x0.87	Reinf. 7 Tension Rupture	67.9%	Pass
32.25 - 27.75	Pole + Reinf.	TP37.666x36.752x0.855	Reinf. 7 Tension Rupture	69.5%	Pass
27.75 - 27.5	Pole + Reinf.	TP37.717x37.666x0.855	Reinf. 4 Tension Rupture	69.6%	Pass
27.5 - 23.25	Pole + Reinf.	TP38.58x37.717x0.84	Reinf. 4 Tension Rupture	71.0%	Pass
23.25 - 23	Pole + Reinf.	TP38.63x38.58x0.95	Reinf. 4 Tension Rupture	66.8%	Pass
23 - 20.75	Pole + Reinf.	TP39.087x38.63x0.94	Reinf. 4 Tension Rupture	67.5%	Pass
20.75 - 20.5	Pole + Reinf.	TP39.138x39.087x0.885	Reinf. 4 Tension Rupture	68.5%	Pass
20.5 - 15.5	Pole + Reinf.	TP40.153x39.138x0.87	Reinf. 4 Tension Rupture	70.0%	Pass
15.5 - 10.5	Pole + Reinf.	TP41.168x40.153x0.855	Reinf. 4 Tension Rupture	71.3%	Pass
10.5 - 5.5	Pole + Reinf.	TP42.183x41.168x0.84	Reinf. 4 Tension Rupture	72.6%	Pass
5.5 - 2	Pole + Reinf.	TP42.894x42.183x0.83	Reinf. 4 Tension Rupture	73.4%	Pass
2 - 1.75	Pole + Reinf.	TP42.945x42.894x0.81	Reinf. 4 Tension Rupture	74.8%	Pass
1.75 - 1.5	Pole + Reinf.	TP42.995x42.945x1.11	Reinf. 2 Compression	60.7%	Pass
1.5 - 0	Pole + Reinf.	TP43.3x42.995x1.1	Reinf. 2 Weldment	71.9%	Pass
				Summary	
			Pole	65.5%	Pass
			Reinforcement	75.9%	Pass
			Overall	75.9%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*													
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
140 - 135	485	n/a	485	13.48	n/a	13.48	6.4%														
135 - 130	578	n/a	578	14.29	n/a	14.29	12.6%														
130 - 125	683	n/a	683	15.11	n/a	15.11	17.9%														
125 - 120	800	n/a	800	15.92	n/a	15.92	25.9%														
120 - 115	929	n/a	929	16.74	n/a	16.74	36.2%														
115 - 110	1072	n/a	1072	17.56	n/a	17.56	51.2%														
110 - 105	1228	n/a	1228	18.37	n/a	18.37	63.2%														
105 - 104	1262	n/a	1262	18.54	n/a	18.54	65.5%														
104 - 103.75	1270	1013	2283	18.58	13.50	32.08	36.0%														60.5%
103.75 - 98.75	1445	1099	2543	19.39	13.50	32.89	44.5%														73.8%
98.75 - 98.25	1463	1107	2570	19.47	13.50	32.97	45.3%														75.0%
98.25 - 98	1472	2567	4039	19.52	30.45	49.97	29.2%									41.8%					48.4%
98 - 97	1509	2607	4116	19.68	30.45	50.13	30.3%									43.2%					50.0%
97 - 96.75	1519	1483	3002	19.72	16.95	36.67	42.1%									60.0%					
96.75 - 91.75	1715	1599	3314	20.54	16.95	37.49	49.2%									68.9%					
91.75 - 88.17	2186	1625	3811	25.83	16.95	42.78	45.4%									68.4%					
88.17 - 87.92	2209	2860	5069	25.89	34.95	60.84	37.1%									53.4%				51.7%	
87.92 - 82.92	2481	3142	5622	26.91	34.95	61.86	40.6%									58.9%				57.1%	
82.92 - 77.92	2774	3367	6141	27.93	34.95	62.88	44.7%									64.0%				62.2%	
77.92 - 72.92	3088	3601	6689	28.95	34.95	63.90	48.6%									68.7%				66.8%	
72.92 - 68.25	3403	3826	7229	29.90	34.95	64.85	52.1%									72.7%				70.8%	
68.25 - 67.98	3419	4981	8399	29.95	43.41	73.36	45.0%								61.7%				61.7%		
67.98 - 67.83	3429	4990	8419	29.98	43.41	73.39	45.1%								61.8%				61.8%		
67.83 - 62.83	3791	5311	9102	31.00	43.41	74.41	48.3%								65.3%				65.4%		
62.83 - 57.83	4177	5643	9819	32.02	43.41	75.43	51.4%								68.6%				68.8%		
57.83 - 52.83	4588	5984	10572	33.04	43.41	76.45	54.4%								71.6%				71.9%		
52.83 - 51.5	4702	6077	10779	33.32	43.41	76.73	55.2%								72.4%				72.7%		
51.5 - 46.5	5809	6214	12023	40.37	43.41	83.78	50.9%								70.9%				71.7%		
46.5 - 41.5	6353	6572	12925	41.60	43.41	85.01	53.1%								73.2%				74.2%		
41.5 - 37.75	6782	6848	13630	42.52	43.41	85.93	54.7%								74.8%				75.9%		
37.75 - 37.5	6810	7877	14687	42.58	48.96	91.54	51.0%							69.3%					70.9%		
37.5 - 32.5	7414	8308	15721	43.80	48.96	92.76	53.0%							71.3%					73.0%		
32.5 - 32.25	7455	9253	16708	43.86	55.34	99.20	50.5%							67.9%				67.5%			
32.25 - 27.75	8030	9695	17724	44.96	55.34	100.30	52.2%							69.5%				69.2%			
27.75 - 27.5	8063	9720	17782	45.03	55.34	100.36	52.3%				69.6%		65.9%					69.3%			
27.5 - 23.25	8634	10146	18780	46.07	55.34	101.40	53.9%				71.0%		67.3%					70.7%			
23.25 - 23	8845	12429	21274	46.13	72.28	118.40	50.8%				66.8%	52.3%	48.2%					62.8%			
23 - 20.75	9163	12712	21875	46.68	72.28	118.95	51.6%				67.5%	52.9%	48.8%					63.5%			
20.75 - 20.5	9060	11536	20596	46.74	61.96	108.69	53.5%				68.5%	63.9%						67.9%			
20.5 - 15.5	9789	12114	21903	47.96	61.96	109.92	55.3%				70.0%	65.3%						69.4%			
15.5 - 10.5	10556	12706	23261	49.19	61.96	111.14	57.0%				71.3%	66.6%						70.8%			
10.5 - 5.5	11361	13312	24673	50.41	61.96	112.37	58.6%				72.6%	67.9%						72.1%			
5.5 - 2	11949	13745	25694	51.27	61.96	113.22	59.8%				73.4%	68.7%						73.0%			
2 - 1.75	11982	13233	25215	51.33	54.92	106.25	61.0%				74.8%	70.3%					69.3%				
1.75 - 1.5	12169	21835	34004	51.39	73.59	124.98	47.1%	53.1%	60.7%	55.1%							53.4%				
1.5 - 0	12430	22103	34532	51.76	73.59	125.35	47.6%	62.1%	71.9%	64.3%							62.3%				

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

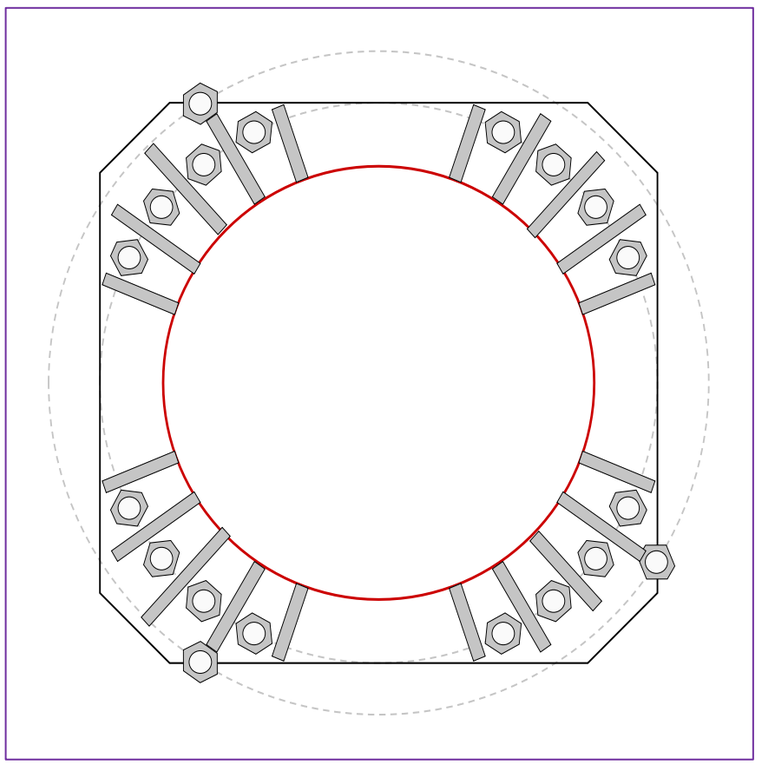
Monopole Base Plate Connection

Site Info	
BU #	876342
Site Name	BIC Drive (SSUSA)
Order #	552660 Rev. 0

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

Applied Loads	
Moment (kip-ft)	3772.00
Axial Force (kips)	66.00
Shear Force (kips)	38.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 56" BC
Anchor Spacing: 6 in
GROUP 2: (3) 2-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 66.3" BC
pos. (deg): 122.7, 237.3, 327.3

Base Plate Data

56" W x 3" Plate (A572-60; Fy=60 ksi, Fu=75 ksi); Clip: 7 in

Stiffener Data

Group 1: (4) 18"H x 7.75"W x 1.25"T, Notch: 0.75"
plate: Fy= 65 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.3125" fillet

Group 2: (8) 21"H x 9.875"W x 1.25"T, Notch: 0.75"
plate: Fy= 65 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.3125" fillet

Group 3: (2) 60"H x 11.5"W x 1.25"T, Notch: 0.75"
plate: Fy= 65 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.3125" fillet

Group 4: (4) 60"H x 7.75"W x 1.25"T, Notch: 0.75"
plate: Fy= 65 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.3125" fillet

Group 5: (2) 60"H x 9.875"W x 1.25"T, Notch: 0.75"
plate: Fy= 65 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.3125" fillet

Pole Data

43.3" x 0.375" 12-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 173.31	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.38	ϕVn = 149.1	**67.7%**
Mu = n/a	ϕMn = n/a	Pass
GROUP 2:		
Pu_c = 193.65	ϕPn_c = 238.53	**Stress Rating**
Vu = 0	ϕVn = 169.08	**77.3%**
Mu = 0	ϕMn = 179.4	Pass

Base Plate Summary

Max Stress (ksi):	3.89	(Shear)
Allowable Stress (ksi):	33.75	
Stress Rating:	**11.0%**	Pass

Stiffener Summary

Horizontal Weld:	**46.6%**	Pass
Vertical Weld:	**58.4%**	Pass
Plate Flexure+Shear:	**8.5%**	Pass
Plate Tension+Shear:	**21.2%**	Pass
Plate Compression:	**30.1%**	Pass

Pole Summary

Punching Shear:	**16.4%**	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	

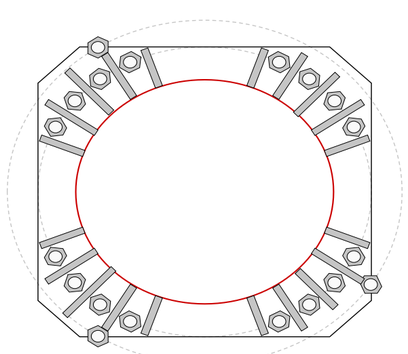
Custom Bolt Connection

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	26.5480805	2.25	A615-75	56	0.5	2.25	N-Included		No
2	1	38.8493602	2.25	A615-75	56	0.5	2.25	N-Included		No
3	1	51.1506398	2.25	A615-75	56	0.5	2.25	N-Included		No
4	1	63.4519195	2.25	A615-75	56	0.5	2.25	N-Included		No
5	1	116.548081	2.25	A615-75	56	0.5	2.25	N-Included		No
6	1	128.84936	2.25	A615-75	56	0.5	2.25	N-Included		No
7	1	141.15064	2.25	A615-75	56	0.5	2.25	N-Included		No
8	1	153.451919	2.25	A615-75	56	0.5	2.25	N-Included		No
9	1	206.548081	2.25	A615-75	56	0.5	2.25	N-Included		No
10	1	218.84936	2.25	A615-75	56	0.5	2.25	N-Included		No
11	1	231.15064	2.25	A615-75	56	0.5	2.25	N-Included		No
12	1	243.451919	2.25	A615-75	56	0.5	2.25	N-Included		No
13	1	296.548081	2.25	A615-75	56	0.5	2.25	N-Included		No
14	1	308.84936	2.25	A615-75	56	0.5	2.25	N-Included		No
15	1	321.15064	2.25	A615-75	56	0.5	2.25	N-Included		No
16	1	333.451919	2.25	A615-75	56	0.5	2.25	N-Included		No
17	2	122.69872	2.25	A193 Gr. B7	66.3	0.5	25.5	N-Included		No
18	2	237.30128	2.25	A193 Gr. B7	66.3	0.5	25.5	N-Included		No
19	2	327.30128	2.25	A193 Gr. B7	66.3	0.5	25.5	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	20.3974407	7.75	18	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
2	2	32.6987203	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
3	5	45	9.875	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
4	2	57.3012797	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
5	4	69.6025593	7.75	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
6	1	110.397441	7.75	18	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
7	2	122.69872	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
8	3	135	11.5	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
9	2	147.30128	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
10	4	159.602559	7.75	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
11	4	200.397441	7.75	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
12	2	212.69872	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
13	3	225	11.5	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
14	2	237.30128	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
15	1	249.602559	7.75	18	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
16	4	290.397441	7.75	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
17	2	302.69872	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
18	5	315	9.875	60	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
19	2	327.30128	9.875	21	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70
20	1	339.602559	7.75	18	1.25	0.75	0.75	65	Both	0.5	45	0.5	0.3125	70

Plot Graphic



Pier and Pad Foundation

BU # :	876342
Site Name:	BIC DRIVE (SSUSA
App. Number:	552660 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	66	kips
Base Shear, Vu_comp:	38	kips
Moment, M_u:	3772	ft-kips
Tower Height, **H**:	140	ft
BP Dist. Above Fdn, bp_{dist}:	4.5	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	32	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	10	ft
Pad Width, W_1:	22.5	ft
Pad Thickness, **T**:	4	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	22	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	115	pcf
Ultimate Gross Bearing, Qult:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	32	degrees
SPT Blow Count, N_{blows}:	12	
Base Friction, μ:	0.4	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	420.39	38.00	**8.6%**	**Pass**
Bearing Pressure (ksf)	22.50	3.25	**14.4%**	**Pass**
*Overturning (kip*ft)*	7991.93	4185.25	**52.4%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	7605.31	4019.00	**50.3%**	**Pass**
Pier Compression (kip)	23390.64	123.33	**0.5%**	**Pass**
*Pad Flexure (kip*ft)*	6392.21	1436.28	**21.4%**	**Pass**
Pad Shear - 1-way (kips)	951.31	212.65	**21.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.025	**14.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	10602.90	2411.40	**21.7%**	**Pass**

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

Soil Rating*:	**52.4%**
Structural Rating*:	**50.3%**

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10037868
Maser Consulting Connecticut Project #: 21777071A

May 20, 2021

Site Information	*Site ID:*	*468062-VZW / MILFORD 2 CT*
	Site Name:	*MILFORD 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*111 School House Road* *Milford, Connecticut 06461* *New Haven County*
	Latitude:	*41.212883°*
	Longitude:	*-73.084858°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 16231830

Analysis Results

Platform: **75.1% 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

Digitally signed by Taqi Khawaja-Ghulam
Date: 2021.05.21 14:58:40-04'00'

Report Prepared By: Almuhannad Alhazmi

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324366, dated April 8, 2021*
Mount Mapping Report	*Level-Up Towers, Site ID: 468062, dated February 17, 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:	0.998
Seismic Parameters:	S_S:	0.203
	S_1:	0.053
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
103.50	105.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	LNX-6514DS-A1M	Retained
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		2	Raycap	RRFDC-3315-PF-48 *	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

* Equipment to be flush mounted directly to the Monopole. They are not mounted on 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

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_1	21.1 %	Pass
Standoff_2	10.1 %	Pass
Grating Angle	8.2 %	Pass
Cross Members	21.5 %	Pass
Face Horizontal	49.6 %	Pass
Support Rail	75.1 %	Pass
Mount Pipe	25.8 %	Pass
Dual Mount	29.0 %	Pass
Bracing	14.5 %	Pass
Support Rail Corner Connection	26.8 %	Pass
Mount Connection	38.2 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**75.1%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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 Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter


B2.2
02.16.2021 17:13

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

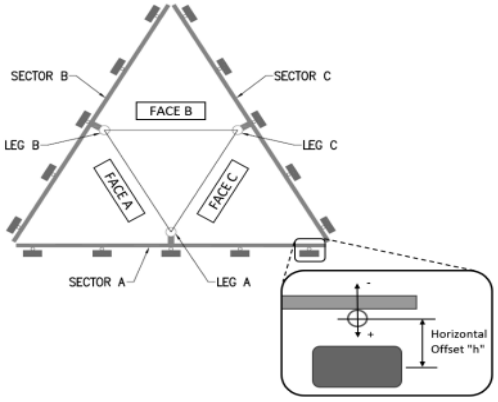
Tower Owner:	Crown Castle	**Mapping Date:**	2/17/2021
Site Name:	MILFORD 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468062	**Tower Height (Ft.):**	
Mapping Contractor:	Level-Up Towers	**Mount Elevation (Ft.):**	103.5

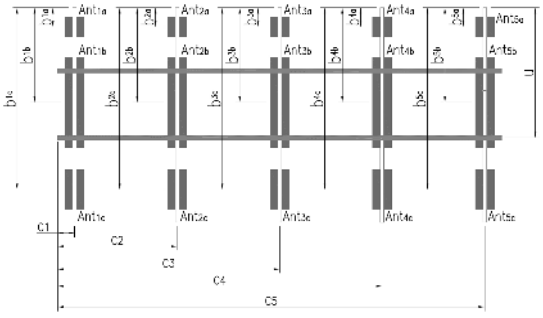
Mount Pipe Configuration and Geometries [Unit = Inches]

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	P2.41x0.16", 72" Long	42.00	7.50	C1	P2.41x0.16", 72" Long	42.00	16.00
A2	P2.38x0.17", 72" Long	42.50	45.50	C2	P2.38x0.17", 72" Long	42.50	56.00
A3	P2.38x0.16", 72" Long	9.00	79.75	C3	P2.38x0.16", 72" Long	9.00	89.00
A4	P2.42x0.16", 72" Long	46.00	116.75	C4	P2.42x0.16", 72" Long	46.00	126.00
A5	P2.39x0.18", 72" Long	42.00	153.25	C5	P2.39x0.18", 72" Long	42.00	161.50
A6				C6			
B1	P2.41x0.16", 72" Long	42.00	20.50	D1			
B2	P2.38x0.17", 72" Long	42.50	69.00	D2			
B3	P2.38x0.16", 72" Long	9.00	93.00	D3			
B4	P2.42x0.16", 72" Long	46.00	117.00	D4			
B5	P2.39x0.18", 72" Long	42.00	155.00	D5			
B6				D6			

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

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	18



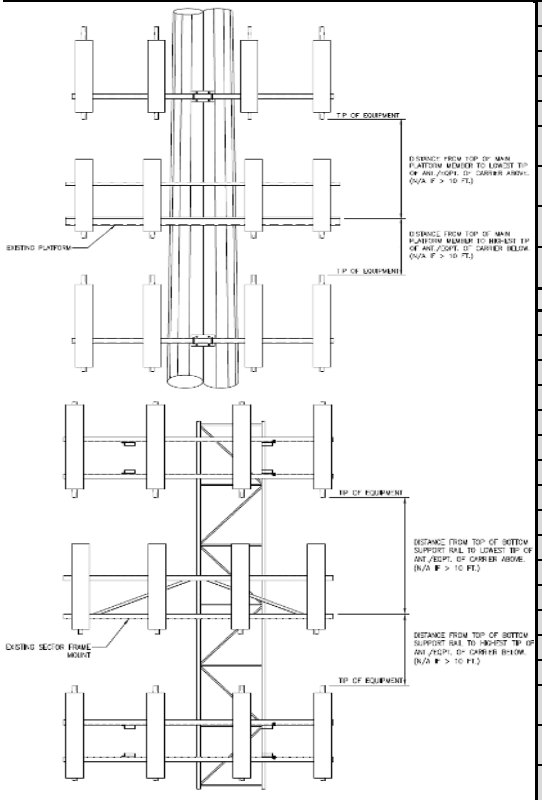


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	330.00	12
Ant_{1c}										
Ant_{2a}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	330.00	13
Ant_{2b}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	330.00	13
Ant_{2c}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.208	22.00	-7.50	330.00	13
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Samsung RT4401-48A	18.00	7.00	48.00		106.333	12.00	7.00	330.00	15
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	Andrew LNX-6514DS-	12.00	7.00	81.00	2 - 1-5/8	105.708	15.50	7.25	330.00	15
Ant_{5b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	330.00	15
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:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	0.00	Deg	Sector A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.



Sector B										
Ant_{1a}										
Ant_{1b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	90.00	85
Ant_{1c}										
Ant_{2a}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	90.00	88
Ant_{2b}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	90.00	88
Ant_{2c}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.208	22.00	-7.50	90.00	93
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Samsung RT4401-48A	18.00	7.00	48.00		106.333	12.00	7.00	90.00	99
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	Andrew LNX-6514DS-	12.00	7.00	81.00	2 - 1-5/8	105.708	15.50	7.25	90.00	103
Ant_{5b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	90.00	103
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	210.00	133
Ant_{1c}										
Ant_{2a}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	210.00	134
Ant_{2b}	Commscope SBNHH-1	12.00	7.00	73.00		105	24.50	11.00	210.00	134
Ant_{2c}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.208	22.00	-7.50	210.00	134
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Samsung RT4401-48A	18.00	7.00	48.00		106.333	12.00	7.00	210.00	136
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	Andrew LNX-6514DS-	12.00	7.00	81.00	2 - 1-5/8	105.708	15.50	7.25	210.00	137
Ant_{5b}	Samsung RFV01U-D1A	15.00	10.00	15.00		105.417	19.00	-7.50	210.00	137
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2		
3		
4		
5		
6		
7		
8		

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

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

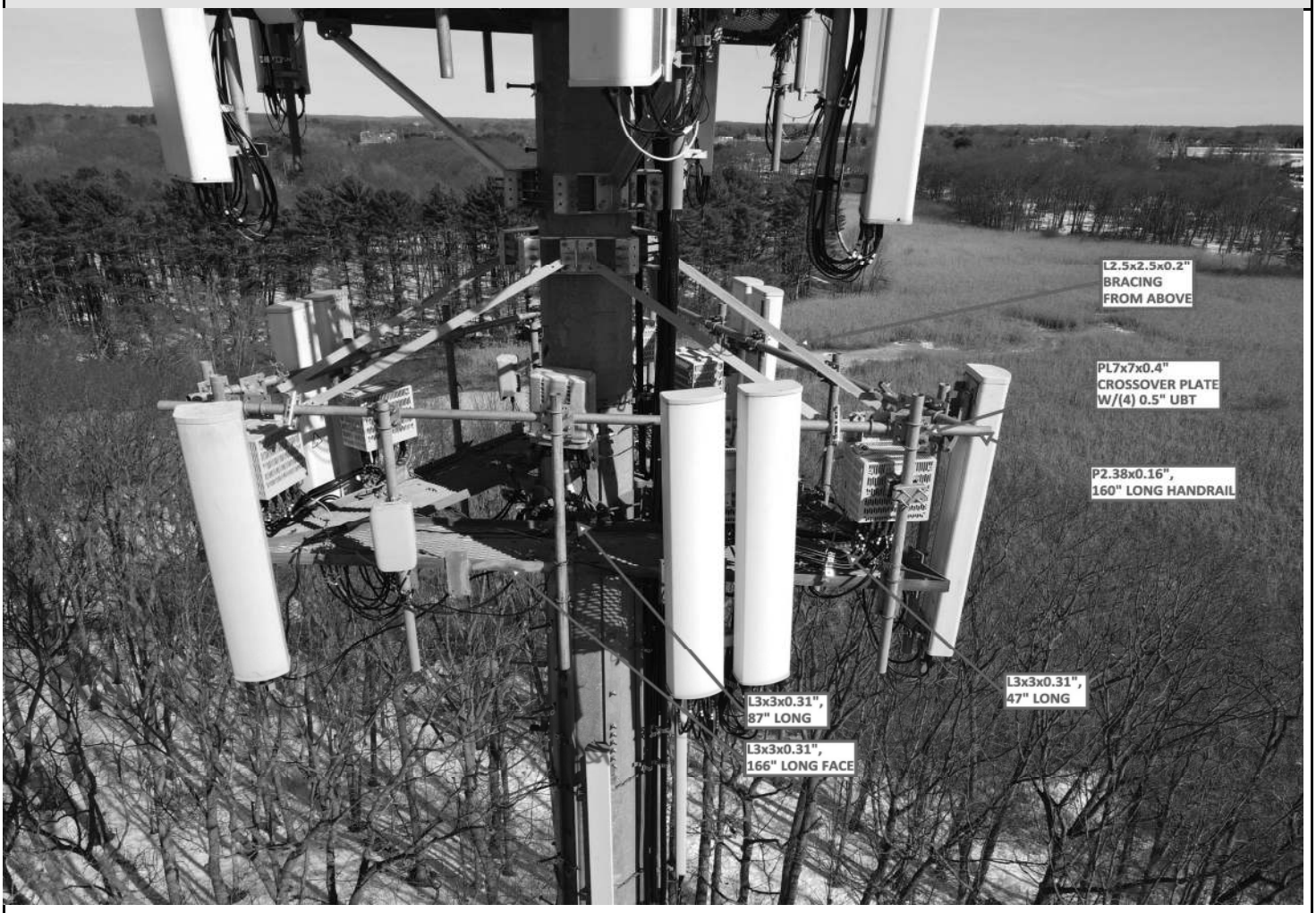
MASER CONSULTING CONNECTICUT

Antenna Mount Mapping Form (PATENT PENDING)

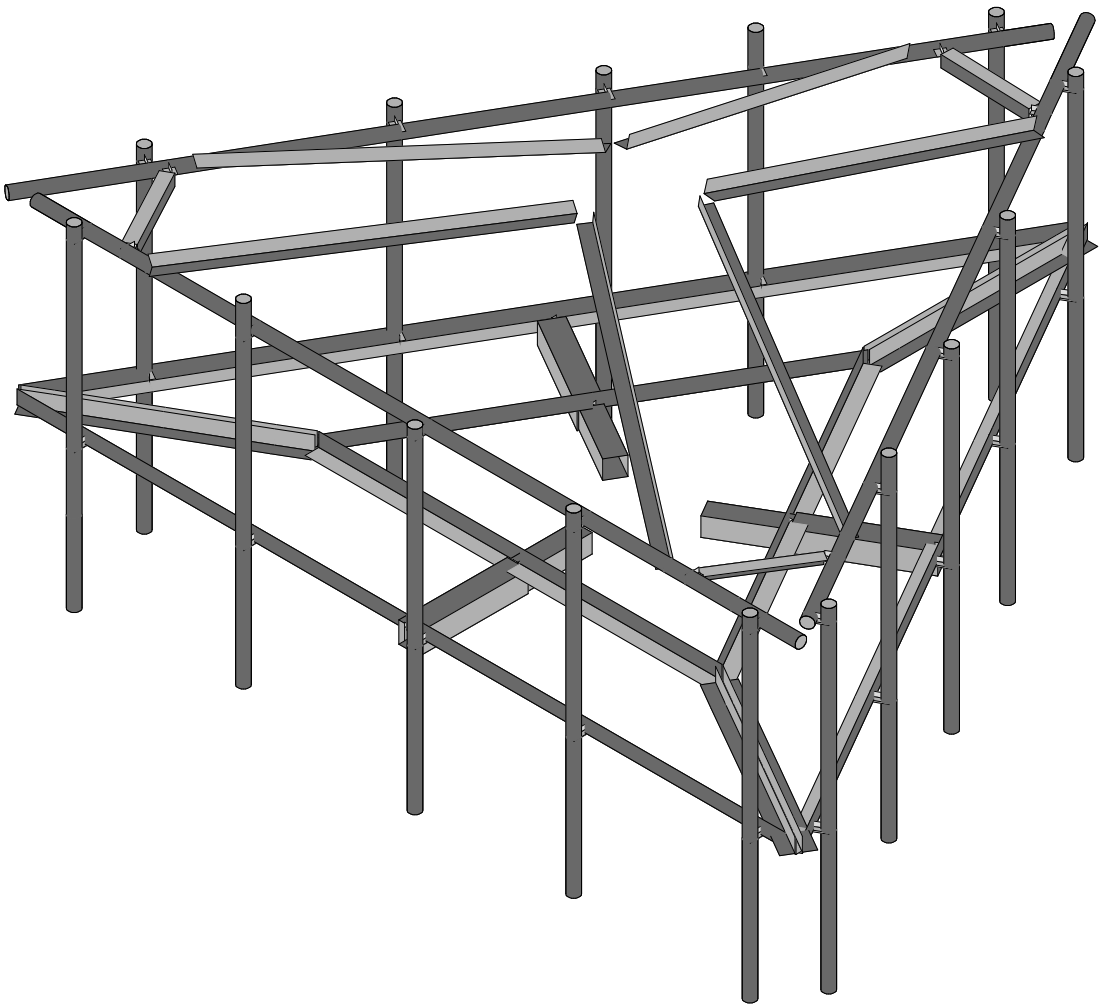
FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	2/17/2021
Site Name:	MILFORD 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468062	**Tower Height (Ft.):**	
Mapping Contractor:	Level-Up Towers	**Mount Elevation (Ft.):**	103.5

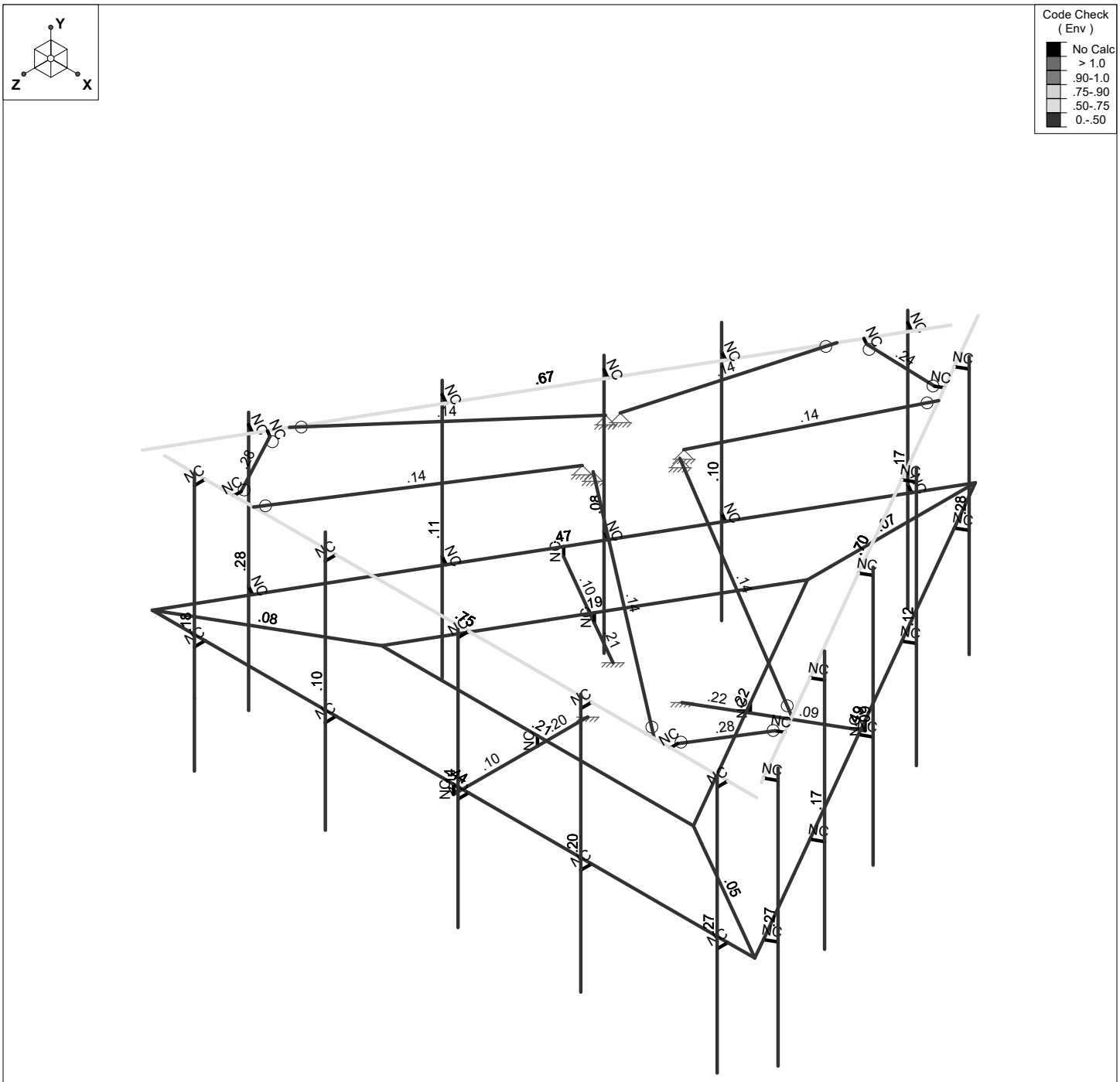
Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

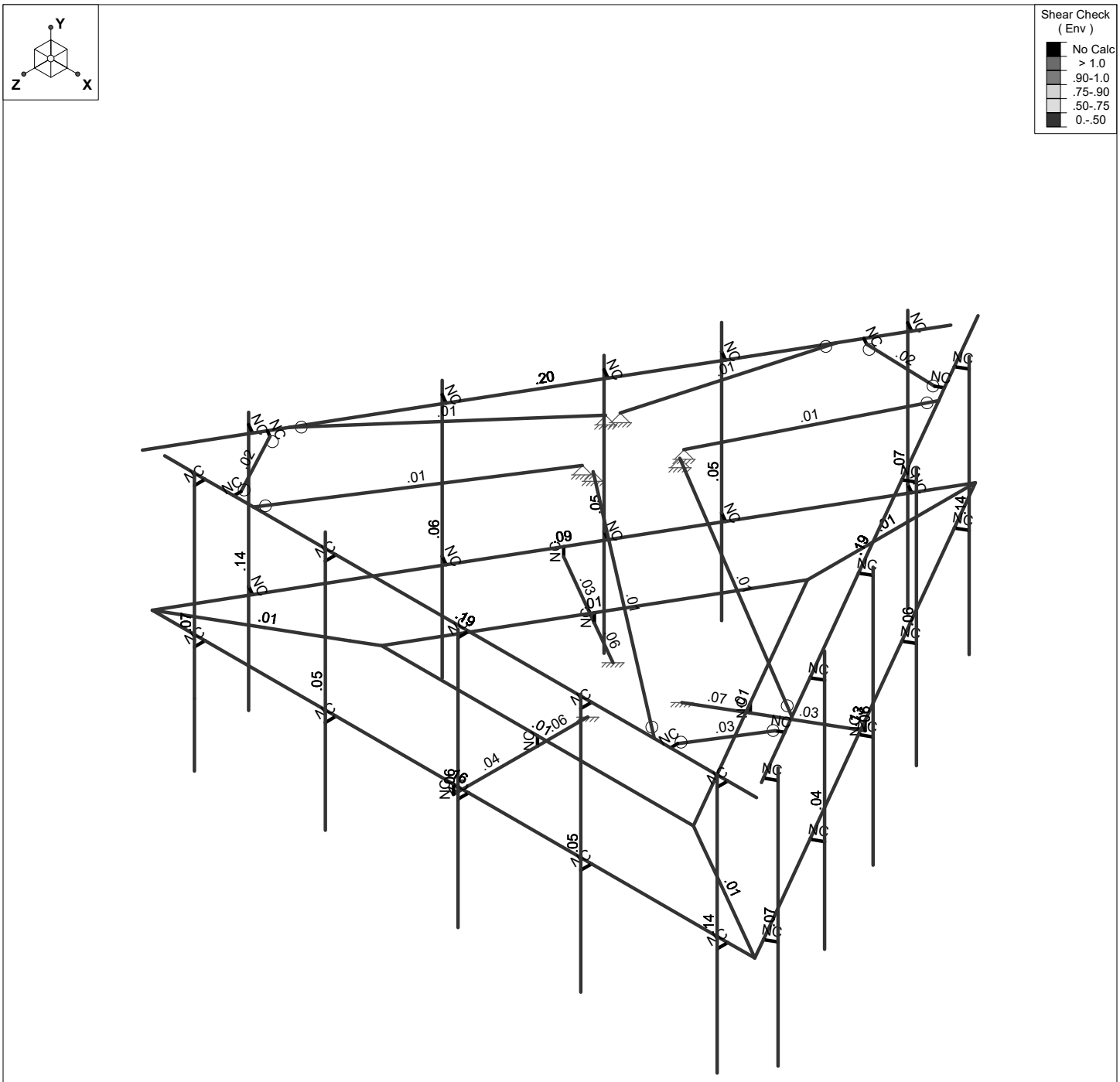


Maser Consulting	Mount Analysis	SK - 1
Mo		May 20, 2021 at 12:10 PM
21777071A		468062-VZW_MT_LO_H.r3d



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

Maser Consulting	Mount Analysis	SK - 2
Mo		May 20, 2021 at 12:10 PM
21777071A		468062-VZW_MT_LO_H.r3d



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

Maser Consulting	Mount Analysis	SK - 3
Mo		May 20, 2021 at 12:11 PM
21777071A		468062-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					99			
2	Antenna Di	None					99			
3	Antenna Wo (0 Deg)	None					99			
4	Antenna Wo (30 Deg)	None					99			
5	Antenna Wo (60 Deg)	None					99			
6	Antenna Wo (90 Deg)	None					99			
7	Antenna Wo (120 Deg)	None					99			
8	Antenna Wo (150 Deg)	None					99			
9	Antenna Wo (180 Deg)	None					99			
10	Antenna Wo (210 Deg)	None					99			
11	Antenna Wo (240 Deg)	None					99			
12	Antenna Wo (270 Deg)	None					99			
13	Antenna Wo (300 Deg)	None					99			
14	Antenna Wo (330 Deg)	None					99			
15	Antenna Wi (0 Deg)	None					99			
16	Antenna Wi (30 Deg)	None					99			
17	Antenna Wi (60 Deg)	None					99			
18	Antenna Wi (90 Deg)	None					99			
19	Antenna Wi (120 Deg)	None					99			
20	Antenna Wi (150 Deg)	None					99			
21	Antenna Wi (180 Deg)	None					99			
22	Antenna Wi (210 Deg)	None					99			
23	Antenna Wi (240 Deg)	None					99			
24	Antenna Wi (270 Deg)	None					99			
25	Antenna Wi (300 Deg)	None					99			
26	Antenna Wi (330 Deg)	None					99			
27	Antenna Wm (0 Deg)	None					99			
28	Antenna Wm (30 Deg)	None					99			
29	Antenna Wm (60 Deg)	None					99			
30	Antenna Wm (90 Deg)	None					99			
31	Antenna Wm (120 Deg)	None					99			
32	Antenna Wm (150 Deg)	None					99			
33	Antenna Wm (180 Deg)	None					99			
34	Antenna Wm (210 Deg)	None					99			
35	Antenna Wm (240 Deg)	None					99			
36	Antenna Wm (270 Deg)	None					99			
37	Antenna Wm (300 Deg)	None					99			
38	Antenna Wm (330 Deg)	None					99			
39	Structure D	None		-1					3	
40	Structure Di	None						42	3	
41	Structure Wo (0 Deg)	None						84		
42	Structure Wo (30 Deg)	None						84		
43	Structure Wo (60 Deg)	None						84		
44	Structure Wo (90 Deg)	None						84		
45	Structure Wo (120 D...	None						84		
46	Structure Wo (150 D...	None						84		
47	Structure Wo (180 D...	None						84		
48	Structure Wo (210 D...	None						84		
49	Structure Wo (240 D...	None						84		
50	Structure Wo (270 D...	None						84		
51	Structure Wo (300 D...	None						84		
52	Structure Wo (330 D...	None						84		
53	Structure Wi (0 Deg)	None						84		
54	Structure Wi (30 Deg)	None						84		
55	Structure Wi (60 Deg)	None						84		
56	Structure Wi (90 Deg)	None						84		

