CROWN CASTLE

1 Cityplace Dr, Suite 490

Creve Coeur, MO 63141

Phone: (314) 513-0147

www.crowncastle.com

April 23, 2021

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

RE: **Notice of Exempt Modification for T-Mobile**
Crown Site ID# 876316; T-Mobile Site ID# CTNH509A
21 Acorn Road, Branford, CT 06405
Latitude: 41° 17' 35.06" N / Longitude: -72° 45' 46.40" W

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 136-foot mount on the existing 147-foot Monopole Tower located at 21 Acorn Road. in Branford. The property is owned by 21 ACORN ROAD LLC and the Tower by Crown Castle. T-Mobile now intends to replace nine (9) existing 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:
(3) Ericsson - AIR21 KRC118023-_B2A_B4P Antennas **(REMOVE) –** (3) Ericsson-AIR6449 B41 Antennas **(REPLACE)**

(3) Andrew - LNX-6515DS-A1M Antennas **(REMOVE) -** (3) RFS APXVAALL24_43-U-NA20 Antennas **(REPLACE)**

(3) Ericson-AIR21 KRC118046-B2P_B4A Antennas **(REMOVE) –** (3) RFS APX16DWV-16DWV-S-E-A20 Antennas – **(REPLACE)**

Install New:
(3) Ericsson 4449 B71+B85A Radio
(3) Ericsson 4415 B66A Radio
(3) Ericsson 4424 B25 Radio
(1) Site Pro RMQP-496-HK Antenna Mount
(3) 6x24 Hybrid Cables

Remove:
(1) Antenna Mount
(1) 9x18 HCS Cable (1-5/8")
(6) COAX cables (1-5/8")
(3) Tower Mount Switches
(3) BIAS-Ts

Ground:

Remove and Replace:
(1) Battery Cabinet **(REMOVE)** – (1) B160 Cabinet **(REPLACE)**

Install New:
(1) 6160 Site Support Cabinet (SSC)

The facility was approved by the Town of Branford Planning and Zoning Commission by way of a Special Exception Application File #97-5.1 on September 4th, 1997.

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 James Cosgrove, First Selectman for the Town of Branford and Harry Smith, Town Planner Official for the Town of Branford. 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, T-Mobile 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).

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

Sincerely,

Colin Robinson

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive Suite 303
Chelmsford, MA 01824
crobinson@nbcllc.com
(360) 561-3311

cc:

James Cosgrove, First Selectman *(via email only to jcosgrove@branford-ct.gov)*
Town of Branford
1019 Main Street
Branford, CT 06405
203-315-0620

Harry Smith, Town Planner *(via email only to planningandzoning@branford-ct.gov)*
Town of Branford
1019 Main Street
Branford, CT 06405
203-488-1255

21 Acorn Road LLC *(via email only to asecondino@asecondinoandson.com)*
21 Acorn RD
Branford, CT 06405

Colin Robinson

From: Colin Robinson
Sent: Friday, April 23, 2021 1:11 PM
To: jcosgrove@branford-ct.gov
Cc: Colin Robinson
Subject: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316
Attachments: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316 04232021.pdf

Good Afternoon First Selectman Cosgrove,

Please see the attached application to the Connecticut Siting Council regarding antenna work on the existing cell tower located at 21 Acorn Rd Branford CT.

Should you have any questions/comments/concerns regarding this application, please do not hesitate to contact me.

Thank you,

Colin

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive | Suite 303 | Chelmsford, MA | 01824
M 360.561.3311

Colin Robinson

From: Colin Robinson
Sent: Friday, April 23, 2021 1:12 PM
To: planningandzoning@branford-ct.gov
Cc: Colin Robinson
Subject: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316
Attachments: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316 04232021.pdf

Good Afternoon Mr. Smith,

Please see the attached application to the Connecticut Siting Council regarding antenna work on the existing cell tower located at 21 Acorn Rd Branford CT.

Should you have any questions/comments/concerns regarding this application, please do not hesitate to contact me.

Thank you,

Colin

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive | Suite 303 | Chelmsford, MA | 01824
M 360.561.3311

Colin Robinson

From: Colin Robinson
Sent: Friday, April 23, 2021 1:11 PM
To: asecondino@asecondinoandson.com
Cc: Colin Robinson
Subject: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316
Attachments: CSC Exempt Modification Application 21 Acorn Rd Branford CT 876316 04232021.pdf

Good Afternoon,

Please see the attached application to the Connecticut Siting Council regarding antenna work on the existing cell tower located at 21 Acorn Rd Branford CT. You are being notified as the property owner.

Should you have any questions/comments/concerns regarding this application, please do not hesitate to contact me.

Thank you,

Colin

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive | Suite 303 | Chelmsford, MA | 01824
M 360.561.3311

Exhibit A

Original Facility Approval

H5/3/10

PLANNING AND ZONING COMMISSION
TOWN OF BRANFORD TOWN HALL DRIVE P.O. BOX 150
Branford, Connecticut 06405 488-1255

NOTICE OF DECISION

September 5, 1997

Sprint PCS
9 Barnes Industrial Road
Wallingford, Connecticut 06492

SUBJECT: Special Exception APPLICATION: #97-5.1

LOCATION: 21 Acorn Road

OWNER OF RECORD: Altrio Investment Group

Dear Sir:

At a meeting of the Branford Planning & Zoning Commission held on Thursday, September 4, 1997, the Commission voted to:

X Approve your above subject application with the conditions noted below.