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						84		
58	Structure Wi (150 De...	None						84		
59	Structure Wi (180 De...	None						84		
60	Structure Wi (210 De...	None						84		
61	Structure Wi (240 De...	None						84		
62	Structure Wi (270 De...	None						84		
63	Structure Wi (300 De...	None						84		
64	Structure Wi (330 De...	None						84		
65	Structure Wm (0 Deg)	None						84		
66	Structure Wm (30 De...	None						84		
67	Structure Wm (60 De...	None						84		
68	Structure Wm (90 De...	None						84		
69	Structure Wm (120 D...	None						84		
70	Structure Wm (150 D...	None						84		
71	Structure Wm (180 D...	None						84		
72	Structure Wm (210 D...	None						84		
73	Structure Wm (240 D...	None						84		
74	Structure Wm (270 D...	None						84		
75	Structure Wm (300 D...	None						84		
76	Structure Wm (330 D...	None						84		
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	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 De..		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D..		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D..		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D..		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From 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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
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	N78A	0.	0	2.091737	0	
28	N79	0.	0	4.041317	0	
29	N80	3.506769	0	-2.008732	0	
30	N81	1.811497	0	-1.045868	0	
31	N82	-1.811497	0	-1.045868	0	
32	N83	-3.499883	0	-2.020658	0	
33	N35	-6.7086	3.25	4.041317	0	
34	N36	7.041433	3.25	4.041317	0	
35	N39A	6.374766	0	4.041317	0	
36	N40A	3.2081	0	4.041317	0	
37	N41	0.353933	0	4.041317	0	
38	N42A	-2.7294	0	4.041317	0	
39	N43A	-5.771067	0	4.041317	0	
40	N44	6.374766	3.25	4.041317	0	
41	N45	3.2081	3.25	4.041317	0	
42	N46	0.353933	3.25	4.041317	0	
43	N47	-2.7294	3.25	4.041317	0	
44	N48	-5.771067	3.25	4.041317	0	
45	N49	6.374766	0	4.291317	0	
46	N50	3.2081	0	4.291317	0	
47	N51	0.353933	0	4.291317	0	
48	N52	-2.7294	0	4.291317	0	
49	N53	-5.771067	0	4.291317	0	
50	N54	6.374766	3.25	4.291317	0	
51	N55	3.2081	3.25	4.291317	0	
52	N56	0.353933	3.25	4.291317	0	
53	N57	-2.7294	3.25	4.291317	0	
54	N58	-5.771067	3.25	4.291317	0	
55	N59	6.374766	3.5	4.291317	0	
56	N60	-5.771067	3.5	4.291317	0	
57	N61	6.374766	-2.5	4.291317	0	
58	N62	-5.771067	-2.5	4.291317	0	
59	N63	3.2081	3.541667	4.291317	0	
60	N64	3.2081	-2.458333	4.291317	0	
61	N65	-2.7294	3.833333	4.291317	0	
62	N66	-2.7294	-2.166667	4.291317	0	
63	N67A	0.353933	3.416667	4.291317	0	
64	N68	0.353933	-2.583333	4.291317	0	
65	N70	0.666667	0	-6.927933	0	
66	N71	2.333334	0	-4.041182	0	
67	N72	3.708334	0	-1.659612	0	
68	N73	5.250001	0	1.010633	0	
69	N74	6.729167	0	3.572625	0	
70	N75	0.666667	3.25	-6.927933	0	
71	N76	2.333334	3.25	-4.041182	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N77	3.708334	3.25	-1.659612	0	
73	N78B	5.250001	3.25	1.010633	0	
74	N79A	6.729167	3.25	3.572625	0	
75	N80A	0.883174	0	-7.052933	0	
76	N81A	2.54984	0	-4.166182	0	
77	N82A	3.92484	0	-1.784612	0	
78	N83A	5.466507	0	0.885633	0	
79	N84	6.945674	0	3.447625	0	
80	N85	0.883174	3.25	-7.052933	0	
81	N86	2.54984	3.25	-4.166182	0	
82	N87	3.92484	3.25	-1.784612	0	
83	N88	5.466507	3.25	0.885633	0	
84	N89	6.945674	3.25	3.447625	0	
85	N90	0.883174	3.5	-7.052933	0	
86	N91A	6.945674	3.5	3.447625	0	
87	N92	0.883174	-2.5	-7.052933	0	
88	N93	6.945674	-2.5	3.447625	0	
89	N94	2.54984	3.541667	-4.166182	0	
90	N95	2.54984	-2.458333	-4.166182	0	
91	N96	5.466507	3.833333	0.885633	0	
92	N97	5.466507	-2.166667	0.885633	0	
93	N98	3.92484	3.416667	-1.784612	0	
94	N99	3.92484	-2.583333	-1.784612	0	
95	N101	-6.145599	0	2.561856	0	
96	N102	-4.499766	0	-0.288811	0	
97	N103	-3.124766	0	-2.67038	0	
98	N104	-2.124766	0	-4.402431	0	
99	N105	-0.541433	0	-7.144845	0	
100	N106	-6.145599	3.25	2.561856	0	
101	N107	-4.499766	3.25	-0.288811	0	
102	N108	-3.124766	3.25	-2.67038	0	
103	N109	-2.124766	3.25	-4.402431	0	
104	N110B	-0.541433	3.25	-7.144845	0	
105	N111	-6.362106	0	2.436856	0	
106	N112	-4.716272	0	-0.413811	0	
107	N113	-3.341272	0	-2.79538	0	
108	N114	-2.341272	0	-4.527431	0	
109	N115	-0.757939	0	-7.269845	0	
110	N116	-6.362106	3.25	2.436856	0	
111	N117	-4.716272	3.25	-0.413811	0	
112	N118	-3.341272	3.25	-2.79538	0	
113	N119	-2.341272	3.25	-4.527431	0	
114	N120	-0.757939	3.25	-7.269845	0	
115	N121	-6.362106	3.5	2.436856	0	
116	N122	-0.757939	3.5	-7.269845	0	
117	N123	-6.362106	-2.5	2.436856	0	
118	N124	-0.757939	-2.5	-7.269845	0	
119	N125	-4.716272	3.541667	-0.413811	0	
120	N126	-4.716272	-2.458333	-0.413811	0	
121	N127	-2.341272	3.833333	-4.527431	0	
122	N128	-2.341272	-2.166667	-4.527431	0	
123	N129	-3.341272	3.541667	-2.79538	0	
124	N130	-3.341272	-2.458333	-2.79538	0	
125	N135	-1.176849	3.25	-6.044271	0	
126	N136	-5.833099	3.25	2.02059	0	
127	N141	0.738272	4.791667	-0.570579	0	
128	N145	-0.738271	4.791667	-0.570579	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N146	-0.863271	4.791667	-0.354073	0	
130	N147	-5.771067	-1.041667	4.291317	0	
131	N144A	6.791683	3.25	3.680906	0	
132	N145B	-0.083333	3.25	-8.226971	0	
133	N146B	-0.208083	3.25	-7.722223	0	
134	N147A	-7.0831	3.25	4.185655	0	
135	N143	-5.1044	3.25	4.041317	0	
136	N143A	5.874766	3.25	4.041317	0	
137	N137	-4.646068	3.25	4.041317	0	
138	N138	4.666432	3.25	4.041317	0	
139	N139	-0.125	4.791667	0.924651	0	
140	N140	0.125	4.791667	0.924651	0	
141	N141A	5.822917	3.25	2.002954	0	
142	N142	1.166667	3.25	-6.061907	0	
143	N143B	0.863271	4.791667	-0.354072	0	
144	N144	-6.020599	3.25	2.34535	0	
145	N145A	-5.1044	3.25	3.87465	0	
146	N146A	-5.876262	3.25	2.428683	0	
147	N147B	6.052083	3.25	2.399882	0	
148	N148	5.041432	3.25	4.041317	0	
149	N149	5.907746	3.25	2.483215	0	
150	N150	5.041432	3.25	3.87465	0	
151	N151	-0.947683	3.25	-6.441199	0	
152	N152	0.979167	3.25	-6.386667	0	
153	N153	-0.803345	3.25	-6.357866	0	
154	N154	0.834829	3.25	-6.303334	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	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	Dual Mount	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff_2	HSS4.5X4.5X3	Beam	Tube	A500 Gr.B Rect	Typical	2.93	9.02	9.02	14.4
4	Cross Members	L3X3X5	Beam	Channel	A36 Gr.36	Typical	1.78	1.5	1.5	.06
5	Face Horizontal	L3X3X5	Beam	Single Angle	A36 Gr.36	Typical	1.78	1.5	1.5	.06
6	Standoff_1	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
7	Grating Angle	LL3x3x5x0	Beam	Double Angle (...	A36 Gr.36	Typical	3.56	5.65	3	.119
8	Mount Plate	PL3/8x5_HRA	Column	BAR	A36 Gr.36	Typical	1.031	.012	.65	.044
9	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Bracing	L2.5x2.5x3	Column	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
12	Support Rail Angle	L2.5x2.5x3	Column	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
13	Support Rail Corner Co...	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