Very truly yours,

Shirley Rasmussen
Town Planner

NOTE: This Special Exception shall become effective only after it is filed on the Land Records in the office of the Town Clerk.

1. Prior to issuance of a building permit, revise landscape plan to show plantings 5 to 6 feet in height on all four sides of the equipment area. 36" only 8 plants on two sides only

2. All users of the telecommunications facility must demonstrate compliance with current FCC regulations for electromagnetic frequency emissions and any future changes in these standards.

3. The owner of the telecommunications facility shall provide for and encourage co-location of other antennae on the facility.

NOTE: Special Exception shall become null and void in the event the applicant fails to obtain a building permit within one (1) year of date of approval.
(Per Section 31.7 of the Branford Zoning Regulations)

CC: Attorney John Knuff

Exhibit B

Property Card

21 ACORN RD

Location	21 ACORN RD	**Mblu**	H05/000 003/ 00010/ /
Acct#	008133	**Owner**	21 ACORN ROAD LLC
Assessment	$707,600	**Appraisal**	$1,010,700
PID	1176	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$569,600	$441,100	$1,010,700

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$398,800	$308,800	$707,600

Owner of Record

Owner	21 ACORN ROAD LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	21 ACORN RD BRANFORD, CT 06405	**Book & Page**	1279/0300
		Sale Date	03/17/2020
		Instrument	3

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
21 ACORN ROAD LLC	$0		1279/0300	3	03/17/2020
ALTRIO INVESTMENT GROUP LLC	$0		0568/0731		04/08/1994

Building Information

Building 1 : Section 1

Year Built:	2001
Living Area:	10,911
Replacement Cost:	$698,865
Building Percent Good:	70

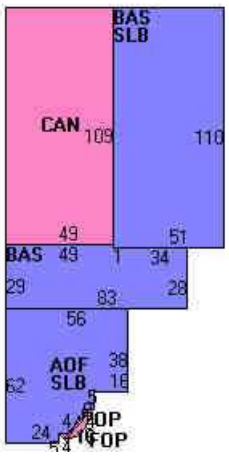
Replacement Cost
Less Depreciation: $489,200

Building Attributes	
Field	**Description**
STYLE	Warehouse
MODEL	Ind/Comm
Grade	B
Stories:	1
Occupancy	1
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	T&G/Rubber
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	COMM WHS MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	17
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\01\93/16.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/1176_1176.jp

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	7,983	7,983
AOF	Office	2,928	2,928
CAN	Canopy	5,341	0
FOP	Porch, Open	80	0
SLB	Slab	8,538	0
		24,870	10,911

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
SPR1	SPRINKLERS-WET	13324 S.F.	$14,000	1
SPR2	WET/CONCEALED	2928 S.F.	$4,100	1
A/C	AIR CONDITION	2928 S.F.	$4,500	1

GEN4	GEN 100+ KW PRMT BKP	0 UNITS	$30,000	1

Land

Land Use

Use Code	3160
Description	COMM WHS MDL96
Zone	IG-2
Neighborhood	350
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.56
Frontage	
Depth	
Assessed Value	$308,800
Appraised Value	$441,100

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAVING-ASPHALT			21000 S.F.	$24,300	1
FN3	FENCE-6' CHAIN			500 L.F.	$3,500	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$569,600	$441,100	$1,010,700
2019	$626,560	$485,210	$1,111,770
2018	$507,600	$428,300	$935,900

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$398,800	$308,800	$707,600
2019	$438,680	$339,680	$778,360
2018	$355,300	$299,900	$655,200


Connecticut Turnpike
Rodeway Inn & Suites
Branford - Guilford
Acorn Rd
Zuwallick Ln
Gould Ln
Stan Pak
Acorn Rd
Leetes Island Rd
St Therese Church (St.
John Bosco Parish)
Red Hill Rd

Exhibit C

Construction Drawings

T-MOBILE SITE NUMBER: CTNH509A
T-MOBILE SITE NAME: SECONDINO PROPERTY
SITE TYPE: MONOPOLE
TOWER HEIGHT: 147'-0"

BUSINESS UNIT #: 876316
SITE ADDRESS: 21 ACORN ROAD BRANFORD, CT 06405
COUNTY: NEW HAVEN
JURISDICTION: TOWN OF BRANFORD

T-MOBILE ANCHOR PROJECT

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	SECONDINO PROPERTY
SITE ADDRESS:	21 ACORN ROAD BRANFORD, CT 06405
COUNTY:	NEW HAVEN COUNTY
MAP/PARCEL #:	BRAN-00005H-000003-000010
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 17' 35.06" N
LONGITUDE:	72° 45' 46.40" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	116'-0"± AMSL
CURRENT ZONING:	IG-2
JURISDICTION:	TOWN OF BRANFORD
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	ALTRIO INVESTMENT GROUP LLC PO BOX 622 BRANFORD, CT 06405
TOWER OWNER:	GLOBAL SIGNAL ACQUISITIONS LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 922-4455
TELCO PROVIDER:	LIGHTOWER (845) 45-7720

PROJECT TEAM

A&E FIRM:	TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C. 1279 ROUTE 300 NEWBURGH, NY 12550 PHONE: (845) 567-6656
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 TRICIA PELON - PROJECT MANAGER (518) 424-2396 ------ - CONSTRUCTION MANAGER ------

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	SITE PLAN & EQUIPMENT PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	PLUBING DIAGRAM
C-5	EQUIPMENT SPECS
C-6	EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	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.

PROJECT DESCRIPTION

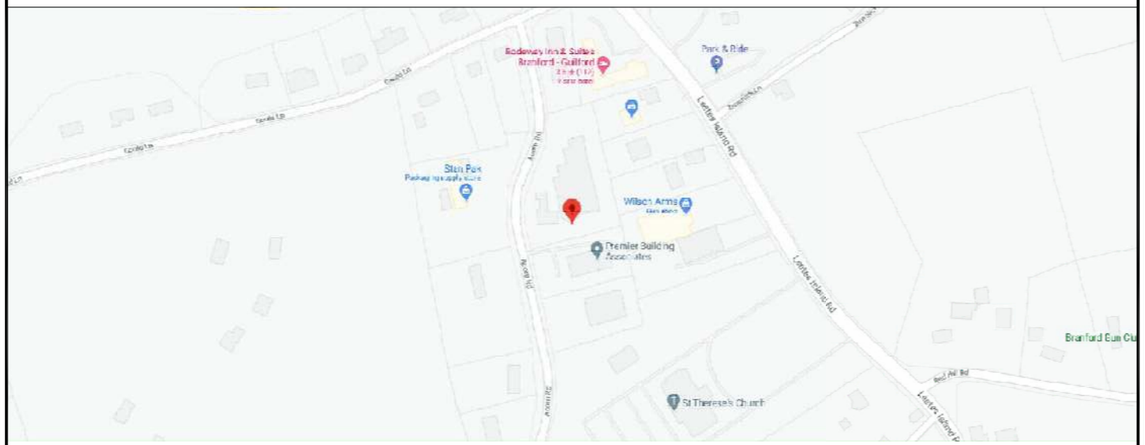
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (3) TOWER MOUNT SWITCHES
- REMOVE (3) BIAS-Ts
- REMOVE (1) 9X18 HYBRID CABLE
- REMOVE (6) 1-5/8" COAX CABLE
- INSTALL (9) ANTENNAS
- INSTALL (9) RRHs
- INSTALL (3) 6X24 HYBRID CABLE

GROUND SCOPE OF WORK:
- INSTALL (1) 6160 ENCLOSURE CABINET
- INSTALL (1) B160 BATTERY CABINET

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

LOCATION MAP



NO SCALE

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 BUILDING CODE/2015 IBC W/AMENDS.
MECHANICAL	2018 CT BUILDING CODE/2015 IMC W/AMENDS.
ELECTRICAL	2018 CT BUILDING CODE/2017 NEC W/AMENDS.

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	----
MOUNT ANALYSIS:	ENGINEERED TOWER SOLUTIONS, LLC. (PASSING)
DATED:	03/05/2021
RFDS REVISION:	5
DATED:	2/17/2021
ORDER ID:	544493
REVISION:	0

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

APPROVALS

APPROVAL	SIGNATURE	DATE
PROPERTY OWNER OR REP.		
LAND USE PLANNER		
T-MOBILE		
OPERATIONS		
RF		
NETWORK		
BACKHAUL		
CONSTRUCTION MANAGER		

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

T-Mobile
4 SYLVAN WAY
PARSIPPANY, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
70 Pleasant Hill Road — Phone: (845) 534-5959
P.O. Box 37 — (800) 828-6531
Mountainville, NY 10953 — www.tectonicengineering.com
Project Contact Info
1279 Route 300
Newburgh, NY 12550 — Phone: (845) 567-6656

TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----
				....