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

Member 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....	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr....	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....	Typical
13	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr....	Typical
14	M74A	N123C	N78			Standoff_1	Beam	Tube	A500 Gr....	Typical
15	M75A	N126A	N110			Standoff_1	Beam	Tube	A500 Gr....	Typical
16	M40A	N79	N16A			RIGID	None	None	RIGID	Typical
17	M41	N78A	N15A			RIGID	None	None	RIGID	Typical
18	M42	N83	N110A			RIGID	None	None	RIGID	Typical
19	M43	N82	N110			RIGID	None	None	RIGID	Typical
20	M44	N81	N78			RIGID	None	None	RIGID	Typical
21	M45	N80	N108A			RIGID	None	None	RIGID	Typical
22	M22	N35	N36		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
23	M25	N58	N48			RIGID	None	None	RIGID	Typical
24	M26	N53	N43A			RIGID	None	None	RIGID	Typical
25	M27	N52	N42A			RIGID	None	None	RIGID	Typical
26	M28	N57	N47			RIGID	None	None	RIGID	Typical
27	M29	N46	N56			RIGID	None	None	RIGID	Typical
28	M30	N51	N41			RIGID	None	None	RIGID	Typical
29	M31	N50	N40A			RIGID	None	None	RIGID	Typical
30	M32	N55	N45			RIGID	None	None	RIGID	Typical
31	M33	N54	N44			RIGID	None	None	RIGID	Typical
32	M34	N49	N39A			RIGID	None	None	RIGID	Typical
33	MP5A	N60	N62			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
34	MP1A	N59	N61			Dual Mount	Column	Pipe	A53 Gr.B	Typical
35	MP2A	N63	N64			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
36	MP4A	N65	N66			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
37	MP3A	N67A	N68			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
38	M40B	N89	N79A			RIGID	None	None	RIGID	Typical
39	M41A	N84	N74			RIGID	None	None	RIGID	Typical
40	M42A	N83A	N73			RIGID	None	None	RIGID	Typical
41	M43A	N88	N78B			RIGID	None	None	RIGID	Typical
42	M44A	N77	N87			RIGID	None	None	RIGID	Typical
43	M45A	N82A	N72			RIGID	None	None	RIGID	Typical
44	M46	N81A	N71			RIGID	None	None	RIGID	Typical
45	M47	N86	N76			RIGID	None	None	RIGID	Typical
46	M48	N85	N75			RIGID	None	None	RIGID	Typical
47	M49	N80A	N70			RIGID	None	None	RIGID	Typical
48	MP5C	N91A	N93			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
49	MP1C	N90	N92			Dual Mount	Column	Pipe	A53 Gr.B	Typical
50	MP2C	N94	N95			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
51	MP4C	N96	N97			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
52	MP3C	N98	N99			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
53	M55A	N120	N110B			RIGID	None	None	RIGID	Typical
54	M56A	N115	N105			RIGID	None	None	RIGID	Typical
55	M57	N114	N104			RIGID	None	None	RIGID	Typical
56	M58	N119	N109			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M59	N108	N118			RIGID	None	None	RIGID	Typical
58	M60	N113	N103			RIGID	None	None	RIGID	Typical
59	M61	N112	N102			RIGID	None	None	RIGID	Typical
60	M62	N117	N107			RIGID	None	None	RIGID	Typical
61	M63	N116	N106			RIGID	None	None	RIGID	Typical
62	M64	N111	N101			RIGID	None	None	RIGID	Typical
63	MP5B	N122	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
64	MP1B	N121	N123			Dual Mount	Column	Pipe	A53 Gr.B	Typical
65	MP2B	N125	N126			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
66	MP4B	N127	N128			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	MP3B	N129	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
68	M74	N135	N145			Bracing	Column	Single Angle	A36 Gr.36	Typical
69	M75	N146	N136			Bracing	Column	Single Angle	A36 Gr.36	Typical
70	M74B	N144A	N145B		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
71	M75B	N146B	N147A		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
72	M72	N137	N139			Bracing	Column	Single Angle	A36 Gr.36	Typical
73	M73	N140	N138			Bracing	Column	Single Angle	A36 Gr.36	Typical
74	M74C	N141A	N143B			Bracing	Column	Single Angle	A36 Gr.36	Typical
75	M75C	N141	N142			Bracing	Column	Single Angle	A36 Gr.36	Typical
76	M76	N143	N145A			RIGID	None	None	RIGID	Typical
77	M77	N144	N146A			RIGID	None	None	RIGID	Typical
78	M78	N146A	N145A		90	Support Rail Corner ...	Column	Single Angle	A36 Gr.36	Typical
79	M79	N147B	N149			RIGID	None	None	RIGID	Typical
80	M80	N148	N150			RIGID	None	None	RIGID	Typical
81	M81	N150	N149		90	Support Rail Corner ...	Column	Single Angle	A36 Gr.36	Typical
82	M82	N151	N153			RIGID	None	None	RIGID	Typical
83	M83	N152	N154			RIGID	None	None	RIGID	Typical
84	M84	N154	N153		90	Support Rail Corner ...	Column	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl 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	Default			None
7	M7A						Yes				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	M40A						Yes	** NA **			None
17	M41						Yes	** NA **			None
18	M42						Yes	** NA **			None
19	M43						Yes	** NA **			None
20	M44						Yes	** NA **			None
21	M45						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M25						Yes	** NA **			None
24	M26						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...
25	M27						Yes	** NA **			None
26	M28						Yes	** NA **			None
27	M29						Yes	** NA **			None
28	M30						Yes	** NA **			None
29	M31						Yes	** NA **			None
30	M32						Yes	** NA **			None
31	M33						Yes	** NA **			None
32	M34						Yes	** NA **			None
33	MP5A						Yes	** NA **			None
34	MP1A						Yes	** NA **			None
35	MP2A						Yes	** NA **			None
36	MP4A						Yes	** NA **			None
37	MP3A						Yes	** NA **			None
38	M40B						Yes	** NA **			None
39	M41A						Yes	** NA **			None
40	M42A						Yes	** NA **			None
41	M43A						Yes	** NA **			None
42	M44A						Yes	** NA **			None
43	M45A						Yes	** NA **			None
44	M46						Yes	** NA **			None
45	M47						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	MP5C						Yes	** NA **			None
49	MP1C						Yes	** NA **			None
50	MP2C						Yes	** NA **			None
51	MP4C						Yes	** NA **			None
52	MP3C						Yes	** NA **			None
53	M55A						Yes	** NA **			None
54	M56A						Yes	** NA **			None
55	M57						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	M59						Yes	** NA **			None
58	M60						Yes	** NA **			None
59	M61						Yes	** NA **			None
60	M62						Yes	** NA **			None
61	M63						Yes	** NA **			None
62	M64						Yes	** NA **			None
63	MP5B						Yes	** NA **			None
64	MP1B						Yes	** NA **			None
65	MP2B						Yes	** NA **			None
66	MP4B						Yes	** NA **			None
67	MP3B						Yes	** NA **			None
68	M74	BenPIN					Yes	** NA **			None
69	M75		BenPIN				Yes	** NA **			None
70	M74B						Yes	** NA **			None
71	M75B						Yes	** NA **			None
72	M72	BenPIN					Yes	** NA **			None
73	M73		BenPIN				Yes	** NA **			None
74	M74C	BenPIN					Yes	** NA **			None
75	M75C		BenPIN				Yes	** NA **			None
76	M76	OOOOOX					Yes	** NA **			None
77	M77	OOOOOX					Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79	OOOOOX					Yes	** NA **			None
80	M80	OOOOOX					Yes	** NA **			None
81	M81						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...
82	M82	OOOOOX					Yes	** NA **			None
83	M83	OOOOOX					Yes	** NA **			None
84	M84						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-31.65	.54
2	MP1A	My	-.024	.54
3	MP1A	Mz	.021	.54
4	MP1A	Y	-31.65	4.54
5	MP1A	My	-.024	4.54
6	MP1A	Mz	.021	4.54
7	MP1B	Y	-31.65	.54
8	MP1B	My	.01	.54
9	MP1B	Mz	-.03	.54
10	MP1B	Y	-31.65	4.54
11	MP1B	My	.01	4.54
12	MP1B	Mz	-.03	4.54
13	MP1C	Y	-31.65	.54
14	MP1C	My	.03	.54
15	MP1C	Mz	.01	.54
16	MP1C	Y	-31.65	4.54
17	MP1C	My	.03	4.54
18	MP1C	Mz	.01	4.54
19	MP1A	Y	-31.65	.54
20	MP1A	My	-.024	.54
21	MP1A	Mz	-.021	.54
22	MP1A	Y	-31.65	4.54
23	MP1A	My	-.024	4.54
24	MP1A	Mz	-.021	4.54
25	MP1B	Y	-31.65	.54
26	MP1B	My	.031	.54
27	MP1B	Mz	.006	.54
28	MP1B	Y	-31.65	4.54
29	MP1B	My	.031	4.54
30	MP1B	Mz	.006	4.54
31	MP1C	Y	-31.65	.54
32	MP1C	My	-.006	.54
33	MP1C	Mz	.031	.54
34	MP1C	Y	-31.65	4.54
35	MP1C	My	-.006	4.54
36	MP1C	Mz	.031	4.54
37	MP3A	Y	-43.55	2.04
38	MP3A	My	-.033	2.04
39	MP3A	Mz	0	2.04
40	MP3A	Y	-43.55	3.04
41	MP3A	My	-.033	3.04
42	MP3A	Mz	0	3.04
43	MP3B	Y	-43.55	2.04
44	MP3B	My	.028	2.04
45	MP3B	Mz	-.016	2.04
46	MP3B	Y	-43.55	3.04
47	MP3B	My	.028	3.04
48	MP3B	Mz	-.016	3.04
49	MP3C	Y	-43.55	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	My	.016	2.04
51	MP3C	Mz	.028	2.04
52	MP3C	Y	-43.55	3.04
53	MP3C	My	.016	3.04
54	MP3C	Mz	.028	3.04
55	MP5A	Y	-22.95	.54
56	MP5A	My	-.017	.54
57	MP5A	Mz	0	.54
58	MP5A	Y	-22.95	4.54
59	MP5A	My	-.017	4.54
60	MP5A	Mz	0	4.54
61	MP5B	Y	-22.95	.54
62	MP5B	My	-.017	.54
63	MP5B	Mz	0	.54
64	MP5B	Y	-22.95	4.54
65	MP5B	My	-.017	4.54
66	MP5B	Mz	0	4.54
67	MP5C	Y	-22.95	.54
68	MP5C	My	-.017	.54
69	MP5C	Mz	0	.54
70	MP5C	Y	-22.95	4.54
71	MP5C	My	-.017	4.54
72	MP5C	Mz	0	4.54
73	MP4A	Y	-4.4	2
74	MP4A	My	-.003	2
75	MP4A	Mz	0	2
76	MP4B	Y	-4.4	2
77	MP4B	My	.003	2
78	MP4B	Mz	-.002	2
79	MP4C	Y	-4.4	2
80	MP4C	My	.002	2
81	MP4C	Mz	.003	2
82	MP1A	Y	-84.4	2
83	MP1A	My	.042	2
84	MP1A	Mz	0	2
85	MP1B	Y	-84.4	2
86	MP1B	My	-.037	2
87	MP1B	Mz	.021	2
88	MP1C	Y	-84.4	2
89	MP1C	My	-.021	2
90	MP1C	Mz	-.037	2
91	MP2A	Y	-70.3	2
92	MP2A	My	.035	2
93	MP2A	Mz	0	2
94	MP2B	Y	-70.3	2
95	MP2B	My	-.03	2
96	MP2B	Mz	.018	2
97	MP2C	Y	-70.3	2
98	MP2C	My	-.018	2
99	MP2C	Mz	-.03	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-67.771	.54
2	MP1A	My	-.051	.54
3	MP1A	Mz	.045	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	Y	-67.771	4.54
5	MP1A	My	-.051	4.54
6	MP1A	Mz	.045	4.54
7	MP1B	Y	-67.771	.54
8	MP1B	My	.021	.54
9	MP1B	Mz	-.065	.54
10	MP1B	Y	-67.771	4.54
11	MP1B	My	.021	4.54
12	MP1B	Mz	-.065	4.54
13	MP1C	Y	-67.771	.54
14	MP1C	My	.065	.54
15	MP1C	Mz	.021	.54
16	MP1C	Y	-67.771	4.54
17	MP1C	My	.065	4.54
18	MP1C	Mz	.021	4.54
19	MP1A	Y	-67.771	.54
20	MP1A	My	-.051	.54
21	MP1A	Mz	-.045	.54
22	MP1A	Y	-67.771	4.54
23	MP1A	My	-.051	4.54
24	MP1A	Mz	-.045	4.54
25	MP1B	Y	-67.771	.54
26	MP1B	My	.067	.54
27	MP1B	Mz	.014	.54
28	MP1B	Y	-67.771	4.54
29	MP1B	My	.067	4.54
30	MP1B	Mz	.014	4.54
31	MP1C	Y	-67.771	.54
32	MP1C	My	-.014	.54
33	MP1C	Mz	.067	.54
34	MP1C	Y	-67.771	4.54
35	MP1C	My	-.014	4.54
36	MP1C	Mz	.067	4.54
37	MP3A	Y	-34.486	2.04
38	MP3A	My	-.026	2.04
39	MP3A	Mz	0	2.04
40	MP3A	Y	-34.486	3.04
41	MP3A	My	-.026	3.04
42	MP3A	Mz	0	3.04
43	MP3B	Y	-34.486	2.04
44	MP3B	My	.022	2.04
45	MP3B	Mz	-.013	2.04
46	MP3B	Y	-34.486	3.04
47	MP3B	My	.022	3.04
48	MP3B	Mz	-.013	3.04
49	MP3C	Y	-34.486	2.04
50	MP3C	My	.013	2.04
51	MP3C	Mz	.022	2.04
52	MP3C	Y	-34.486	3.04
53	MP3C	My	.013	3.04
54	MP3C	Mz	.022	3.04
55	MP5A	Y	-65.176	.54
56	MP5A	My	-.049	.54
57	MP5A	Mz	0	.54
58	MP5A	Y	-65.176	4.54
59	MP5A	My	-.049	4.54
60	MP5A	Mz	0	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP5B	Y	-65.176	.54
62	MP5B	My	-.049	.54
63	MP5B	Mz	0	.54
64	MP5B	Y	-65.176	4.54
65	MP5B	My	-.049	4.54
66	MP5B	Mz	0	4.54
67	MP5C	Y	-65.176	.54
68	MP5C	My	-.049	.54
69	MP5C	Mz	0	.54
70	MP5C	Y	-65.176	4.54
71	MP5C	My	-.049	4.54
72	MP5C	Mz	0	4.54
73	MP4A	Y	-12.97	2
74	MP4A	My	-.01	2
75	MP4A	Mz	0	2
76	MP4B	Y	-12.97	2
77	MP4B	My	.008	2
78	MP4B	Mz	-.005	2
79	MP4C	Y	-12.97	2
80	MP4C	My	.005	2
81	MP4C	Mz	.008	2
82	MP1A	Y	-43.458	2
83	MP1A	My	.022	2
84	MP1A	Mz	0	2
85	MP1B	Y	-43.458	2
86	MP1B	My	-.019	2
87	MP1B	Mz	.011	2
88	MP1C	Y	-43.458	2
89	MP1C	My	-.011	2
90	MP1C	Mz	-.019	2
91	MP2A	Y	-39.073	2
92	MP2A	My	.02	2
93	MP2A	Mz	0	2
94	MP2B	Y	-39.073	2
95	MP2B	My	-.017	2
96	MP2B	Mz	.01	2
97	MP2C	Y	-39.073	2
98	MP2C	My	-.01	2
99	MP2C	Mz	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	-182.666	.54
3	MP1A	Mx	-.122	.54
4	MP1A	X	0	4.54
5	MP1A	Z	-182.666	4.54
6	MP1A	Mx	-.122	4.54
7	MP1B	X	0	.54
8	MP1B	Z	-166.993	.54
9	MP1B	Mx	.159	.54
10	MP1B	X	0	4.54
11	MP1B	Z	-166.993	4.54
12	MP1B	Mx	.159	4.54
13	MP1C	X	0	.54
14	MP1C	Z	-135.646	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.043	.54
16	MP1C	X	0	4.54
17	MP1C	Z	-135.646	4.54
18	MP1C	Mx	-.043	4.54
19	MP1A	X	0	.54
20	MP1A	Z	-182.666	.54
21	MP1A	Mx	.122	.54
22	MP1A	X	0	4.54
23	MP1A	Z	-182.666	4.54
24	MP1A	Mx	.122	4.54
25	MP1B	X	0	.54
26	MP1B	Z	-166.993	.54
27	MP1B	Mx	-.034	.54
28	MP1B	X	0	4.54
29	MP1B	Z	-166.993	4.54
30	MP1B	Mx	-.034	4.54
31	MP1C	X	0	.54
32	MP1C	Z	-135.646	.54
33	MP1C	Mx	-.133	.54
34	MP1C	X	0	4.54
35	MP1C	Z	-135.646	4.54
36	MP1C	Mx	-.133	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	-94.24	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	-94.24	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	-79.904	2.04
45	MP3B	Mx	.03	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	-79.904	3.04
48	MP3B	Mx	.03	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	-51.231	2.04
51	MP3C	Mx	-.033	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	-51.231	3.04
54	MP3C	Mx	-.033	3.04
55	MP5A	X	0	.54
56	MP5A	Z	-185.072	.54
57	MP5A	Mx	0	.54
58	MP5A	X	0	4.54
59	MP5A	Z	-185.072	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	-185.072	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	-185.072	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	-185.072	.54
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	-185.072	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	-35.691	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	-28.518	2
78	MP4B	Mx	.011	2
79	MP4C	X	0	2
80	MP4C	Z	-14.172	2
81	MP4C	Mx	-.009	2
82	MP1A	X	0	2
83	MP1A	Z	-74.991	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	-68.775	2
87	MP1B	Mx	-.017	2
88	MP1C	X	0	2
89	MP1C	Z	-56.344	2
90	MP1C	Mx	.024	2
91	MP2A	X	0	2
92	MP2A	Z	-74.991	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	-66.394	2
96	MP2B	Mx	-.017	2
97	MP2C	X	0	2
98	MP2C	Z	-49.201	2
99	MP2C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	83.496	.54
2	MP1A	Z	-144.62	.54
3	MP1A	Mx	-.159	.54
4	MP1A	X	83.496	4.54
5	MP1A	Z	-144.62	4.54
6	MP1A	Mx	-.159	4.54
7	MP1B	X	67.823	.54
8	MP1B	Z	-117.473	.54
9	MP1B	Mx	.133	.54
10	MP1B	X	67.823	4.54
11	MP1B	Z	-117.473	4.54
12	MP1B	Mx	.133	4.54
13	MP1C	X	83.496	.54
14	MP1C	Z	-144.62	.54
15	MP1C	Mx	.034	.54
16	MP1C	X	83.496	4.54
17	MP1C	Z	-144.62	4.54
18	MP1C	Mx	.034	4.54
19	MP1A	X	83.496	.54
20	MP1A	Z	-144.62	.54
21	MP1A	Mx	.034	.54
22	MP1A	X	83.496	4.54
23	MP1A	Z	-144.62	4.54
24	MP1A	Mx	.034	4.54
25	MP1B	X	67.823	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1B	Z	-117.473	.54
27	MP1B	Mx	.043	.54
28	MP1B	X	67.823	4.54
29	MP1B	Z	-117.473	4.54
30	MP1B	Mx	.043	4.54
31	MP1C	X	83.496	.54
32	MP1C	Z	-144.62	.54
33	MP1C	Mx	-.159	.54
34	MP1C	X	83.496	4.54
35	MP1C	Z	-144.62	4.54
36	MP1C	Mx	-.159	4.54
37	MP3A	X	39.952	2.04
38	MP3A	Z	-69.199	2.04
39	MP3A	Mx	-.03	2.04
40	MP3A	X	39.952	3.04
41	MP3A	Z	-69.199	3.04
42	MP3A	Mx	-.03	3.04
43	MP3B	X	25.616	2.04
44	MP3B	Z	-44.368	2.04
45	MP3B	Mx	.033	2.04
46	MP3B	X	25.616	3.04
47	MP3B	Z	-44.368	3.04
48	MP3B	Mx	.033	3.04
49	MP3C	X	39.952	2.04
50	MP3C	Z	-69.199	2.04
51	MP3C	Mx	-.03	2.04
52	MP3C	X	39.952	3.04
53	MP3C	Z	-69.199	3.04
54	MP3C	Mx	-.03	3.04
55	MP5A	X	84.792	.54
56	MP5A	Z	-146.864	.54
57	MP5A	Mx	-.064	.54
58	MP5A	X	84.792	4.54
59	MP5A	Z	-146.864	4.54
60	MP5A	Mx	-.064	4.54
61	MP5B	X	84.792	.54
62	MP5B	Z	-146.864	.54
63	MP5B	Mx	-.064	.54
64	MP5B	X	84.792	4.54
65	MP5B	Z	-146.864	4.54
66	MP5B	Mx	-.064	4.54
67	MP5C	X	84.792	.54
68	MP5C	Z	-146.864	.54
69	MP5C	Mx	-.064	.54
70	MP5C	X	84.792	4.54
71	MP5C	Z	-146.864	4.54
72	MP5C	Mx	-.064	4.54
73	MP4A	X	14.259	2
74	MP4A	Z	-24.697	2
75	MP4A	Mx	-.011	2
76	MP4B	X	7.086	2
77	MP4B	Z	-12.273	2
78	MP4B	Mx	.009	2
79	MP4C	X	14.259	2
80	MP4C	Z	-24.697	2
81	MP4C	Mx	-.011	2
82	MP1A	X	34.388	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	-59.561	2
84	MP1A	Mx	.017	2
85	MP1B	X	28.172	2
86	MP1B	Z	-48.795	2
87	MP1B	Mx	-.024	2
88	MP1C	X	34.388	2
89	MP1C	Z	-59.561	2
90	MP1C	Mx	.017	2
91	MP2A	X	33.197	2
92	MP2A	Z	-57.499	2
93	MP2A	Mx	.017	2
94	MP2B	X	24.6	2
95	MP2B	Z	-42.609	2
96	MP2B	Mx	-.021	2
97	MP2C	X	33.197	2
98	MP2C	Z	-57.499	2
99	MP2C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	117.473	.54
2	MP1A	Z	-67.823	.54
3	MP1A	Mx	-.133	.54
4	MP1A	X	117.473	4.54
5	MP1A	Z	-67.823	4.54
6	MP1A	Mx	-.133	4.54
7	MP1B	X	103.899	.54
8	MP1B	Z	-59.986	.54
9	MP1B	Mx	.09	.54
10	MP1B	X	103.899	4.54
11	MP1B	Z	-59.986	4.54
12	MP1B	Mx	.09	4.54
13	MP1C	X	158.193	.54
14	MP1C	Z	-91.333	.54
15	MP1C	Mx	.122	.54
16	MP1C	X	158.193	4.54
17	MP1C	Z	-91.333	4.54
18	MP1C	Mx	.122	4.54
19	MP1A	X	117.473	.54
20	MP1A	Z	-67.823	.54
21	MP1A	Mx	-.043	.54
22	MP1A	X	117.473	4.54
23	MP1A	Z	-67.823	4.54
24	MP1A	Mx	-.043	4.54
25	MP1B	X	103.899	.54
26	MP1B	Z	-59.986	.54
27	MP1B	Mx	.09	.54
28	MP1B	X	103.899	4.54
29	MP1B	Z	-59.986	4.54
30	MP1B	Mx	.09	4.54
31	MP1C	X	158.193	.54
32	MP1C	Z	-91.333	.54
33	MP1C	Mx	-.122	.54
34	MP1C	X	158.193	4.54
35	MP1C	Z	-91.333	4.54
36	MP1C	Mx	-.122	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	44.368	2.04
38	MP3A	Z	-25.616	2.04
39	MP3A	Mx	-.033	2.04
40	MP3A	X	44.368	3.04
41	MP3A	Z	-25.616	3.04
42	MP3A	Mx	-.033	3.04
43	MP3B	X	31.952	2.04
44	MP3B	Z	-18.447	2.04
45	MP3B	Mx	.028	2.04
46	MP3B	X	31.952	3.04
47	MP3B	Z	-18.447	3.04
48	MP3B	Mx	.028	3.04
49	MP3C	X	81.615	2.04
50	MP3C	Z	-47.12	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	81.615	3.04
53	MP3C	Z	-47.12	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	120.036	.54
56	MP5A	Z	-69.303	.54
57	MP5A	Mx	-.09	.54
58	MP5A	X	120.036	4.54
59	MP5A	Z	-69.303	4.54
60	MP5A	Mx	-.09	4.54
61	MP5B	X	120.036	.54
62	MP5B	Z	-69.303	.54
63	MP5B	Mx	-.09	.54
64	MP5B	X	120.036	4.54
65	MP5B	Z	-69.303	4.54
66	MP5B	Mx	-.09	4.54
67	MP5C	X	120.036	.54
68	MP5C	Z	-69.303	.54
69	MP5C	Mx	-.09	.54
70	MP5C	X	120.036	4.54
71	MP5C	Z	-69.303	4.54
72	MP5C	Mx	-.09	4.54
73	MP4A	X	12.273	2
74	MP4A	Z	-7.086	2
75	MP4A	Mx	-.009	2
76	MP4B	X	6.062	2
77	MP4B	Z	-3.5	2
78	MP4B	Mx	.005	2
79	MP4C	X	30.909	2
80	MP4C	Z	-17.846	2
81	MP4C	Mx	0	2
82	MP1A	X	48.795	2
83	MP1A	Z	-28.172	2
84	MP1A	Mx	.024	2
85	MP1B	X	43.412	2
86	MP1B	Z	-25.064	2
87	MP1B	Mx	-.025	2
88	MP1C	X	64.944	2
89	MP1C	Z	-37.496	2
90	MP1C	Mx	0	2
91	MP2A	X	42.609	2
92	MP2A	Z	-24.6	2
93	MP2A	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2B	X	35.164	2
95	MP2B	Z	-20.302	2
96	MP2B	Mx	-.02	2
97	MP2C	X	64.944	2
98	MP2C	Z	-37.496	2
99	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	119.973	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	-.09	.54
4	MP1A	X	119.973	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	-.09	4.54
7	MP1B	X	135.646	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	.043	.54
10	MP1B	X	135.646	4.54
11	MP1B	Z	0	4.54
12	MP1B	Mx	.043	4.54
13	MP1C	X	166.993	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	.159	.54
16	MP1C	X	166.993	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	.159	4.54
19	MP1A	X	119.973	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	-.09	.54
22	MP1A	X	119.973	4.54
23	MP1A	Z	0	4.54
24	MP1A	Mx	-.09	4.54
25	MP1B	X	135.646	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	.133	.54
28	MP1B	X	135.646	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	.133	4.54
31	MP1C	X	166.993	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	-.034	.54
34	MP1C	X	166.993	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	-.034	4.54
37	MP3A	X	36.895	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	-.028	2.04
40	MP3A	X	36.895	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	-.028	3.04
43	MP3B	X	51.231	2.04
44	MP3B	Z	0	2.04
45	MP3B	Mx	.033	2.04
46	MP3B	X	51.231	3.04
47	MP3B	Z	0	3.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.033	3.04
49	MP3C	X	79.904	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	.03	2.04
52	MP3C	X	79.904	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	.03	3.04
55	MP5A	X	123.117	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	-.092	.54
58	MP5A	X	123.117	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	-.092	4.54
61	MP5B	X	123.117	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	-.092	.54
64	MP5B	X	123.117	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	-.092	4.54
67	MP5C	X	123.117	.54
68	MP5C	Z	0	.54
69	MP5C	Mx	-.092	.54
70	MP5C	X	123.117	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	-.092	4.54
73	MP4A	X	6.999	2
74	MP4A	Z	0	2
75	MP4A	Mx	-.005	2
76	MP4B	X	14.172	2
77	MP4B	Z	0	2
78	MP4B	Mx	.009	2
79	MP4C	X	28.518	2
80	MP4C	Z	0	2
81	MP4C	Mx	.011	2
82	MP1A	X	50.128	2
83	MP1A	Z	0	2
84	MP1A	Mx	.025	2
85	MP1B	X	56.344	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.024	2
88	MP1C	X	68.775	2
89	MP1C	Z	0	2
90	MP1C	Mx	-.017	2
91	MP2A	X	40.604	2
92	MP2A	Z	0	2
93	MP2A	Mx	.02	2
94	MP2B	X	49.201	2
95	MP2B	Z	0	2
96	MP2B	Mx	-.021	2
97	MP2C	X	66.394	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	117.473	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	67.823	.54
3	MP1A	Mx	-.043	.54
4	MP1A	X	117.473	4.54
5	MP1A	Z	67.823	4.54
6	MP1A	Mx	-.043	4.54
7	MP1B	X	144.62	.54
8	MP1B	Z	83.496	.54
9	MP1B	Mx	-.034	.54
10	MP1B	X	144.62	4.54
11	MP1B	Z	83.496	4.54
12	MP1B	Mx	-.034	4.54
13	MP1C	X	117.473	.54
14	MP1C	Z	67.823	.54
15	MP1C	Mx	.133	.54
16	MP1C	X	117.473	4.54
17	MP1C	Z	67.823	4.54
18	MP1C	Mx	.133	4.54
19	MP1A	X	117.473	.54
20	MP1A	Z	67.823	.54
21	MP1A	Mx	-.133	.54
22	MP1A	X	117.473	4.54
23	MP1A	Z	67.823	4.54
24	MP1A	Mx	-.133	4.54
25	MP1B	X	144.62	.54
26	MP1B	Z	83.496	.54
27	MP1B	Mx	.159	.54
28	MP1B	X	144.62	4.54
29	MP1B	Z	83.496	4.54
30	MP1B	Mx	.159	4.54
31	MP1C	X	117.473	.54
32	MP1C	Z	67.823	.54
33	MP1C	Mx	.043	.54
34	MP1C	X	117.473	4.54
35	MP1C	Z	67.823	4.54
36	MP1C	Mx	.043	4.54
37	MP3A	X	44.368	2.04
38	MP3A	Z	25.616	2.04
39	MP3A	Mx	-.033	2.04
40	MP3A	X	44.368	3.04
41	MP3A	Z	25.616	3.04
42	MP3A	Mx	-.033	3.04
43	MP3B	X	69.199	2.04
44	MP3B	Z	39.952	2.04
45	MP3B	Mx	.03	2.04
46	MP3B	X	69.199	3.04
47	MP3B	Z	39.952	3.04
48	MP3B	Mx	.03	3.04
49	MP3C	X	44.368	2.04
50	MP3C	Z	25.616	2.04
51	MP3C	Mx	.033	2.04
52	MP3C	X	44.368	3.04
53	MP3C	Z	25.616	3.04
54	MP3C	Mx	.033	3.04
55	MP5A	X	120.036	.54
56	MP5A	Z	69.303	.54
57	MP5A	Mx	-.09	.54
58	MP5A	X	120.036	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP5A	Z	69.303	4.54
60	MP5A	Mx	-.09	4.54
61	MP5B	X	120.036	.54
62	MP5B	Z	69.303	.54
63	MP5B	Mx	-.09	.54
64	MP5B	X	120.036	4.54
65	MP5B	Z	69.303	4.54
66	MP5B	Mx	-.09	4.54
67	MP5C	X	120.036	.54
68	MP5C	Z	69.303	.54
69	MP5C	Mx	-.09	.54
70	MP5C	X	120.036	4.54
71	MP5C	Z	69.303	4.54
72	MP5C	Mx	-.09	4.54
73	MP4A	X	12.273	2
74	MP4A	Z	7.086	2
75	MP4A	Mx	-.009	2
76	MP4B	X	24.697	2
77	MP4B	Z	14.259	2
78	MP4B	Mx	.011	2
79	MP4C	X	12.273	2
80	MP4C	Z	7.086	2
81	MP4C	Mx	.009	2
82	MP1A	X	48.795	2
83	MP1A	Z	28.172	2
84	MP1A	Mx	.024	2
85	MP1B	X	59.561	2
86	MP1B	Z	34.388	2
87	MP1B	Mx	-.017	2
88	MP1C	X	48.795	2
89	MP1C	Z	28.172	2
90	MP1C	Mx	-.024	2
91	MP2A	X	42.609	2
92	MP2A	Z	24.6	2
93	MP2A	Mx	.021	2
94	MP2B	X	57.499	2
95	MP2B	Z	33.197	2
96	MP2B	Mx	-.017	2
97	MP2C	X	42.609	2
98	MP2C	Z	24.6	2
99	MP2C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	83.496	.54
2	MP1A	Z	144.62	.54
3	MP1A	Mx	.034	.54
4	MP1A	X	83.496	4.54
5	MP1A	Z	144.62	4.54
6	MP1A	Mx	.034	4.54
7	MP1B	X	91.333	.54
8	MP1B	Z	158.193	.54
9	MP1B	Mx	-.122	.54
10	MP1B	X	91.333	4.54
11	MP1B	Z	158.193	4.54
12	MP1B	Mx	-.122	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	59.986	.54
14	MP1C	Z	103.899	.54
15	MP1C	Mx	.09	.54
16	MP1C	X	59.986	4.54
17	MP1C	Z	103.899	4.54
18	MP1C	Mx	.09	4.54
19	MP1A	X	83.496	.54
20	MP1A	Z	144.62	.54
21	MP1A	Mx	-.159	.54
22	MP1A	X	83.496	4.54
23	MP1A	Z	144.62	4.54
24	MP1A	Mx	-.159	4.54
25	MP1B	X	91.333	.54
26	MP1B	Z	158.193	.54
27	MP1B	Mx	.122	.54
28	MP1B	X	91.333	4.54
29	MP1B	Z	158.193	4.54
30	MP1B	Mx	.122	4.54
31	MP1C	X	59.986	.54
32	MP1C	Z	103.899	.54
33	MP1C	Mx	.09	.54
34	MP1C	X	59.986	4.54
35	MP1C	Z	103.899	4.54
36	MP1C	Mx	.09	4.54
37	MP3A	X	39.952	2.04
38	MP3A	Z	69.199	2.04
39	MP3A	Mx	-.03	2.04
40	MP3A	X	39.952	3.04
41	MP3A	Z	69.199	3.04
42	MP3A	Mx	-.03	3.04
43	MP3B	X	47.12	2.04
44	MP3B	Z	81.615	2.04
45	MP3B	Mx	0	2.04
46	MP3B	X	47.12	3.04
47	MP3B	Z	81.615	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	18.447	2.04
50	MP3C	Z	31.952	2.04
51	MP3C	Mx	.028	2.04
52	MP3C	X	18.447	3.04
53	MP3C	Z	31.952	3.04
54	MP3C	Mx	.028	3.04
55	MP5A	X	84.792	.54
56	MP5A	Z	146.864	.54
57	MP5A	Mx	-.064	.54
58	MP5A	X	84.792	4.54
59	MP5A	Z	146.864	4.54
60	MP5A	Mx	-.064	4.54
61	MP5B	X	84.792	.54
62	MP5B	Z	146.864	.54
63	MP5B	Mx	-.064	.54
64	MP5B	X	84.792	4.54
65	MP5B	Z	146.864	4.54
66	MP5B	Mx	-.064	4.54
67	MP5C	X	84.792	.54
68	MP5C	Z	146.864	.54
69	MP5C	Mx	-.064	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP5C	X	84.792	4.54
71	MP5C	Z	146.864	4.54
72	MP5C	Mx	-.064	4.54
73	MP4A	X	14.259	2
74	MP4A	Z	24.697	2
75	MP4A	Mx	-.011	2
76	MP4B	X	17.846	2
77	MP4B	Z	30.909	2
78	MP4B	Mx	0	2
79	MP4C	X	3.5	2
80	MP4C	Z	6.062	2
81	MP4C	Mx	.005	2
82	MP1A	X	34.388	2
83	MP1A	Z	59.561	2
84	MP1A	Mx	.017	2
85	MP1B	X	37.496	2
86	MP1B	Z	64.944	2
87	MP1B	Mx	0	2
88	MP1C	X	25.064	2
89	MP1C	Z	43.412	2
90	MP1C	Mx	-.025	2
91	MP2A	X	33.197	2
92	MP2A	Z	57.499	2
93	MP2A	Mx	.017	2
94	MP2B	X	37.496	2
95	MP2B	Z	64.944	2
96	MP2B	Mx	0	2
97	MP2C	X	20.302	2
98	MP2C	Z	35.164	2
99	MP2C	Mx	-.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	182.666	.54
3	MP1A	Mx	.122	.54
4	MP1A	X	0	4.54
5	MP1A	Z	182.666	4.54
6	MP1A	Mx	.122	4.54
7	MP1B	X	0	.54
8	MP1B	Z	166.993	.54
9	MP1B	Mx	-.159	.54
10	MP1B	X	0	4.54
11	MP1B	Z	166.993	4.54
12	MP1B	Mx	-.159	4.54
13	MP1C	X	0	.54
14	MP1C	Z	135.646	.54
15	MP1C	Mx	.043	.54
16	MP1C	X	0	4.54
17	MP1C	Z	135.646	4.54
18	MP1C	Mx	.043	4.54
19	MP1A	X	0	.54
20	MP1A	Z	182.666	.54
21	MP1A	Mx	-.122	.54
22	MP1A	X	0	4.54
23	MP1A	Z	182.666	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mx	-.122	4.54
25	MP1B	X	0	.54
26	MP1B	Z	166.993	.54
27	MP1B	Mx	.034	.54
28	MP1B	X	0	4.54
29	MP1B	Z	166.993	4.54
30	MP1B	Mx	.034	4.54
31	MP1C	X	0	.54
32	MP1C	Z	135.646	.54
33	MP1C	Mx	.133	.54
34	MP1C	X	0	4.54
35	MP1C	Z	135.646	4.54
36	MP1C	Mx	.133	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	94.24	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	94.24	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	79.904	2.04
45	MP3B	Mx	-.03	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	79.904	3.04
48	MP3B	Mx	-.03	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	51.231	2.04
51	MP3C	Mx	.033	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	51.231	3.04
54	MP3C	Mx	.033	3.04
55	MP5A	X	0	.54
56	MP5A	Z	185.072	.54
57	MP5A	Mx	0	.54
58	MP5A	X	0	4.54
59	MP5A	Z	185.072	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	185.072	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	185.072	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	185.072	.54
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	185.072	4.54
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	35.691	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	28.518	2
78	MP4B	Mx	-.011	2
79	MP4C	X	0	2
80	MP4C	Z	14.172	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4C	Mx	.009	2
82	MP1A	X	0	2
83	MP1A	Z	74.991	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	68.775	2
87	MP1B	Mx	.017	2
88	MP1C	X	0	2
89	MP1C	Z	56.344	2
90	MP1C	Mx	-.024	2
91	MP2A	X	0	2
92	MP2A	Z	74.991	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	66.394	2
96	MP2B	Mx	.017	2
97	MP2C	X	0	2
98	MP2C	Z	49.201	2
99	MP2C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-83.496	.54
2	MP1A	Z	144.62	.54
3	MP1A	Mx	.159	.54
4	MP1A	X	-83.496	4.54
5	MP1A	Z	144.62	4.54
6	MP1A	Mx	.159	4.54
7	MP1B	X	-67.823	.54
8	MP1B	Z	117.473	.54
9	MP1B	Mx	-.133	.54
10	MP1B	X	-67.823	4.54
11	MP1B	Z	117.473	4.54
12	MP1B	Mx	-.133	4.54
13	MP1C	X	-83.496	.54
14	MP1C	Z	144.62	.54
15	MP1C	Mx	-.034	.54
16	MP1C	X	-83.496	4.54
17	MP1C	Z	144.62	4.54
18	MP1C	Mx	-.034	4.54
19	MP1A	X	-83.496	.54
20	MP1A	Z	144.62	.54
21	MP1A	Mx	-.034	.54
22	MP1A	X	-83.496	4.54
23	MP1A	Z	144.62	4.54
24	MP1A	Mx	-.034	4.54
25	MP1B	X	-67.823	.54
26	MP1B	Z	117.473	.54
27	MP1B	Mx	-.043	.54
28	MP1B	X	-67.823	4.54
29	MP1B	Z	117.473	4.54
30	MP1B	Mx	-.043	4.54
31	MP1C	X	-83.496	.54
32	MP1C	Z	144.62	.54
33	MP1C	Mx	.159	.54
34	MP1C	X	-83.496	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1C	Z	144.62	4.54
36	MP1C	Mx	.159	4.54
37	MP3A	X	-39.952	2.04
38	MP3A	Z	69.199	2.04
39	MP3A	Mx	.03	2.04
40	MP3A	X	-39.952	3.04
41	MP3A	Z	69.199	3.04
42	MP3A	Mx	.03	3.04
43	MP3B	X	-25.616	2.04
44	MP3B	Z	44.368	2.04
45	MP3B	Mx	-.033	2.04
46	MP3B	X	-25.616	3.04
47	MP3B	Z	44.368	3.04
48	MP3B	Mx	-.033	3.04
49	MP3C	X	-39.952	2.04
50	MP3C	Z	69.199	2.04
51	MP3C	Mx	.03	2.04
52	MP3C	X	-39.952	3.04
53	MP3C	Z	69.199	3.04
54	MP3C	Mx	.03	3.04
55	MP5A	X	-84.792	.54
56	MP5A	Z	146.864	.54
57	MP5A	Mx	.064	.54
58	MP5A	X	-84.792	4.54
59	MP5A	Z	146.864	4.54
60	MP5A	Mx	.064	4.54
61	MP5B	X	-84.792	.54
62	MP5B	Z	146.864	.54
63	MP5B	Mx	.064	.54
64	MP5B	X	-84.792	4.54
65	MP5B	Z	146.864	4.54
66	MP5B	Mx	.064	4.54
67	MP5C	X	-84.792	.54
68	MP5C	Z	146.864	.54
69	MP5C	Mx	.064	.54
70	MP5C	X	-84.792	4.54
71	MP5C	Z	146.864	4.54
72	MP5C	Mx	.064	4.54
73	MP4A	X	-14.259	2
74	MP4A	Z	24.697	2
75	MP4A	Mx	.011	2
76	MP4B	X	-7.086	2
77	MP4B	Z	12.273	2
78	MP4B	Mx	-.009	2
79	MP4C	X	-14.259	2
80	MP4C	Z	24.697	2
81	MP4C	Mx	.011	2
82	MP1A	X	-34.388	2
83	MP1A	Z	59.561	2
84	MP1A	Mx	-.017	2
85	MP1B	X	-28.172	2
86	MP1B	Z	48.795	2
87	MP1B	Mx	.024	2
88	MP1C	X	-34.388	2
89	MP1C	Z	59.561	2
90	MP1C	Mx	-.017	2
91	MP2A	X	-33.197	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2A	Z	57.499	2
93	MP2A	Mx	-.017	2
94	MP2B	X	-24.6	2
95	MP2B	Z	42.609	2
96	MP2B	Mx	.021	2
97	MP2C	X	-33.197	2
98	MP2C	Z	57.499	2
99	MP2C	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-117.473	.54
2	MP1A	Z	67.823	.54
3	MP1A	Mx	.133	.54
4	MP1A	X	-117.473	4.54
5	MP1A	Z	67.823	4.54
6	MP1A	Mx	.133	4.54
7	MP1B	X	-103.899	.54
8	MP1B	Z	59.986	.54
9	MP1B	Mx	-.09	.54
10	MP1B	X	-103.899	4.54
11	MP1B	Z	59.986	4.54
12	MP1B	Mx	-.09	4.54
13	MP1C	X	-158.193	.54
14	MP1C	Z	91.333	.54
15	MP1C	Mx	-.122	.54
16	MP1C	X	-158.193	4.54
17	MP1C	Z	91.333	4.54
18	MP1C	Mx	-.122	4.54
19	MP1A	X	-117.473	.54
20	MP1A	Z	67.823	.54
21	MP1A	Mx	.043	.54
22	MP1A	X	-117.473	4.54
23	MP1A	Z	67.823	4.54
24	MP1A	Mx	.043	4.54
25	MP1B	X	-103.899	.54
26	MP1B	Z	59.986	.54
27	MP1B	Mx	-.09	.54
28	MP1B	X	-103.899	4.54
29	MP1B	Z	59.986	4.54
30	MP1B	Mx	-.09	4.54
31	MP1C	X	-158.193	.54
32	MP1C	Z	91.333	.54
33	MP1C	Mx	.122	.54
34	MP1C	X	-158.193	4.54
35	MP1C	Z	91.333	4.54
36	MP1C	Mx	.122	4.54
37	MP3A	X	-44.368	2.04
38	MP3A	Z	25.616	2.04
39	MP3A	Mx	.033	2.04
40	MP3A	X	-44.368	3.04
41	MP3A	Z	25.616	3.04
42	MP3A	Mx	.033	3.04
43	MP3B	X	-31.952	2.04
44	MP3B	Z	18.447	2.04
45	MP3B	Mx	-.028	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-31.952	3.04
47	MP3B	Z	18.447	3.04
48	MP3B	Mx	-.028	3.04
49	MP3C	X	-81.615	2.04
50	MP3C	Z	47.12	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	-81.615	3.04
53	MP3C	Z	47.12	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	-120.036	.54
56	MP5A	Z	69.303	.54
57	MP5A	Mx	.09	.54
58	MP5A	X	-120.036	4.54
59	MP5A	Z	69.303	4.54
60	MP5A	Mx	.09	4.54
61	MP5B	X	-120.036	.54
62	MP5B	Z	69.303	.54
63	MP5B	Mx	.09	.54
64	MP5B	X	-120.036	4.54
65	MP5B	Z	69.303	4.54
66	MP5B	Mx	.09	4.54
67	MP5C	X	-120.036	.54
68	MP5C	Z	69.303	.54
69	MP5C	Mx	.09	.54
70	MP5C	X	-120.036	4.54
71	MP5C	Z	69.303	4.54
72	MP5C	Mx	.09	4.54
73	MP4A	X	-12.273	2
74	MP4A	Z	7.086	2
75	MP4A	Mx	.009	2
76	MP4B	X	-6.062	2
77	MP4B	Z	3.5	2
78	MP4B	Mx	-.005	2
79	MP4C	X	-30.909	2
80	MP4C	Z	17.846	2
81	MP4C	Mx	0	2
82	MP1A	X	-48.795	2
83	MP1A	Z	28.172	2
84	MP1A	Mx	-.024	2
85	MP1B	X	-43.412	2
86	MP1B	Z	25.064	2
87	MP1B	Mx	.025	2
88	MP1C	X	-64.944	2
89	MP1C	Z	37.496	2
90	MP1C	Mx	0	2
91	MP2A	X	-42.609	2
92	MP2A	Z	24.6	2
93	MP2A	Mx	-.021	2
94	MP2B	X	-35.164	2
95	MP2B	Z	20.302	2
96	MP2B	Mx	.02	2
97	MP2C	X	-64.944	2
98	MP2C	Z	37.496	2
99	MP2C	Mx	0	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-119.973	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	.09	.54
4	MP1A	X	-119.973	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	.09	4.54
7	MP1B	X	-135.646	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	-.043	.54
10	MP1B	X	-135.646	4.54
11	MP1B	Z	0	4.54
12	MP1B	Mx	-.043	4.54
13	MP1C	X	-166.993	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	-.159	.54
16	MP1C	X	-166.993	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	-.159	4.54
19	MP1A	X	-119.973	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	.09	.54
22	MP1A	X	-119.973	4.54
23	MP1A	Z	0	4.54
24	MP1A	Mx	.09	4.54
25	MP1B	X	-135.646	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	-.133	.54
28	MP1B	X	-135.646	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	-.133	4.54
31	MP1C	X	-166.993	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	.034	.54
34	MP1C	X	-166.993	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	.034	4.54
37	MP3A	X	-36.895	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	.028	2.04
40	MP3A	X	-36.895	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	.028	3.04
43	MP3B	X	-51.231	2.04
44	MP3B	Z	0	2.04
45	MP3B	Mx	-.033	2.04
46	MP3B	X	-51.231	3.04
47	MP3B	Z	0	3.04
48	MP3B	Mx	-.033	3.04
49	MP3C	X	-79.904	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	-.03	2.04
52	MP3C	X	-79.904	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	-.03	3.04
55	MP5A	X	-123.117	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	.092	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	-123.117	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	.092	4.54
61	MP5B	X	-123.117	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	.092	.54
64	MP5B	X	-123.117	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	.092	4.54
67	MP5C	X	-123.117	.54
68	MP5C	Z	0	.54
69	MP5C	Mx	.092	.54
70	MP5C	X	-123.117	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	.092	4.54
73	MP4A	X	-6.999	2
74	MP4A	Z	0	2
75	MP4A	Mx	.005	2
76	MP4B	X	-14.172	2
77	MP4B	Z	0	2
78	MP4B	Mx	-.009	2
79	MP4C	X	-28.518	2
80	MP4C	Z	0	2
81	MP4C	Mx	-.011	2
82	MP1A	X	-50.128	2
83	MP1A	Z	0	2
84	MP1A	Mx	-.025	2
85	MP1B	X	-56.344	2
86	MP1B	Z	0	2
87	MP1B	Mx	.024	2
88	MP1C	X	-68.775	2
89	MP1C	Z	0	2
90	MP1C	Mx	.017	2
91	MP2A	X	-40.604	2
92	MP2A	Z	0	2
93	MP2A	Mx	-.02	2
94	MP2B	X	-49.201	2
95	MP2B	Z	0	2
96	MP2B	Mx	.021	2
97	MP2C	X	-66.394	2
98	MP2C	Z	0	2
99	MP2C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-117.473	.54
2	MP1A	Z	-67.823	.54
3	MP1A	Mx	.043	.54
4	MP1A	X	-117.473	4.54
5	MP1A	Z	-67.823	4.54
6	MP1A	Mx	.043	4.54
7	MP1B	X	-144.62	.54
8	MP1B	Z	-83.496	.54
9	MP1B	Mx	.034	.54
10	MP1B	X	-144.62	4.54
11	MP1B	Z	-83.496	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.034	4.54
13	MP1C	X	-117.473	.54
14	MP1C	Z	-67.823	.54
15	MP1C	Mx	-.133	.54
16	MP1C	X	-117.473	4.54
17	MP1C	Z	-67.823	4.54
18	MP1C	Mx	-.133	4.54
19	MP1A	X	-117.473	.54
20	MP1A	Z	-67.823	.54
21	MP1A	Mx	.133	.54
22	MP1A	X	-117.473	4.54
23	MP1A	Z	-67.823	4.54
24	MP1A	Mx	.133	4.54
25	MP1B	X	-144.62	.54
26	MP1B	Z	-83.496	.54
27	MP1B	Mx	-.159	.54
28	MP1B	X	-144.62	4.54
29	MP1B	Z	-83.496	4.54
30	MP1B	Mx	-.159	4.54
31	MP1C	X	-117.473	.54
32	MP1C	Z	-67.823	.54
33	MP1C	Mx	-.043	.54
34	MP1C	X	-117.473	4.54
35	MP1C	Z	-67.823	4.54
36	MP1C	Mx	-.043	4.54
37	MP3A	X	-44.368	2.04
38	MP3A	Z	-25.616	2.04
39	MP3A	Mx	.033	2.04
40	MP3A	X	-44.368	3.04
41	MP3A	Z	-25.616	3.04
42	MP3A	Mx	.033	3.04
43	MP3B	X	-69.199	2.04
44	MP3B	Z	-39.952	2.04
45	MP3B	Mx	-.03	2.04
46	MP3B	X	-69.199	3.04
47	MP3B	Z	-39.952	3.04
48	MP3B	Mx	-.03	3.04
49	MP3C	X	-44.368	2.04
50	MP3C	Z	-25.616	2.04
51	MP3C	Mx	-.033	2.04
52	MP3C	X	-44.368	3.04
53	MP3C	Z	-25.616	3.04
54	MP3C	Mx	-.033	3.04
55	MP5A	X	-120.036	.54
56	MP5A	Z	-69.303	.54
57	MP5A	Mx	.09	.54
58	MP5A	X	-120.036	4.54
59	MP5A	Z	-69.303	4.54
60	MP5A	Mx	.09	4.54
61	MP5B	X	-120.036	.54
62	MP5B	Z	-69.303	.54
63	MP5B	Mx	.09	.54
64	MP5B	X	-120.036	4.54
65	MP5B	Z	-69.303	4.54
66	MP5B	Mx	.09	4.54
67	MP5C	X	-120.036	.54
68	MP5C	Z	-69.303	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	.09	.54
70	MP5C	X	-120.036	4.54
71	MP5C	Z	-69.303	4.54
72	MP5C	Mx	.09	4.54
73	MP4A	X	-12.273	2
74	MP4A	Z	-7.086	2
75	MP4A	Mx	.009	2
76	MP4B	X	-24.697	2
77	MP4B	Z	-14.259	2
78	MP4B	Mx	-.011	2
79	MP4C	X	-12.273	2
80	MP4C	Z	-7.086	2
81	MP4C	Mx	-.009	2
82	MP1A	X	-48.795	2
83	MP1A	Z	-28.172	2
84	MP1A	Mx	-.024	2
85	MP1B	X	-59.561	2
86	MP1B	Z	-34.388	2
87	MP1B	Mx	.017	2
88	MP1C	X	-48.795	2
89	MP1C	Z	-28.172	2
90	MP1C	Mx	.024	2
91	MP2A	X	-42.609	2
92	MP2A	Z	-24.6	2
93	MP2A	Mx	-.021	2
94	MP2B	X	-57.499	2
95	MP2B	Z	-33.197	2
96	MP2B	Mx	.017	2
97	MP2C	X	-42.609	2
98	MP2C	Z	-24.6	2
99	MP2C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-83.496	.54
2	MP1A	Z	-144.62	.54
3	MP1A	Mx	-.034	.54
4	MP1A	X	-83.496	4.54
5	MP1A	Z	-144.62	4.54
6	MP1A	Mx	-.034	4.54
7	MP1B	X	-91.333	.54
8	MP1B	Z	-158.193	.54
9	MP1B	Mx	.122	.54
10	MP1B	X	-91.333	4.54
11	MP1B	Z	-158.193	4.54
12	MP1B	Mx	.122	4.54
13	MP1C	X	-59.986	.54
14	MP1C	Z	-103.899	.54
15	MP1C	Mx	-.09	.54
16	MP1C	X	-59.986	4.54
17	MP1C	Z	-103.899	4.54
18	MP1C	Mx	-.09	4.54
19	MP1A	X	-83.496	.54
20	MP1A	Z	-144.62	.54
21	MP1A	Mx	.159	.54
22	MP1A	X	-83.496	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	-144.62	4.54
24	MP1A	Mx	.159	4.54
25	MP1B	X	-91.333	.54
26	MP1B	Z	-158.193	.54
27	MP1B	Mx	-.122	.54
28	MP1B	X	-91.333	4.54
29	MP1B	Z	-158.193	4.54
30	MP1B	Mx	-.122	4.54
31	MP1C	X	-59.986	.54
32	MP1C	Z	-103.899	.54
33	MP1C	Mx	-.09	.54
34	MP1C	X	-59.986	4.54
35	MP1C	Z	-103.899	4.54
36	MP1C	Mx	-.09	4.54
37	MP3A	X	-39.952	2.04
38	MP3A	Z	-69.199	2.04
39	MP3A	Mx	.03	2.04
40	MP3A	X	-39.952	3.04
41	MP3A	Z	-69.199	3.04
42	MP3A	Mx	.03	3.04
43	MP3B	X	-47.12	2.04
44	MP3B	Z	-81.615	2.04
45	MP3B	Mx	0	2.04
46	MP3B	X	-47.12	3.04
47	MP3B	Z	-81.615	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	-18.447	2.04
50	MP3C	Z	-31.952	2.04
51	MP3C	Mx	-.028	2.04
52	MP3C	X	-18.447	3.04
53	MP3C	Z	-31.952	3.04
54	MP3C	Mx	-.028	3.04
55	MP5A	X	-84.792	.54
56	MP5A	Z	-146.864	.54
57	MP5A	Mx	.064	.54
58	MP5A	X	-84.792	4.54
59	MP5A	Z	-146.864	4.54
60	MP5A	Mx	.064	4.54
61	MP5B	X	-84.792	.54
62	MP5B	Z	-146.864	.54
63	MP5B	Mx	.064	.54
64	MP5B	X	-84.792	4.54
65	MP5B	Z	-146.864	4.54
66	MP5B	Mx	.064	4.54
67	MP5C	X	-84.792	.54
68	MP5C	Z	-146.864	.54
69	MP5C	Mx	.064	.54
70	MP5C	X	-84.792	4.54
71	MP5C	Z	-146.864	4.54
72	MP5C	Mx	.064	4.54
73	MP4A	X	-14.259	2
74	MP4A	Z	-24.697	2
75	MP4A	Mx	.011	2
76	MP4B	X	-17.846	2
77	MP4B	Z	-30.909	2
78	MP4B	Mx	0	2
79	MP4C	X	-3.5	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	-6.062	2
81	MP4C	Mx	-.005	2
82	MP1A	X	-34.388	2
83	MP1A	Z	-59.561	2
84	MP1A	Mx	-.017	2
85	MP1B	X	-37.496	2
86	MP1B	Z	-64.944	2
87	MP1B	Mx	0	2
88	MP1C	X	-25.064	2
89	MP1C	Z	-43.412	2
90	MP1C	Mx	.025	2
91	MP2A	X	-33.197	2
92	MP2A	Z	-57.499	2
93	MP2A	Mx	-.017	2
94	MP2B	X	-37.496	2
95	MP2B	Z	-64.944	2
96	MP2B	Mx	0	2
97	MP2C	X	-20.302	2
98	MP2C	Z	-35.164	2
99	MP2C	Mx	.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	-34.661	.54
3	MP1A	Mx	-.023	.54
4	MP1A	X	0	4.54
5	MP1A	Z	-34.661	4.54
6	MP1A	Mx	-.023	4.54
7	MP1B	X	0	.54
8	MP1B	Z	-31.901	.54
9	MP1B	Mx	.03	.54
10	MP1B	X	0	4.54
11	MP1B	Z	-31.901	4.54
12	MP1B	Mx	.03	4.54
13	MP1C	X	0	.54
14	MP1C	Z	-26.38	.54
15	MP1C	Mx	-.008	.54
16	MP1C	X	0	4.54
17	MP1C	Z	-26.38	4.54
18	MP1C	Mx	-.008	4.54
19	MP1A	X	0	.54
20	MP1A	Z	-34.661	.54
21	MP1A	Mx	.023	.54
22	MP1A	X	0	4.54
23	MP1A	Z	-34.661	4.54
24	MP1A	Mx	.023	4.54
25	MP1B	X	0	.54
26	MP1B	Z	-31.901	.54
27	MP1B	Mx	-.006	.54
28	MP1B	X	0	4.54
29	MP1B	Z	-31.901	4.54
30	MP1B	Mx	-.006	4.54
31	MP1C	X	0	.54
32	MP1C	Z	-26.38	.54
33	MP1C	Mx	-.026	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	0	4.54
35	MP1C	Z	-26.38	4.54
36	MP1C	Mx	-.026	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	-18.421	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	-18.421	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	-15.773	2.04
45	MP3B	Mx	.006	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	-15.773	3.04
48	MP3B	Mx	.006	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	-10.476	2.04
51	MP3C	Mx	-.007	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	-10.476	3.04
54	MP3C	Mx	-.007	3.04
55	MP5A	X	0	.54
56	MP5A	Z	-35.262	.54
57	MP5A	Mx	0	.54
58	MP5A	X	0	4.54
59	MP5A	Z	-35.262	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	-35.262	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	-35.262	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	-35.262	.54
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	-35.262	4.54
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	-7.972	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	-6.56	2
78	MP4B	Mx	.002	2
79	MP4C	X	0	2
80	MP4C	Z	-3.734	2
81	MP4C	Mx	-.002	2
82	MP1A	X	0	2
83	MP1A	Z	-15.501	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	-14.318	2
87	MP1B	Mx	-.004	2
88	MP1C	X	0	2
89	MP1C	Z	-11.953	2
90	MP1C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2A	X	0	2
92	MP2A	Z	-15.501	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	-13.869	2
96	MP2B	Mx	-.003	2
97	MP2C	X	0	2
98	MP2C	Z	-10.604	2
99	MP2C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.95	.54
2	MP1A	Z	-27.627	.54
3	MP1A	Mx	-.03	.54
4	MP1A	X	15.95	4.54
5	MP1A	Z	-27.627	4.54
6	MP1A	Mx	-.03	4.54
7	MP1B	X	13.19	.54
8	MP1B	Z	-22.846	.54
9	MP1B	Mx	.026	.54
10	MP1B	X	13.19	4.54
11	MP1B	Z	-22.846	4.54
12	MP1B	Mx	.026	4.54
13	MP1C	X	15.95	.54
14	MP1C	Z	-27.627	.54
15	MP1C	Mx	.006	.54
16	MP1C	X	15.95	4.54
17	MP1C	Z	-27.627	4.54
18	MP1C	Mx	.006	4.54
19	MP1A	X	15.95	.54
20	MP1A	Z	-27.627	.54
21	MP1A	Mx	.006	.54
22	MP1A	X	15.95	4.54
23	MP1A	Z	-27.627	4.54
24	MP1A	Mx	.006	4.54
25	MP1B	X	13.19	.54
26	MP1B	Z	-22.846	.54
27	MP1B	Mx	.008	.54
28	MP1B	X	13.19	4.54
29	MP1B	Z	-22.846	4.54
30	MP1B	Mx	.008	4.54
31	MP1C	X	15.95	.54
32	MP1C	Z	-27.627	.54
33	MP1C	Mx	-.03	.54
34	MP1C	X	15.95	4.54
35	MP1C	Z	-27.627	4.54
36	MP1C	Mx	-.03	4.54
37	MP3A	X	7.886	2.04
38	MP3A	Z	-13.66	2.04
39	MP3A	Mx	-.006	2.04
40	MP3A	X	7.886	3.04
41	MP3A	Z	-13.66	3.04
42	MP3A	Mx	-.006	3.04
43	MP3B	X	5.238	2.04
44	MP3B	Z	-9.072	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.007	2.04
46	MP3B	X	5.238	3.04
47	MP3B	Z	-9.072	3.04
48	MP3B	Mx	.007	3.04
49	MP3C	X	7.886	2.04
50	MP3C	Z	-13.66	2.04
51	MP3C	Mx	-.006	2.04
52	MP3C	X	7.886	3.04
53	MP3C	Z	-13.66	3.04
54	MP3C	Mx	-.006	3.04
55	MP5A	X	16.265	.54
56	MP5A	Z	-28.171	.54
57	MP5A	Mx	-.012	.54
58	MP5A	X	16.265	4.54
59	MP5A	Z	-28.171	4.54
60	MP5A	Mx	-.012	4.54
61	MP5B	X	16.265	.54
62	MP5B	Z	-28.171	.54
63	MP5B	Mx	-.012	.54
64	MP5B	X	16.265	4.54
65	MP5B	Z	-28.171	4.54
66	MP5B	Mx	-.012	4.54
67	MP5C	X	16.265	.54
68	MP5C	Z	-28.171	.54
69	MP5C	Mx	-.012	.54
70	MP5C	X	16.265	4.54
71	MP5C	Z	-28.171	4.54
72	MP5C	Mx	-.012	4.54
73	MP4A	X	3.28	2
74	MP4A	Z	-5.681	2
75	MP4A	Mx	-.002	2
76	MP4B	X	1.867	2
77	MP4B	Z	-3.234	2
78	MP4B	Mx	.002	2
79	MP4C	X	3.28	2
80	MP4C	Z	-5.681	2
81	MP4C	Mx	-.002	2
82	MP1A	X	7.159	2
83	MP1A	Z	-12.4	2
84	MP1A	Mx	.004	2
85	MP1B	X	5.976	2
86	MP1B	Z	-10.351	2
87	MP1B	Mx	-.005	2
88	MP1C	X	7.159	2
89	MP1C	Z	-12.4	2
90	MP1C	Mx	.004	2
91	MP2A	X	6.934	2
92	MP2A	Z	-12.011	2
93	MP2A	Mx	.003	2
94	MP2B	X	5.302	2
95	MP2B	Z	-9.184	2
96	MP2B	Mx	-.005	2
97	MP2C	X	6.934	2
98	MP2C	Z	-12.011	2
99	MP2C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.846	.54
2	MP1A	Z	-13.19	.54
3	MP1A	Mx	-.026	.54
4	MP1A	X	22.846	4.54
5	MP1A	Z	-13.19	4.54
6	MP1A	Mx	-.026	4.54
7	MP1B	X	20.455	.54
8	MP1B	Z	-11.81	.54
9	MP1B	Mx	.018	.54
10	MP1B	X	20.455	4.54
11	MP1B	Z	-11.81	4.54
12	MP1B	Mx	.018	4.54
13	MP1C	X	30.018	.54
14	MP1C	Z	-17.331	.54
15	MP1C	Mx	.023	.54
16	MP1C	X	30.018	4.54
17	MP1C	Z	-17.331	4.54
18	MP1C	Mx	.023	4.54
19	MP1A	X	22.846	.54
20	MP1A	Z	-13.19	.54
21	MP1A	Mx	-.008	.54
22	MP1A	X	22.846	4.54
23	MP1A	Z	-13.19	4.54
24	MP1A	Mx	-.008	4.54
25	MP1B	X	20.455	.54
26	MP1B	Z	-11.81	.54
27	MP1B	Mx	.018	.54
28	MP1B	X	20.455	4.54
29	MP1B	Z	-11.81	4.54
30	MP1B	Mx	.018	4.54
31	MP1C	X	30.018	.54
32	MP1C	Z	-17.331	.54
33	MP1C	Mx	-.023	.54
34	MP1C	X	30.018	4.54
35	MP1C	Z	-17.331	4.54
36	MP1C	Mx	-.023	4.54
37	MP3A	X	9.072	2.04
38	MP3A	Z	-5.238	2.04
39	MP3A	Mx	-.007	2.04
40	MP3A	X	9.072	3.04
41	MP3A	Z	-5.238	3.04
42	MP3A	Mx	-.007	3.04
43	MP3B	X	6.779	2.04
44	MP3B	Z	-3.914	2.04
45	MP3B	Mx	.006	2.04
46	MP3B	X	6.779	3.04
47	MP3B	Z	-3.914	3.04
48	MP3B	Mx	.006	3.04
49	MP3C	X	15.953	2.04
50	MP3C	Z	-9.211	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	15.953	3.04
53	MP3C	Z	-9.211	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	23.438	.54
56	MP5A	Z	-13.532	.54
57	MP5A	Mx	-.018	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	23.438	4.54
59	MP5A	Z	-13.532	4.54
60	MP5A	Mx	-.018	4.54
61	MP5B	X	23.438	.54
62	MP5B	Z	-13.532	.54
63	MP5B	Mx	-.018	.54
64	MP5B	X	23.438	4.54
65	MP5B	Z	-13.532	4.54
66	MP5B	Mx	-.018	4.54
67	MP5C	X	23.438	.54
68	MP5C	Z	-13.532	.54
69	MP5C	Mx	-.018	.54
70	MP5C	X	23.438	4.54
71	MP5C	Z	-13.532	4.54
72	MP5C	Mx	-.018	4.54
73	MP4A	X	3.234	2
74	MP4A	Z	-1.867	2
75	MP4A	Mx	-.002	2
76	MP4B	X	2.01	2
77	MP4B	Z	-1.161	2
78	MP4B	Mx	.002	2
79	MP4C	X	6.904	2
80	MP4C	Z	-3.986	2
81	MP4C	Mx	0	2
82	MP1A	X	10.351	2
83	MP1A	Z	-5.976	2
84	MP1A	Mx	.005	2
85	MP1B	X	9.327	2
86	MP1B	Z	-5.385	2
87	MP1B	Mx	-.005	2
88	MP1C	X	13.424	2
89	MP1C	Z	-7.75	2
90	MP1C	Mx	0	2
91	MP2A	X	9.184	2
92	MP2A	Z	-5.302	2
93	MP2A	Mx	.005	2
94	MP2B	X	7.77	2
95	MP2B	Z	-4.486	2
96	MP2B	Mx	-.004	2
97	MP2C	X	13.424	2
98	MP2C	Z	-7.75	2
99	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	23.62	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	-.018	.54
4	MP1A	X	23.62	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	-.018	4.54
7	MP1B	X	26.38	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	.008	.54
10	MP1B	X	26.38	4.54
11	MP1B	Z	0	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.008	4.54
13	MP1C	X	31.901	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	.03	.54