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

SHEET NUMBER: T-1

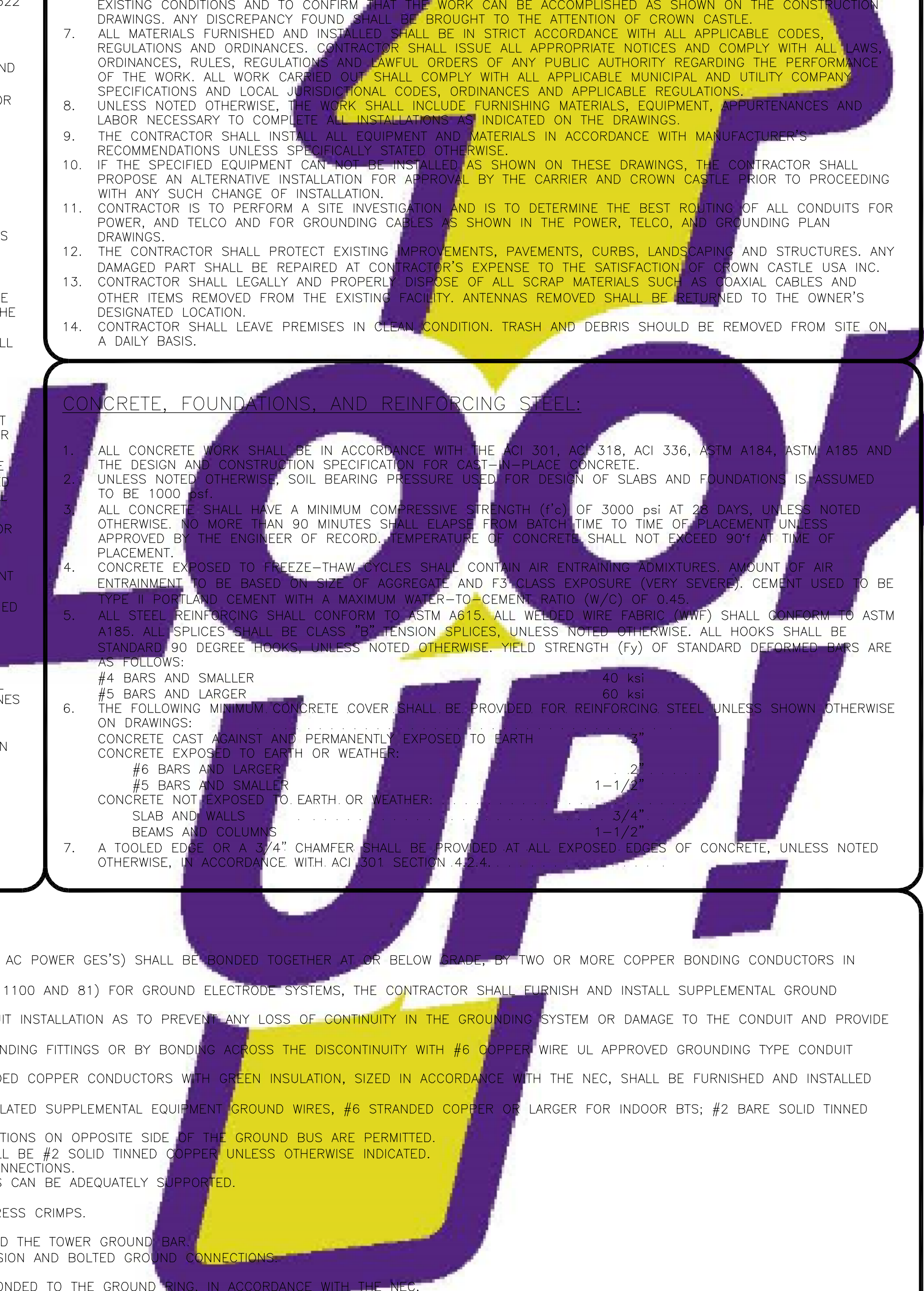
REVISION: A

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



CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

GREENFIELD GROUNDING NOTES:

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

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CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

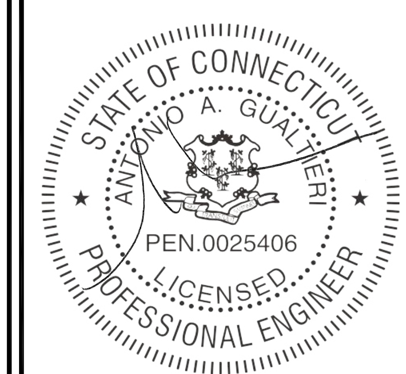
BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----

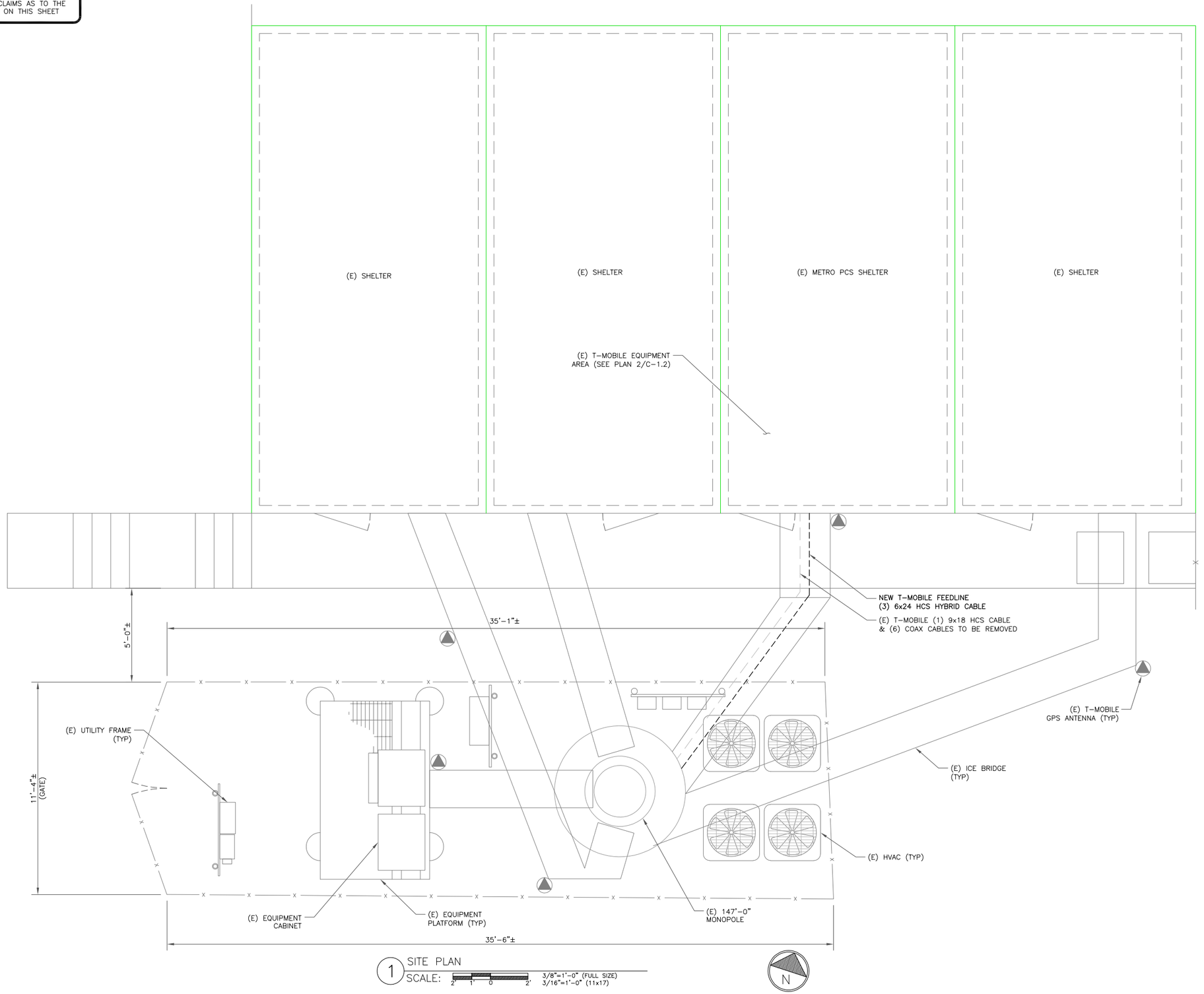


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:	REVISION:
T-2	A

SITE PLAN DISCLAIMER:

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET



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

T-Mobile

4 SYLVAN WAY
PARSIPPANY, NJ 07054

CROWN CASTLE

3530 TORINGDON WAY, SUITE 300
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TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

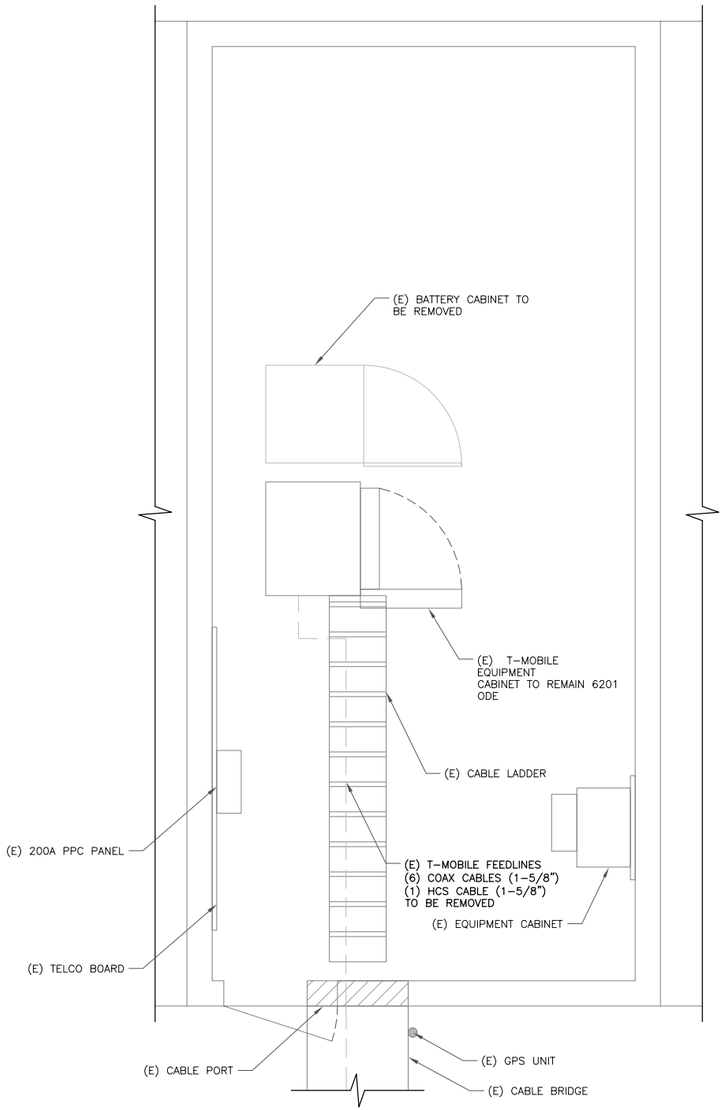
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----
				....