16	MP1C	X	31.901	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	.03	4.54
19	MP1A	X	23.62	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	-.018	.54
22	MP1A	X	23.62	4.54
23	MP1A	Z	0	4.54
24	MP1A	Mx	-.018	4.54
25	MP1B	X	26.38	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	.026	.54
28	MP1B	X	26.38	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	.026	4.54
31	MP1C	X	31.901	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	-.006	.54
34	MP1C	X	31.901	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	-.006	4.54
37	MP3A	X	7.828	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	-.006	2.04
40	MP3A	X	7.828	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	-.006	3.04
43	MP3B	X	10.476	2.04
44	MP3B	Z	0	2.04
45	MP3B	Mx	.007	2.04
46	MP3B	X	10.476	3.04
47	MP3B	Z	0	3.04
48	MP3B	Mx	.007	3.04
49	MP3C	X	15.773	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	.006	2.04
52	MP3C	X	15.773	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	.006	3.04
55	MP5A	X	24.331	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	-.018	.54
58	MP5A	X	24.331	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	-.018	4.54
61	MP5B	X	24.331	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	-.018	.54
64	MP5B	X	24.331	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	-.018	4.54
67	MP5C	X	24.331	.54
68	MP5C	Z	0	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	-.018	.54
70	MP5C	X	24.331	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	-.018	4.54
73	MP4A	X	2.321	2
74	MP4A	Z	0	2
75	MP4A	Mx	-.002	2
76	MP4B	X	3.734	2
77	MP4B	Z	0	2
78	MP4B	Mx	.002	2
79	MP4C	X	6.56	2
80	MP4C	Z	0	2
81	MP4C	Mx	.002	2
82	MP1A	X	10.77	2
83	MP1A	Z	0	2
84	MP1A	Mx	.005	2
85	MP1B	X	11.953	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.005	2
88	MP1C	X	14.318	2
89	MP1C	Z	0	2
90	MP1C	Mx	-.004	2
91	MP2A	X	8.972	2
92	MP2A	Z	0	2
93	MP2A	Mx	.004	2
94	MP2B	X	10.604	2
95	MP2B	Z	0	2
96	MP2B	Mx	-.005	2
97	MP2C	X	13.869	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.846	.54
2	MP1A	Z	13.19	.54
3	MP1A	Mx	-.008	.54
4	MP1A	X	22.846	4.54
5	MP1A	Z	13.19	4.54
6	MP1A	Mx	-.008	4.54
7	MP1B	X	27.627	.54
8	MP1B	Z	15.95	.54
9	MP1B	Mx	-.006	.54
10	MP1B	X	27.627	4.54
11	MP1B	Z	15.95	4.54
12	MP1B	Mx	-.006	4.54
13	MP1C	X	22.846	.54
14	MP1C	Z	13.19	.54
15	MP1C	Mx	.026	.54
16	MP1C	X	22.846	4.54
17	MP1C	Z	13.19	4.54
18	MP1C	Mx	.026	4.54
19	MP1A	X	22.846	.54
20	MP1A	Z	13.19	.54
21	MP1A	Mx	-.026	.54
22	MP1A	X	22.846	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	13.19	4.54
24	MP1A	Mx	-.026	4.54
25	MP1B	X	27.627	.54
26	MP1B	Z	15.95	.54
27	MP1B	Mx	.03	.54
28	MP1B	X	27.627	4.54
29	MP1B	Z	15.95	4.54
30	MP1B	Mx	.03	4.54
31	MP1C	X	22.846	.54
32	MP1C	Z	13.19	.54
33	MP1C	Mx	.008	.54
34	MP1C	X	22.846	4.54
35	MP1C	Z	13.19	4.54
36	MP1C	Mx	.008	4.54
37	MP3A	X	9.072	2.04
38	MP3A	Z	5.238	2.04
39	MP3A	Mx	-.007	2.04
40	MP3A	X	9.072	3.04
41	MP3A	Z	5.238	3.04
42	MP3A	Mx	-.007	3.04
43	MP3B	X	13.66	2.04
44	MP3B	Z	7.886	2.04
45	MP3B	Mx	.006	2.04
46	MP3B	X	13.66	3.04
47	MP3B	Z	7.886	3.04
48	MP3B	Mx	.006	3.04
49	MP3C	X	9.072	2.04
50	MP3C	Z	5.238	2.04
51	MP3C	Mx	.007	2.04
52	MP3C	X	9.072	3.04
53	MP3C	Z	5.238	3.04
54	MP3C	Mx	.007	3.04
55	MP5A	X	23.438	.54
56	MP5A	Z	13.532	.54
57	MP5A	Mx	-.018	.54
58	MP5A	X	23.438	4.54
59	MP5A	Z	13.532	4.54
60	MP5A	Mx	-.018	4.54
61	MP5B	X	23.438	.54
62	MP5B	Z	13.532	.54
63	MP5B	Mx	-.018	.54
64	MP5B	X	23.438	4.54
65	MP5B	Z	13.532	4.54
66	MP5B	Mx	-.018	4.54
67	MP5C	X	23.438	.54
68	MP5C	Z	13.532	.54
69	MP5C	Mx	-.018	.54
70	MP5C	X	23.438	4.54
71	MP5C	Z	13.532	4.54
72	MP5C	Mx	-.018	4.54
73	MP4A	X	3.234	2
74	MP4A	Z	1.867	2
75	MP4A	Mx	-.002	2
76	MP4B	X	5.681	2
77	MP4B	Z	3.28	2
78	MP4B	Mx	.002	2
79	MP4C	X	3.234	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	1.867	2
81	MP4C	Mx	.002	2
82	MP1A	X	10.351	2
83	MP1A	Z	5.976	2
84	MP1A	Mx	.005	2
85	MP1B	X	12.4	2
86	MP1B	Z	7.159	2
87	MP1B	Mx	-.004	2
88	MP1C	X	10.351	2
89	MP1C	Z	5.976	2
90	MP1C	Mx	-.005	2
91	MP2A	X	9.184	2
92	MP2A	Z	5.302	2
93	MP2A	Mx	.005	2
94	MP2B	X	12.011	2
95	MP2B	Z	6.934	2
96	MP2B	Mx	-.003	2
97	MP2C	X	9.184	2
98	MP2C	Z	5.302	2
99	MP2C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.95	.54
2	MP1A	Z	27.627	.54
3	MP1A	Mx	.006	.54
4	MP1A	X	15.95	4.54
5	MP1A	Z	27.627	4.54
6	MP1A	Mx	.006	4.54
7	MP1B	X	17.331	.54
8	MP1B	Z	30.018	.54
9	MP1B	Mx	-.023	.54
10	MP1B	X	17.331	4.54
11	MP1B	Z	30.018	4.54
12	MP1B	Mx	-.023	4.54
13	MP1C	X	11.81	.54
14	MP1C	Z	20.455	.54
15	MP1C	Mx	.018	.54
16	MP1C	X	11.81	4.54
17	MP1C	Z	20.455	4.54
18	MP1C	Mx	.018	4.54
19	MP1A	X	15.95	.54
20	MP1A	Z	27.627	.54
21	MP1A	Mx	-.03	.54
22	MP1A	X	15.95	4.54
23	MP1A	Z	27.627	4.54
24	MP1A	Mx	-.03	4.54
25	MP1B	X	17.331	.54
26	MP1B	Z	30.018	.54
27	MP1B	Mx	.023	.54
28	MP1B	X	17.331	4.54
29	MP1B	Z	30.018	4.54
30	MP1B	Mx	.023	4.54
31	MP1C	X	11.81	.54
32	MP1C	Z	20.455	.54
33	MP1C	Mx	.018	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	11.81	4.54
35	MP1C	Z	20.455	4.54
36	MP1C	Mx	.018	4.54
37	MP3A	X	7.886	2.04
38	MP3A	Z	13.66	2.04
39	MP3A	Mx	-.006	2.04
40	MP3A	X	7.886	3.04
41	MP3A	Z	13.66	3.04
42	MP3A	Mx	-.006	3.04
43	MP3B	X	9.211	2.04
44	MP3B	Z	15.953	2.04
45	MP3B	Mx	0	2.04
46	MP3B	X	9.211	3.04
47	MP3B	Z	15.953	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	3.914	2.04
50	MP3C	Z	6.779	2.04
51	MP3C	Mx	.006	2.04
52	MP3C	X	3.914	3.04
53	MP3C	Z	6.779	3.04
54	MP3C	Mx	.006	3.04
55	MP5A	X	16.265	.54
56	MP5A	Z	28.171	.54
57	MP5A	Mx	-.012	.54
58	MP5A	X	16.265	4.54
59	MP5A	Z	28.171	4.54
60	MP5A	Mx	-.012	4.54
61	MP5B	X	16.265	.54
62	MP5B	Z	28.171	.54
63	MP5B	Mx	-.012	.54
64	MP5B	X	16.265	4.54
65	MP5B	Z	28.171	4.54
66	MP5B	Mx	-.012	4.54
67	MP5C	X	16.265	.54
68	MP5C	Z	28.171	.54
69	MP5C	Mx	-.012	.54
70	MP5C	X	16.265	4.54
71	MP5C	Z	28.171	4.54
72	MP5C	Mx	-.012	4.54
73	MP4A	X	3.28	2
74	MP4A	Z	5.681	2
75	MP4A	Mx	-.002	2
76	MP4B	X	3.986	2
77	MP4B	Z	6.904	2
78	MP4B	Mx	0	2
79	MP4C	X	1.161	2
80	MP4C	Z	2.01	2
81	MP4C	Mx	.002	2
82	MP1A	X	7.159	2
83	MP1A	Z	12.4	2
84	MP1A	Mx	.004	2
85	MP1B	X	7.75	2
86	MP1B	Z	13.424	2
87	MP1B	Mx	0	2
88	MP1C	X	5.385	2
89	MP1C	Z	9.327	2
90	MP1C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2A	X	6.934	2
92	MP2A	Z	12.011	2
93	MP2A	Mx	.003	2
94	MP2B	X	7.75	2
95	MP2B	Z	13.424	2
96	MP2B	Mx	0	2
97	MP2C	X	4.486	2
98	MP2C	Z	7.77	2
99	MP2C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	34.661	.54
3	MP1A	Mx	.023	.54
4	MP1A	X	0	4.54
5	MP1A	Z	34.661	4.54
6	MP1A	Mx	.023	4.54
7	MP1B	X	0	.54
8	MP1B	Z	31.901	.54
9	MP1B	Mx	-.03	.54
10	MP1B	X	0	4.54
11	MP1B	Z	31.901	4.54
12	MP1B	Mx	-.03	4.54
13	MP1C	X	0	.54
14	MP1C	Z	26.38	.54
15	MP1C	Mx	.008	.54
16	MP1C	X	0	4.54
17	MP1C	Z	26.38	4.54
18	MP1C	Mx	.008	4.54
19	MP1A	X	0	.54
20	MP1A	Z	34.661	.54
21	MP1A	Mx	-.023	.54
22	MP1A	X	0	4.54
23	MP1A	Z	34.661	4.54
24	MP1A	Mx	-.023	4.54
25	MP1B	X	0	.54
26	MP1B	Z	31.901	.54
27	MP1B	Mx	.006	.54
28	MP1B	X	0	4.54
29	MP1B	Z	31.901	4.54
30	MP1B	Mx	.006	4.54
31	MP1C	X	0	.54
32	MP1C	Z	26.38	.54
33	MP1C	Mx	.026	.54
34	MP1C	X	0	4.54
35	MP1C	Z	26.38	4.54
36	MP1C	Mx	.026	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	18.421	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	18.421	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	15.773	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.006	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	15.773	3.04
48	MP3B	Mx	-.006	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	10.476	2.04
51	MP3C	Mx	.007	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	10.476	3.04
54	MP3C	Mx	.007	3.04
55	MP5A	X	0	.54
56	MP5A	Z	35.262	.54
57	MP5A	Mx	0	.54
58	MP5A	X	0	4.54
59	MP5A	Z	35.262	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	35.262	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	35.262	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	35.262	.54
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	35.262	4.54
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	7.972	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	6.56	2
78	MP4B	Mx	-.002	2
79	MP4C	X	0	2
80	MP4C	Z	3.734	2
81	MP4C	Mx	.002	2
82	MP1A	X	0	2
83	MP1A	Z	15.501	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	14.318	2
87	MP1B	Mx	.004	2
88	MP1C	X	0	2
89	MP1C	Z	11.953	2
90	MP1C	Mx	-.005	2
91	MP2A	X	0	2
92	MP2A	Z	15.501	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	13.869	2
96	MP2B	Mx	.003	2
97	MP2C	X	0	2
98	MP2C	Z	10.604	2
99	MP2C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.95	.54
2	MP1A	Z	27.627	.54
3	MP1A	Mx	.03	.54
4	MP1A	X	-15.95	4.54
5	MP1A	Z	27.627	4.54
6	MP1A	Mx	.03	4.54
7	MP1B	X	-13.19	.54
8	MP1B	Z	22.846	.54
9	MP1B	Mx	-.026	.54
10	MP1B	X	-13.19	4.54
11	MP1B	Z	22.846	4.54
12	MP1B	Mx	-.026	4.54
13	MP1C	X	-15.95	.54
14	MP1C	Z	27.627	.54
15	MP1C	Mx	-.006	.54
16	MP1C	X	-15.95	4.54
17	MP1C	Z	27.627	4.54
18	MP1C	Mx	-.006	4.54
19	MP1A	X	-15.95	.54
20	MP1A	Z	27.627	.54
21	MP1A	Mx	-.006	.54
22	MP1A	X	-15.95	4.54
23	MP1A	Z	27.627	4.54
24	MP1A	Mx	-.006	4.54
25	MP1B	X	-13.19	.54
26	MP1B	Z	22.846	.54
27	MP1B	Mx	-.008	.54
28	MP1B	X	-13.19	4.54
29	MP1B	Z	22.846	4.54
30	MP1B	Mx	-.008	4.54
31	MP1C	X	-15.95	.54
32	MP1C	Z	27.627	.54
33	MP1C	Mx	.03	.54
34	MP1C	X	-15.95	4.54
35	MP1C	Z	27.627	4.54
36	MP1C	Mx	.03	4.54
37	MP3A	X	-7.886	2.04
38	MP3A	Z	13.66	2.04
39	MP3A	Mx	.006	2.04
40	MP3A	X	-7.886	3.04
41	MP3A	Z	13.66	3.04
42	MP3A	Mx	.006	3.04
43	MP3B	X	-5.238	2.04
44	MP3B	Z	9.072	2.04
45	MP3B	Mx	-.007	2.04
46	MP3B	X	-5.238	3.04
47	MP3B	Z	9.072	3.04
48	MP3B	Mx	-.007	3.04
49	MP3C	X	-7.886	2.04
50	MP3C	Z	13.66	2.04
51	MP3C	Mx	.006	2.04
52	MP3C	X	-7.886	3.04
53	MP3C	Z	13.66	3.04
54	MP3C	Mx	.006	3.04
55	MP5A	X	-16.265	.54
56	MP5A	Z	28.171	.54
57	MP5A	Mx	.012	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	-16.265	4.54
59	MP5A	Z	28.171	4.54
60	MP5A	Mx	.012	4.54
61	MP5B	X	-16.265	.54
62	MP5B	Z	28.171	.54
63	MP5B	Mx	.012	.54
64	MP5B	X	-16.265	4.54
65	MP5B	Z	28.171	4.54
66	MP5B	Mx	.012	4.54
67	MP5C	X	-16.265	.54
68	MP5C	Z	28.171	.54
69	MP5C	Mx	.012	.54
70	MP5C	X	-16.265	4.54
71	MP5C	Z	28.171	4.54
72	MP5C	Mx	.012	4.54
73	MP4A	X	-3.28	2
74	MP4A	Z	5.681	2
75	MP4A	Mx	.002	2
76	MP4B	X	-1.867	2
77	MP4B	Z	3.234	2
78	MP4B	Mx	-.002	2
79	MP4C	X	-3.28	2
80	MP4C	Z	5.681	2
81	MP4C	Mx	.002	2
82	MP1A	X	-7.159	2
83	MP1A	Z	12.4	2
84	MP1A	Mx	-.004	2
85	MP1B	X	-5.976	2
86	MP1B	Z	10.351	2
87	MP1B	Mx	.005	2
88	MP1C	X	-7.159	2
89	MP1C	Z	12.4	2
90	MP1C	Mx	-.004	2
91	MP2A	X	-6.934	2
92	MP2A	Z	12.011	2
93	MP2A	Mx	-.003	2
94	MP2B	X	-5.302	2
95	MP2B	Z	9.184	2
96	MP2B	Mx	.005	2
97	MP2C	X	-6.934	2
98	MP2C	Z	12.011	2
99	MP2C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.846	.54
2	MP1A	Z	13.19	.54
3	MP1A	Mx	.026	.54
4	MP1A	X	-22.846	4.54
5	MP1A	Z	13.19	4.54
6	MP1A	Mx	.026	4.54
7	MP1B	X	-20.455	.54
8	MP1B	Z	11.81	.54
9	MP1B	Mx	-.018	.54
10	MP1B	X	-20.455	4.54
11	MP1B	Z	11.81	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.018	4.54
13	MP1C	X	-30.018	.54
14	MP1C	Z	17.331	.54
15	MP1C	Mx	-.023	.54
16	MP1C	X	-30.018	4.54
17	MP1C	Z	17.331	4.54
18	MP1C	Mx	-.023	4.54
19	MP1A	X	-22.846	.54
20	MP1A	Z	13.19	.54
21	MP1A	Mx	.008	.54
22	MP1A	X	-22.846	4.54
23	MP1A	Z	13.19	4.54
24	MP1A	Mx	.008	4.54
25	MP1B	X	-20.455	.54
26	MP1B	Z	11.81	.54
27	MP1B	Mx	-.018	.54
28	MP1B	X	-20.455	4.54
29	MP1B	Z	11.81	4.54
30	MP1B	Mx	-.018	4.54
31	MP1C	X	-30.018	.54
32	MP1C	Z	17.331	.54
33	MP1C	Mx	.023	.54
34	MP1C	X	-30.018	4.54
35	MP1C	Z	17.331	4.54
36	MP1C	Mx	.023	4.54
37	MP3A	X	-9.072	2.04
38	MP3A	Z	5.238	2.04
39	MP3A	Mx	.007	2.04
40	MP3A	X	-9.072	3.04
41	MP3A	Z	5.238	3.04
42	MP3A	Mx	.007	3.04
43	MP3B	X	-6.779	2.04
44	MP3B	Z	3.914	2.04
45	MP3B	Mx	-.006	2.04
46	MP3B	X	-6.779	3.04
47	MP3B	Z	3.914	3.04
48	MP3B	Mx	-.006	3.04
49	MP3C	X	-15.953	2.04
50	MP3C	Z	9.211	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	-15.953	3.04
53	MP3C	Z	9.211	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	-23.438	.54
56	MP5A	Z	13.532	.54
57	MP5A	Mx	.018	.54
58	MP5A	X	-23.438	4.54
59	MP5A	Z	13.532	4.54
60	MP5A	Mx	.018	4.54
61	MP5B	X	-23.438	.54
62	MP5B	Z	13.532	.54
63	MP5B	Mx	.018	.54
64	MP5B	X	-23.438	4.54
65	MP5B	Z	13.532	4.54
66	MP5B	Mx	.018	4.54
67	MP5C	X	-23.438	.54
68	MP5C	Z	13.532	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	.018	.54
70	MP5C	X	-23.438	4.54
71	MP5C	Z	13.532	4.54
72	MP5C	Mx	.018	4.54
73	MP4A	X	-3.234	2
74	MP4A	Z	1.867	2
75	MP4A	Mx	.002	2
76	MP4B	X	-2.01	2
77	MP4B	Z	1.161	2
78	MP4B	Mx	-.002	2
79	MP4C	X	-6.904	2
80	MP4C	Z	3.986	2
81	MP4C	Mx	0	2
82	MP1A	X	-10.351	2
83	MP1A	Z	5.976	2
84	MP1A	Mx	-.005	2
85	MP1B	X	-9.327	2
86	MP1B	Z	5.385	2
87	MP1B	Mx	.005	2
88	MP1C	X	-13.424	2
89	MP1C	Z	7.75	2
90	MP1C	Mx	0	2
91	MP2A	X	-9.184	2
92	MP2A	Z	5.302	2
93	MP2A	Mx	-.005	2
94	MP2B	X	-7.77	2
95	MP2B	Z	4.486	2
96	MP2B	Mx	.004	2
97	MP2C	X	-13.424	2
98	MP2C	Z	7.75	2
99	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-23.62	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	.018	.54
4	MP1A	X	-23.62	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	.018	4.54
7	MP1B	X	-26.38	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	-.008	.54
10	MP1B	X	-26.38	4.54
11	MP1B	Z	0	4.54
12	MP1B	Mx	-.008	4.54
13	MP1C	X	-31.901	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	-.03	.54
16	MP1C	X	-31.901	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	-.03	4.54
19	MP1A	X	-23.62	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	.018	.54
22	MP1A	X	-23.62	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	0	4.54
24	MP1A	Mx	.018	4.54
25	MP1B	X	-26.38	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	-.026	.54
28	MP1B	X	-26.38	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	-.026	4.54
31	MP1C	X	-31.901	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	.006	.54
34	MP1C	X	-31.901	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	.006	4.54
37	MP3A	X	-7.828	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	.006	2.04
40	MP3A	X	-7.828	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	.006	3.04
43	MP3B	X	-10.476	2.04
44	MP3B	Z	0	2.04
45	MP3B	Mx	-.007	2.04
46	MP3B	X	-10.476	3.04
47	MP3B	Z	0	3.04
48	MP3B	Mx	-.007	3.04
49	MP3C	X	-15.773	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	-.006	2.04
52	MP3C	X	-15.773	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	-.006	3.04
55	MP5A	X	-24.331	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	.018	.54
58	MP5A	X	-24.331	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	.018	4.54
61	MP5B	X	-24.331	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	.018	.54
64	MP5B	X	-24.331	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	.018	4.54
67	MP5C	X	-24.331	.54
68	MP5C	Z	0	.54
69	MP5C	Mx	.018	.54
70	MP5C	X	-24.331	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	.018	4.54
73	MP4A	X	-2.321	2
74	MP4A	Z	0	2
75	MP4A	Mx	.002	2
76	MP4B	X	-3.734	2
77	MP4B	Z	0	2
78	MP4B	Mx	-.002	2
79	MP4C	X	-6.56	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	0	2
81	MP4C	Mx	-.002	2
82	MP1A	X	-10.77	2
83	MP1A	Z	0	2
84	MP1A	Mx	-.005	2
85	MP1B	X	-11.953	2
86	MP1B	Z	0	2
87	MP1B	Mx	.005	2
88	MP1C	X	-14.318	2
89	MP1C	Z	0	2
90	MP1C	Mx	.004	2
91	MP2A	X	-8.972	2
92	MP2A	Z	0	2
93	MP2A	Mx	-.004	2
94	MP2B	X	-10.604	2
95	MP2B	Z	0	2
96	MP2B	Mx	.005	2
97	MP2C	X	-13.869	2
98	MP2C	Z	0	2
99	MP2C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.846	.54
2	MP1A	Z	-13.19	.54
3	MP1A	Mx	.008	.54
4	MP1A	X	-22.846	4.54
5	MP1A	Z	-13.19	4.54
6	MP1A	Mx	.008	4.54
7	MP1B	X	-27.627	.54
8	MP1B	Z	-15.95	.54
9	MP1B	Mx	.006	.54
10	MP1B	X	-27.627	4.54
11	MP1B	Z	-15.95	4.54
12	MP1B	Mx	.006	4.54
13	MP1C	X	-22.846	.54
14	MP1C	Z	-13.19	.54
15	MP1C	Mx	-.026	.54
16	MP1C	X	-22.846	4.54
17	MP1C	Z	-13.19	4.54
18	MP1C	Mx	-.026	4.54
19	MP1A	X	-22.846	.54
20	MP1A	Z	-13.19	.54
21	MP1A	Mx	.026	.54
22	MP1A	X	-22.846	4.54
23	MP1A	Z	-13.19	4.54
24	MP1A	Mx	.026	4.54
25	MP1B	X	-27.627	.54
26	MP1B	Z	-15.95	.54
27	MP1B	Mx	-.03	.54
28	MP1B	X	-27.627	4.54
29	MP1B	Z	-15.95	4.54
30	MP1B	Mx	-.03	4.54
31	MP1C	X	-22.846	.54
32	MP1C	Z	-13.19	.54
33	MP1C	Mx	-.008	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	-22.846	4.54
35	MP1C	Z	-13.19	4.54
36	MP1C	Mx	-.008	4.54
37	MP3A	X	-9.072	2.04
38	MP3A	Z	-5.238	2.04
39	MP3A	Mx	.007	2.04
40	MP3A	X	-9.072	3.04
41	MP3A	Z	-5.238	3.04
42	MP3A	Mx	.007	3.04
43	MP3B	X	-13.66	2.04
44	MP3B	Z	-7.886	2.04
45	MP3B	Mx	-.006	2.04
46	MP3B	X	-13.66	3.04
47	MP3B	Z	-7.886	3.04
48	MP3B	Mx	-.006	3.04
49	MP3C	X	-9.072	2.04
50	MP3C	Z	-5.238	2.04
51	MP3C	Mx	-.007	2.04
52	MP3C	X	-9.072	3.04
53	MP3C	Z	-5.238	3.04
54	MP3C	Mx	-.007	3.04
55	MP5A	X	-23.438	.54
56	MP5A	Z	-13.532	.54
57	MP5A	Mx	.018	.54
58	MP5A	X	-23.438	4.54
59	MP5A	Z	-13.532	4.54
60	MP5A	Mx	.018	4.54
61	MP5B	X	-23.438	.54
62	MP5B	Z	-13.532	.54
63	MP5B	Mx	.018	.54
64	MP5B	X	-23.438	4.54
65	MP5B	Z	-13.532	4.54
66	MP5B	Mx	.018	4.54
67	MP5C	X	-23.438	.54
68	MP5C	Z	-13.532	.54
69	MP5C	Mx	.018	.54
70	MP5C	X	-23.438	4.54
71	MP5C	Z	-13.532	4.54
72	MP5C	Mx	.018	4.54
73	MP4A	X	-3.234	2
74	MP4A	Z	-1.867	2
75	MP4A	Mx	.002	2
76	MP4B	X	-5.681	2
77	MP4B	Z	-3.28	2
78	MP4B	Mx	-.002	2
79	MP4C	X	-3.234	2
80	MP4C	Z	-1.867	2
81	MP4C	Mx	-.002	2
82	MP1A	X	-10.351	2
83	MP1A	Z	-5.976	2
84	MP1A	Mx	-.005	2
85	MP1B	X	-12.4	2
86	MP1B	Z	-7.159	2
87	MP1B	Mx	.004	2
88	MP1C	X	-10.351	2
89	MP1C	Z	-5.976	2
90	MP1C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2A	X	-9.184	2
92	MP2A	Z	-5.302	2
93	MP2A	Mx	-.005	2
94	MP2B	X	-12.011	2
95	MP2B	Z	-6.934	2
96	MP2B	Mx	.003	2
97	MP2C	X	-9.184	2
98	MP2C	Z	-5.302	2
99	MP2C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.95	.54
2	MP1A	Z	-27.627	.54
3	MP1A	Mx	-.006	.54
4	MP1A	X	-15.95	4.54
5	MP1A	Z	-27.627	4.54
6	MP1A	Mx	-.006	4.54
7	MP1B	X	-17.331	.54
8	MP1B	Z	-30.018	.54
9	MP1B	Mx	.023	.54
10	MP1B	X	-17.331	4.54
11	MP1B	Z	-30.018	4.54
12	MP1B	Mx	.023	4.54
13	MP1C	X	-11.81	.54
14	MP1C	Z	-20.455	.54
15	MP1C	Mx	-.018	.54
16	MP1C	X	-11.81	4.54
17	MP1C	Z	-20.455	4.54
18	MP1C	Mx	-.018	4.54
19	MP1A	X	-15.95	.54
20	MP1A	Z	-27.627	.54
21	MP1A	Mx	.03	.54
22	MP1A	X	-15.95	4.54
23	MP1A	Z	-27.627	4.54
24	MP1A	Mx	.03	4.54
25	MP1B	X	-17.331	.54
26	MP1B	Z	-30.018	.54
27	MP1B	Mx	-.023	.54
28	MP1B	X	-17.331	4.54
29	MP1B	Z	-30.018	4.54
30	MP1B	Mx	-.023	4.54
31	MP1C	X	-11.81	.54
32	MP1C	Z	-20.455	.54
33	MP1C	Mx	-.018	.54
34	MP1C	X	-11.81	4.54
35	MP1C	Z	-20.455	4.54
36	MP1C	Mx	-.018	4.54
37	MP3A	X	-7.886	2.04
38	MP3A	Z	-13.66	2.04
39	MP3A	Mx	.006	2.04
40	MP3A	X	-7.886	3.04
41	MP3A	Z	-13.66	3.04
42	MP3A	Mx	.006	3.04
43	MP3B	X	-9.211	2.04
44	MP3B	Z	-15.953	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	0	2.04
46	MP3B	X	-9.211	3.04
47	MP3B	Z	-15.953	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	-3.914	2.04
50	MP3C	Z	-6.779	2.04
51	MP3C	Mx	-.006	2.04
52	MP3C	X	-3.914	3.04
53	MP3C	Z	-6.779	3.04
54	MP3C	Mx	-.006	3.04
55	MP5A	X	-16.265	.54
56	MP5A	Z	-28.171	.54
57	MP5A	Mx	.012	.54
58	MP5A	X	-16.265	4.54
59	MP5A	Z	-28.171	4.54
60	MP5A	Mx	.012	4.54
61	MP5B	X	-16.265	.54
62	MP5B	Z	-28.171	.54
63	MP5B	Mx	.012	.54
64	MP5B	X	-16.265	4.54
65	MP5B	Z	-28.171	4.54
66	MP5B	Mx	.012	4.54
67	MP5C	X	-16.265	.54
68	MP5C	Z	-28.171	.54
69	MP5C	Mx	.012	.54
70	MP5C	X	-16.265	4.54
71	MP5C	Z	-28.171	4.54
72	MP5C	Mx	.012	4.54
73	MP4A	X	-3.28	2
74	MP4A	Z	-5.681	2
75	MP4A	Mx	.002	2
76	MP4B	X	-3.986	2
77	MP4B	Z	-6.904	2
78	MP4B	Mx	0	2
79	MP4C	X	-1.161	2
80	MP4C	Z	-2.01	2
81	MP4C	Mx	-.002	2
82	MP1A	X	-7.159	2
83	MP1A	Z	-12.4	2
84	MP1A	Mx	-.004	2
85	MP1B	X	-7.75	2
86	MP1B	Z	-13.424	2
87	MP1B	Mx	0	2
88	MP1C	X	-5.385	2
89	MP1C	Z	-9.327	2
90	MP1C	Mx	.005	2
91	MP2A	X	-6.934	2
92	MP2A	Z	-12.011	2
93	MP2A	Mx	-.003	2
94	MP2B	X	-7.75	2
95	MP2B	Z	-13.424	2
96	MP2B	Mx	0	2
97	MP2C	X	-4.486	2
98	MP2C	Z	-7.77	2
99	MP2C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	-11.417	.54
3	MP1A	Mx	-.008	.54
4	MP1A	X	0	4.54
5	MP1A	Z	-11.417	4.54
6	MP1A	Mx	-.008	4.54
7	MP1B	X	0	.54
8	MP1B	Z	-10.437	.54
9	MP1B	Mx	.01	.54
10	MP1B	X	0	4.54
11	MP1B	Z	-10.437	4.54
12	MP1B	Mx	.01	4.54
13	MP1C	X	0	.54
14	MP1C	Z	-8.478	.54
15	MP1C	Mx	-.003	.54
16	MP1C	X	0	4.54
17	MP1C	Z	-8.478	4.54
18	MP1C	Mx	-.003	4.54
19	MP1A	X	0	.54
20	MP1A	Z	-11.417	.54
21	MP1A	Mx	.008	.54
22	MP1A	X	0	4.54
23	MP1A	Z	-11.417	4.54
24	MP1A	Mx	.008	4.54
25	MP1B	X	0	.54
26	MP1B	Z	-10.437	.54
27	MP1B	Mx	-.002	.54
28	MP1B	X	0	4.54
29	MP1B	Z	-10.437	4.54
30	MP1B	Mx	-.002	4.54
31	MP1C	X	0	.54
32	MP1C	Z	-8.478	.54
33	MP1C	Mx	-.008	.54
34	MP1C	X	0	4.54
35	MP1C	Z	-8.478	4.54
36	MP1C	Mx	-.008	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	-5.89	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	-5.89	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	-4.994	2.04
45	MP3B	Mx	.002	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	-4.994	3.04
48	MP3B	Mx	.002	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	-3.202	2.04
51	MP3C	Mx	-.002	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	-3.202	3.04
54	MP3C	Mx	-.002	3.04
55	MP5A	X	0	.54
56	MP5A	Z	-11.567	.54
57	MP5A	Mx	0	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	0	4.54
59	MP5A	Z	-11.567	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	-11.567	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	-11.567	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	-11.567	.54
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	-11.567	4.54
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	-2.231	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	-1.782	2
78	MP4B	Mx	.000668	2
79	MP4C	X	0	2
80	MP4C	Z	-.886	2
81	MP4C	Mx	-.000575	2
82	MP1A	X	0	2
83	MP1A	Z	-4.687	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	-4.298	2
87	MP1B	Mx	-.001	2
88	MP1C	X	0	2
89	MP1C	Z	-3.521	2
90	MP1C	Mx	.002	2
91	MP2A	X	0	2
92	MP2A	Z	-4.687	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	-4.15	2
96	MP2B	Mx	-.001	2
97	MP2C	X	0	2
98	MP2C	Z	-3.075	2
99	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.219	.54
2	MP1A	Z	-9.039	.54
3	MP1A	Mx	-.01	.54
4	MP1A	X	5.219	4.54
5	MP1A	Z	-9.039	4.54
6	MP1A	Mx	-.01	4.54
7	MP1B	X	4.239	.54
8	MP1B	Z	-7.342	.54
9	MP1B	Mx	.008	.54
10	MP1B	X	4.239	4.54
11	MP1B	Z	-7.342	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.008	4.54
13	MP1C	X	5.219	.54
14	MP1C	Z	-9.039	.54
15	MP1C	Mx	.002	.54
16	MP1C	X	5.219	4.54
17	MP1C	Z	-9.039	4.54
18	MP1C	Mx	.002	4.54
19	MP1A	X	5.219	.54
20	MP1A	Z	-9.039	.54
21	MP1A	Mx	.002	.54
22	MP1A	X	5.219	4.54
23	MP1A	Z	-9.039	4.54
24	MP1A	Mx	.002	4.54
25	MP1B	X	4.239	.54
26	MP1B	Z	-7.342	.54
27	MP1B	Mx	.003	.54
28	MP1B	X	4.239	4.54
29	MP1B	Z	-7.342	4.54
30	MP1B	Mx	.003	4.54
31	MP1C	X	5.219	.54
32	MP1C	Z	-9.039	.54
33	MP1C	Mx	-.01	.54
34	MP1C	X	5.219	4.54
35	MP1C	Z	-9.039	4.54
36	MP1C	Mx	-.01	4.54
37	MP3A	X	2.497	2.04
38	MP3A	Z	-4.325	2.04
39	MP3A	Mx	-.002	2.04
40	MP3A	X	2.497	3.04
41	MP3A	Z	-4.325	3.04
42	MP3A	Mx	-.002	3.04
43	MP3B	X	1.601	2.04
44	MP3B	Z	-2.773	2.04
45	MP3B	Mx	.002	2.04
46	MP3B	X	1.601	3.04
47	MP3B	Z	-2.773	3.04
48	MP3B	Mx	.002	3.04
49	MP3C	X	2.497	2.04
50	MP3C	Z	-4.325	2.04
51	MP3C	Mx	-.002	2.04
52	MP3C	X	2.497	3.04
53	MP3C	Z	-4.325	3.04
54	MP3C	Mx	-.002	3.04
55	MP5A	X	5.299	.54
56	MP5A	Z	-9.179	.54
57	MP5A	Mx	-.004	.54
58	MP5A	X	5.299	4.54
59	MP5A	Z	-9.179	4.54
60	MP5A	Mx	-.004	4.54
61	MP5B	X	5.299	.54
62	MP5B	Z	-9.179	.54
63	MP5B	Mx	-.004	.54
64	MP5B	X	5.299	4.54
65	MP5B	Z	-9.179	4.54
66	MP5B	Mx	-.004	4.54
67	MP5C	X	5.299	.54
68	MP5C	Z	-9.179	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	-.004	.54
70	MP5C	X	5.299	4.54
71	MP5C	Z	-9.179	4.54
72	MP5C	Mx	-.004	4.54
73	MP4A	X	.891	2
74	MP4A	Z	-1.544	2
75	MP4A	Mx	-.000668	2
76	MP4B	X	.443	2
77	MP4B	Z	-.767	2
78	MP4B	Mx	.000575	2
79	MP4C	X	.891	2
80	MP4C	Z	-1.544	2
81	MP4C	Mx	-.000669	2
82	MP1A	X	2.149	2
83	MP1A	Z	-3.723	2
84	MP1A	Mx	.001	2
85	MP1B	X	1.761	2
86	MP1B	Z	-3.05	2
87	MP1B	Mx	-.002	2
88	MP1C	X	2.149	2
89	MP1C	Z	-3.723	2
90	MP1C	Mx	.001	2
91	MP2A	X	2.075	2
92	MP2A	Z	-3.594	2
93	MP2A	Mx	.001	2
94	MP2B	X	1.538	2
95	MP2B	Z	-2.663	2
96	MP2B	Mx	-.001	2
97	MP2C	X	2.075	2
98	MP2C	Z	-3.594	2
99	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.342	.54
2	MP1A	Z	-4.239	.54
3	MP1A	Mx	-.008	.54
4	MP1A	X	7.342	4.54
5	MP1A	Z	-4.239	4.54
6	MP1A	Mx	-.008	4.54
7	MP1B	X	6.494	.54
8	MP1B	Z	-3.749	.54
9	MP1B	Mx	.006	.54
10	MP1B	X	6.494	4.54
11	MP1B	Z	-3.749	4.54
12	MP1B	Mx	.006	4.54
13	MP1C	X	9.887	.54
14	MP1C	Z	-5.708	.54
15	MP1C	Mx	.008	.54
16	MP1C	X	9.887	4.54
17	MP1C	Z	-5.708	4.54
18	MP1C	Mx	.008	4.54
19	MP1A	X	7.342	.54
20	MP1A	Z	-4.239	.54
21	MP1A	Mx	-.003	.54
22	MP1A	X	7.342	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	-4.239	4.54
24	MP1A	Mx	-.003	4.54
25	MP1B	X	6.494	.54
26	MP1B	Z	-3.749	.54
27	MP1B	Mx	.006	.54
28	MP1B	X	6.494	4.54
29	MP1B	Z	-3.749	4.54
30	MP1B	Mx	.006	4.54
31	MP1C	X	9.887	.54
32	MP1C	Z	-5.708	.54
33	MP1C	Mx	-.008	.54
34	MP1C	X	9.887	4.54
35	MP1C	Z	-5.708	4.54
36	MP1C	Mx	-.008	4.54
37	MP3A	X	2.773	2.04
38	MP3A	Z	-1.601	2.04
39	MP3A	Mx	-.002	2.04
40	MP3A	X	2.773	3.04
41	MP3A	Z	-1.601	3.04
42	MP3A	Mx	-.002	3.04
43	MP3B	X	1.997	2.04
44	MP3B	Z	-1.153	2.04
45	MP3B	Mx	.002	2.04
46	MP3B	X	1.997	3.04
47	MP3B	Z	-1.153	3.04
48	MP3B	Mx	.002	3.04
49	MP3C	X	5.101	2.04
50	MP3C	Z	-2.945	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	5.101	3.04
53	MP3C	Z	-2.945	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	7.502	.54
56	MP5A	Z	-4.331	.54
57	MP5A	Mx	-.006	.54
58	MP5A	X	7.502	4.54
59	MP5A	Z	-4.331	4.54
60	MP5A	Mx	-.006	4.54
61	MP5B	X	7.502	.54
62	MP5B	Z	-4.331	.54
63	MP5B	Mx	-.006	.54
64	MP5B	X	7.502	4.54
65	MP5B	Z	-4.331	4.54
66	MP5B	Mx	-.006	4.54
67	MP5C	X	7.502	.54
68	MP5C	Z	-4.331	.54
69	MP5C	Mx	-.006	.54
70	MP5C	X	7.502	4.54
71	MP5C	Z	-4.331	4.54
72	MP5C	Mx	-.006	4.54
73	MP4A	X	.767	2
74	MP4A	Z	-.443	2
75	MP4A	Mx	-.000575	2
76	MP4B	X	.379	2
77	MP4B	Z	-.219	2
78	MP4B	Mx	.000328	2
79	MP4C	X	1.932	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	-1.115	2
81	MP4C	Mx	0	2
82	MP1A	X	3.05	2
83	MP1A	Z	-1.761	2
84	MP1A	Mx	.002	2
85	MP1B	X	2.713	2
86	MP1B	Z	-1.566	2
87	MP1B	Mx	-.002	2
88	MP1C	X	4.059	2
89	MP1C	Z	-2.343	2
90	MP1C	Mx	0	2
91	MP2A	X	2.663	2
92	MP2A	Z	-1.538	2
93	MP2A	Mx	.001	2
94	MP2B	X	2.198	2
95	MP2B	Z	-1.269	2
96	MP2B	Mx	-.001	2
97	MP2C	X	4.059	2
98	MP2C	Z	-2.343	2
99	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.498	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	-.006	.54
4	MP1A	X	7.498	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	-.006	4.54
7	MP1B	X	8.478	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	.003	.54
10	MP1B	X	8.478	4.54
11	MP1B	Z	0	4.54
12	MP1B	Mx	.003	4.54
13	MP1C	X	10.437	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	.01	.54
16	MP1C	X	10.437	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	.01	4.54
19	MP1A	X	7.498	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	-.006	.54
22	MP1A	X	7.498	4.54
23	MP1A	Z	0	4.54
24	MP1A	Mx	-.006	4.54
25	MP1B	X	8.478	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	.008	.54
28	MP1B	X	8.478	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	.008	4.54
31	MP1C	X	10.437	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	-.002	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	10.437	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	-.002	4.54
37	MP3A	X	2.306	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	-.002	2.04
40	MP3A	X	2.306	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	-.002	3.04
43	MP3B	X	3.202	2.04
44	MP3B	Z	0	2.04
45	MP3B	Mx	.002	2.04
46	MP3B	X	3.202	3.04
47	MP3B	Z	0	3.04
48	MP3B	Mx	.002	3.04
49	MP3C	X	4.994	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	.002	2.04
52	MP3C	X	4.994	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	.002	3.04
55	MP5A	X	7.695	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	-.006	.54
58	MP5A	X	7.695	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	-.006	4.54
61	MP5B	X	7.695	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	-.006	.54
64	MP5B	X	7.695	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	-.006	4.54
67	MP5C	X	7.695	.54
68	MP5C	Z	0	.54
69	MP5C	Mx	-.006	.54
70	MP5C	X	7.695	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	-.006	4.54
73	MP4A	X	.437	2
74	MP4A	Z	0	2
75	MP4A	Mx	-.000328	2
76	MP4B	X	.886	2
77	MP4B	Z	0	2
78	MP4B	Mx	.000575	2
79	MP4C	X	1.782	2
80	MP4C	Z	0	2
81	MP4C	Mx	.000668	2
82	MP1A	X	3.133	2
83	MP1A	Z	0	2
84	MP1A	Mx	.002	2
85	MP1B	X	3.521	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.002	2
88	MP1C	X	4.298	2
89	MP1C	Z	0	2
90	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2A	X	2.538	2
92	MP2A	Z	0	2
93	MP2A	Mx	.001	2
94	MP2B	X	3.075	2
95	MP2B	Z	0	2
96	MP2B	Mx	-.001	2
97	MP2C	X	4.15	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.342	.54
2	MP1A	Z	4.239	.54
3	MP1A	Mx	-.003	.54
4	MP1A	X	7.342	4.54
5	MP1A	Z	4.239	4.54
6	MP1A	Mx	-.003	4.54
7	MP1B	X	9.039	.54
8	MP1B	Z	5.219	.54
9	MP1B	Mx	-.002	.54
10	MP1B	X	9.039	4.54
11	MP1B	Z	5.219	4.54
12	MP1B	Mx	-.002	4.54
13	MP1C	X	7.342	.54
14	MP1C	Z	4.239	.54
15	MP1C	Mx	.008	.54
16	MP1C	X	7.342	4.54
17	MP1C	Z	4.239	4.54
18	MP1C	Mx	.008	4.54
19	MP1A	X	7.342	.54
20	MP1A	Z	4.239	.54
21	MP1A	Mx	-.008	.54
22	MP1A	X	7.342	4.54
23	MP1A	Z	4.239	4.54
24	MP1A	Mx	-.008	4.54
25	MP1B	X	9.039	.54
26	MP1B	Z	5.219	.54
27	MP1B	Mx	.01	.54
28	MP1B	X	9.039	4.54
29	MP1B	Z	5.219	4.54
30	MP1B	Mx	.01	4.54
31	MP1C	X	7.342	.54
32	MP1C	Z	4.239	.54
33	MP1C	Mx	.003	.54
34	MP1C	X	7.342	4.54
35	MP1C	Z	4.239	4.54
36	MP1C	Mx	.003	4.54
37	MP3A	X	2.773	2.04
38	MP3A	Z	1.601	2.04
39	MP3A	Mx	-.002	2.04
40	MP3A	X	2.773	3.04
41	MP3A	Z	1.601	3.04
42	MP3A	Mx	-.002	3.04
43	MP3B	X	4.325	2.04
44	MP3B	Z	2.497	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.002	2.04
46	MP3B	X	4.325	3.04
47	MP3B	Z	2.497	3.04
48	MP3B	Mx	.002	3.04
49	MP3C	X	2.773	2.04
50	MP3C	Z	1.601	2.04
51	MP3C	Mx	.002	2.04
52	MP3C	X	2.773	3.04
53	MP3C	Z	1.601	3.04
54	MP3C	Mx	.002	3.04
55	MP5A	X	7.502	.54
56	MP5A	Z	4.331	.54
57	MP5A	Mx	-.006	.54
58	MP5A	X	7.502	4.54
59	MP5A	Z	4.331	4.54
60	MP5A	Mx	-.006	4.54
61	MP5B	X	7.502	.54
62	MP5B	Z	4.331	.54
63	MP5B	Mx	-.006	.54
64	MP5B	X	7.502	4.54
65	MP5B	Z	4.331	4.54
66	MP5B	Mx	-.006	4.54
67	MP5C	X	7.502	.54
68	MP5C	Z	4.331	.54
69	MP5C	Mx	-.006	.54
70	MP5C	X	7.502	4.54
71	MP5C	Z	4.331	4.54
72	MP5C	Mx	-.006	4.54
73	MP4A	X	.767	2
74	MP4A	Z	.443	2
75	MP4A	Mx	-.000575	2
76	MP4B	X	1.544	2
77	MP4B	Z	.891	2
78	MP4B	Mx	.000669	2
79	MP4C	X	.767	2
80	MP4C	Z	.443	2
81	MP4C	Mx	.000575	2
82	MP1A	X	3.05	2
83	MP1A	Z	1.761	2
84	MP1A	Mx	.002	2
85	MP1B	X	3.723	2
86	MP1B	Z	2.149	2
87	MP1B	Mx	-.001	2
88	MP1C	X	3.05	2
89	MP1C	Z	1.761	2
90	MP1C	Mx	-.002	2
91	MP2A	X	2.663	2
92	MP2A	Z	1.538	2
93	MP2A	Mx	.001	2
94	MP2B	X	3.594	2
95	MP2B	Z	2.075	2
96	MP2B	Mx	-.001	2
97	MP2C	X	2.663	2
98	MP2C	Z	1.538	2
99	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.219	.54
2	MP1A	Z	9.039	.54
3	MP1A	Mx	.002	.54
4	MP1A	X	5.219	4.54
5	MP1A	Z	9.039	4.54
6	MP1A	Mx	.002	4.54
7	MP1B	X	5.708	.54
8	MP1B	Z	9.887	.54
9	MP1B	Mx	-.008	.54
10	MP1B	X	5.708	4.54
11	MP1B	Z	9.887	4.54
12	MP1B	Mx	-.008	4.54
13	MP1C	X	3.749	.54
14	MP1C	Z	6.494	.54
15	MP1C	Mx	.006	.54
16	MP1C	X	3.749	4.54
17	MP1C	Z	6.494	4.54
18	MP1C	Mx	.006	4.54
19	MP1A	X	5.219	.54
20	MP1A	Z	9.039	.54
21	MP1A	Mx	-.01	.54
22	MP1A	X	5.219	4.54
23	MP1A	Z	9.039	4.54
24	MP1A	Mx	-.01	4.54
25	MP1B	X	5.708	.54
26	MP1B	Z	9.887	.54
27	MP1B	Mx	.008	.54
28	MP1B	X	5.708	4.54
29	MP1B	Z	9.887	4.54
30	MP1B	Mx	.008	4.54
31	MP1C	X	3.749	.54
32	MP1C	Z	6.494	.54
33	MP1C	Mx	.006	.54
34	MP1C	X	3.749	4.54
35	MP1C	Z	6.494	4.54
36	MP1C	Mx	.006	4.54
37	MP3A	X	2.497	2.04
38	MP3A	Z	4.325	2.04
39	MP3A	Mx	-.002	2.04
40	MP3A	X	2.497	3.04
41	MP3A	Z	4.325	3.04
42	MP3A	Mx	-.002	3.04
43	MP3B	X	2.945	2.04
44	MP3B	Z	5.101	2.04
45	MP3B	Mx	0	2.04
46	MP3B	X	2.945	3.04
47	MP3B	Z	5.101	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	1.153	2.04
50	MP3C	Z	1.997	2.04
51	MP3C	Mx	.002	2.04
52	MP3C	X	1.153	3.04
53	MP3C	Z	1.997	3.04
54	MP3C	Mx	.002	3.04
55	MP5A	X	5.299	.54
56	MP5A	Z	9.179	.54
57	MP5A	Mx	-.004	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	5.299	4.54
59	MP5A	Z	9.179	4.54
60	MP5A	Mx	-.004	4.54
61	MP5B	X	5.299	.54
62	MP5B	Z	9.179	.54
63	MP5B	Mx	-.004	.54
64	MP5B	X	5.299	4.54
65	MP5B	Z	9.179	4.54
66	MP5B	Mx	-.004	4.54
67	MP5C	X	5.299	.54
68	MP5C	Z	9.179	.54
69	MP5C	Mx	-.004	.54
70	MP5C	X	5.299	4.54
71	MP5C	Z	9.179	4.54
72	MP5C	Mx	-.004	4.54
73	MP4A	X	.891	2
74	MP4A	Z	1.544	2
75	MP4A	Mx	-.000668	2
76	MP4B	X	1.115	2
77	MP4B	Z	1.932	2
78	MP4B	Mx	0	2
79	MP4C	X	.219	2
80	MP4C	Z	.379	2
81	MP4C	Mx	.000328	2
82	MP1A	X	2.149	2
83	MP1A	Z	3.723	2
84	MP1A	Mx	.001	2
85	MP1B	X	2.343	2
86	MP1B	Z	4.059	2
87	MP1B	Mx	0	2
88	MP1C	X	1.566	2
89	MP1C	Z	2.713	2
90	MP1C	Mx	-.002	2
91	MP2A	X	2.075	2
92	MP2A	Z	3.594	2
93	MP2A	Mx	.001	2
94	MP2B	X	2.343	2
95	MP2B	Z	4.059	2
96	MP2B	Mx	0	2
97	MP2C	X	1.269	2
98	MP2C	Z	2.198	2
99	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.54
2	MP1A	Z	11.417	.54
3	MP1A	Mx	.008	.54
4	MP1A	X	0	4.54
5	MP1A	Z	11.417	4.54
6	MP1A	Mx	.008	4.54
7	MP1B	X	0	.54
8	MP1B	Z	10.437	.54
9	MP1B	Mx	-.01	.54
10	MP1B	X	0	4.54
11	MP1B	Z	10.437	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.01	4.54
13	MP1C	X	0	.54
14	MP1C	Z	8.478	.54
15	MP1C	Mx	.003	.54
16	MP1C	X	0	4.54
17	MP1C	Z	8.478	4.54
18	MP1C	Mx	.003	4.54
19	MP1A	X	0	.54
20	MP1A	Z	11.417	.54
21	MP1A	Mx	-.008	.54
22	MP1A	X	0	4.54
23	MP1A	Z	11.417	4.54
24	MP1A	Mx	-.008	4.54
25	MP1B	X	0	.54
26	MP1B	Z	10.437	.54
27	MP1B	Mx	.002	.54
28	MP1B	X	0	4.54
29	MP1B	Z	10.437	4.54
30	MP1B	Mx	.002	4.54
31	MP1C	X	0	.54
32	MP1C	Z	8.478	.54
33	MP1C	Mx	.008	.54
34	MP1C	X	0	4.54
35	MP1C	Z	8.478	4.54
36	MP1C	Mx	.008	4.54
37	MP3A	X	0	2.04
38	MP3A	Z	5.89	2.04
39	MP3A	Mx	0	2.04
40	MP3A	X	0	3.04
41	MP3A	Z	5.89	3.04
42	MP3A	Mx	0	3.04
43	MP3B	X	0	2.04
44	MP3B	Z	4.994	2.04
45	MP3B	Mx	-.002	2.04
46	MP3B	X	0	3.04
47	MP3B	Z	4.994	3.04
48	MP3B	Mx	-.002	3.04
49	MP3C	X	0	2.04
50	MP3C	Z	3.202	2.04
51	MP3C	Mx	.002	2.04
52	MP3C	X	0	3.04
53	MP3C	Z	3.202	3.04
54	MP3C	Mx	.002	3.04
55	MP5A	X	0	.54
56	MP5A	Z	11.567	.54
57	MP5A	Mx	0	.54
58	MP5A	X	0	4.54
59	MP5A	Z	11.567	4.54
60	MP5A	Mx	0	4.54
61	MP5B	X	0	.54
62	MP5B	Z	11.567	.54
63	MP5B	Mx	0	.54
64	MP5B	X	0	4.54
65	MP5B	Z	11.567	4.54
66	MP5B	Mx	0	4.54
67	MP5C	X	0	.54
68	MP5C	Z	11.567	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	0	.54
70	MP5C	X	0	4.54
71	MP5C	Z	11.567	4.54
72	MP5C	Mx	0	4.54
73	MP4A	X	0	2
74	MP4A	Z	2.231	2
75	MP4A	Mx	0	2
76	MP4B	X	0	2
77	MP4B	Z	1.782	2
78	MP4B	Mx	-.000668	2
79	MP4C	X	0	2
80	MP4C	Z	.886	2
81	MP4C	Mx	.000575	2
82	MP1A	X	0	2
83	MP1A	Z	4.687	2
84	MP1A	Mx	0	2
85	MP1B	X	0	2
86	MP1B	Z	4.298	2
87	MP1B	Mx	.001	2
88	MP1C	X	0	2
89	MP1C	Z	3.521	2
90	MP1C	Mx	-.002	2
91	MP2A	X	0	2
92	MP2A	Z	4.687	2
93	MP2A	Mx	0	2
94	MP2B	X	0	2
95	MP2B	Z	4.15	2
96	MP2B	Mx	.001	2
97	MP2C	X	0	2
98	MP2C	Z	3.075	2
99	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.219	.54
2	MP1A	Z	9.039	.54
3	MP1A	Mx	.01	.54
4	MP1A	X	-5.219	4.54
5	MP1A	Z	9.039	4.54
6	MP1A	Mx	.01	4.54
7	MP1B	X	-4.239	.54
8	MP1B	Z	7.342	.54
9	MP1B	Mx	-.008	.54
10	MP1B	X	-4.239	4.54
11	MP1B	Z	7.342	4.54
12	MP1B	Mx	-.008	4.54
13	MP1C	X	-5.219	.54
14	MP1C	Z	9.039	.54
15	MP1C	Mx	-.002	.54
16	MP1C	X	-5.219	4.54
17	MP1C	Z	9.039	4.54
18	MP1C	Mx	-.002	4.54
19	MP1A	X	-5.219	.54
20	MP1A	Z	9.039	.54
21	MP1A	Mx	-.002	.54
22	MP1A	X	-5.219	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	9.039	4.54
24	MP1A	Mx	-.002	4.54
25	MP1B	X	-4.239	.54
26	MP1B	Z	7.342	.54
27	MP1B	Mx	-.003	.54
28	MP1B	X	-4.239	4.54
29	MP1B	Z	7.342	4.54
30	MP1B	Mx	-.003	4.54
31	MP1C	X	-5.219	.54
32	MP1C	Z	9.039	.54
33	MP1C	Mx	.01	.54
34	MP1C	X	-5.219	4.54
35	MP1C	Z	9.039	4.54
36	MP1C	Mx	.01	4.54
37	MP3A	X	-2.497	2.04
38	MP3A	Z	4.325	2.04
39	MP3A	Mx	.002	2.04
40	MP3A	X	-2.497	3.04
41	MP3A	Z	4.325	3.04
42	MP3A	Mx	.002	3.04
43	MP3B	X	-1.601	2.04
44	MP3B	Z	2.773	2.04
45	MP3B	Mx	-.002	2.04
46	MP3B	X	-1.601	3.04
47	MP3B	Z	2.773	3.04
48	MP3B	Mx	-.002	3.04
49	MP3C	X	-2.497	2.04
50	MP3C	Z	4.325	2.04
51	MP3C	Mx	.002	2.04
52	MP3C	X	-2.497	3.04
53	MP3C	Z	4.325	3.04
54	MP3C	Mx	.002	3.04
55	MP5A	X	-5.299	.54
56	MP5A	Z	9.179	.54
57	MP5A	Mx	.004	.54
58	MP5A	X	-5.299	4.54
59	MP5A	Z	9.179	4.54
60	MP5A	Mx	.004	4.54
61	MP5B	X	-5.299	.54
62	MP5B	Z	9.179	.54
63	MP5B	Mx	.004	.54
64	MP5B	X	-5.299	4.54
65	MP5B	Z	9.179	4.54
66	MP5B	Mx	.004	4.54
67	MP5C	X	-5.299	.54
68	MP5C	Z	9.179	.54
69	MP5C	Mx	.004	.54
70	MP5C	X	-5.299	4.54
71	MP5C	Z	9.179	4.54
72	MP5C	Mx	.004	4.54
73	MP4A	X	-.891	2
74	MP4A	Z	1.544	2
75	MP4A	Mx	.000668	2
76	MP4B	X	-.443	2
77	MP4B	Z	.767	2
78	MP4B	Mx	-.000575	2
79	MP4C	X	-.891	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	1.544	2
81	MP4C	Mx	.000669	2
82	MP1A	X	-2.149	2
83	MP1A	Z	3.723	2
84	MP1A	Mx	-.001	2
85	MP1B	X	-1.761	2
86	MP1B	Z	3.05	2
87	MP1B	Mx	.002	2
88	MP1C	X	-2.149	2
89	MP1C	Z	3.723	2
90	MP1C	Mx	-.001	2
91	MP2A	X	-2.075	2
92	MP2A	Z	3.594	2
93	MP2A	Mx	-.001	2
94	MP2B	X	-1.538	2
95	MP2B	Z	2.663	2
96	MP2B	Mx	.001	2
97	MP2C	X	-2.075	2
98	MP2C	Z	3.594	2
99	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.342	.54
2	MP1A	Z	4.239	.54
3	MP1A	Mx	.008	.54
4	MP1A	X	-7.342	4.54
5	MP1A	Z	4.239	4.54
6	MP1A	Mx	.008	4.54
7	MP1B	X	-6.494	.54
8	MP1B	Z	3.749	.54
9	MP1B	Mx	-.006	.54
10	MP1B	X	-6.494	4.54
11	MP1B	Z	3.749	4.54
12	MP1B	Mx	-.006	4.54
13	MP1C	X	-9.887	.54
14	MP1C	Z	5.708	.54
15	MP1C	Mx	-.008	.54
16	MP1C	X	-9.887	4.54
17	MP1C	Z	5.708	4.54
18	MP1C	Mx	-.008	4.54
19	MP1A	X	-7.342	.54
20	MP1A	Z	4.239	.54
21	MP1A	Mx	.003	.54
22	MP1A	X	-7.342	4.54
23	MP1A	Z	4.239	4.54
24	MP1A	Mx	.003	4.54
25	MP1B	X	-6.494	.54
26	MP1B	Z	3.749	.54
27	MP1B	Mx	-.006	.54
28	MP1B	X	-6.494	4.54
29	MP1B	Z	3.749	4.54
30	MP1B	Mx	-.006	4.54
31	MP1C	X	-9.887	.54
32	MP1C	Z	5.708	.54
33	MP1C	Mx	.008	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	-9.887	4.54
35	MP1C	Z	5.708	4.54
36	MP1C	Mx	.008	4.54
37	MP3A	X	-2.773	2.04
38	MP3A	Z	1.601	2.04
39	MP3A	Mx	.002	2.04
40	MP3A	X	-2.773	3.04
41	MP3A	Z	1.601	3.04
42	MP3A	Mx	.002	3.04
43	MP3B	X	-1.997	2.04
44	MP3B	Z	1.153	2.04
45	MP3B	Mx	-.002	2.04
46	MP3B	X	-1.997	3.04
47	MP3B	Z	1.153	3.04
48	MP3B	Mx	-.002	3.04
49	MP3C	X	-5.101	2.04
50	MP3C	Z	2.945	2.04
51	MP3C	Mx	0	2.04
52	MP3C	X	-5.101	3.04
53	MP3C	Z	2.945	3.04
54	MP3C	Mx	0	3.04
55	MP5A	X	-7.502	.54
56	MP5A	Z	4.331	.54
57	MP5A	Mx	.006	.54
58	MP5A	X	-7.502	4.54
59	MP5A	Z	4.331	4.54
60	MP5A	Mx	.006	4.54
61	MP5B	X	-7.502	.54
62	MP5B	Z	4.331	.54
63	MP5B	Mx	.006	.54
64	MP5B	X	-7.502	4.54
65	MP5B	Z	4.331	4.54
66	MP5B	Mx	.006	4.54
67	MP5C	X	-7.502	.54
68	MP5C	Z	4.331	.54
69	MP5C	Mx	.006	.54
70	MP5C	X	-7.502	4.54
71	MP5C	Z	4.331	4.54
72	MP5C	Mx	.006	4.54
73	MP4A	X	-.767	2
74	MP4A	Z	.443	2
75	MP4A	Mx	.000575	2
76	MP4B	X	-.379	2
77	MP4B	Z	.219	2
78	MP4B	Mx	-.000328	2
79	MP4C	X	-1.932	2
80	MP4C	Z	1.115	2
81	MP4C	Mx	0	2
82	MP1A	X	-3.05	2
83	MP1A	Z	1.761	2
84	MP1A	Mx	-.002	2
85	MP1B	X	-2.713	2
86	MP1B	Z	1.566	2
87	MP1B	Mx	.002	2
88	MP1C	X	-4.059	2
89	MP1C	Z	2.343	2
90	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP2A	X	-2.663	2
92	MP2A	Z	1.538	2
93	MP2A	Mx	-.001	2
94	MP2B	X	-2.198	2
95	MP2B	Z	1.269	2
96	MP2B	Mx	.001	2
97	MP2C	X	-4.059	2
98	MP2C	Z	2.343	2
99	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.498	.54
2	MP1A	Z	0	.54
3	MP1A	Mx	.006	.54
4	MP1A	X	-7.498	4.54
5	MP1A	Z	0	4.54
6	MP1A	Mx	.006	4.54
7	MP1B	X	-8.478	.54
8	MP1B	Z	0	.54
9	MP1B	Mx	-.003	.54
10	MP1B	X	-8.478	4.54
11	MP1B	Z	0	4.54
12	MP1B	Mx	-.003	4.54
13	MP1C	X	-10.437	.54
14	MP1C	Z	0	.54
15	MP1C	Mx	-.01	.54
16	MP1C	X	-10.437	4.54
17	MP1C	Z	0	4.54
18	MP1C	Mx	-.01	4.54
19	MP1A	X	-7.498	.54
20	MP1A	Z	0	.54
21	MP1A	Mx	.006	.54
22	MP1A	X	-7.498	4.54
23	MP1A	Z	0	4.54
24	MP1A	Mx	.006	4.54
25	MP1B	X	-8.478	.54
26	MP1B	Z	0	.54
27	MP1B	Mx	-.008	.54
28	MP1B	X	-8.478	4.54
29	MP1B	Z	0	4.54
30	MP1B	Mx	-.008	4.54
31	MP1C	X	-10.437	.54
32	MP1C	Z	0	.54
33	MP1C	Mx	.002	.54
34	MP1C	X	-10.437	4.54
35	MP1C	Z	0	4.54
36	MP1C	Mx	.002	4.54
37	MP3A	X	-2.306	2.04
38	MP3A	Z	0	2.04
39	MP3A	Mx	.002	2.04
40	MP3A	X	-2.306	3.04
41	MP3A	Z	0	3.04
42	MP3A	Mx	.002	3.04
43	MP3B	X	-3.202	2.04
44	MP3B	Z	0	2.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.002	2.04
46	MP3B	X	-3.202	3.04
47	MP3B	Z	0	3.04
48	MP3B	Mx	-.002	3.04
49	MP3C	X	-4.994	2.04
50	MP3C	Z	0	2.04
51	MP3C	Mx	-.002	2.04
52	MP3C	X	-4.994	3.04
53	MP3C	Z	0	3.04
54	MP3C	Mx	-.002	3.04
55	MP5A	X	-7.695	.54
56	MP5A	Z	0	.54
57	MP5A	Mx	.006	.54
58	MP5A	X	-7.695	4.54
59	MP5A	Z	0	4.54
60	MP5A	Mx	.006	4.54
61	MP5B	X	-7.695	.54
62	MP5B	Z	0	.54
63	MP5B	Mx	.006	.54
64	MP5B	X	-7.695	4.54
65	MP5B	Z	0	4.54
66	MP5B	Mx	.006	4.54
67	MP5C	X	-7.695	.54
68	MP5C	Z	0	.54
69	MP5C	Mx	.006	.54
70	MP5C	X	-7.695	4.54
71	MP5C	Z	0	4.54
72	MP5C	Mx	.006	4.54
73	MP4A	X	-.437	2
74	MP4A	Z	0	2
75	MP4A	Mx	.000328	2
76	MP4B	X	-.886	2
77	MP4B	Z	0	2
78	MP4B	Mx	-.000575	2
79	MP4C	X	-1.782	2
80	MP4C	Z	0	2
81	MP4C	Mx	-.000668	2
82	MP1A	X	-3.133	2
83	MP1A	Z	0	2
84	MP1A	Mx	-.002	2
85	MP1B	X	-3.521	2
86	MP1B	Z	0	2
87	MP1B	Mx	.002	2
88	MP1C	X	-4.298	2
89	MP1C	Z	0	2
90	MP1C	Mx	.001	2
91	MP2A	X	-2.538	2
92	MP2A	Z	0	2
93	MP2A	Mx	-.001	2
94	MP2B	X	-3.075	2
95	MP2B	Z	0	2
96	MP2B	Mx	.001	2
97	MP2C	X	-4.15	2
98	MP2C	Z	0	2
99	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.342	.54
2	MP1A	Z	-4.239	.54
3	MP1A	Mx	.003	.54
4	MP1A	X	-7.342	4.54
5	MP1A	Z	-4.239	4.54
6	MP1A	Mx	.003	4.54
7	MP1B	X	-9.039	.54
8	MP1B	Z	-5.219	.54
9	MP1B	Mx	.002	.54
10	MP1B	X	-9.039	4.54
11	MP1B	Z	-5.219	4.54
12	MP1B	Mx	.002	4.54
13	MP1C	X	-7.342	.54
14	MP1C	Z	-4.239	.54
15	MP1C	Mx	-.008	.54
16	MP1C	X	-7.342	4.54
17	MP1C	Z	-4.239	4.54
18	MP1C	Mx	-.008	4.54
19	MP1A	X	-7.342	.54
20	MP1A	Z	-4.239	.54
21	MP1A	Mx	.008	.54
22	MP1A	X	-7.342	4.54
23	MP1A	Z	-4.239	4.54
24	MP1A	Mx	.008	4.54
25	MP1B	X	-9.039	.54
26	MP1B	Z	-5.219	.54
27	MP1B	Mx	-.01	.54
28	MP1B	X	-9.039	4.54
29	MP1B	Z	-5.219	4.54
30	MP1B	Mx	-.01	4.54
31	MP1C	X	-7.342	.54
32	MP1C	Z	-4.239	.54
33	MP1C	Mx	-.003	.54
34	MP1C	X	-7.342	4.54
35	MP1C	Z	-4.239	4.54
36	MP1C	Mx	-.003	4.54
37	MP3A	X	-2.773	2.04
38	MP3A	Z	-1.601	2.04
39	MP3A	Mx	.002	2.04
40	MP3A	X	-2.773	3.04
41	MP3A	Z	-1.601	3.04
42	MP3A	Mx	.002	3.04
43	MP3B	X	-4.325	2.04
44	MP3B	Z	-2.497	2.04
45	MP3B	Mx	-.002	2.04
46	MP3B	X	-4.325	3.04
47	MP3B	Z	-2.497	3.04
48	MP3B	Mx	-.002	3.04
49	MP3C	X	-2.773	2.04
50	MP3C	Z	-1.601	2.04
51	MP3C	Mx	-.002	2.04
52	MP3C	X	-2.773	3.04
53	MP3C	Z	-1.601	3.04
54	MP3C	Mx	-.002	3.04
55	MP5A	X	-7.502	.54
56	MP5A	Z	-4.331	.54
57	MP5A	Mx	.006	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP5A	X	-7.502	4.54
59	MP5A	Z	-4.331	4.54
60	MP5A	Mx	.006	4.54
61	MP5B	X	-7.502	.54
62	MP5B	Z	-4.331	.54
63	MP5B	Mx	.006	.54
64	MP5B	X	-7.502	4.54
65	MP5B	Z	-4.331	4.54
66	MP5B	Mx	.006	4.54
67	MP5C	X	-7.502	.54
68	MP5C	Z	-4.331	.54
69	MP5C	Mx	.006	.54
70	MP5C	X	-7.502	4.54
71	MP5C	Z	-4.331	4.54
72	MP5C	Mx	.006	4.54
73	MP4A	X	-.767	2
74	MP4A	Z	-.443	2
75	MP4A	Mx	.000575	2
76	MP4B	X	-1.544	2
77	MP4B	Z	-.891	2
78	MP4B	Mx	-.000669	2
79	MP4C	X	-.767	2
80	MP4C	Z	-.443	2
81	MP4C	Mx	-.000575	2
82	MP1A	X	-3.05	2
83	MP1A	Z	-1.761	2
84	MP1A	Mx	-.002	2
85	MP1B	X	-3.723	2
86	MP1B	Z	-2.149	2
87	MP1B	Mx	.001	2
88	MP1C	X	-3.05	2
89	MP1C	Z	-1.761	2
90	MP1C	Mx	.002	2
91	MP2A	X	-2.663	2
92	MP2A	Z	-1.538	2
93	MP2A	Mx	-.001	2
94	MP2B	X	-3.594	2
95	MP2B	Z	-2.075	2
96	MP2B	Mx	.001	2
97	MP2C	X	-2.663	2
98	MP2C	Z	-1.538	2
99	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.219	.54
2	MP1A	Z	-9.039	.54
3	MP1A	Mx	-.002	.54
4	MP1A	X	-5.219	4.54
5	MP1A	Z	-9.039	4.54
6	MP1A	Mx	-.002	4.54
7	MP1B	X	-5.708	.54
8	MP1B	Z	-9.887	.54
9	MP1B	Mx	.008	.54
10	MP1B	X	-5.708	4.54
11	MP1B	Z	-9.887	4.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.008	4.54
13	MP1C	X	-3.749	.54
14	MP1C	Z	-6.494	.54
15	MP1C	Mx	-.006	.54
16	MP1C	X	-3.749	4.54
17	MP1C	Z	-6.494	4.54
18	MP1C	Mx	-.006	4.54
19	MP1A	X	-5.219	.54
20	MP1A	Z	-9.039	.54
21	MP1A	Mx	.01	.54
22	MP1A	X	-5.219	4.54
23	MP1A	Z	-9.039	4.54
24	MP1A	Mx	.01	4.54
25	MP1B	X	-5.708	.54
26	MP1B	Z	-9.887	.54
27	MP1B	Mx	-.008	.54
28	MP1B	X	-5.708	4.54
29	MP1B	Z	-9.887	4.54
30	MP1B	Mx	-.008	4.54
31	MP1C	X	-3.749	.54
32	MP1C	Z	-6.494	.54
33	MP1C	Mx	-.006	.54
34	MP1C	X	-3.749	4.54
35	MP1C	Z	-6.494	4.54
36	MP1C	Mx	-.006	4.54
37	MP3A	X	-2.497	2.04
38	MP3A	Z	-4.325	2.04
39	MP3A	Mx	.002	2.04
40	MP3A	X	-2.497	3.04
41	MP3A	Z	-4.325	3.04
42	MP3A	Mx	.002	3.04
43	MP3B	X	-2.945	2.04
44	MP3B	Z	-5.101	2.04
45	MP3B	Mx	0	2.04
46	MP3B	X	-2.945	3.04
47	MP3B	Z	-5.101	3.04
48	MP3B	Mx	0	3.04
49	MP3C	X	-1.153	2.04
50	MP3C	Z	-1.997	2.04
51	MP3C	Mx	-.002	2.04
52	MP3C	X	-1.153	3.04
53	MP3C	Z	-1.997	3.04
54	MP3C	Mx	-.002	3.04
55	MP5A	X	-5.299	.54
56	MP5A	Z	-9.179	.54
57	MP5A	Mx	.004	.54
58	MP5A	X	-5.299	4.54
59	MP5A	Z	-9.179	4.54
60	MP5A	Mx	.004	4.54
61	MP5B	X	-5.299	.54
62	MP5B	Z	-9.179	.54
63	MP5B	Mx	.004	.54
64	MP5B	X	-5.299	4.54
65	MP5B	Z	-9.179	4.54
66	MP5B	Mx	.004	4.54
67	MP5C	X	-5.299	.54
68	MP5C	Z	-9.179	.54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5C	Mx	.004	.54
70	MP5C	X	-5.299	4.54
71	MP5C	Z	-9.179	4.54
72	MP5C	Mx	.004	4.54
73	MP4A	X	-.891	2
74	MP4A	Z	-1.544	2
75	MP4A	Mx	.000668	2
76	MP4B	X	-1.115	2
77	MP4B	Z	-1.932	2
78	MP4B	Mx	0	2
79	MP4C	X	-.219	2
80	MP4C	Z	-.379	2
81	MP4C	Mx	-.000328	2
82	MP1A	X	-2.149	2
83	MP1A	Z	-3.723	2
84	MP1A	Mx	-.001	2
85	MP1B	X	-2.343	2
86	MP1B	Z	-4.059	2
87	MP1B	Mx	0	2
88	MP1C	X	-1.566	2
89	MP1C	Z	-2.713	2
90	MP1C	Mx	.002	2
91	MP2A	X	-2.075	2
92	MP2A	Z	-3.594	2
93	MP2A	Mx	-.001	2
94	MP2B	X	-2.343	2
95	MP2B	Z	-4.059	2
96	MP2B	Mx	0	2
97	MP2C	X	-1.269	2
98	MP2C	Z	-2.198	2
99	MP2C	Mx	.001	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-500	%52