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

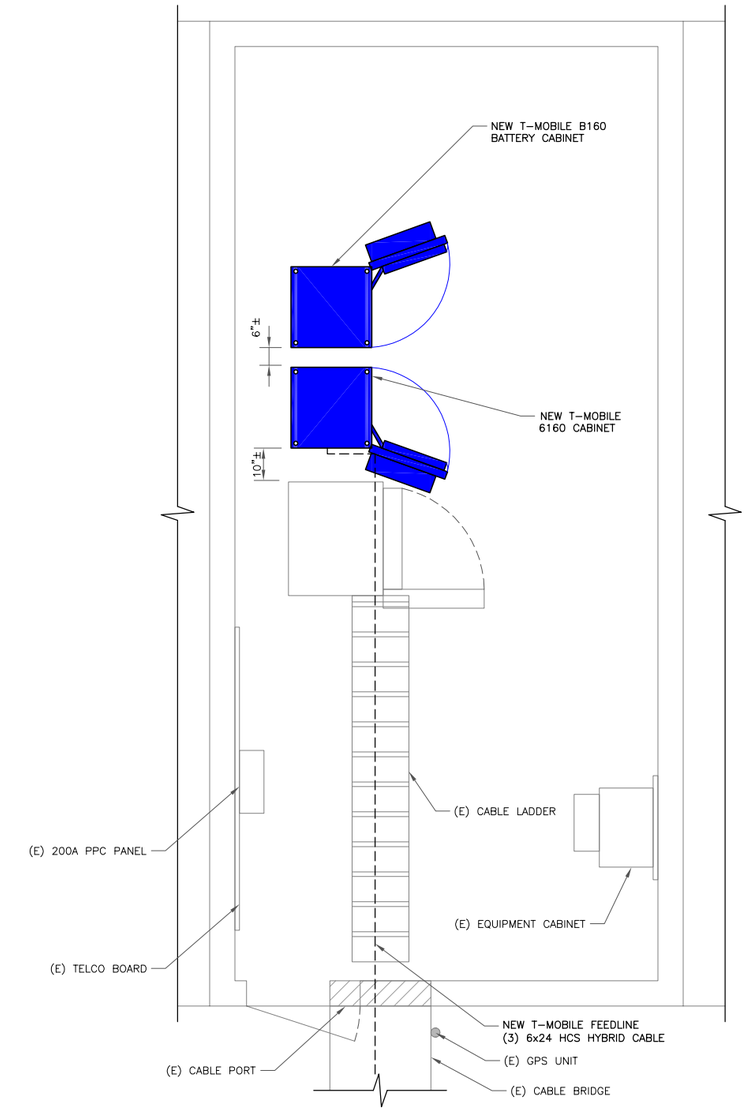
SHEET NUMBER: C-1.1

REVISION: A



1 EXIST EQUIPMENT PLAN (IN SHELTER)
SCALE: 2' 1' 0 2' 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

N



2 FINAL EQUIPMENT PLAN (IN SHELTER)
SCALE: 2' 1' 0 2' 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

N

T-Mobile
4 SYLVAN WAY
PARSIPPANY, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
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Project Contact Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

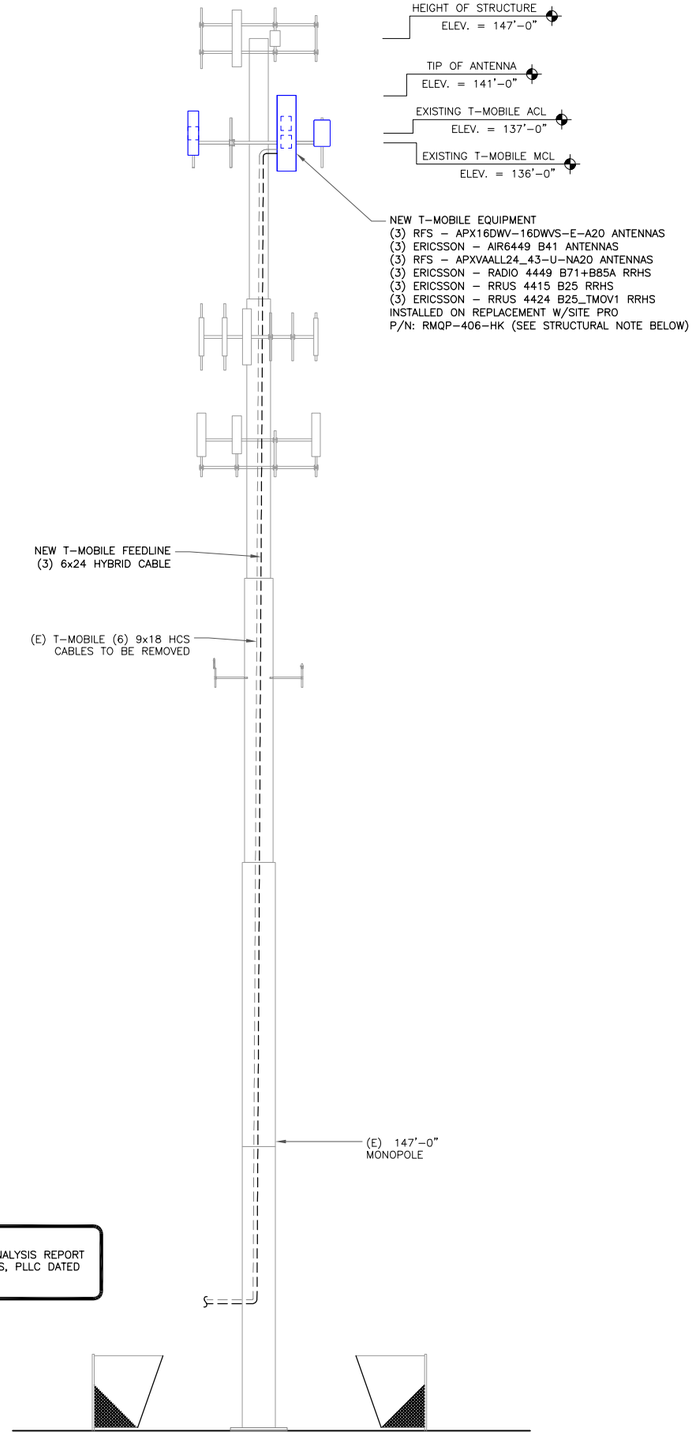
EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