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-500	%96

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	-9.284	-9.284	0	%100
2	M2	Y	-10.252	-10.252	0	%100
3	M5	Y	-4.789	-4.789	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,%]
4	M6	Y	-4.789	-4.789	0	%100
5	M7	Y	-4.789	-4.789	0	%100
6	M6A	Y	-7.347	-7.347	0	%100
7	M7A	Y	-7.347	-7.347	0	%100
8	M23A	Y	-7.347	-7.347	0	%100
9	M24	Y	-7.347	-7.347	0	%100
10	M39A	Y	-7.347	-7.347	0	%100
11	M40	Y	-7.347	-7.347	0	%100
12	M55	Y	-10.252	-10.252	0	%100
13	M56	Y	-10.252	-10.252	0	%100
14	M74A	Y	-9.284	-9.284	0	%100
15	M75A	Y	-9.284	-9.284	0	%100
16	M22	Y	-4.789	-4.789	0	%100
17	MP5A	Y	-4.789	-4.789	0	%100
18	MP1A	Y	-5.473	-5.473	0	%100
19	MP2A	Y	-4.789	-4.789	0	%100
20	MP4A	Y	-4.789	-4.789	0	%100
21	MP3A	Y	-4.789	-4.789	0	%100
22	MP5C	Y	-4.789	-4.789	0	%100
23	MP1C	Y	-5.473	-5.473	0	%100
24	MP2C	Y	-4.789	-4.789	0	%100
25	MP4C	Y	-4.789	-4.789	0	%100
26	MP3C	Y	-4.789	-4.789	0	%100
27	MP5B	Y	-4.789	-4.789	0	%100
28	MP1B	Y	-5.473	-5.473	0	%100
29	MP2B	Y	-4.789	-4.789	0	%100
30	MP4B	Y	-4.789	-4.789	0	%100
31	MP3B	Y	-4.789	-4.789	0	%100
32	M74	Y	-6.378	-6.378	0	%100
33	M75	Y	-6.378	-6.378	0	%100
34	M74B	Y	-4.789	-4.789	0	%100
35	M75B	Y	-4.789	-4.789	0	%100
36	M72	Y	-6.378	-6.378	0	%100
37	M73	Y	-6.378	-6.378	0	%100
38	M74C	Y	-6.378	-6.378	0	%100
39	M75C	Y	-6.378	-6.378	0	%100
40	M78	Y	-6.378	-6.378	0	%100
41	M81	Y	-6.378	-6.378	0	%100
42	M84	Y	-6.378	-6.378	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	-6.442	-6.442	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-6.442	-6.442	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-20.051	-20.051	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-20.051	-20.051	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,%]
15	M23A	X	0	0	0	%100
16	M23A	Z	-5.013	-5.013	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-5.013	-5.013	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-5.013	-5.013	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-5.013	-5.013	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-11.166	-11.166	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-11.166	-11.166	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	-8.633	-8.633	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-8.633	-8.633	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-9.524	-9.524	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	-9.524	-9.524	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	-11.529	-11.529	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-9.524	-9.524	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-9.524	-9.524	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-9.524	-9.524	0	%100
43	MP5C	X	0	0	0	%100
44	MP5C	Z	-9.524	-9.524	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-11.529	-11.529	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-9.524	-9.524	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	-9.524	-9.524	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-9.524	-9.524	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	-9.524	-9.524	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-11.529	-11.529	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-9.524	-9.524	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-9.524	-9.524	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-9.524	-9.524	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-1.32	-1.32	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-13.829	-13.829	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	-2.381	-2.381	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	-2.381	-2.381	0	%100
71	M72	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	M72	Z	-11.72	-11.72	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-11.748	-11.748	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	-13.856	-13.856	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	-1.308	-1.308	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	-2.647	-2.647	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-3.335	-3.335	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-11.925	-11.925	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.439	1.439	0	%100
2	M1	Z	-2.492	-2.492	0	%100
3	M2	X	1.861	1.861	0	%100
4	M2	Z	-3.223	-3.223	0	%100
5	M5	X	1.074	1.074	0	%100
6	M5	Z	-1.86	-1.86	0	%100
7	M6	X	1.074	1.074	0	%100
8	M6	Z	-1.86	-1.86	0	%100
9	M7	X	4.295	4.295	0	%100
10	M7	Z	-7.439	-7.439	0	%100
11	M6A	X	7.519	7.519	0	%100
12	M6A	Z	-13.024	-13.024	0	%100
13	M7A	X	7.519	7.519	0	%100
14	M7A	Z	-13.024	-13.024	0	%100
15	M23A	X	7.519	7.519	0	%100
16	M23A	Z	-13.024	-13.024	0	%100
17	M24	X	7.519	7.519	0	%100
18	M24	Z	-13.024	-13.024	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	1.861	1.861	0	%100
24	M55	Z	-3.223	-3.223	0	%100
25	M56	X	7.444	7.444	0	%100
26	M56	Z	-12.893	-12.893	0	%100
27	M74A	X	1.439	1.439	0	%100
28	M74A	Z	-2.492	-2.492	0	%100
29	M75A	X	5.756	5.756	0	%100
30	M75A	Z	-9.969	-9.969	0	%100
31	M22	X	3.572	3.572	0	%100
32	M22	Z	-6.186	-6.186	0	%100
33	MP5A	X	4.762	4.762	0	%100
34	MP5A	Z	-8.248	-8.248	0	%100
35	MP1A	X	5.765	5.765	0	%100
36	MP1A	Z	-9.985	-9.985	0	%100
37	MP2A	X	4.762	4.762	0	%100
38	MP2A	Z	-8.248	-8.248	0	%100
39	MP4A	X	4.762	4.762	0	%100
40	MP4A	Z	-8.248	-8.248	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,%]
41	MP3A	X	4.762	4.762	0	%100
42	MP3A	Z	-8.248	-8.248	0	%100
43	MP5C	X	4.762	4.762	0	%100
44	MP5C	Z	-8.248	-8.248	0	%100
45	MP1C	X	5.765	5.765	0	%100
46	MP1C	Z	-9.985	-9.985	0	%100
47	MP2C	X	4.762	4.762	0	%100
48	MP2C	Z	-8.248	-8.248	0	%100
49	MP4C	X	4.762	4.762	0	%100
50	MP4C	Z	-8.248	-8.248	0	%100
51	MP3C	X	4.762	4.762	0	%100
52	MP3C	Z	-8.248	-8.248	0	%100
53	MP5B	X	4.762	4.762	0	%100
54	MP5B	Z	-8.248	-8.248	0	%100
55	MP1B	X	5.765	5.765	0	%100
56	MP1B	Z	-9.985	-9.985	0	%100
57	MP2B	X	4.762	4.762	0	%100
58	MP2B	Z	-8.248	-8.248	0	%100
59	MP4B	X	4.762	4.762	0	%100
60	MP4B	Z	-8.248	-8.248	0	%100
61	MP3B	X	4.762	4.762	0	%100
62	MP3B	Z	-8.248	-8.248	0	%100
63	M74	X	3.105	3.105	0	%100
64	M74	Z	-5.378	-5.378	0	%100
65	M75	X	3.088	3.088	0	%100
66	M75	Z	-5.348	-5.348	0	%100
67	M74B	X	3.572	3.572	0	%100
68	M74B	Z	-6.186	-6.186	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	2.037	2.037	0	%100
72	M72	Z	-3.529	-3.529	0	%100
73	M73	X	8.308	8.308	0	%100
74	M73	Z	-14.39	-14.39	0	%100
75	M74C	X	8.305	8.305	0	%100
76	M74C	Z	-14.385	-14.385	0	%100
77	M75C	X	2.047	2.047	0	%100
78	M75C	Z	-3.546	-3.546	0	%100
79	M78	X	4.302	4.302	0	%100
80	M78	Z	-7.451	-7.451	0	%100
81	M81	X	.007	.007	0	%100
82	M81	Z	-.011	-.011	0	%100
83	M84	X	4.645	4.645	0	%100
84	M84	Z	-8.046	-8.046	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	7.477	7.477	0	%100
2	M1	Z	-4.317	-4.317	0	%100
3	M2	X	9.67	9.67	0	%100
4	M2	Z	-5.583	-5.583	0	%100
5	M5	X	5.579	5.579	0	%100
6	M5	Z	-3.221	-3.221	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	5.579	5.579	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,%]
10	M7	Z	-3.221	-3.221	0	%100
11	M6A	X	4.341	4.341	0	%100
12	M6A	Z	-2.506	-2.506	0	%100
13	M7A	X	4.341	4.341	0	%100
14	M7A	Z	-2.506	-2.506	0	%100
15	M23A	X	17.365	17.365	0	%100
16	M23A	Z	-10.026	-10.026	0	%100
17	M24	X	17.365	17.365	0	%100
18	M24	Z	-10.026	-10.026	0	%100
19	M39A	X	4.341	4.341	0	%100
20	M39A	Z	-2.506	-2.506	0	%100
21	M40	X	4.341	4.341	0	%100
22	M40	Z	-2.506	-2.506	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	9.67	9.67	0	%100
26	M56	Z	-5.583	-5.583	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	7.477	7.477	0	%100
30	M75A	Z	-4.317	-4.317	0	%100
31	M22	X	2.062	2.062	0	%100
32	M22	Z	-1.191	-1.191	0	%100
33	MP5A	X	8.248	8.248	0	%100
34	MP5A	Z	-4.762	-4.762	0	%100
35	MP1A	X	9.985	9.985	0	%100
36	MP1A	Z	-5.765	-5.765	0	%100
37	MP2A	X	8.248	8.248	0	%100
38	MP2A	Z	-4.762	-4.762	0	%100
39	MP4A	X	8.248	8.248	0	%100
40	MP4A	Z	-4.762	-4.762	0	%100
41	MP3A	X	8.248	8.248	0	%100
42	MP3A	Z	-4.762	-4.762	0	%100
43	MP5C	X	8.248	8.248	0	%100
44	MP5C	Z	-4.762	-4.762	0	%100
45	MP1C	X	9.985	9.985	0	%100
46	MP1C	Z	-5.765	-5.765	0	%100
47	MP2C	X	8.248	8.248	0	%100
48	MP2C	Z	-4.762	-4.762	0	%100
49	MP4C	X	8.248	8.248	0	%100
50	MP4C	Z	-4.762	-4.762	0	%100
51	MP3C	X	8.248	8.248	0	%100
52	MP3C	Z	-4.762	-4.762	0	%100
53	MP5B	X	8.248	8.248	0	%100
54	MP5B	Z	-4.762	-4.762	0	%100
55	MP1B	X	9.985	9.985	0	%100
56	MP1B	Z	-5.765	-5.765	0	%100
57	MP2B	X	8.248	8.248	0	%100
58	MP2B	Z	-4.762	-4.762	0	%100
59	MP4B	X	8.248	8.248	0	%100
60	MP4B	Z	-4.762	-4.762	0	%100
61	MP3B	X	8.248	8.248	0	%100
62	MP3B	Z	-4.762	-4.762	0	%100
63	M74	X	11.999	11.999	0	%100
64	M74	Z	-6.928	-6.928	0	%100
65	M75	X	1.132	1.132	0	%100
66	M75	Z	-.654	-.654	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,%]
67	M74B	X	8.248	8.248	0	%100
68	M74B	Z	-4.762	-4.762	0	%100
69	M75B	X	2.062	2.062	0	%100
70	M75B	Z	-1.191	-1.191	0	%100
71	M72	X	1.143	1.143	0	%100
72	M72	Z	-.66	-.66	0	%100
73	M73	X	11.976	11.976	0	%100
74	M73	Z	-6.915	-6.915	0	%100
75	M74C	X	10.15	10.15	0	%100
76	M74C	Z	-5.86	-5.86	0	%100
77	M75C	X	10.174	10.174	0	%100
78	M75C	Z	-5.874	-5.874	0	%100
79	M78	X	10.327	10.327	0	%100
80	M78	Z	-5.962	-5.962	0	%100
81	M81	X	2.293	2.293	0	%100
82	M81	Z	-1.324	-1.324	0	%100
83	M84	X	2.888	2.888	0	%100
84	M84	Z	-1.667	-1.667	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	11.511	11.511	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	14.888	14.888	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	8.59	8.59	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	2.147	2.147	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	2.147	2.147	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	15.038	15.038	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	15.038	15.038	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	15.038	15.038	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	15.038	15.038	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	3.722	3.722	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	3.722	3.722	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	2.878	2.878	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	2.878	2.878	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	9.524	9.524	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	11.529	11.529	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,%]
36	MP1A	Z	0	0	0	%100
37	MP2A	X	9.524	9.524	0	%100
38	MP2A	Z	0	0	0	%100
39	MP4A	X	9.524	9.524	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	9.524	9.524	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	9.524	9.524	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	11.529	11.529	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	9.524	9.524	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	9.524	9.524	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	9.524	9.524	0	%100
52	MP3C	Z	0	0	0	%100
53	MP5B	X	9.524	9.524	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	11.529	11.529	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	9.524	9.524	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	9.524	9.524	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	9.524	9.524	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	16.61	16.61	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	4.094	4.094	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	7.143	7.143	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	7.143	7.143	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	6.21	6.21	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	6.175	6.175	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	4.074	4.074	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	16.616	16.616	0	%100
78	M75C	Z	0	0	0	%100
79	M78	X	9.291	9.291	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	8.603	8.603	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	.013	.013	0	%100
84	M84	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	7.477	7.477	0	%100
2	M1	Z	4.317	4.317	0	%100
3	M2	X	9.67	9.67	0	%100
4	M2	Z	5.583	5.583	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,%]
5	M5	X	5.579	5.579	0	%100
6	M5	Z	3.221	3.221	0	%100
7	M6	X	5.579	5.579	0	%100
8	M6	Z	3.221	3.221	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	4.341	4.341	0	%100
12	M6A	Z	2.506	2.506	0	%100
13	M7A	X	4.341	4.341	0	%100
14	M7A	Z	2.506	2.506	0	%100
15	M23A	X	4.341	4.341	0	%100
16	M23A	Z	2.506	2.506	0	%100
17	M24	X	4.341	4.341	0	%100
18	M24	Z	2.506	2.506	0	%100
19	M39A	X	17.365	17.365	0	%100
20	M39A	Z	10.026	10.026	0	%100
21	M40	X	17.365	17.365	0	%100
22	M40	Z	10.026	10.026	0	%100
23	M55	X	9.67	9.67	0	%100
24	M55	Z	5.583	5.583	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	7.477	7.477	0	%100
28	M74A	Z	4.317	4.317	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	2.062	2.062	0	%100
32	M22	Z	1.191	1.191	0	%100
33	MP5A	X	8.248	8.248	0	%100
34	MP5A	Z	4.762	4.762	0	%100
35	MP1A	X	9.985	9.985	0	%100
36	MP1A	Z	5.765	5.765	0	%100
37	MP2A	X	8.248	8.248	0	%100
38	MP2A	Z	4.762	4.762	0	%100
39	MP4A	X	8.248	8.248	0	%100
40	MP4A	Z	4.762	4.762	0	%100
41	MP3A	X	8.248	8.248	0	%100
42	MP3A	Z	4.762	4.762	0	%100
43	MP5C	X	8.248	8.248	0	%100
44	MP5C	Z	4.762	4.762	0	%100
45	MP1C	X	9.985	9.985	0	%100
46	MP1C	Z	5.765	5.765	0	%100
47	MP2C	X	8.248	8.248	0	%100
48	MP2C	Z	4.762	4.762	0	%100
49	MP4C	X	8.248	8.248	0	%100
50	MP4C	Z	4.762	4.762	0	%100
51	MP3C	X	8.248	8.248	0	%100
52	MP3C	Z	4.762	4.762	0	%100
53	MP5B	X	8.248	8.248	0	%100
54	MP5B	Z	4.762	4.762	0	%100
55	MP1B	X	9.985	9.985	0	%100
56	MP1B	Z	5.765	5.765	0	%100
57	MP2B	X	8.248	8.248	0	%100
58	MP2B	Z	4.762	4.762	0	%100
59	MP4B	X	8.248	8.248	0	%100
60	MP4B	Z	4.762	4.762	0	%100
61	MP3B	X	8.248	8.248	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,%]
62	MP3B	Z	4.762	4.762	0	%100
63	M74	X	10.15	10.15	0	%100
64	M74	Z	5.86	5.86	0	%100
65	M75	X	10.174	10.174	0	%100
66	M75	Z	5.874	5.874	0	%100
67	M74B	X	2.062	2.062	0	%100
68	M74B	Z	1.191	1.191	0	%100
69	M75B	X	8.248	8.248	0	%100
70	M75B	Z	4.762	4.762	0	%100
71	M72	X	11.999	11.999	0	%100
72	M72	Z	6.928	6.928	0	%100
73	M73	X	1.132	1.132	0	%100
74	M73	Z	.654	.654	0	%100
75	M74C	X	1.143	1.143	0	%100
76	M74C	Z	.66	.66	0	%100
77	M75C	X	11.976	11.976	0	%100
78	M75C	Z	6.915	6.915	0	%100
79	M78	X	2.888	2.888	0	%100
80	M78	Z	1.667	1.667	0	%100
81	M81	X	10.327	10.327	0	%100
82	M81	Z	5.962	5.962	0	%100
83	M84	X	2.293	2.293	0	%100
84	M84	Z	1.324	1.324	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	1.439	1.439	0	%100
2	M1	Z	2.492	2.492	0	%100
3	M2	X	1.861	1.861	0	%100
4	M2	Z	3.223	3.223	0	%100
5	M5	X	1.074	1.074	0	%100
6	M5	Z	1.86	1.86	0	%100
7	M6	X	4.295	4.295	0	%100
8	M6	Z	7.439	7.439	0	%100
9	M7	X	1.074	1.074	0	%100
10	M7	Z	1.86	1.86	0	%100
11	M6A	X	7.519	7.519	0	%100
12	M6A	Z	13.024	13.024	0	%100
13	M7A	X	7.519	7.519	0	%100
14	M7A	Z	13.024	13.024	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	7.519	7.519	0	%100
20	M39A	Z	13.024	13.024	0	%100
21	M40	X	7.519	7.519	0	%100
22	M40	Z	13.024	13.024	0	%100
23	M55	X	7.444	7.444	0	%100
24	M55	Z	12.893	12.893	0	%100
25	M56	X	1.861	1.861	0	%100
26	M56	Z	3.223	3.223	0	%100
27	M74A	X	5.756	5.756	0	%100
28	M74A	Z	9.969	9.969	0	%100
29	M75A	X	1.439	1.439	0	%100
30	M75A	Z	2.492	2.492	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,%]
31	M22	X	3.572	3.572	0	%100
32	M22	Z	6.186	6.186	0	%100
33	MP5A	X	4.762	4.762	0	%100
34	MP5A	Z	8.248	8.248	0	%100
35	MP1A	X	5.765	5.765	0	%100
36	MP1A	Z	9.985	9.985	0	%100
37	MP2A	X	4.762	4.762	0	%100
38	MP2A	Z	8.248	8.248	0	%100
39	MP4A	X	4.762	4.762	0	%100
40	MP4A	Z	8.248	8.248	0	%100
41	MP3A	X	4.762	4.762	0	%100
42	MP3A	Z	8.248	8.248	0	%100
43	MP5C	X	4.762	4.762	0	%100
44	MP5C	Z	8.248	8.248	0	%100
45	MP1C	X	5.765	5.765	0	%100
46	MP1C	Z	9.985	9.985	0	%100
47	MP2C	X	4.762	4.762	0	%100
48	MP2C	Z	8.248	8.248	0	%100
49	MP4C	X	4.762	4.762	0	%100
50	MP4C	Z	8.248	8.248	0	%100
51	MP3C	X	4.762	4.762	0	%100
52	MP3C	Z	8.248	8.248	0	%100
53	MP5B	X	4.762	4.762	0	%100
54	MP5B	Z	8.248	8.248	0	%100
55	MP1B	X	5.765	5.765	0	%100
56	MP1B	Z	9.985	9.985	0	%100
57	MP2B	X	4.762	4.762	0	%100
58	MP2B	Z	8.248	8.248	0	%100
59	MP4B	X	4.762	4.762	0	%100
60	MP4B	Z	8.248	8.248	0	%100
61	MP3B	X	4.762	4.762	0	%100
62	MP3B	Z	8.248	8.248	0	%100
63	M74	X	2.037	2.037	0	%100
64	M74	Z	3.529	3.529	0	%100
65	M75	X	8.308	8.308	0	%100
66	M75	Z	14.39	14.39	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	3.572	3.572	0	%100
70	M75B	Z	6.186	6.186	0	%100
71	M72	X	8.305	8.305	0	%100
72	M72	Z	14.385	14.385	0	%100
73	M73	X	2.047	2.047	0	%100
74	M73	Z	3.546	3.546	0	%100
75	M74C	X	3.105	3.105	0	%100
76	M74C	Z	5.378	5.378	0	%100
77	M75C	X	3.088	3.088	0	%100
78	M75C	Z	5.348	5.348	0	%100
79	M78	X	.007	.007	0	%100
80	M78	Z	.011	.011	0	%100
81	M81	X	4.645	4.645	0	%100
82	M81	Z	8.046	8.046	0	%100
83	M84	X	4.302	4.302	0	%100
84	M84	Z	7.451	7.451	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,%]