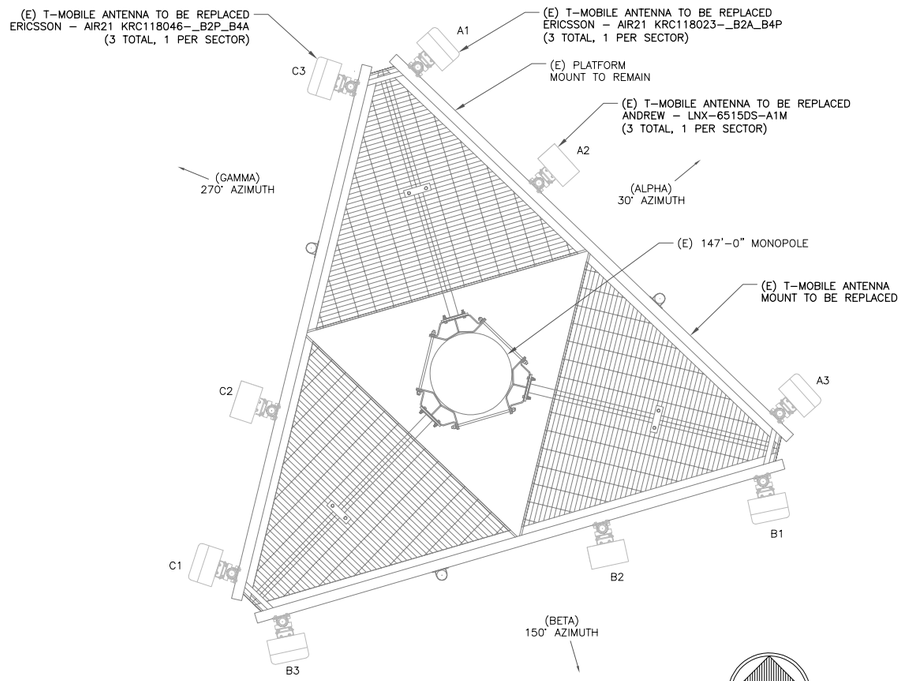
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----