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,%]
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	6.442	6.442	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	6.442	6.442	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	20.051	20.051	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	20.051	20.051	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	5.013	5.013	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	5.013	5.013	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	5.013	5.013	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	5.013	5.013	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	11.166	11.166	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	11.166	11.166	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	8.633	8.633	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	8.633	8.633	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	9.524	9.524	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	9.524	9.524	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	11.529	11.529	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	9.524	9.524	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	9.524	9.524	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	9.524	9.524	0	%100
43	MP5C	X	0	0	0	%100
44	MP5C	Z	9.524	9.524	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	11.529	11.529	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	9.524	9.524	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	9.524	9.524	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	9.524	9.524	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	9.524	9.524	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	11.529	11.529	0	%100
57	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2B	Z	9.524	9.524	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	9.524	9.524	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	9.524	9.524	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	1.32	1.32	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	13.829	13.829	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	2.381	2.381	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	2.381	2.381	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	11.72	11.72	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	11.748	11.748	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	13.856	13.856	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	1.308	1.308	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	2.647	2.647	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	3.335	3.335	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	11.925	11.925	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	-1.439	-1.439	0	%100
2	M1	Z	2.492	2.492	0	%100
3	M2	X	-1.861	-1.861	0	%100
4	M2	Z	3.223	3.223	0	%100
5	M5	X	-1.074	-1.074	0	%100
6	M5	Z	1.86	1.86	0	%100
7	M6	X	-1.074	-1.074	0	%100
8	M6	Z	1.86	1.86	0	%100
9	M7	X	-4.295	-4.295	0	%100
10	M7	Z	7.439	7.439	0	%100
11	M6A	X	-7.519	-7.519	0	%100
12	M6A	Z	13.024	13.024	0	%100
13	M7A	X	-7.519	-7.519	0	%100
14	M7A	Z	13.024	13.024	0	%100
15	M23A	X	-7.519	-7.519	0	%100
16	M23A	Z	13.024	13.024	0	%100
17	M24	X	-7.519	-7.519	0	%100
18	M24	Z	13.024	13.024	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	-1.861	-1.861	0	%100
24	M55	Z	3.223	3.223	0	%100
25	M56	X	-7.444	-7.444	0	%100
26	M56	Z	12.893	12.893	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,%]
27	M74A	X	-1.439	-1.439	0	%100
28	M74A	Z	2.492	2.492	0	%100
29	M75A	X	-5.756	-5.756	0	%100
30	M75A	Z	9.969	9.969	0	%100
31	M22	X	-3.572	-3.572	0	%100
32	M22	Z	6.186	6.186	0	%100
33	MP5A	X	-4.762	-4.762	0	%100
34	MP5A	Z	8.248	8.248	0	%100
35	MP1A	X	-5.765	-5.765	0	%100
36	MP1A	Z	9.985	9.985	0	%100
37	MP2A	X	-4.762	-4.762	0	%100
38	MP2A	Z	8.248	8.248	0	%100
39	MP4A	X	-4.762	-4.762	0	%100
40	MP4A	Z	8.248	8.248	0	%100
41	MP3A	X	-4.762	-4.762	0	%100
42	MP3A	Z	8.248	8.248	0	%100
43	MP5C	X	-4.762	-4.762	0	%100
44	MP5C	Z	8.248	8.248	0	%100
45	MP1C	X	-5.765	-5.765	0	%100
46	MP1C	Z	9.985	9.985	0	%100
47	MP2C	X	-4.762	-4.762	0	%100
48	MP2C	Z	8.248	8.248	0	%100
49	MP4C	X	-4.762	-4.762	0	%100
50	MP4C	Z	8.248	8.248	0	%100
51	MP3C	X	-4.762	-4.762	0	%100
52	MP3C	Z	8.248	8.248	0	%100
53	MP5B	X	-4.762	-4.762	0	%100
54	MP5B	Z	8.248	8.248	0	%100
55	MP1B	X	-5.765	-5.765	0	%100
56	MP1B	Z	9.985	9.985	0	%100
57	MP2B	X	-4.762	-4.762	0	%100
58	MP2B	Z	8.248	8.248	0	%100
59	MP4B	X	-4.762	-4.762	0	%100
60	MP4B	Z	8.248	8.248	0	%100
61	MP3B	X	-4.762	-4.762	0	%100
62	MP3B	Z	8.248	8.248	0	%100
63	M74	X	-3.105	-3.105	0	%100
64	M74	Z	5.378	5.378	0	%100
65	M75	X	-3.088	-3.088	0	%100
66	M75	Z	5.348	5.348	0	%100
67	M74B	X	-3.572	-3.572	0	%100
68	M74B	Z	6.186	6.186	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-2.037	-2.037	0	%100
72	M72	Z	3.529	3.529	0	%100
73	M73	X	-8.308	-8.308	0	%100
74	M73	Z	14.39	14.39	0	%100
75	M74C	X	-8.305	-8.305	0	%100
76	M74C	Z	14.385	14.385	0	%100
77	M75C	X	-2.047	-2.047	0	%100
78	M75C	Z	3.546	3.546	0	%100
79	M78	X	-4.302	-4.302	0	%100
80	M78	Z	7.451	7.451	0	%100
81	M81	X	-.007	-.007	0	%100
82	M81	Z	.011	.011	0	%100
83	M84	X	-4.645	-4.645	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,%]
84	M84	Z	8.046	8.046	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	-7.477	-7.477	0	%100
2	M1	Z	4.317	4.317	0	%100
3	M2	X	-9.67	-9.67	0	%100
4	M2	Z	5.583	5.583	0	%100
5	M5	X	-5.579	-5.579	0	%100
6	M5	Z	3.221	3.221	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-5.579	-5.579	0	%100
10	M7	Z	3.221	3.221	0	%100
11	M6A	X	-4.341	-4.341	0	%100
12	M6A	Z	2.506	2.506	0	%100
13	M7A	X	-4.341	-4.341	0	%100
14	M7A	Z	2.506	2.506	0	%100
15	M23A	X	-17.365	-17.365	0	%100
16	M23A	Z	10.026	10.026	0	%100
17	M24	X	-17.365	-17.365	0	%100
18	M24	Z	10.026	10.026	0	%100
19	M39A	X	-4.341	-4.341	0	%100
20	M39A	Z	2.506	2.506	0	%100
21	M40	X	-4.341	-4.341	0	%100
22	M40	Z	2.506	2.506	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-9.67	-9.67	0	%100
26	M56	Z	5.583	5.583	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-7.477	-7.477	0	%100
30	M75A	Z	4.317	4.317	0	%100
31	M22	X	-2.062	-2.062	0	%100
32	M22	Z	1.191	1.191	0	%100
33	MP5A	X	-8.248	-8.248	0	%100
34	MP5A	Z	4.762	4.762	0	%100
35	MP1A	X	-9.985	-9.985	0	%100
36	MP1A	Z	5.765	5.765	0	%100
37	MP2A	X	-8.248	-8.248	0	%100
38	MP2A	Z	4.762	4.762	0	%100
39	MP4A	X	-8.248	-8.248	0	%100
40	MP4A	Z	4.762	4.762	0	%100
41	MP3A	X	-8.248	-8.248	0	%100
42	MP3A	Z	4.762	4.762	0	%100
43	MP5C	X	-8.248	-8.248	0	%100
44	MP5C	Z	4.762	4.762	0	%100
45	MP1C	X	-9.985	-9.985	0	%100
46	MP1C	Z	5.765	5.765	0	%100
47	MP2C	X	-8.248	-8.248	0	%100
48	MP2C	Z	4.762	4.762	0	%100
49	MP4C	X	-8.248	-8.248	0	%100
50	MP4C	Z	4.762	4.762	0	%100
51	MP3C	X	-8.248	-8.248	0	%100
52	MP3C	Z	4.762	4.762	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,%]
53	MP5B	X	-8.248	-8.248	0	%100
54	MP5B	Z	4.762	4.762	0	%100
55	MP1B	X	-9.985	-9.985	0	%100
56	MP1B	Z	5.765	5.765	0	%100
57	MP2B	X	-8.248	-8.248	0	%100
58	MP2B	Z	4.762	4.762	0	%100
59	MP4B	X	-8.248	-8.248	0	%100
60	MP4B	Z	4.762	4.762	0	%100
61	MP3B	X	-8.248	-8.248	0	%100
62	MP3B	Z	4.762	4.762	0	%100
63	M74	X	-11.999	-11.999	0	%100
64	M74	Z	6.928	6.928	0	%100
65	M75	X	-1.132	-1.132	0	%100
66	M75	Z	.654	.654	0	%100
67	M74B	X	-8.248	-8.248	0	%100
68	M74B	Z	4.762	4.762	0	%100
69	M75B	X	-2.062	-2.062	0	%100
70	M75B	Z	1.191	1.191	0	%100
71	M72	X	-1.143	-1.143	0	%100
72	M72	Z	.66	.66	0	%100
73	M73	X	-11.976	-11.976	0	%100
74	M73	Z	6.915	6.915	0	%100
75	M74C	X	-10.15	-10.15	0	%100
76	M74C	Z	5.86	5.86	0	%100
77	M75C	X	-10.174	-10.174	0	%100
78	M75C	Z	5.874	5.874	0	%100
79	M78	X	-10.327	-10.327	0	%100
80	M78	Z	5.962	5.962	0	%100
81	M81	X	-2.293	-2.293	0	%100
82	M81	Z	1.324	1.324	0	%100
83	M84	X	-2.888	-2.888	0	%100
84	M84	Z	1.667	1.667	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	-11.511	-11.511	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-14.888	-14.888	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-8.59	-8.59	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-2.147	-2.147	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-2.147	-2.147	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	-15.038	-15.038	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-15.038	-15.038	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-15.038	-15.038	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-15.038	-15.038	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,%]
22	M40	Z	0	0	0	%100
23	M55	X	-3.722	-3.722	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-3.722	-3.722	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-2.878	-2.878	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-2.878	-2.878	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	-9.524	-9.524	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	-11.529	-11.529	0	%100
36	MP1A	Z	0	0	0	%100
37	MP2A	X	-9.524	-9.524	0	%100
38	MP2A	Z	0	0	0	%100
39	MP4A	X	-9.524	-9.524	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	-9.524	-9.524	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	-9.524	-9.524	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	-11.529	-11.529	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-9.524	-9.524	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	-9.524	-9.524	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	-9.524	-9.524	0	%100
52	MP3C	Z	0	0	0	%100
53	MP5B	X	-9.524	-9.524	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	-11.529	-11.529	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	-9.524	-9.524	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	-9.524	-9.524	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	-9.524	-9.524	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	-16.61	-16.61	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-4.094	-4.094	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	-7.143	-7.143	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-7.143	-7.143	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-6.21	-6.21	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-6.175	-6.175	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	-4.074	-4.074	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	-16.616	-16.616	0	%100
78	M75C	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,%]
79	M78	X	-9.291	-9.291	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	-8.603	-8.603	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	-.013	-.013	0	%100
84	M84	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	-7.477	-7.477	0	%100
2	M1	Z	-4.317	-4.317	0	%100
3	M2	X	-9.67	-9.67	0	%100
4	M2	Z	-5.583	-5.583	0	%100
5	M5	X	-5.579	-5.579	0	%100
6	M5	Z	-3.221	-3.221	0	%100
7	M6	X	-5.579	-5.579	0	%100
8	M6	Z	-3.221	-3.221	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-4.341	-4.341	0	%100
12	M6A	Z	-2.506	-2.506	0	%100
13	M7A	X	-4.341	-4.341	0	%100
14	M7A	Z	-2.506	-2.506	0	%100
15	M23A	X	-4.341	-4.341	0	%100
16	M23A	Z	-2.506	-2.506	0	%100
17	M24	X	-4.341	-4.341	0	%100
18	M24	Z	-2.506	-2.506	0	%100
19	M39A	X	-17.365	-17.365	0	%100
20	M39A	Z	-10.026	-10.026	0	%100
21	M40	X	-17.365	-17.365	0	%100
22	M40	Z	-10.026	-10.026	0	%100
23	M55	X	-9.67	-9.67	0	%100
24	M55	Z	-5.583	-5.583	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-7.477	-7.477	0	%100
28	M74A	Z	-4.317	-4.317	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	-2.062	-2.062	0	%100
32	M22	Z	-1.191	-1.191	0	%100
33	MP5A	X	-8.248	-8.248	0	%100
34	MP5A	Z	-4.762	-4.762	0	%100
35	MP1A	X	-9.985	-9.985	0	%100
36	MP1A	Z	-5.765	-5.765	0	%100
37	MP2A	X	-8.248	-8.248	0	%100
38	MP2A	Z	-4.762	-4.762	0	%100
39	MP4A	X	-8.248	-8.248	0	%100
40	MP4A	Z	-4.762	-4.762	0	%100
41	MP3A	X	-8.248	-8.248	0	%100
42	MP3A	Z	-4.762	-4.762	0	%100
43	MP5C	X	-8.248	-8.248	0	%100
44	MP5C	Z	-4.762	-4.762	0	%100
45	MP1C	X	-9.985	-9.985	0	%100
46	MP1C	Z	-5.765	-5.765	0	%100
47	MP2C	X	-8.248	-8.248	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,%]
48	MP2C	Z	-4.762	-4.762	0	%100
49	MP4C	X	-8.248	-8.248	0	%100
50	MP4C	Z	-4.762	-4.762	0	%100
51	MP3C	X	-8.248	-8.248	0	%100
52	MP3C	Z	-4.762	-4.762	0	%100
53	MP5B	X	-8.248	-8.248	0	%100
54	MP5B	Z	-4.762	-4.762	0	%100
55	MP1B	X	-9.985	-9.985	0	%100
56	MP1B	Z	-5.765	-5.765	0	%100
57	MP2B	X	-8.248	-8.248	0	%100
58	MP2B	Z	-4.762	-4.762	0	%100
59	MP4B	X	-8.248	-8.248	0	%100
60	MP4B	Z	-4.762	-4.762	0	%100
61	MP3B	X	-8.248	-8.248	0	%100
62	MP3B	Z	-4.762	-4.762	0	%100
63	M74	X	-10.15	-10.15	0	%100
64	M74	Z	-5.86	-5.86	0	%100
65	M75	X	-10.174	-10.174	0	%100
66	M75	Z	-5.874	-5.874	0	%100
67	M74B	X	-2.062	-2.062	0	%100
68	M74B	Z	-1.191	-1.191	0	%100
69	M75B	X	-8.248	-8.248	0	%100
70	M75B	Z	-4.762	-4.762	0	%100
71	M72	X	-11.999	-11.999	0	%100
72	M72	Z	-6.928	-6.928	0	%100
73	M73	X	-1.132	-1.132	0	%100
74	M73	Z	-.654	-.654	0	%100
75	M74C	X	-1.143	-1.143	0	%100
76	M74C	Z	-.66	-.66	0	%100
77	M75C	X	-11.976	-11.976	0	%100
78	M75C	Z	-6.915	-6.915	0	%100
79	M78	X	-2.888	-2.888	0	%100
80	M78	Z	-1.667	-1.667	0	%100
81	M81	X	-10.327	-10.327	0	%100
82	M81	Z	-5.962	-5.962	0	%100
83	M84	X	-2.293	-2.293	0	%100
84	M84	Z	-1.324	-1.324	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	-1.439	-1.439	0	%100
2	M1	Z	-2.492	-2.492	0	%100
3	M2	X	-1.861	-1.861	0	%100
4	M2	Z	-3.223	-3.223	0	%100
5	M5	X	-1.074	-1.074	0	%100
6	M5	Z	-1.86	-1.86	0	%100
7	M6	X	-4.295	-4.295	0	%100
8	M6	Z	-7.439	-7.439	0	%100
9	M7	X	-1.074	-1.074	0	%100
10	M7	Z	-1.86	-1.86	0	%100
11	M6A	X	-7.519	-7.519	0	%100
12	M6A	Z	-13.024	-13.024	0	%100
13	M7A	X	-7.519	-7.519	0	%100
14	M7A	Z	-13.024	-13.024	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	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,%]
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-7.519	-7.519	0	%100
20	M39A	Z	-13.024	-13.024	0	%100
21	M40	X	-7.519	-7.519	0	%100
22	M40	Z	-13.024	-13.024	0	%100
23	M55	X	-7.444	-7.444	0	%100
24	M55	Z	-12.893	-12.893	0	%100
25	M56	X	-1.861	-1.861	0	%100
26	M56	Z	-3.223	-3.223	0	%100
27	M74A	X	-5.756	-5.756	0	%100
28	M74A	Z	-9.969	-9.969	0	%100
29	M75A	X	-1.439	-1.439	0	%100
30	M75A	Z	-2.492	-2.492	0	%100
31	M22	X	-3.572	-3.572	0	%100
32	M22	Z	-6.186	-6.186	0	%100
33	MP5A	X	-4.762	-4.762	0	%100
34	MP5A	Z	-8.248	-8.248	0	%100
35	MP1A	X	-5.765	-5.765	0	%100
36	MP1A	Z	-9.985	-9.985	0	%100
37	MP2A	X	-4.762	-4.762	0	%100
38	MP2A	Z	-8.248	-8.248	0	%100
39	MP4A	X	-4.762	-4.762	0	%100
40	MP4A	Z	-8.248	-8.248	0	%100
41	MP3A	X	-4.762	-4.762	0	%100
42	MP3A	Z	-8.248	-8.248	0	%100
43	MP5C	X	-4.762	-4.762	0	%100
44	MP5C	Z	-8.248	-8.248	0	%100
45	MP1C	X	-5.765	-5.765	0	%100
46	MP1C	Z	-9.985	-9.985	0	%100
47	MP2C	X	-4.762	-4.762	0	%100
48	MP2C	Z	-8.248	-8.248	0	%100
49	MP4C	X	-4.762	-4.762	0	%100
50	MP4C	Z	-8.248	-8.248	0	%100
51	MP3C	X	-4.762	-4.762	0	%100
52	MP3C	Z	-8.248	-8.248	0	%100
53	MP5B	X	-4.762	-4.762	0	%100
54	MP5B	Z	-8.248	-8.248	0	%100
55	MP1B	X	-5.765	-5.765	0	%100
56	MP1B	Z	-9.985	-9.985	0	%100
57	MP2B	X	-4.762	-4.762	0	%100
58	MP2B	Z	-8.248	-8.248	0	%100
59	MP4B	X	-4.762	-4.762	0	%100
60	MP4B	Z	-8.248	-8.248	0	%100
61	MP3B	X	-4.762	-4.762	0	%100
62	MP3B	Z	-8.248	-8.248	0	%100
63	M74	X	-2.037	-2.037	0	%100
64	M74	Z	-3.529	-3.529	0	%100
65	M75	X	-8.308	-8.308	0	%100
66	M75	Z	-14.39	-14.39	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-3.572	-3.572	0	%100
70	M75B	Z	-6.186	-6.186	0	%100
71	M72	X	-8.305	-8.305	0	%100
72	M72	Z	-14.385	-14.385	0	%100
73	M73	X	-2.047	-2.047	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,%]
74	M73	Z	-3.546	-3.546	0	%100
75	M74C	X	-3.105	-3.105	0	%100
76	M74C	Z	-5.378	-5.378	0	%100
77	M75C	X	-3.088	-3.088	0	%100
78	M75C	Z	-5.348	-5.348	0	%100
79	M78	X	-.007	-.007	0	%100
80	M78	Z	-.011	-.011	0	%100
81	M81	X	-4.645	-4.645	0	%100
82	M81	Z	-8.046	-8.046	0	%100
83	M84	X	-4.302	-4.302	0	%100
84	M84	Z	-7.451	-7.451	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	-2.2	-2.2	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-2.2	-2.2	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-5.042	-5.042	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-5.042	-5.042	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-1.261	-1.261	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-1.261	-1.261	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-1.261	-1.261	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-1.261	-1.261	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-2.793	-2.793	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-2.793	-2.793	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	-2.263	-2.263	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-2.263	-2.263	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-3.215	-3.215	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	-3.215	-3.215	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	-3.563	-3.563	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-3.215	-3.215	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-3.215	-3.215	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-3.215	-3.215	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,%]
43	MP5C	X	0	0	0	%100
44	MP5C	Z	-3.215	-3.215	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-3.563	-3.563	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-3.215	-3.215	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	-3.215	-3.215	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-3.215	-3.215	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	-3.215	-3.215	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-3.563	-3.563	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-3.215	-3.215	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-3.215	-3.215	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-3.215	-3.215	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-.352	-.352	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-3.693	-3.693	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	-.804	-.804	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	-.804	-.804	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-3.13	-3.13	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-3.137	-3.137	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	-3.7	-3.7	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	-.349	-.349	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	-.702	-.702	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-.884	-.884	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-3.161	-3.161	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	.377	.377	0	%100
2	M1	Z	-.653	-.653	0	%100
3	M2	X	.466	.466	0	%100
4	M2	Z	-.806	-.806	0	%100
5	M5	X	.367	.367	0	%100
6	M5	Z	-.635	-.635	0	%100
7	M6	X	.367	.367	0	%100
8	M6	Z	-.635	-.635	0	%100
9	M7	X	1.466	1.466	0	%100
10	M7	Z	-2.54	-2.54	0	%100
11	M6A	X	1.891	1.891	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,%]
12	M6A	Z	-3.275	-3.275	0	%100
13	M7A	X	1.891	1.891	0	%100
14	M7A	Z	-3.275	-3.275	0	%100
15	M23A	X	1.891	1.891	0	%100
16	M23A	Z	-3.275	-3.275	0	%100
17	M24	X	1.891	1.891	0	%100
18	M24	Z	-3.275	-3.275	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	.466	.466	0	%100
24	M55	Z	-.806	-.806	0	%100
25	M56	X	1.862	1.862	0	%100
26	M56	Z	-3.226	-3.226	0	%100
27	M74A	X	.377	.377	0	%100
28	M74A	Z	-.653	-.653	0	%100
29	M75A	X	1.509	1.509	0	%100
30	M75A	Z	-2.613	-2.613	0	%100
31	M22	X	1.205	1.205	0	%100
32	M22	Z	-2.088	-2.088	0	%100
33	MP5A	X	1.607	1.607	0	%100
34	MP5A	Z	-2.784	-2.784	0	%100
35	MP1A	X	1.781	1.781	0	%100
36	MP1A	Z	-3.085	-3.085	0	%100
37	MP2A	X	1.607	1.607	0	%100
38	MP2A	Z	-2.784	-2.784	0	%100
39	MP4A	X	1.607	1.607	0	%100
40	MP4A	Z	-2.784	-2.784	0	%100
41	MP3A	X	1.607	1.607	0	%100
42	MP3A	Z	-2.784	-2.784	0	%100
43	MP5C	X	1.607	1.607	0	%100
44	MP5C	Z	-2.784	-2.784	0	%100
45	MP1C	X	1.781	1.781	0	%100
46	MP1C	Z	-3.085	-3.085	0	%100
47	MP2C	X	1.607	1.607	0	%100
48	MP2C	Z	-2.784	-2.784	0	%100
49	MP4C	X	1.607	1.607	0	%100
50	MP4C	Z	-2.784	-2.784	0	%100
51	MP3C	X	1.607	1.607	0	%100
52	MP3C	Z	-2.784	-2.784	0	%100
53	MP5B	X	1.607	1.607	0	%100
54	MP5B	Z	-2.784	-2.784	0	%100
55	MP1B	X	1.781	1.781	0	%100
56	MP1B	Z	-3.085	-3.085	0	%100
57	MP2B	X	1.607	1.607	0	%100
58	MP2B	Z	-2.784	-2.784	0	%100
59	MP4B	X	1.607	1.607	0	%100
60	MP4B	Z	-2.784	-2.784	0	%100
61	MP3B	X	1.607	1.607	0	%100
62	MP3B	Z	-2.784	-2.784	0	%100
63	M74	X	.829	.829	0	%100
64	M74	Z	-1.436	-1.436	0	%100
65	M75	X	.824	.824	0	%100
66	M75	Z	-1.428	-1.428	0	%100
67	M74B	X	1.205	1.205	0	%100
68	M74B	Z	-2.088	-2.088	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,%]
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	.544	.544	0	%100
72	M72	Z	-.942	-.942	0	%100
73	M73	X	2.218	2.218	0	%100
74	M73	Z	-3.843	-3.843	0	%100
75	M74C	X	2.218	2.218	0	%100
76	M74C	Z	-3.841	-3.841	0	%100
77	M75C	X	.547	.547	0	%100
78	M75C	Z	-.947	-.947	0	%100
79	M78	X	1.14	1.14	0	%100
80	M78	Z	-1.975	-1.975	0	%100
81	M81	X	.002	.002	0	%100
82	M81	Z	-.003	-.003	0	%100
83	M84	X	1.231	1.231	0	%100
84	M84	Z	-2.133	-2.133	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	1.96	1.96	0	%100
2	M1	Z	-1.132	-1.132	0	%100
3	M2	X	2.419	2.419	0	%100
4	M2	Z	-1.397	-1.397	0	%100
5	M5	X	1.905	1.905	0	%100
6	M5	Z	-1.1	-1.1	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	1.905	1.905	0	%100
10	M7	Z	-1.1	-1.1	0	%100
11	M6A	X	1.092	1.092	0	%100
12	M6A	Z	-.63	-.63	0	%100
13	M7A	X	1.092	1.092	0	%100
14	M7A	Z	-.63	-.63	0	%100
15	M23A	X	4.367	4.367	0	%100
16	M23A	Z	-2.521	-2.521	0	%100
17	M24	X	4.367	4.367	0	%100
18	M24	Z	-2.521	-2.521	0	%100
19	M39A	X	1.092	1.092	0	%100
20	M39A	Z	-.63	-.63	0	%100
21	M40	X	1.092	1.092	0	%100
22	M40	Z	-.63	-.63	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	2.419	2.419	0	%100
26	M56	Z	-1.397	-1.397	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	1.96	1.96	0	%100
30	M75A	Z	-1.132	-1.132	0	%100
31	M22	X	.696	.696	0	%100
32	M22	Z	-.402	-.402	0	%100
33	MP5A	X	2.784	2.784	0	%100
34	MP5A	Z	-1.607	-1.607	0	%100
35	MP1A	X	3.085	3.085	0	%100
36	MP1A	Z	-1.781	-1.781	0	%100
37	MP2A	X	2.784	2.784	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,%]
38	MP2A	Z	-1.607	-1.607	0	%100
39	MP4A	X	2.784	2.784	0	%100
40	MP4A	Z	-1.607	-1.607	0	%100
41	MP3A	X	2.784	2.784	0	%100
42	MP3A	Z	-1.607	-1.607	0	%100
43	MP5C	X	2.784	2.784	0	%100
44	MP5C	Z	-1.607	-1.607	0	%100
45	MP1C	X	3.085	3.085	0	%100
46	MP1C	Z	-1.781	-1.781	0	%100
47	MP2C	X	2.784	2.784	0	%100
48	MP2C	Z	-1.607	-1.607	0	%100
49	MP4C	X	2.784	2.784	0	%100
50	MP4C	Z	-1.607	-1.607	0	%100
51	MP3C	X	2.784	2.784	0	%100
52	MP3C	Z	-1.607	-1.607	0	%100
53	MP5B	X	2.784	2.784	0	%100
54	MP5B	Z	-1.607	-1.607	0	%100
55	MP1B	X	3.085	3.085	0	%100
56	MP1B	Z	-1.781	-1.781	0	%100
57	MP2B	X	2.784	2.784	0	%100
58	MP2B	Z	-1.607	-1.607	0	%100
59	MP4B	X	2.784	2.784	0	%100
60	MP4B	Z	-1.607	-1.607	0	%100
61	MP3B	X	2.784	2.784	0	%100
62	MP3B	Z	-1.607	-1.607	0	%100
63	M74	X	3.204	3.204	0	%100
64	M74	Z	-1.85	-1.85	0	%100
65	M75	X	.302	.302	0	%100
66	M75	Z	-.175	-.175	0	%100
67	M74B	X	2.784	2.784	0	%100
68	M74B	Z	-1.607	-1.607	0	%100
69	M75B	X	.696	.696	0	%100
70	M75B	Z	-.402	-.402	0	%100
71	M72	X	.305	.305	0	%100
72	M72	Z	-.176	-.176	0	%100
73	M73	X	3.198	3.198	0	%100
74	M73	Z	-1.846	-1.846	0	%100
75	M74C	X	2.71	2.71	0	%100
76	M74C	Z	-1.565	-1.565	0	%100
77	M75C	X	2.717	2.717	0	%100
78	M75C	Z	-1.569	-1.569	0	%100
79	M78	X	2.738	2.738	0	%100
80	M78	Z	-1.581	-1.581	0	%100
81	M81	X	.608	.608	0	%100
82	M81	Z	-.351	-.351	0	%100
83	M84	X	.766	.766	0	%100
84	M84	Z	-.442	-.442	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	3.017	3.017	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.725	3.725	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	2.933	2.933	0	%100
6	M5	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,%]
7	M6	X	.733	.733	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.733	.733	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	3.782	3.782	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	3.782	3.782	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	3.782	3.782	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	3.782	3.782	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.931	.931	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.931	.931	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.754	.754	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.754	.754	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	3.215	3.215	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	3.563	3.563	0	%100
36	MP1A	Z	0	0	0	%100
37	MP2A	X	3.215	3.215	0	%100
38	MP2A	Z	0	0	0	%100
39	MP4A	X	3.215	3.215	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	3.215	3.215	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	3.215	3.215	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	3.563	3.563	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	3.215	3.215	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	3.215	3.215	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	3.215	3.215	0	%100
52	MP3C	Z	0	0	0	%100
53	MP5B	X	3.215	3.215	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	3.563	3.563	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	3.215	3.215	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	3.215	3.215	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	3.215	3.215	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	4.436	4.436	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,%]
64	M74	Z	0	0	0	%100
65	M75	X	1.093	1.093	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	2.411	2.411	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	2.411	2.411	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	1.658	1.658	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	1.649	1.649	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	1.088	1.088	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	4.437	4.437	0	%100
78	M75C	Z	0	0	0	%100
79	M78	X	2.463	2.463	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	2.281	2.281	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	.004	.004	0	%100
84	M84	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	1.96	1.96	0	%100
2	M1	Z	1.132	1.132	0	%100
3	M2	X	2.419	2.419	0	%100
4	M2	Z	1.397	1.397	0	%100
5	M5	X	1.905	1.905	0	%100
6	M5	Z	1.1	1.1	0	%100
7	M6	X	1.905	1.905	0	%100
8	M6	Z	1.1	1.1	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	1.092	1.092	0	%100
12	M6A	Z	.63	.63	0	%100
13	M7A	X	1.092	1.092	0	%100
14	M7A	Z	.63	.63	0	%100
15	M23A	X	1.092	1.092	0	%100
16	M23A	Z	.63	.63	0	%100
17	M24	X	1.092	1.092	0	%100
18	M24	Z	.63	.63	0	%100
19	M39A	X	4.367	4.367	0	%100
20	M39A	Z	2.521	2.521	0	%100
21	M40	X	4.367	4.367	0	%100
22	M40	Z	2.521	2.521	0	%100
23	M55	X	2.419	2.419	0	%100
24	M55	Z	1.397	1.397	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	1.96	1.96	0	%100
28	M74A	Z	1.132	1.132	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	.696	.696	0	%100
32	M22	Z	.402	.402	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,%]
33	MP5A	X	2.784	2.784	0	%100
34	MP5A	Z	1.607	1.607	0	%100
35	MP1A	X	3.085	3.085	0	%100
36	MP1A	Z	1.781	1.781	0	%100
37	MP2A	X	2.784	2.784	0	%100
38	MP2A	Z	1.607	1.607	0	%100
39	MP4A	X	2.784	2.784	0	%100
40	MP4A	Z	1.607	1.607	0	%100
41	MP3A	X	2.784	2.784	0	%100
42	MP3A	Z	1.607	1.607	0	%100
43	MP5C	X	2.784	2.784	0	%100
44	MP5C	Z	1.607	1.607	0	%100
45	MP1C	X	3.085	3.085	0	%100
46	MP1C	Z	1.781	1.781	0	%100
47	MP2C	X	2.784	2.784	0	%100
48	MP2C	Z	1.607	1.607	0	%100
49	MP4C	X	2.784	2.784	0	%100
50	MP4C	Z	1.607	1.607	0	%100
51	MP3C	X	2.784	2.784	0	%100
52	MP3C	Z	1.607	1.607	0	%100
53	MP5B	X	2.784	2.784	0	%100
54	MP5B	Z	1.607	1.607	0	%100
55	MP1B	X	3.085	3.085	0	%100
56	MP1B	Z	1.781	1.781	0	%100
57	MP2B	X	2.784	2.784	0	%100
58	MP2B	Z	1.607	1.607	0	%100
59	MP4B	X	2.784	2.784	0	%100
60	MP4B	Z	1.607	1.607	0	%100
61	MP3B	X	2.784	2.784	0	%100
62	MP3B	Z	1.607	1.607	0	%100
63	M74	X	2.71	2.71	0	%100
64	M74	Z	1.565	1.565	0	%100
65	M75	X	2.717	2.717	0	%100
66	M75	Z	1.569	1.569	0	%100
67	M74B	X	.696	.696	0	%100
68	M74B	Z	.402	.402	0	%100
69	M75B	X	2.784	2.784	0	%100
70	M75B	Z	1.607	1.607	0	%100
71	M72	X	3.204	3.204	0	%100
72	M72	Z	1.85	1.85	0	%100
73	M73	X	.302	.302	0	%100
74	M73	Z	.175	.175	0	%100
75	M74C	X	.305	.305	0	%100
76	M74C	Z	.176	.176	0	%100
77	M75C	X	3.198	3.198	0	%100
78	M75C	Z	1.846	1.846	0	%100
79	M78	X	.766	.766	0	%100
80	M78	Z	.442	.442	0	%100
81	M81	X	2.738	2.738	0	%100
82	M81	Z	1.581	1.581	0	%100
83	M84	X	.608	.608	0	%100
84	M84	Z	.351	.351	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	.377	.377	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,%]
2	M1	Z	.653	.653	0	%100
3	M2	X	.466	.466	0	%100
4	M2	Z	.806	.806	0	%100
5	M5	X	.367	.367	0	%100
6	M5	Z	.635	.635	0	%100
7	M6	X	1.466	1.466	0	%100
8	M6	Z	2.54	2.54	0	%100
9	M7	X	.367	.367	0	%100
10	M7	Z	.635	.635	0	%100
11	M6A	X	1.891	1.891	0	%100
12	M6A	Z	3.275	3.275	0	%100
13	M7A	X	1.891	1.891	0	%100
14	M7A	Z	3.275	3.275	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	1.891	1.891	0	%100
20	M39A	Z	3.275	3.275	0	%100
21	M40	X	1.891	1.891	0	%100
22	M40	Z	3.275	3.275	0	%100
23	M55	X	1.862	1.862	0	%100
24	M55	Z	3.226	3.226	0	%100
25	M56	X	.466	.466	0	%100
26	M56	Z	.806	.806	0	%100
27	M74A	X	1.509	1.509	0	%100
28	M74A	Z	2.613	2.613	0	%100
29	M75A	X	.377	.377	0	%100
30	M75A	Z	.653	.653	0	%100
31	M22	X	1.205	1.205	0	%100
32	M22	Z	2.088	2.088	0	%100
33	MP5A	X	1.607	1.607	0	%100
34	MP5A	Z	2.784	2.784	0	%100
35	MP1A	X	1.781	1.781	0	%100
36	MP1A	Z	3.085	3.085	0	%100
37	MP2A	X	1.607	1.607	0	%100
38	MP2A	Z	2.784	2.784	0	%100
39	MP4A	X	1.607	1.607	0	%100
40	MP4A	Z	2.784	2.784	0	%100
41	MP3A	X	1.607	1.607	0	%100
42	MP3A	Z	2.784	2.784	0	%100
43	MP5C	X	1.607	1.607	0	%100
44	MP5C	Z	2.784	2.784	0	%100
45	MP1C	X	1.781	1.781	0	%100
46	MP1C	Z	3.085	3.085	0	%100
47	MP2C	X	1.607	1.607	0	%100
48	MP2C	Z	2.784	2.784	0	%100
49	MP4C	X	1.607	1.607	0	%100
50	MP4C	Z	2.784	2.784	0	%100
51	MP3C	X	1.607	1.607	0	%100
52	MP3C	Z	2.784	2.784	0	%100
53	MP5B	X	1.607	1.607	0	%100
54	MP5B	Z	2.784	2.784	0	%100
55	MP1B	X	1.781	1.781	0	%100
56	MP1B	Z	3.085	3.085	0	%100
57	MP2B	X	1.607	1.607	0	%100
58	MP2B	Z	2.784	2.784	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,%]
59	MP4B	X	1.607	1.607	0	%100
60	MP4B	Z	2.784	2.784	0	%100
61	MP3B	X	1.607	1.607	0	%100
62	MP3B	Z	2.784	2.784	0	%100
63	M74	X	.544	.544	0	%100
64	M74	Z	.942	.942	0	%100
65	M75	X	2.218	2.218	0	%100
66	M75	Z	3.843	3.843	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	1.205	1.205	0	%100
70	M75B	Z	2.088	2.088	0	%100
71	M72	X	2.218	2.218	0	%100
72	M72	Z	3.841	3.841	0	%100
73	M73	X	.547	.547	0	%100
74	M73	Z	.947	.947	0	%100
75	M74C	X	.829	.829	0	%100
76	M74C	Z	1.436	1.436	0	%100
77	M75C	X	.824	.824	0	%100
78	M75C	Z	1.428	1.428	0	%100
79	M78	X	.002	.002	0	%100
80	M78	Z	.003	.003	0	%100
81	M81	X	1.231	1.231	0	%100
82	M81	Z	2.133	2.133	0	%100
83	M84	X	1.14	1.14	0	%100
84	M84	Z	1.975	1.975	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	2.2	2.2	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	2.2	2.2	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	5.042	5.042	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	5.042	5.042	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	1.261	1.261	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	1.261	1.261	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	1.261	1.261	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	1.261	1.261	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	2.793	2.793	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	2.793	2.793	0	%100
27	M74A	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,%]
28	M74A	Z	2.263	2.263	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	2.263	2.263	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	3.215	3.215	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	3.215	3.215	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	3.563	3.563	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	3.215	3.215	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	3.215	3.215	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	3.215	3.215	0	%100
43	MP5C	X	0	0	0	%100
44	MP5C	Z	3.215	3.215	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	3.563	3.563	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	3.215	3.215	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	3.215	3.215	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	3.215	3.215	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	3.215	3.215	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	3.563	3.563	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	3.215	3.215	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	3.215	3.215	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	3.215	3.215	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	.352	.352	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	3.693	3.693	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	.804	.804	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	.804	.804	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	3.13	3.13	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	3.137	3.137	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	3.7	3.7	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	.349	.349	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	.702	.702	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	.884	.884	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	3.161	3.161	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	-.377	-.377	0	%100
2	M1	Z	.653	.653	0	%100
3	M2	X	-.466	-.466	0	%100
4	M2	Z	.806	.806	0	%100
5	M5	X	-.367	-.367	0	%100
6	M5	Z	.635	.635	0	%100
7	M6	X	-.367	-.367	0	%100
8	M6	Z	.635	.635	0	%100
9	M7	X	-1.466	-1.466	0	%100
10	M7	Z	2.54	2.54	0	%100
11	M6A	X	-1.891	-1.891	0	%100
12	M6A	Z	3.275	3.275	0	%100
13	M7A	X	-1.891	-1.891	0	%100
14	M7A	Z	3.275	3.275	0	%100
15	M23A	X	-1.891	-1.891	0	%100
16	M23A	Z	3.275	3.275	0	%100
17	M24	X	-1.891	-1.891	0	%100
18	M24	Z	3.275	3.275	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	-.466	-.466	0	%100
24	M55	Z	.806	.806	0	%100
25	M56	X	-1.862	-1.862	0	%100
26	M56	Z	3.226	3.226	0	%100
27	M74A	X	-.377	-.377	0	%100
28	M74A	Z	.653	.653	0	%100
29	M75A	X	-1.509	-1.509	0	%100
30	M75A	Z	2.613	2.613	0	%100
31	M22	X	-1.205	-1.205	0	%100
32	M22	Z	2.088	2.088	0	%100
33	MP5A	X	-1.607	-1.607	0	%100
34	MP5A	Z	2.784	2.784	0	%100
35	MP1A	X	-1.781	-1.781	0	%100
36	MP1A	Z	3.085	3.085	0	%100
37	MP2A	X	-1.607	-1.607	0	%100
38	MP2A	Z	2.784	2.784	0	%100
39	MP4A	X	-1.607	-1.607	0	%100
40	MP4A	Z	2.784	2.784	0	%100
41	MP3A	X	-1.607	-1.607	0	%100
42	MP3A	Z	2.784	2.784	0	%100
43	MP5C	X	-1.607	-1.607	0	%100
44	MP5C	Z	2.784	2.784	0	%100
45	MP1C	X	-1.781	-1.781	0	%100
46	MP1C	Z	3.085	3.085	0	%100
47	MP2C	X	-1.607	-1.607	0	%100
48	MP2C	Z	2.784	2.784	0	%100
49	MP4C	X	-1.607	-1.607	0	%100
50	MP4C	Z	2.784	2.784	0	%100
51	MP3C	X	-1.607	-1.607	0	%100
52	MP3C	Z	2.784	2.784	0	%100
53	MP5B	X	-1.607	-1.607	0	%100
54	MP5B	Z	2.784	2.784	0	%100
55	MP1B	X	-1.781	-1.781	0	%100
56	MP1B	Z	3.085	3.085	0	%100
57	MP2B	X	-1.607	-1.607	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,%]
58	MP2B	Z	2.784	2.784	0	%100
59	MP4B	X	-1.607	-1.607	0	%100
60	MP4B	Z	2.784	2.784	0	%100
61	MP3B	X	-1.607	-1.607	0	%100
62	MP3B	Z	2.784	2.784	0	%100
63	M74	X	-.829	-.829	0	%100
64	M74	Z	1.436	1.436	0	%100
65	M75	X	-.824	-.824	0	%100
66	M75	Z	1.428	1.428	0	%100
67	M74B	X	-1.205	-1.205	0	%100
68	M74B	Z	2.088	2.088	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-.544	-.544	0	%100
72	M72	Z	.942	.942	0	%100
73	M73	X	-2.218	-2.218	0	%100
74	M73	Z	3.843	3.843	0	%100
75	M74C	X	-2.218	-2.218	0	%100
76	M74C	Z	3.841	3.841	0	%100
77	M75C	X	-.547	-.547	0	%100
78	M75C	Z	.947	.947	0	%100
79	M78	X	-1.14	-1.14	0	%100
80	M78	Z	1.975	1.975	0	%100
81	M81	X	-.002	-.002	0	%100
82	M81	Z	.003	.003	0	%100
83	M84	X	-1.231	-1.231	0	%100
84	M84	Z	2.133	2.133	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	-1.96	-1.96	0	%100
2	M1	Z	1.132	1.132	0	%100
3	M2	X	-2.419	-2.419	0	%100
4	M2	Z	1.397	1.397	0	%100
5	M5	X	-1.905	-1.905	0	%100
6	M5	Z	1.1	1.1	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-1.905	-1.905	0	%100
10	M7	Z	1.1	1.1	0	%100
11	M6A	X	-1.092	-1.092	0	%100
12	M6A	Z	.63	.63	0	%100
13	M7A	X	-1.092	-1.092	0	%100
14	M7A	Z	.63	.63	0	%100
15	M23A	X	-4.367	-4.367	0	%100
16	M23A	Z	2.521	2.521	0	%100
17	M24	X	-4.367	-4.367	0	%100
18	M24	Z	2.521	2.521	0	%100
19	M39A	X	-1.092	-1.092	0	%100
20	M39A	Z	.63	.63	0	%100
21	M40	X	-1.092	-1.092	0	%100
22	M40	Z	.63	.63	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-2.419	-2.419	0	%100
26	M56	Z	1.397	1.397	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,%]
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-1.96	-1.96	0	%100
30	M75A	Z	1.132	1.132	0	%100
31	M22	X	-.696	-.696	0	%100
32	M22	Z	.402	.402	0	%100
33	MP5A	X	-2.784	-2.784	0	%100
34	MP5A	Z	1.607	1.607	0	%100
35	MP1A	X	-3.085	-3.085	0	%100
36	MP1A	Z	1.781	1.781	0	%100
37	MP2A	X	-2.784	-2.784	0	%100
38	MP2A	Z	1.607	1.607	0	%100
39	MP4A	X	-2.784	-2.784	0	%100
40	MP4A	Z	1.607	1.607	0	%100
41	MP3A	X	-2.784	-2.784	0	%100
42	MP3A	Z	1.607	1.607	0	%100
43	MP5C	X	-2.784	-2.784	0	%100
44	MP5C	Z	1.607	1.607	0	%100
45	MP1C	X	-3.085	-3.085	0	%100
46	MP1C	Z	1.781	1.781	0	%100
47	MP2C	X	-2.784	-2.784	0	%100
48	MP2C	Z	1.607	1.607	0	%100
49	MP4C	X	-2.784	-2.784	0	%100
50	MP4C	Z	1.607	1.607	0	%100
51	MP3C	X	-2.784	-2.784	0	%100
52	MP3C	Z	1.607	1.607	0	%100
53	MP5B	X	-2.784	-2.784	0	%100
54	MP5B	Z	1.607	1.607	0	%100
55	MP1B	X	-3.085	-3.085	0	%100
56	MP1B	Z	1.781	1.781	0	%100
57	MP2B	X	-2.784	-2.784	0	%100
58	MP2B	Z	1.607	1.607	0	%100
59	MP4B	X	-2.784	-2.784	0	%100
60	MP4B	Z	1.607	1.607	0	%100
61	MP3B	X	-2.784	-2.784	0	%100
62	MP3B	Z	1.607	1.607	0	%100
63	M74	X	-3.204	-3.204	0	%100
64	M74	Z	1.85	1.85	0	%100
65	M75	X	-.302	-.302	0	%100
66	M75	Z	.175	.175	0	%100
67	M74B	X	-2.784	-2.784	0	%100
68	M74B	Z	1.607	1.607	0	%100
69	M75B	X	-.696	-.696	0	%100
70	M75B	Z	.402	.402	0	%100
71	M72	X	-.305	-.305	0	%100
72	M72	Z	.176	.176	0	%100
73	M73	X	-3.198	-3.198	0	%100
74	M73	Z	1.846	1.846	0	%100
75	M74C	X	-2.71	-2.71	0	%100
76	M74C	Z	1.565	1.565	0	%100
77	M75C	X	-2.717	-2.717	0	%100
78	M75C	Z	1.569	1.569	0	%100
79	M78	X	-2.738	-2.738	0	%100
80	M78	Z	1.581	1.581	0	%100
81	M81	X	-.608	-.608	0	%100
82	M81	Z	.351	.351	0	%100
83	M84	X	-.766	-.766	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,%]
84	M84	Z	.442	.442	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	-3.017	-3.017	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.725	-3.725	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-2.933	-2.933	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.733	-.733	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.733	-.733	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	-3.782	-3.782	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-3.782	-3.782	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-3.782	-3.782	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-3.782	-3.782	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.931	-.931	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.931	-.931	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-.754	-.754	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.754	-.754	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	-3.215	-3.215	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	-3.563	-3.563	0	%100
36	MP1A	Z	0	0	0	%100
37	MP2A	X	-3.215	-3.215	0	%100
38	MP2A	Z	0	0	0	%100
39	MP4A	X	-3.215	-3.215	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	-3.215	-3.215	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	-3.215	-3.215	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	-3.563	-3.563	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-3.215	-3.215	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	-3.215	-3.215	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	-3.215	-3.215	0	%100
52	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP5B	X	-3.215	-3.215	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	-3.563	-3.563	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	-3.215	-3.215	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	-3.215	-3.215	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	-3.215	-3.215	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	-4.436	-4.436	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-1.093	-1.093	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	-2.411	-2.411	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-2.411	-2.411	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-1.658	-1.658	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-1.649	-1.649	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	-1.088	-1.088	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	-4.437	-4.437	0	%100
78	M75C	Z	0	0	0	%100
79	M78	X	-2.463	-2.463	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	-2.281	-2.281	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	-.004	-.004	0	%100
84	M84	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	-1.96	-1.96	0	%100
2	M1	Z	-1.132	-1.132	0	%100
3	M2	X	-2.419	-2.419	0	%100
4	M2	Z	-1.397	-1.397	0	%100
5	M5	X	-1.905	-1.905	0	%100
6	M5	Z	-1.1	-1.1	0	%100
7	M6	X	-1.905	-1.905	0	%100
8	M6	Z	-1.1	-1.1	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-1.092	-1.092	0	%100
12	M6A	Z	-.63	-.63	0	%100
13	M7A	X	-1.092	-1.092	0	%100
14	M7A	Z	-.63	-.63	0	%100
15	M23A	X	-1.092	-1.092	0	%100
16	M23A	Z	-.63	-.63	0	%100
17	M24	X	-1.092	-1.092	0	%100
18	M24	Z	-.63	-.63	0	%100
19	M39A	X	-4.367	-4.367	0	%100
20	M39A	Z	-2.521	-2.521	0	%100
21	M40	X	-4.367	-4.367	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,%]
22	M40	Z	-2.521	-2.521	0	%100
23	M55	X	-2.419	-2.419	0	%100
24	M55	Z	-1.397	-1.397	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-1.96	-1.96	0	%100
28	M74A	Z	-1.132	-1.132	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	-.696	-.696	0	%100
32	M22	Z	-.402	-.402	0	%100
33	MP5A	X	-2.784	-2.784	0	%100
34	MP5A	Z	-1.607	-1.607	0	%100
35	MP1A	X	-3.085	-3.085	0	%100
36	MP1A	Z	-1.781	-1.781	0	%100
37	MP2A	X	-2.784	-2.784	0	%100
38	MP2A	Z	-1.607	-1.607	0	%100
39	MP4A	X	-2.784	-2.784	0	%100
40	MP4A	Z	-1.607	-1.607	0	%100
41	MP3A	X	-2.784	-2.784	0	%100
42	MP3A	Z	-1.607	-1.607	0	%100
43	MP5C	X	-2.784	-2.784	0	%100
44	MP5C	Z	-1.607	-1.607	0	%100
45	MP1C	X	-3.085	-3.085	0	%100
46	MP1C	Z	-1.781	-1.781	0	%100
47	MP2C	X	-2.784	-2.784	0	%100
48	MP2C	Z	-1.607	-1.607	0	%100
49	MP4C	X	-2.784	-2.784	0	%100
50	MP4C	Z	-1.607	-1.607	0	%100
51	MP3C	X	-2.784	-2.784	0	%100
52	MP3C	Z	-1.607	-1.607	0	%100
53	MP5B	X	-2.784	-2.784	0	%100
54	MP5B	Z	-1.607	-1.607	0	%100
55	MP1B	X	-3.085	-3.085	0	%100
56	MP1B	Z	-1.781	-1.781	0	%100
57	MP2B	X	-2.784	-2.784	0	%100
58	MP2B	Z	-1.607	-1.607	0	%100
59	MP4B	X	-2.784	-2.784	0	%100
60	MP4B	Z	-1.607	-1.607	0	%100
61	MP3B	X	-2.784	-2.784	0	%100
62	MP3B	Z	-1.607	-1.607	0	%100
63	M74	X	-2.71	-2.71	0	%100
64	M74	Z	-1.565	-1.565	0	%100
65	M75	X	-2.717	-2.717	0	%100
66	M75	Z	-1.569	-1.569	0	%100
67	M74B	X	-.696	-.696	0	%100
68	M74B	Z	-.402	-.402	0	%100
69	M75B	X	-2.784	-2.784	0	%100
70	M75B	Z	-1.607	-1.607	0	%100
71	M72	X	-3.204	-3.204	0	%100
72	M72	Z	-1.85	-1.85	0	%100
73	M73	X	-.302	-.302	0	%100
74	M73	Z	-.175	-.175	0	%100
75	M74C	X	-.305	-.305	0	%100
76	M74C	Z	-.176	-.176	0	%100
77	M75C	X	-3.198	-3.198	0	%100
78	M75C	Z	-1.846	-1.846	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,%]
79	M78	X	-.766	-.766	0	%100
80	M78	Z	-.442	-.442	0	%100
81	M81	X	-2.738	-2.738	0	%100
82	M81	Z	-1.581	-1.581	0	%100
83	M84	X	-.608	-.608	0	%100
84	M84	Z	-.351	-.351	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	-.377	-.377	0	%100
2	M1	Z	-.653	-.653	0	%100
3	M2	X	-.466	-.466	0	%100
4	M2	Z	-.806	-.806	0	%100
5	M5	X	-.367	-.367	0	%100
6	M5	Z	-.635	-.635	0	%100
7	M6	X	-1.466	-1.466	0	%100
8	M6	Z	-2.54	-2.54	0	%100
9	M7	X	-.367	-.367	0	%100
10	M7	Z	-.635	-.635	0	%100
11	M6A	X	-1.891	-1.891	0	%100
12	M6A	Z	-3.275	-3.275	0	%100
13	M7A	X	-1.891	-1.891	0	%100
14	M7A	Z	-3.275	-3.275	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	-1.891	-1.891	0	%100
20	M39A	Z	-3.275	-3.275	0	%100
21	M40	X	-1.891	-1.891	0	%100
22	M40	Z	-3.275	-3.275	0	%100
23	M55	X	-1.862	-1.862	0	%100
24	M55	Z	-3.226	-3.226	0	%100
25	M56	X	-.466	-.466	0	%100
26	M56	Z	-.806	-.806	0	%100
27	M74A	X	-1.509	-1.509	0	%100
28	M74A	Z	-2.613	-2.613	0	%100
29	M75A	X	-.377	-.377	0	%100
30	M75A	Z	-.653	-.653	0	%100
31	M22	X	-1.205	-1.205	0	%100
32	M22	Z	-2.088	-2.088	0	%100
33	MP5A	X	-1.607	-1.607	0	%100
34	MP5A	Z	-2.784	-2.784	0	%100
35	MP1A	X	-1.781	-1.781	0	%100
36	MP1A	Z	-3.085	-3.085	0	%100
37	MP2A	X	-1.607	-1.607	0	%100
38	MP2A	Z	-2.784	-2.784	0	%100
39	MP4A	X	-1.607	-1.607	0	%100
40	MP4A	Z	-2.784	-2.784	0	%100
41	MP3A	X	-1.607	-1.607	0	%100
42	MP3A	Z	-2.784	-2.784	0	%100
43	MP5C	X	-1.607	-1.607	0	%100
44	MP5C	Z	-2.784	-2.784	0	%100
45	MP1C	X	-1.781	-1.781	0	%100
46	MP1C	Z	-3.085	-3.085	0	%100
47	MP2C	X	-1.607	-1.607	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,%]
48	MP2C	Z	-2.784	-2.784	0	%100
49	MP4C	X	-1.607	-1.607	0	%100
50	MP4C	Z	-2.784	-2.784	0	%100
51	MP3C	X	-1.607	-1.607	0	%100
52	MP3C	Z	-2.784	-2.784	0	%100
53	MP5B	X	-1.607	-1.607	0	%100
54	MP5B	Z	-2.784	-2.784	0	%100
55	MP1B	X	-1.781	-1.781	0	%100
56	MP1B	Z	-3.085	-3.085	0	%100
57	MP2B	X	-1.607	-1.607	0	%100
58	MP2B	Z	-2.784	-2.784	0	%100
59	MP4B	X	-1.607	-1.607	0	%100
60	MP4B	Z	-2.784	-2.784	0	%100
61	MP3B	X	-1.607	-1.607	0	%100
62	MP3B	Z	-2.784	-2.784	0	%100
63	M74	X	-.544	-.544	0	%100
64	M74	Z	-.942	-.942	0	%100
65	M75	X	-2.218	-2.218	0	%100
66	M75	Z	-3.843	-3.843	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-1.205	-1.205	0	%100
70	M75B	Z	-2.088	-2.088	0	%100
71	M72	X	-2.218	-2.218	0	%100
72	M72	Z	-3.841	-3.841	0	%100
73	M73	X	-.547	-.547	0	%100
74	M73	Z	-.947	-.947	0	%100
75	M74C	X	-.829	-.829	0	%100
76	M74C	Z	-1.436	-1.436	0	%100
77	M75C	X	-.824	-.824	0	%100
78	M75C	Z	-1.428	-1.428	0	%100
79	M78	X	-.002	-.002	0	%100
80	M78	Z	-.003	-.003	0	%100
81	M81	X	-1.231	-1.231	0	%100
82	M81	Z	-2.133	-2.133	0	%100
83	M84	X	-1.14	-1.14	0	%100
84	M84	Z	-1.975	-1.975	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	-.403	-.403	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.403	-.403	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.253	-1.253	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-1.253	-1.253	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-.313	-.313	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,%]
17	M24	X	0	0	0	%100
18	M24	Z	-.313	-.313	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-.313	-.313	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-.313	-.313	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-.698	-.698	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-.698	-.698	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	-.54	-.54	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	-.54	-.54	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-.595	-.595	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	-.595	-.595	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	-.721	-.721	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-.595	-.595	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-.595	-.595	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-.595	-.595	0	%100
43	MP5C	X	0	0	0	%100
44	MP5C	Z	-.595	-.595	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-.721	-.721	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-.595	-.595	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	-.595	-.595	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-.595	-.595	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	-.595	-.595	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-.721	-.721	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-.595	-.595	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-.595	-.595	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-.595	-.595	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-.082	-.082	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-.864	-.864	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	-.149	-.149	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	-.149	-.149	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-.732	-.732	0	%100
73	M73	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,%]
74	M73	Z	-.734	-.734	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	-.866	-.866	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	-.082	-.082	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	-.165	-.165	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-.208	-.208	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-.745	-.745	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	.09	.09	0	%100
2	M1	Z	-.156	-.156	0	%100
3	M2	X	.116	.116	0	%100
4	M2	Z	-.201	-.201	0	%100
5	M5	X	.067	.067	0	%100
6	M5	Z	-.116	-.116	0	%100
7	M6	X	.067	.067	0	%100
8	M6	Z	-.116	-.116	0	%100
9	M7	X	.268	.268	0	%100
10	M7	Z	-.465	-.465	0	%100
11	M6A	X	.47	.47	0	%100
12	M6A	Z	-.814	-.814	0	%100
13	M7A	X	.47	.47	0	%100
14	M7A	Z	-.814	-.814	0	%100
15	M23A	X	.47	.47	0	%100
16	M23A	Z	-.814	-.814	0	%100
17	M24	X	.47	.47	0	%100
18	M24	Z	-.814	-.814	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	.116	.116	0	%100
24	M55	Z	-.201	-.201	0	%100
25	M56	X	.465	.465	0	%100
26	M56	Z	-.806	-.806	0	%100
27	M74A	X	.09	.09	0	%100
28	M74A	Z	-.156	-.156	0	%100
29	M75A	X	.36	.36	0	%100
30	M75A	Z	-.623	-.623	0	%100
31	M22	X	.223	.223	0	%100
32	M22	Z	-.387	-.387	0	%100
33	MP5A	X	.298	.298	0	%100
34	MP5A	Z	-.516	-.516	0	%100
35	MP1A	X	.36	.36	0	%100
36	MP1A	Z	-.624	-.624	0	%100
37	MP2A	X	.298	.298	0	%100
38	MP2A	Z	-.516	-.516	0	%100
39	MP4A	X	.298	.298	0	%100
40	MP4A	Z	-.516	-.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	-.516	-.516	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,%]
43	MP5C	X	.298	.298	0	%100
44	MP5C	Z	-.516	-.516	0	%100
45	MP1C	X	.36	.36	0	%100
46	MP1C	Z	-.624	-.624	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP4C	X	.298	.298	0	%100
50	MP4C	Z	-.516	-.516	0	%100
51	MP3C	X	.298	.298	0	%100
52	MP3C	Z	-.516	-.516	0	%100
53	MP5B	X	.298	.298	0	%100
54	MP5B	Z	-.516	-.516	0	%100
55	MP1B	X	.36	.36	0	%100
56	MP1B	Z	-.624	-.624	0	%100
57	MP2B	X	.298	.298	0	%100
58	MP2B	Z	-.516	-.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3B	X	.298	.298	0	%100
62	MP3B	Z	-.516	-.516	0	%100
63	M74	X	.194	.194	0	%100
64	M74	Z	-.336	-.336	0	%100
65	M75	X	.193	.193	0	%100
66	M75	Z	-.334	-.334	0	%100
67	M74B	X	.223	.223	0	%100
68	M74B	Z	-.387	-.387	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	.127	.127	0	%100
72	M72	Z	-.221	-.221	0	%100
73	M73	X	.519	.519	0	%100
74	M73	Z	-.899	-.899	0	%100
75	M74C	X	.519	.519	0	%100
76	M74C	Z	-.899	-.899	0	%100
77	M75C	X	.128	.128	0	%100
78	M75C	Z	-.222	-.222	0	%100
79	M78	X	.269	.269	0	%100
80	M78	Z	-.466	-.466	0	%100
81	M81	X	.000413	.000413	0	%100
82	M81	Z	-.000715	-.000715	0	%100
83	M84	X	.29	.29	0	%100
84	M84	Z	-.503	-.503	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	.467	.467	0	%100
2	M1	Z	-.27	-.27	0	%100
3	M2	X	.604	.604	0	%100
4	M2	Z	-.349	-.349	0	%100
5	M5	X	.349	.349	0	%100
6	M5	Z	-.201	-.201	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.349	.349	0	%100
10	M7	Z	-.201	-.201	0	%100
11	M6A	X	.271	.271	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,%]
12	M6A	Z	-.157	-.157	0	%100
13	M7A	X	.271	.271	0	%100
14	M7A	Z	-.157	-.157	0	%100
15	M23A	X	1.085	1.085	0	%100
16	M23A	Z	-.627	-.627	0	%100
17	M24	X	1.085	1.085	0	%100
18	M24	Z	-.627	-.627	0	%100
19	M39A	X	.271	.271	0	%100
20	M39A	Z	-.157	-.157	0	%100
21	M40	X	.271	.271	0	%100
22	M40	Z	-.157	-.157	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.604	.604	0	%100
26	M56	Z	-.349	-.349	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.467	.467	0	%100
30	M75A	Z	-.27	-.27	0	%100
31	M22	X	.129	.129	0	%100
32	M22	Z	-.074	-.074	0	%100
33	MP5A	X	.516	.516	0	%100
34	MP5A	Z	-.298	-.298	0	%100
35	MP1A	X	.624	.624	0	%100
36	MP1A	Z	-.36	-.36	0	%100
37	MP2A	X	.516	.516	0	%100
38	MP2A	Z	-.298	-.298	0	%100
39	MP4A	X	.516	.516	0	%100
40	MP4A	Z	-.298	-.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	-.298	-.298	0	%100
43	MP5C	X	.516	.516	0	%100
44	MP5C	Z	-.298	-.298	0	%100
45	MP1C	X	.624	.624	0	%100
46	MP1C	Z	-.36	-.36	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	-.298	-.298	0	%100
49	MP4C	X	.516	.516	0	%100
50	MP4C	Z	-.298	-.298	0	%100
51	MP3C	X	.516	.516	0	%100
52	MP3C	Z	-.298	-.298	0	%100
53	MP5B	X	.516	.516	0	%100
54	MP5B	Z	-.298	-.298	0	%100
55	MP1B	X	.624	.624	0	%100
56	MP1B	Z	-.36	-.36	0	%100
57	MP2B	X	.516	.516	0	%100
58	MP2B	Z	-.298	-.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	-.298	-.298	0	%100
61	MP3B	X	.516	.516	0	%100
62	MP3B	Z	-.298	-.298	0	%100
63	M74	X	.75	.75	0	%100
64	M74	Z	-.433	-.433	0	%100
65	M75	X	.071	.071	0	%100
66	M75	Z	-.041	-.041	0	%100
67	M74B	X	.516	.516	0	%100
68	M74B	Z	-.298	-.298	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,%]
69	M75B	X	.129	.129	0	%100
70	M75B	Z	-.074	-.074	0	%100
71	M72	X	.071	.071	0	%100
72	M72	Z	-.041	-.041	0	%100
73	M73	X	.749	.749	0	%100
74	M73	Z	-.432	-.432	0	%100
75	M74C	X	.634	.634	0	%100
76	M74C	Z	-.366	-.366	0	%100
77	M75C	X	.636	.636	0	%100
78	M75C	Z	-.367	-.367	0	%100
79	M78	X	.645	.645	0	%100
80	M78	Z	-.373	-.373	0	%100
81	M81	X	.143	.143	0	%100
82	M81	Z	-.083	-.083	0	%100
83	M84	X	.181	.181	0	%100
84	M84	Z	-.104	-.104	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	.719	.719	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.93	.93	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.537	.537	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.134	.134	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.134	.134	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	.94	.94	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	.94	.94	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	.94	.94	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	.94	.94	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.233	.233	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.233	.233	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.18	.18	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	.18	.18	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	.595	.595	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	.721	.721	0	%100
36	MP1A	Z	0	0	0	%100
37	MP2A	X	.595	.595	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,%]
38	MP2A	Z	0	0	0	%100
39	MP4A	X	.595	.595	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	.595	.595	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	.595	.595	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	.721	.721	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	.595	.595	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	.595	.595	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	.595	.595	0	%100
52	MP3C	Z	0	0	0	%100
53	MP5B	X	.595	.595	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	.721	.721	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	.595	.595	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	.595	.595	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	.595	.595	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	1.038	1.038	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	.256	.256	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	.446	.446	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	.446	.446	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	.388	.388	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	.386	.386	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	.255	.255	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	1.038	1.038	0	%100
78	M75C	Z	0	0	0	%100
79	M78	X	.581	.581	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	.538	.538	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	.000826	.000826	0	%100
84	M84	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	.467	.467	0	%100
2	M1	Z	.27	.27	0	%100
3	M2	X	.604	.604	0	%100
4	M2	Z	.349	.349	0	%100
5	M5	X	.349	.349	0	%100
6	M5	Z	.201	.201	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,%]
7	M6	X	.349	.349	0	%100
8	M6	Z	.201	.201	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.271	.271	0	%100
12	M6A	Z	.157	.157	0	%100
13	M7A	X	.271	.271	0	%100
14	M7A	Z	.157	.157	0	%100
15	M23A	X	.271	.271	0	%100
16	M23A	Z	.157	.157	0	%100
17	M24	X	.271	.271	0	%100
18	M24	Z	.157	.157	0	%100
19	M39A	X	1.085	1.085	0	%100
20	M39A	Z	.627	.627	0	%100
21	M40	X	1.085	1.085	0	%100
22	M40	Z	.627	.627	0	%100
23	M55	X	.604	.604	0	%100
24	M55	Z	.349	.349	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	.467	.467	0	%100
28	M74A	Z	.27	.27	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	.129	.129	0	%100
32	M22	Z	.074	.074	0	%100
33	MP5A	X	.516	.516	0	%100
34	MP5A	Z	.298	.298	0	%100
35	MP1A	X	.624	.624	0	%100
36	MP1A	Z	.36	.36	0	%100
37	MP2A	X	.516	.516	0	%100
38	MP2A	Z	.298	.298	0	%100
39	MP4A	X	.516	.516	0	%100
40	MP4A	Z	.298	.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP5C	X	.516	.516	0	%100
44	MP5C	Z	.298	.298	0	%100
45	MP1C	X	.624	.624	0	%100
46	MP1C	Z	.36	.36	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP4C	X	.516	.516	0	%100
50	MP4C	Z	.298	.298	0	%100
51	MP3C	X	.516	.516	0	%100
52	MP3C	Z	.298	.298	0	%100
53	MP5B	X	.516	.516	0	%100
54	MP5B	Z	.298	.298	0	%100
55	MP1B	X	.624	.624	0	%100
56	MP1B	Z	.36	.36	0	%100
57	MP2B	X	.516	.516	0	%100
58	MP2B	Z	.298	.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3B	X	.516	.516	0	%100
62	MP3B	Z	.298	.298	0	%100
63	M74	X	.634	.634	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,%]
64	M74	Z	.366	.366	0	%100
65	M75	X	.636	.636	0	%100
66	M75	Z	.367	.367	0	%100
67	M74B	X	.129	.129	0	%100
68	M74B	Z	.074	.074	0	%100
69	M75B	X	.516	.516	0	%100
70	M75B	Z	.298	.298	0	%100
71	M72	X	.75	.75	0	%100
72	M72	Z	.433	.433	0	%100
73	M73	X	.071	.071	0	%100
74	M73	Z	.041	.041	0	%100
75	M74C	X	.071	.071	0	%100
76	M74C	Z	.041	.041	0	%100
77	M75C	X	.749	.749	0	%100
78	M75C	Z	.432	.432	0	%100
79	M78	X	.181	.181	0	%100
80	M78	Z	.104	.104	0	%100
81	M81	X	.645	.645	0	%100
82	M81	Z	.373	.373	0	%100
83	M84	X	.143	.143	0	%100
84	M84	Z	.083	.083	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	.09	.09	0	%100
2	M1	Z	.156	.156	0	%100
3	M2	X	.116	.116	0	%100
4	M2	Z	.201	.201	0	%100
5	M5	X	.067	.067	0	%100
6	M5	Z	.116	.116	0	%100
7	M6	X	.268	.268	0	%100
8	M6	Z	.465	.465	0	%100
9	M7	X	.067	.067	0	%100
10	M7	Z	.116	.116	0	%100
11	M6A	X	.47	.47	0	%100
12	M6A	Z	.814	.814	0	%100
13	M7A	X	.47	.47	0	%100
14	M7A	Z	.814	.814	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	.47	.47	0	%100
20	M39A	Z	.814	.814	0	%100
21	M40	X	.47	.47	0	%100
22	M40	Z	.814	.814	0	%100
23	M55	X	.465	.465	0	%100
24	M55	Z	.806	.806	0	%100
25	M56	X	.116	.116	0	%100
26	M56	Z	.201	.201	0	%100
27	M74A	X	.36	.36	0	%100
28	M74A	Z	.623	.623	0	%100
29	M75A	X	.09	.09	0	%100
30	M75A	Z	.156	.156	0	%100
31	M22	X	.223	.223	0	%100
32	M22	Z	.387	.387	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,%]
33	MP5A	X	.298	.298	0	%100
34	MP5A	Z	.516	.516	0	%100
35	MP1A	X	.36	.36	0	%100
36	MP1A	Z	.624	.624	0	%100
37	MP2A	X	.298	.298	0	%100
38	MP2A	Z	.516	.516	0	%100
39	MP4A	X	.298	.298	0	%100
40	MP4A	Z	.516	.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP5C	X	.298	.298	0	%100
44	MP5C	Z	.516	.516	0	%100
45	MP1C	X	.36	.36	0	%100
46	MP1C	Z	.624	.624	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP4C	X	.298	.298	0	%100
50	MP4C	Z	.516	.516	0	%100
51	MP3C	X	.298	.298	0	%100
52	MP3C	Z	.516	.516	0	%100
53	MP5B	X	.298	.298	0	%100
54	MP5B	Z	.516	.516	0	%100
55	MP1B	X	.36	.36	0	%100
56	MP1B	Z	.624	.624	0	%100
57	MP2B	X	.298	.298	0	%100
58	MP2B	Z	.516	.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3B	X	.298	.298	0	%100
62	MP3B	Z	.516	.516	0	%100
63	M74	X	.127	.127	0	%100
64	M74	Z	.221	.221	0	%100
65	M75	X	.519	.519	0	%100
66	M75	Z	.899	.899	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	.223	.223	0	%100
70	M75B	Z	.387	.387	0	%100
71	M72	X	.519	.519	0	%100
72	M72	Z	.899	.899	0	%100
73	M73	X	.128	.128	0	%100
74	M73	Z	.222	.222	0	%100
75	M74C	X	.194	.194	0	%100
76	M74C	Z	.336	.336	0	%100
77	M75C	X	.193	.193	0	%100
78	M75C	Z	.334	.334	0	%100
79	M78	X	.000413	.000413	0	%100
80	M78	Z	.000715	.000715	0	%100
81	M81	X	.29	.29	0	%100
82	M81	Z	.503	.503	0	%100
83	M84	X	.269	.269	0	%100
84	M84	Z	.466	.466	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

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,%]
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	.403	.403	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.403	.403	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.253	1.253	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	1.253	1.253	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	.313	.313	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	.313	.313	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	.313	.313	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	.313	.313	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	.698	.698	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	.698	.698	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	.54	.54	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	.54	.54	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	.595	.595	0	%100
33	MP5A	X	0	0	0	%100
34	MP5A	Z	.595	.595	0	%100
35	MP1A	X	0	0	0	%100
36	MP1A	Z	.721	.721	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	.595	.595	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	.595	.595	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	.595	.595	0	%100
43	MP5C	X	0	0	0	%100
44	MP5C	Z	.595	.595	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	.721	.721	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.595	.595	0	%100
49	MP4C	X	0	0	0	%100
50	MP4C	Z	.595	.595	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	.595	.595	0	%100
53	MP5B	X	0	0	0	%100
54	MP5B	Z	.595	.595	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	.721	.721	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	.595	.595	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,%]
59	MP4B	X	0	0	0	%100
60	MP4B	Z	.595	.595	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	.595	.595	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	.082	.082	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	.864	.864	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	.149	.149	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	.149	.149	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	.732	.732	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.734	.734	0	%100
75	M74C	X	0	0	0	%100
76	M74C	Z	.866	.866	0	%100
77	M75C	X	0	0	0	%100
78	M75C	Z	.082	.082	0	%100
79	M78	X	0	0	0	%100
80	M78	Z	.165	.165	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	.208	.208	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	.745	.745	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	-.09	-.09	0	%100
2	M1	Z	.156	.156	0	%100
3	M2	X	-.116	-.116	0	%100
4	M2	Z	.201	.201	0	%100
5	M5	X	-.067	-.067	0	%100
6	M5	Z	.116	.116	0	%100
7	M6	X	-.067	-.067	0	%100
8	M6	Z	.116	.116	0	%100
9	M7	X	-.268	-.268	0	%100
10	M7	Z	.465	.465	0	%100
11	M6A	X	-.47	-.47	0	%100
12	M6A	Z	.814	.814	0	%100
13	M7A	X	-.47	-.47	0	%100
14	M7A	Z	.814	.814	0	%100
15	M23A	X	-.47	-.47	0	%100
16	M23A	Z	.814	.814	0	%100
17	M24	X	-.47	-.47	0	%100
18	M24	Z	.814	.814	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	-.116	-.116	0	%100
24	M55	Z	.201	.201	0	%100
25	M56	X	-.465	-.465	0	%100
26	M56	Z	.806	.806	0	%100
27	M74A	X	-.09	-.09	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,%]
28	M74A	Z	.156	.156	0	%100
29	M75A	X	-.36	-.36	0	%100
30	M75A	Z	.623	.623	0	%100
31	M22	X	-.223	-.223	0	%100
32	M22	Z	.387	.387	0	%100
33	MP5A	X	-.298	-.298	0	%100
34	MP5A	Z	.516	.516	0	%100
35	MP1A	X	-.36	-.36	0	%100
36	MP1A	Z	.624	.624	0	%100
37	MP2A	X	-.298	-.298	0	%100
38	MP2A	Z	.516	.516	0	%100
39	MP4A	X	-.298	-.298	0	%100
40	MP4A	Z	.516	.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP5C	X	-.298	-.298	0	%100
44	MP5C	Z	.516	.516	0	%100
45	MP1C	X	-.36	-.36	0	%100
46	MP1C	Z	.624	.624	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP4C	X	-.298	-.298	0	%100
50	MP4C	Z	.516	.516	0	%100
51	MP3C	X	-.298	-.298	0	%100
52	MP3C	Z	.516	.516	0	%100
53	MP5B	X	-.298	-.298	0	%100
54	MP5B	Z	.516	.516	0	%100
55	MP1B	X	-.36	-.36	0	%100
56	MP1B	Z	.624	.624	0	%100
57	MP2B	X	-.298	-.298	0	%100
58	MP2B	Z	.516	.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3B	X	-.298	-.298	0	%100
62	MP3B	Z	.516	.516	0	%100
63	M74	X	-.194	-.194	0	%100
64	M74	Z	.336	.336	0	%100
65	M75	X	-.193	-.193	0	%100
66	M75	Z	.334	.334	0	%100
67	M74B	X	-.223	-.223	0	%100
68	M74B	Z	.387	.387	0	%100
69	M75B	X	0	0	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-.127	-.127	0	%100
72	M72	Z	.221	.221	0	%100
73	M73	X	-.519	-.519	0	%100
74	M73	Z	.899	.899	0	%100
75	M74C	X	-.519	-.519	0	%100
76	M74C	Z	.899	.899	0	%100
77	M75C	X	-.128	-.128	0	%100
78	M75C	Z	.222	.222	0	%100
79	M78	X	-.269	-.269	0	%100
80	M78	Z	.466	.466	0	%100
81	M81	X	-.000413	-.000413	0	%100
82	M81	Z	.000715	.000715	0	%100
83	M84	X	-.29	-.29	0	%100
84	M84	Z	.503	.503	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	-.467	-.467	0	%100
2	M1	Z	.27	.27	0	%100
3	M2	X	-.604	-.604	0	%100
4	M2	Z	.349	.349	0	%100
5	M5	X	-.349	-.349	0	%100
6	M5	Z	.201	.201	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.349	-.349	0	%100
10	M7	Z	.201	.201	0	%100
11	M6A	X	-.271	-.271	0	%100
12	M6A	Z	.157	.157	0	%100
13	M7A	X	-.271	-.271	0	%100
14	M7A	Z	.157	.157	0	%100
15	M23A	X	-1.085	-1.085	0	%100
16	M23A	Z	.627	.627	0	%100
17	M24	X	-1.085	-1.085	0	%100
18	M24	Z	.627	.627	0	%100
19	M39A	X	-.271	-.271	0	%100
20	M39A	Z	.157	.157	0	%100
21	M40	X	-.271	-.271	0	%100
22	M40	Z	.157	.157	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.604	-.604	0	%100
26	M56	Z	.349	.349	0	%100
27	M74A	X	0	0	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.467	-.467	0	%100
30	M75A	Z	.27	.27	0	%100
31	M22	X	-.129	-.129	0	%100
32	M22	Z	.074	.074	0	%100
33	MP5A	X	-.516	-.516	0	%100
34	MP5A	Z	.298	.298	0	%100
35	MP1A	X	-.624	-.624	0	%100
36	MP1A	Z	.36	.36	0	%100
37	MP2A	X	-.516	-.516	0	%100
38	MP2A	Z	.298	.298	0	%100
39	MP4A	X	-.516	-.516	0	%100
40	MP4A	Z	.298	.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP5C	X	-.516	-.516	0	%100
44	MP5C	Z	.298	.298	0	%100
45	MP1C	X	-.624	-.624	0	%100
46	MP1C	Z	.36	.36	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP4C	X	-.516	-.516	0	%100
50	MP4C	Z	.298	.298	0	%100
51	MP3C	X	-.516	-.516	0	%100
52	MP3C	Z	.298	.298	0	%100
53	MP5B	X	-.516	-.516	0	%100
54	MP5B	Z	.298	.298	0	%100
55	MP1B	X	-.624	-.624	0	%100
56	MP1B	Z	.36	.36	0	%100
57	MP2B	X	-.516	-.516	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,%]
58	MP2B	Z	.298	.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3B	X	-.516	-.516	0	%100
62	MP3B	Z	.298	.298	0	%100
63	M74	X	-.75	-.75	0	%100
64	M74	Z	.433	.433	0	%100
65	M75	X	-.071	-.071	0	%100
66	M75	Z	.041	.041	0	%100
67	M74B	X	-.516	-.516	0	%100
68	M74B	Z	.298	.298	0	%100
69	M75B	X	-.129	-.129	0	%100
70	M75B	Z	.074	.074	0	%100
71	M72	X	-.071	-.071	0	%100
72	M72	Z	.041	.041	0	%100
73	M73	X	-.749	-.749	0	%100
74	M73	Z	.432	.432	0	%100
75	M74C	X	-.634	-.634	0	%100
76	M74C	Z	.366	.366	0	%100
77	M75C	X	-.636	-.636	0	%100
78	M75C	Z	.367	.367	0	%100
79	M78	X	-.645	-.645	0	%100
80	M78	Z	.373	.373	0	%100
81	M81	X	-.143	-.143	0	%100
82	M81	Z	.083	.083	0	%100
83	M84	X	-.181	-.181	0	%100
84	M84	Z	.104	.104	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	-.719	-.719	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.93	-.93	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-.537	-.537	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.134	-.134	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.134	-.134	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	-.94	-.94	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-.94	-.94	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-.94	-.94	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-.94	-.94	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.233	-.233	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.233	-.233	0	%100
26	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M74A	X	-.18	-.18	0	%100
28	M74A	Z	0	0	0	%100
29	M75A	X	-.18	-.18	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	MP5A	X	-.595	-.595	0	%100
34	MP5A	Z	0	0	0	%100
35	MP1A	X	-.721	-.721	0	%100
36	MP1A	Z	0	0	0	%100
37	MP2A	X	-.595	-.595	0	%100
38	MP2A	Z	0	0	0	%100
39	MP4A	X	-.595	-.595	0	%100
40	MP4A	Z	0	0	0	%100
41	MP3A	X	-.595	-.595	0	%100
42	MP3A	Z	0	0	0	%100
43	MP5C	X	-.595	-.595	0	%100
44	MP5C	Z	0	0	0	%100
45	MP1C	X	-.721	-.721	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-.595	-.595	0	%100
48	MP2C	Z	0	0	0	%100
49	MP4C	X	-.595	-.595	0	%100
50	MP4C	Z	0	0	0	%100
51	MP3C	X	-.595	-.595	0	%100
52	MP3C	Z	0	0	0	%100
53	MP5B	X	-.595	-.595	0	%100
54	MP5B	Z	0	0	0	%100
55	MP1B	X	-.721	-.721	0	%100
56	MP1B	Z	0	0	0	%100
57	MP2B	X	-.595	-.595	0	%100
58	MP2B	Z	0	0	0	%100
59	MP4B	X	-.595	-.595	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3B	X	-.595	-.595	0	%100
62	MP3B	Z	0	0	0	%100
63	M74	X	-1.038	-1.038	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-.256	-.256	0	%100
66	M75	Z	0	0	0	%100
67	M74B	X	-.446	-.446	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-.446	-.446	0	%100
70	M75B	Z	0	0	0	%100
71	M72	X	-.388	-.388	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-.386	-.386	0	%100
74	M73	Z	0	0	0	%100
75	M74C	X	-.255	-.255	0	%100
76	M74C	Z	0	0	0	%100
77	M75C	X	-1.038	-1.038	0	%100
78	M75C	Z	0	0	0	%100
79	M78	X	-.581	-.581	0	%100
80	M78	Z	0	0	0	%100
81	M81	X	-.538	-.538	0	%100
82	M81	Z	0	0	0	%100
83	M84	X	-.000826	-.000826	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,%]
84	M84	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	-.467	-.467	0	%100
2	M1	Z	-.27	-.27	0	%100
3	M2	X	-.604	-.604	0	%100
4	M2	Z	-.349	-.349	0	%100
5	M5	X	-.349	-.349	0	%100
6	M5	Z	-.201	-.201	0	%100
7	M6	X	-.349	-.349	0	%100
8	M6	Z	-.201	-.201	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.271	-.271	0	%100
12	M6A	Z	-.157	-.157	0	%100
13	M7A	X	-.271	-.271	0	%100
14	M7A	Z	-.157	-.157	0	%100
15	M23A	X	-.271	-.271	0	%100
16	M23A	Z	-.157	-.157	0	%100
17	M24	X	-.271	-.271	0	%100
18	M24	Z	-.157	-.157	0	%100
19	M39A	X	-1.085	-1.085	0	%100
20	M39A	Z	-.627	-.627	0	%100
21	M40	X	-1.085	-1.085	0	%100
22	M40	Z	-.627	-.627	0	%100
23	M55	X	-.604	-.604	0	%100
24	M55	Z	-.349	-.349	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M74A	X	-.467	-.467	0	%100
28	M74A	Z	-.27	-.27	0	%100
29	M75A	X	0	0	0	%100
30	M75A	Z	0	0	0	%100
31	M22	X	-.129	-.129	0	%100
32	M22	Z	-.074	-.074	0	%100
33	MP5A	X	-.516	-.516	0	%100
34	MP5A	Z	-.298	-.298	0	%100
35	MP1A	X	-.624	-.624	0	%100
36	MP1A	Z	-.36	-.36	0	%100
37	MP2A	X	-.516	-.516	0	%100
38	MP2A	Z	-.298	-.298	0	%100
39	MP4A	X	-.516	-.516	0	%100
40	MP4A	Z	-.298	-.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	-.298	-.298	0	%100
43	MP5C	X	-.516	-.516	0	%100
44	MP5C	Z	-.298	-.298	0	%100
45	MP1C	X	-.624	-.624	0	%100
46	MP1C	Z	-.36	-.36	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	-.298	-.298	0	%100
49	MP4C	X	-.516	-.516	0	%100
50	MP4C	Z	-.298	-.298	0	%100
51	MP3C	X	-.516	-.516	0	%100
52	MP3C	Z	-.298	-.298	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,%]
53	MP5B	X	-.516	-.516	0	%100
54	MP5B	Z	-.298	-.298	0	%100
55	MP1B	X	-.624	-.624	0	%100
56	MP1B	Z	-.36	-.36	0	%100
57	MP2B	X	-.516	-.516	0	%100
58	MP2B	Z	-.298	-.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	-.298	-.298	0	%100
61	MP3B	X	-.516	-.516	0	%100
62	MP3B	Z	-.298	-.298	0	%100
63	M74	X	-.634	-.634	0	%100
64	M74	Z	-.366	-.366	0	%100
65	M75	X	-.636	-.636	0	%100
66	M75	Z	-.367	-.367	0	%100
67	M74B	X	-.129	-.129	0	%100
68	M74B	Z	-.074	-.074	0	%100
69	M75B	X	-.516	-.516	0	%100
70	M75B	Z	-.298	-.298	0	%100
71	M72	X	-.75	-.75	0	%100
72	M72	Z	-.433	-.433	0	%100
73	M73	X	-.071	-.071	0	%100
74	M73	Z	-.041	-.041	0	%100
75	M74C	X	-.071	-.071	0	%100
76	M74C	Z	-.041	-.041	0	%100
77	M75C	X	-.749	-.749	0	%100
78	M75C	Z	-.432	-.432	0	%100
79	M78	X	-.181	-.181	0	%100
80	M78	Z	-.104	-.104	0	%100
81	M81	X	-.645	-.645	0	%100
82	M81	Z	-.373	-.373	0	%100
83	M84	X	-.143	-.143	0	%100
84	M84	Z	-.083	-.083	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	-.09	-.09	0	%100
2	M1	Z	-.156	-.156	0	%100
3	M2	X	-.116	-.116	0	%100
4	M2	Z	-.201	-.201	0	%100
5	M5	X	-.067	-.067	0	%100
6	M5	Z	-.116	-.116	0	%100
7	M6	X	-.268	-.268	0	%100
8	M6	Z	-.465	-.465	0	%100
9	M7	X	-.067	-.067	0	%100
10	M7	Z	-.116	-.116	0	%100
11	M6A	X	-.47	-.47	0	%100
12	M6A	Z	-.814	-.814	0	%100
13	M7A	X	-.47	-.47	0	%100
14	M7A	Z	-.814	-.814	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	-.47	-.47	0	%100
20	M39A	Z	-.814	-.814	0	%100
21	M40	X	-.47	-.47	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,%]
22	M40	Z	-.814	-.814	0	%100
23	M55	X	-.465	-.465	0	%100
24	M55	Z	-.806	-.806	0	%100
25	M56	X	-.116	-.116	0	%100
26	M56	Z	-.201	-.201	0	%100
27	M74A	X	-.36	-.36	0	%100
28	M74A	Z	-.623	-.623	0	%100
29	M75A	X	-.09	-.09	0	%100
30	M75A	Z	-.156	-.156	0	%100
31	M22	X	-.223	-.223	0	%100
32	M22	Z	-.387	-.387	0	%100
33	MP5A	X	-.298	-.298	0	%100
34	MP5A	Z	-.516	-.516	0	%100
35	MP1A	X	-.36	-.36	0	%100
36	MP1A	Z	-.624	-.624	0	%100
37	MP2A	X	-.298	-.298	0	%100
38	MP2A	Z	-.516	-.516	0	%100
39	MP4A	X	-.298	-.298	0	%100
40	MP4A	Z	-.516	-.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	-.516	-.516	0	%100
43	MP5C	X	-.298	-.298	0	%100
44	MP5C	Z	-.516	-.516	0	%100
45	MP1C	X	-.36	-.36	0	%100
46	MP1C	Z	-.624	-.624	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP4C	X	-.298	-.298	0	%100
50	MP4C	Z	-.516	-.516	0	%100
51	MP3C	X	-.298	-.298	0	%100
52	MP3C	Z	-.516	-.516	0	%100
53	MP5B	X	-.298	-.298	0	%100
54	MP5B	Z	-.516	-.516	0	%100
55	MP1B	X	-.36	-.36	0	%100
56	MP1B	Z	-.624	-.624	0	%100
57	MP2B	X	-.298	-.298	0	%100
58	MP2B	Z	-.516	-.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3B	X	-.298	-.298	0	%100
62	MP3B	Z	-.516	-.516	0	%100
63	M74	X	-.127	-.127	0	%100
64	M74	Z	-.221	-.221	0	%100
65	M75	X	-.519	-.519	0	%100
66	M75	Z	-.899	-.899	0	%100
67	M74B	X	0	0	0	%100
68	M74B	Z	0	0	0	%100
69	M75B	X	-.223	-.223	0	%100
70	M75B	Z	-.387	-.387	0	%100
71	M72	X	-.519	-.519	0	%100
72	M72	Z	-.899	-.899	0	%100
73	M73	X	-.128	-.128	0	%100
74	M73	Z	-.222	-.222	0	%100
75	M74C	X	-.194	-.194	0	%100
76	M74C	Z	-.336	-.336	0	%100
77	M75C	X	-.193	-.193	0	%100
78	M75C	Z	-.334	-.334	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,%]
79	M78	X	-.000413	-.000413	0	%100
80	M78	Z	-.000715	-.000715	0	%100
81	M81	X	-.29	-.29	0	%100
82	M81	Z	-.503	-.503	0	%100
83	M84	X	-.269	-.269	0	%100
84	M84	Z	-.466	-.466	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,%]
1	M6	Y	-1.958	-9.388	0	1.95
2	M6	Y	-9.388	-16.819	1.95	3.899
3	M7	Y	-1.958	-9.388	0	1.95
4	M7	Y	-9.388	-16.819	1.95	3.899
5	M6A	Y	-9.791	-9.791	.01	7.236
6	M7A	Y	-2.052	-5.114	0	2.333
7	M7A	Y	-5.114	-9.052	2.333	4.667
8	M7A	Y	-9.052	-11.458	4.667	7
9	M7A	Y	-11.458	-9.052	7	9.333
10	M7A	Y	-9.052	-5.114	9.333	11.666
11	M7A	Y	-5.114	-2.052	11.666	14
12	M5	Y	-1.958	-9.388	0	1.95
13	M5	Y	-9.388	-16.819	1.95	3.899
14	M23A	Y	-9.791	-9.791	.01	7.236
15	M24	Y	-2.052	-5.114	0	2.333
16	M24	Y	-5.114	-9.052	2.333	4.667
17	M24	Y	-9.052	-11.458	4.667	7

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,%]
18	M24	Y	-11.458	-9.052	7	9.333
19	M24	Y	-9.052	-5.114	9.333	11.666
20	M24	Y	-5.114	-2.052	11.666	14
21	M39A	Y	-9.791	-9.791	.01	7.236
22	M40	Y	-2.052	-5.114	0	2.333
23	M40	Y	-5.114	-9.052	2.333	4.667
24	M40	Y	-9.052	-11.458	4.667	7
25	M40	Y	-11.458	-9.052	7	9.333
26	M40	Y	-9.052	-5.114	9.333	11.666
27	M40	Y	-5.114	-2.052	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 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	1942.992	11	1030.068	25	685.903	1	-.454	7	1.907	8	.258	42
2		min	-1767.205	5	206.633	7	-614.177	7	-2.818	25	-1.761	2	-.092	12
3	N123C	max	1188.266	10	1035.329	21	2069.06	1	1.268	22	1.988	7	2.089	20
4		min	-1078.705	4	271.665	3	-2049.018	7	.245	4	-2.068	1	.523	2
5	N126A	max	1172.112	10	1070.161	17	1778.448	1	1.28	16	1.557	12	-.433	12
6		min	-1247.105	4	232.16	11	-1799.437	7	.222	10	-1.563	6	-2.245	18
7	N141	max	-7.023	9	766.865	14	2619.327	14	0	51	0	51	0	51
8		min	-211.963	16	120.724	8	380.104	8	0	1	0	1	0	1
9	N145	max	206.47	22	725.371	24	2468.398	24	0	51	0	51	0	51
10		min	6.446	4	143.201	6	458.824	6	0	1	0	1	0	1
11	N146	max	2338.896	23	755.487	23	-189.037	4	0	51	0	51	0	51
12		min	343.453	5	126.677	5	-1110.566	22	0	1	0	1	0	1
13	N139	max	2031.748	19	722.846	19	-260.185	1	0	51	0	51	0	51
14		min	426.095	1	156.3	1	-1408.806	19	0	1	0	1	0	1
15	N140	max	-428.467	12	786.874	18	-287.304	1	0	51	0	51	0	51
16		min	-2224.333	18	158.81	12	-1532.636	19	0	1	0	1	0	1
17	N143B	max	-596.047	9	758.134	15	-307.23	10	0	51	0	51	0	51
18		min	-2345.128	15	205.565	9	-1108.815	16	0	1	0	1	0	1
19	Totals:	max	5325.503	10	7172.184	22	6150.631	1						
20		min	-5325.497	4	3352.015	4	-6150.627	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	HSS4X4X4	.202	0	2	.061	0	z	5	138724.943	139518	16.181	16.181	1...	H1-1b
2	M2	HSS4.5X4.5...	.103	0	34	.039	0	y	35	119859.928	121302	16.25	16.25	1...	H1-1b
3	M5	LL3x3x5x0	.074	0	3	.013	3.899	z	10	100330.21	115344	8.136	5.678	1...	H1-1b
4	M6	LL3x3x5x0	.078	0	12	.014	3.899	z	6	100330.21	115344	8.136	5.678	2...	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
5	M7	LL3x3x5x0	.050	0	7	.011	3.899	z	2	100330.21	115344	8.136	5.678	2....	H1-1b
6	M6A	L3X3X5	.209	3.623	2	.012	3.623	z	20	18077.53	57672	2.015	4.182	1....	H2-1
7	M7A	L3X3X5	.441	14	6	.163	7	z	25	4842.921	57672	2.015	3.623	1....	H2-1
8	M23A	L3X3X5	.215	3.623	8	.011	3.623	z	23	18077.53	57672	2.015	4.193	1....	H2-1
9	M24	L3X3X5	.494	14	2	.130	6.854	y	9	4842.921	57672	2.015	3.538	1....	H2-1
10	M39A	L3X3X5	.186	3.623	6	.012	3.623	z	16	18077.53	57672	2.015	4.169	1....	H2-1
11	M40	L3X3X5	.474	14	11	.093	7	y	5	4842.921	57672	2.015	3.522	1....	H2-1
12	M55	HSS4.5X4.5...	.089	0	6	.032	0	y	7	119859.928	121302	16.25	16.25	1....	H1-1b
13	M56	HSS4.5X4.5...	.101	0	2	.034	1.95	z	2	119859.928	121302	16.25	16.25	1....	H1-1b
14	M74A	HSS4X4X4	.217	0	8	.074	0	z	1	138724.944	139518	16.181	16.181	1....	H1-1b
15	M75A	HSS4X4X4	.209	0	6	.062	0	z	7	138724.943	139518	16.181	16.181	1....	H1-1b
16	M22	PIPE_2.0	.748	11.315	19	.190	11.458		19	5202.804	32130	1.872	1.872	2....	H1-1a
17	MP5A	PIPE_2.0	.178	3.5	2	.071	3.5		4	20866.733	32130	1.872	1.872	2....	H1-1b
18	MP1A	PIPE_2.0	.273	3.5	1	.137	3.5		9	20866.733	32130	1.872	1.872	2....	H1-1b
19	MP2A	PIPE_2.0	.203	3.5	48	.046	1.938		12	20866.733	32130	1.872	1.872	2....	H1-1b
20	MP4A	PIPE_2.0	.102	.625	8	.045	3.813		8	20866.733	32130	1.872	1.872	2....	H1-1b
21	MP3A	PIPE_2.0	.136	3.375	48	.062	3.375		12	20866.733	32130	1.872	1.872	2....	H1-1b
22	MP5C	PIPE_2.0	.270	3.5	37	.072	3.5		11	20866.733	32130	1.872	1.872	2....	H1-1b
23	MP1C	PIPE_2.0	.284	3.5	9	.137	.25		1	20866.733	32130	1.872	1.872	2....	H1-1b
24	MP2C	PIPE_2.0	.119	3.5	8	.056	1.938		8	20866.733	32130	1.872	1.872	2....	H1-1b
25	MP4C	PIPE_2.0	.165	3.813	46	.040	3.813		10	20866.733	32130	1.872	1.872	2....	H1-1b
26	MP3C	PIPE_2.0	.087	3	20	.059	3.375		10	20866.733	32130	1.872	1.872	1....	H1-1b
27	MP5B	PIPE_2.0	.168	3.5	6	.071	3.5		3	20866.733	32130	1.872	1.872	3....	H1-1b
28	MP1B	PIPE_2.0	.280	3.5	6	.144	.25		10	20866.733	32130	1.872	1.872	2....	H1-1b
29	MP2B	PIPE_2.0	.108	3.5	16	.059	.313		11	20866.733	32130	1.872	1.872	1....	H1-1b
30	MP4B	PIPE_2.0	.098	.625	12	.050	3.813		6	20866.733	32130	1.872	1.872	2....	H1-1b
31	MP3B	PIPE_2.0	.080	3.5	7	.052	3.5		7	20866.733	32130	1.872	1.872	1....	H1-1b
32	M74	L2.5x2.5x3	.136	2.852	16	.005	0	z	10	10095.014	29192.4	.873	1.556	1....	H2-1
33	M75	L2.5x2.5x3	.140	2.86	22	.005	5.72	z	12	10038.063	29192.4	.873	1.554	1....	H2-1
34	M74B	PIPE_2.0	.702	2.005	15	.194	11.315		14	5202.804	32130	1.872	1.872	2....	H1-1a
35	M75B	PIPE_2.0	.673	2.005	24	.196	11.315		21	5202.804	32130	1.872	1.872	2....	H1-1a
36	M72	L2.5x2.5x3	.136	2.852	24	.005	0	z	12	10095.014	29192.4	.873	1.556	1....	H2-1
37	M73	L2.5x2.5x3	.145	2.86	14	.005	5.72	z	8	10038.063	29192.4	.873	1.554	1....	H2-1
38	M74C	L2.5x2.5x3	.142	2.852	20	.005	5.704	z	8	10095.014	29192.4	.873	1.556	1....	H2-1
39	M75C	L2.5x2.5x3	.141	2.86	14	.005	5.72	z	10	10038.065	29192.4	.873	1.554	1....	H2-1
40	M78	L2.5x2.5x4	.275	1.639	18	.023	1.639	y	6	35319.934	38556	1.114	2.537	1....	H2-1
41	M81	L2.5x2.5x4	.282	0	8	.027	1.639	y	2	35319.934	38556	1.114	2.537	1....	H2-1
42	M84	L2.5x2.5x4	.236	1.639	14	.022	1.639	y	10	35319.934	38556	1.114	2.537	1....	H2-1

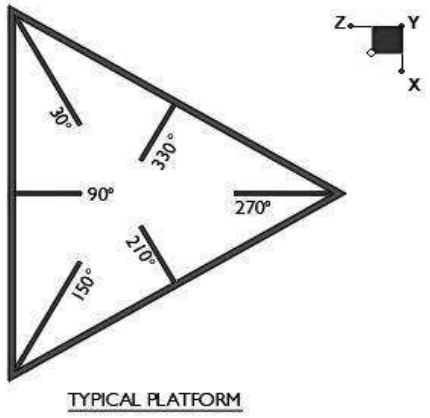
Client:	Verizon Wireless	Date:	5/20/2021
Site Name:	Milford 2 CT		
Project No.	21777071A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

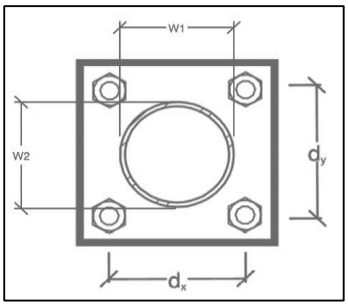
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N2	90
N123C	210
N126A	330



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	7.5
Plate Height (in):	7.5
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	1.60
Weld Capacity:	**38.2%**



Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	#N/A
$Phi*Mn_{xx}$ *(kip-in)* :	34.2
$Phi*Mn_{yy}$ *(kip-in)* :	34.2

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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 installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed 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 equipment 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 equipment.

        - 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
    - 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.

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 any other information the contractor deems necessary to share that was identified:

Issue:

Response:

Schedule A – Photo & Document File Structure

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

Structure: 468062-VZW - MILFORD 2 CT

Sector: **A**

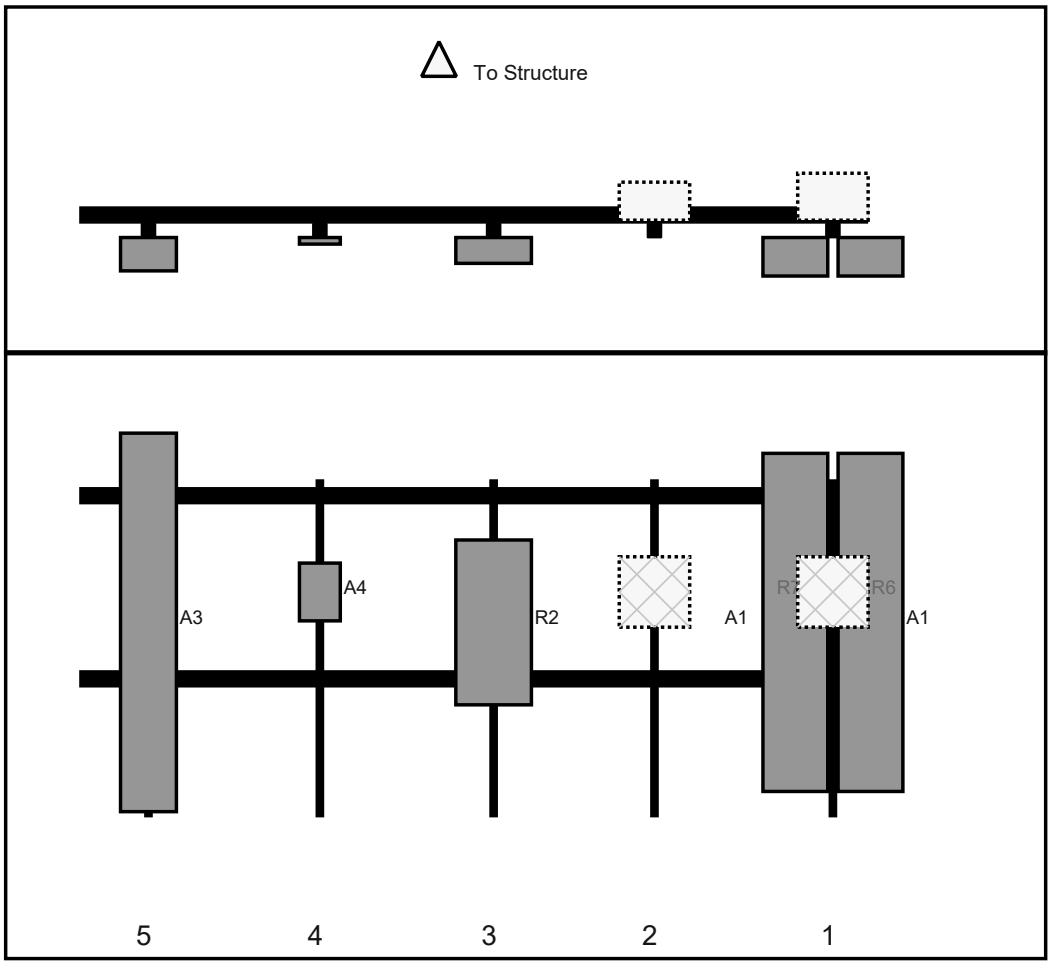
Structure Type: Monopole

Mount Elev: 103.50

5/20/2021

Plan View

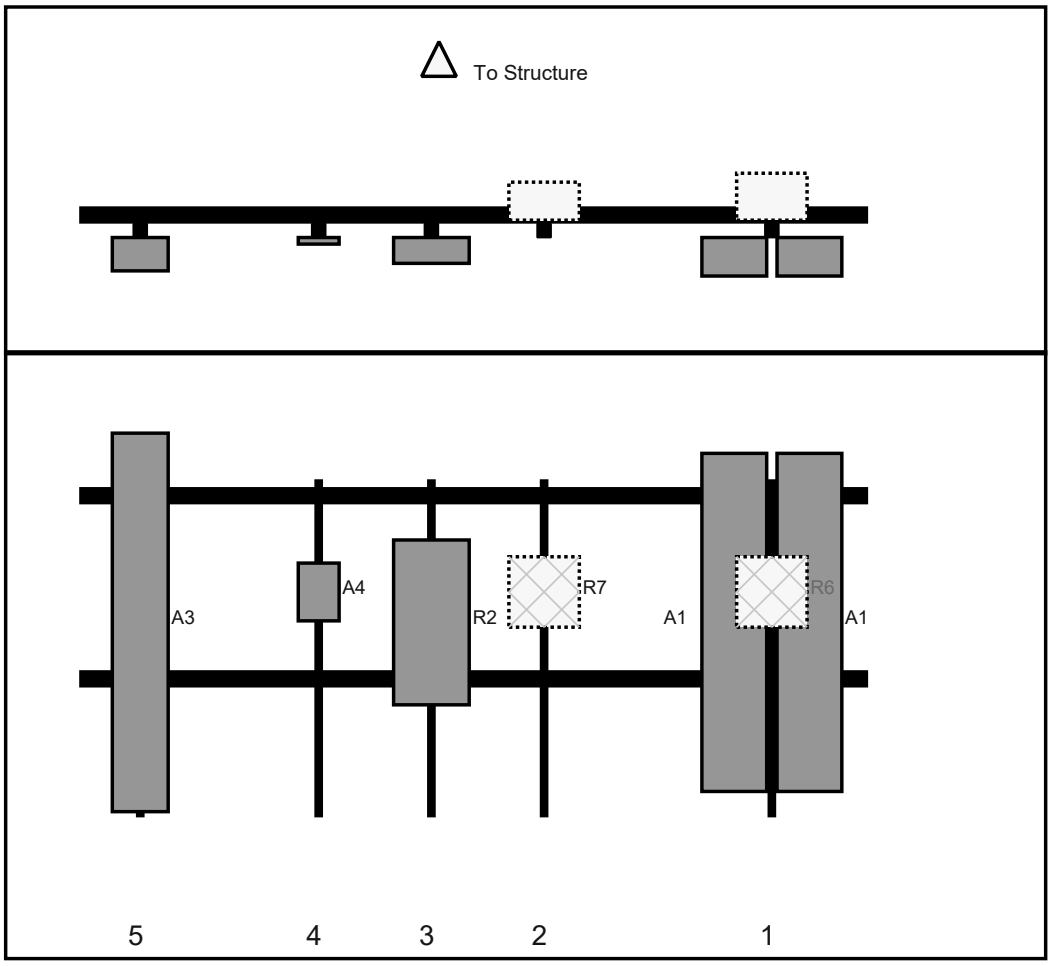
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	JAHH-65B-R3B	72	13.8	160.5	1	a	Front	30.48	8	Added	
A1	JAHH-65B-R3B	72	13.8	160.5	1	b	Front	30.48	-8	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	160.5	1	a	Behind	24	0	Retained	02/17/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	122.5	2	a	Behind	24	0	Retained	02/17/2021
R2	MT6407-77A	35.1	16.1	88.25	3	a	Front	30.48	0	Added	
A4	XXDWMM-12.5-65	12.3	8.7	51.25	4	a	Front	24	0	Retained	02/17/2021
A3	LNX-6514DS-A1M	80.6	11.9	14.75	5	a	Front	30.48	0	Retained	02/17/2021

Plan View

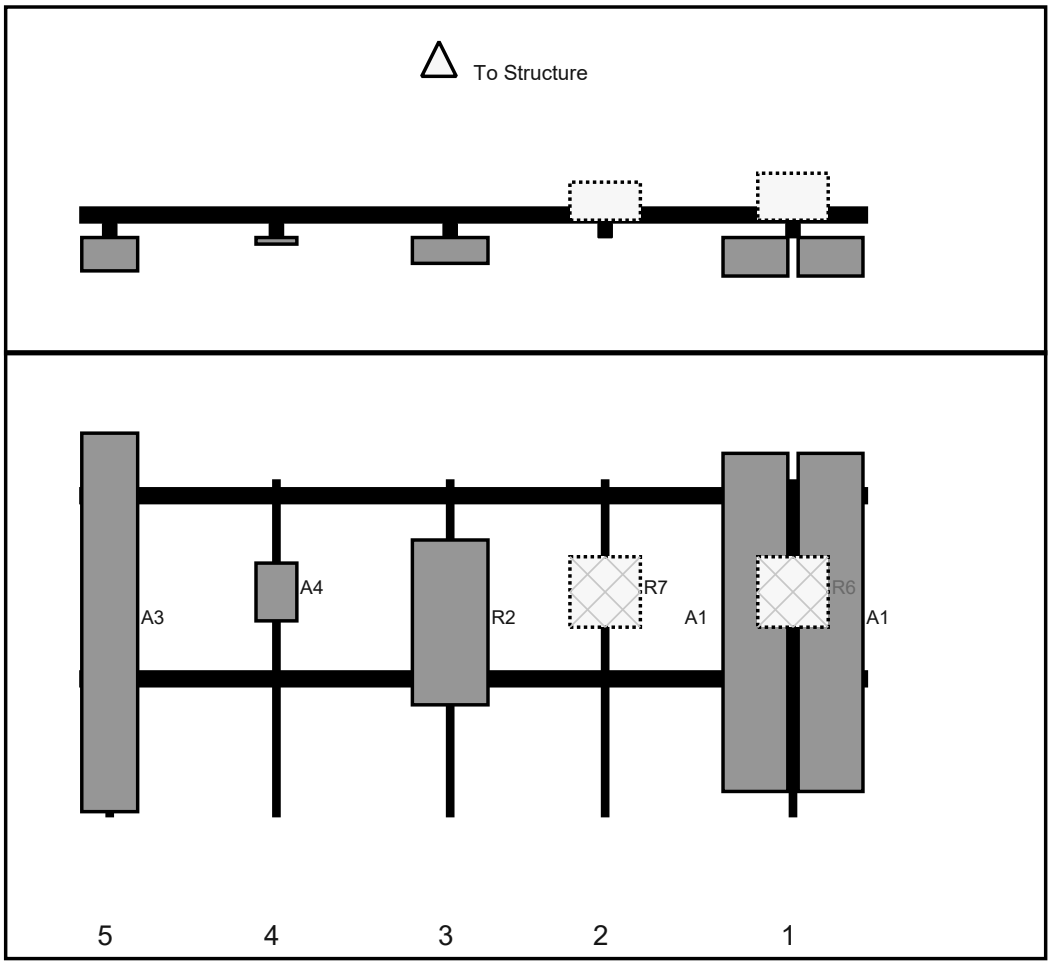
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	75	3	a	Front	30.48	0	Added	
A4	XXDWMM-12.5-65	12.3	8.7	51	4	a	Front	24	0	Retained	02/17/2021
A3	LNX-6514DS-A1M	80.6	11.9	13	5	a	Front	30.48	0	Retained	02/17/2021
A1	JAHH-65B-R3B	72	13.8	147.5	1	a	Front	30.48	8	Added	
A1	JAHH-65B-R3B	72	13.8	147.5	1	b	Front	30.48	-8	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	147.5	1	a	Behind	24	0	Retained	02/17/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	99	2	a	Behind	24	0	Retained	02/17/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	JAHH-65B-R3B	72	13.8	152	1	a	Front	30.48	8	Added	
A1	JAHH-65B-R3B	72	13.8	152	1	b	Front	30.48	-8	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	152	1	a	Behind	24	0	Retained	02/17/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	112	2	a	Behind	24	0	Retained	02/17/2021
R2	MT6407-77A	35.1	16.1	79	3	a	Front	30.48	0	Added	
A4	XXDWMM-12.5-65	12.3	8.7	42	4	a	Front	24	0	Retained	02/17/2021
A3	LNX-6514DS-A1M	80.6	11.9	6.5	5	a	Front	30.48	0	Retained	02/17/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*468062-VZW / MILFORD 2 CT*
	Site Name:	*MILFORD 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*111 SCHOOL HOUSE RD* *Milford, Connecticut 06461* *New Haven County*
	Latitude:	*41.212883°*
	Longitude:	*-73.084858°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Taqi Khawaja, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***MILFORD 2 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	648	2593	105	0.0085	0.5007	1.69%
VZW CDMA	877.26	2	337	674	105	0.0022	0.5848	0.38%
VZW Cellular	874	4	742	2969	105	0.0097	0.5827	1.66%
VZW PCS	1975	4	1561	6243	105	0.0204	1.0000	2.04%
VZW AWS	2120	4	1528	6112	105	0.0199	1.0000	1.99%
VZW CBRS	3625	4	11	42	106.8	0.0001	1.0000	0.01%
VZW CBAND	3730.08	4	6531	26125	105	0.0852	1.0000	8.52%
Total Percentage of Maximum Permissible Exposure								16.29%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

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

Absolute worst case maximum values used.

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.