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

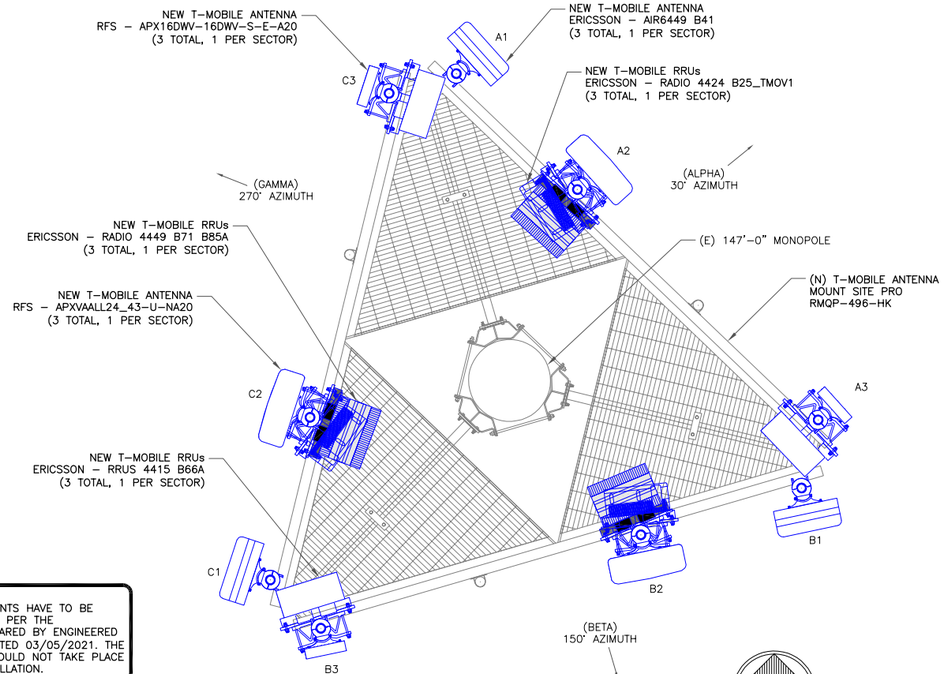
SHEET NUMBER: C-1.2
REVISION: A



1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE



STRUCTURAL NOTE:
THE EXISTING ANTENNA MOUNTS HAVE TO BE REPLACED WITH NEW MOUNT PER THE STRUCTURAL ANALYSIS PREPARED BY ENGINEERED TOWER SOLUTIONS, PLLC DATED 03/05/2021. THE PROPOSED INSTALLATION SHOULD NOT TAKE PLACE PRIOR TO THE MOUNT INSTALLATION.

3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

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T-MOBILE SITE NUMBER:
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BU #: **876316**
SECONDINO PROPERTY

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BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

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

SHEET NUMBER: C-2
REVISION: A

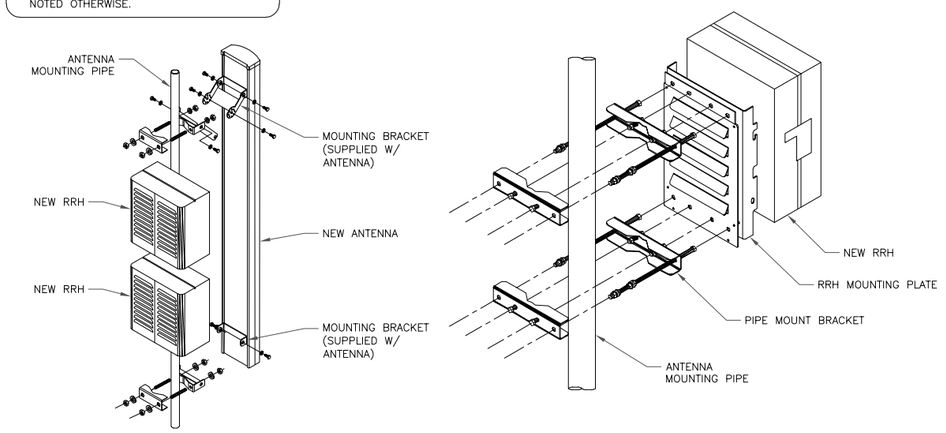
ANTENNA SCHEDULE

SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	L2500/N2500	137'-0"	30°	ERICSSON	AIR6449 B41	0°	2°/2°		(1) 6x24 HYBRID CABLE
ALPHA	A2	L700/L600/N600/ L1900/U2100	137'-0"	30°	RFS/CELWAVE	APXVAALL24_43-U-NA20	0°	2°/2°/2°/2°	(1) ERICSSON - RADIO 4449 B71+B85	
									(1) ERICSSON - RADIO 4415 B25	
ALPHA	A3	L2100/L1900/G1900	137'-0"	30°	RFS/CELWAVE	APX16DWV-16DWV-S-E-A20	0°	2°/2°	(1) ERICSSON - RADIO 4424 B25	
BETA	B1	L2500/N2500	137'-0"	150°	ERICSSON	AIR6449 B41	0°	2°/2°		(1) 6x24 HYBRID CABLE
BETA	B2	L700/L600/N600/ L1900/U2100	137'-0"	150°	RFS/CELWAVE	APXVAALL24_43-U-NA20	0°	2°/2°/2°/2°	(1) ERICSSON - RADIO 4449 B71+B85	
									(1) ERICSSON - RADIO 4415 B25	
BETA	B3	L2100/L1900/G1900	137'-0"	150°	RFS/CELWAVE	APX16DWV-16DWV-S-E-A20	0°	2°/2°	(1) ERICSSON - RADIO 4424 B25	
GAMMA	C1	L2500/N2500	137'-0"	270°	ERICSSON	AIR6449 B41	0°	2°/2°		(1) 6x24 HYBRID CABLE
GAMMA	C2	L700/L600/N600/ L1900/U2100	137'-0"	270°	RFS/CELWAVE	APXVAALL24_43-U-NA20	0°	2°/2°/2°/2°	(1) ERICSSON - RADIO 4449 B71+B85	
									(1) ERICSSON - RADIO 4415 B25	
GAMMA	C3	L2100/L1900/G1900	137'-0"	270°	RFS/CELWAVE	APX16DWV-16DWV-S-E-A20	0°	2°/2°	(1) ERICSSON - RADIO 4424 B25	

1 ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



2 ANTENNA WITH RRHs MOUNTING DETAIL
SCALE: NOT TO SCALE

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Newburgh, NY 12550 — Phone: (845) 567-6656

TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

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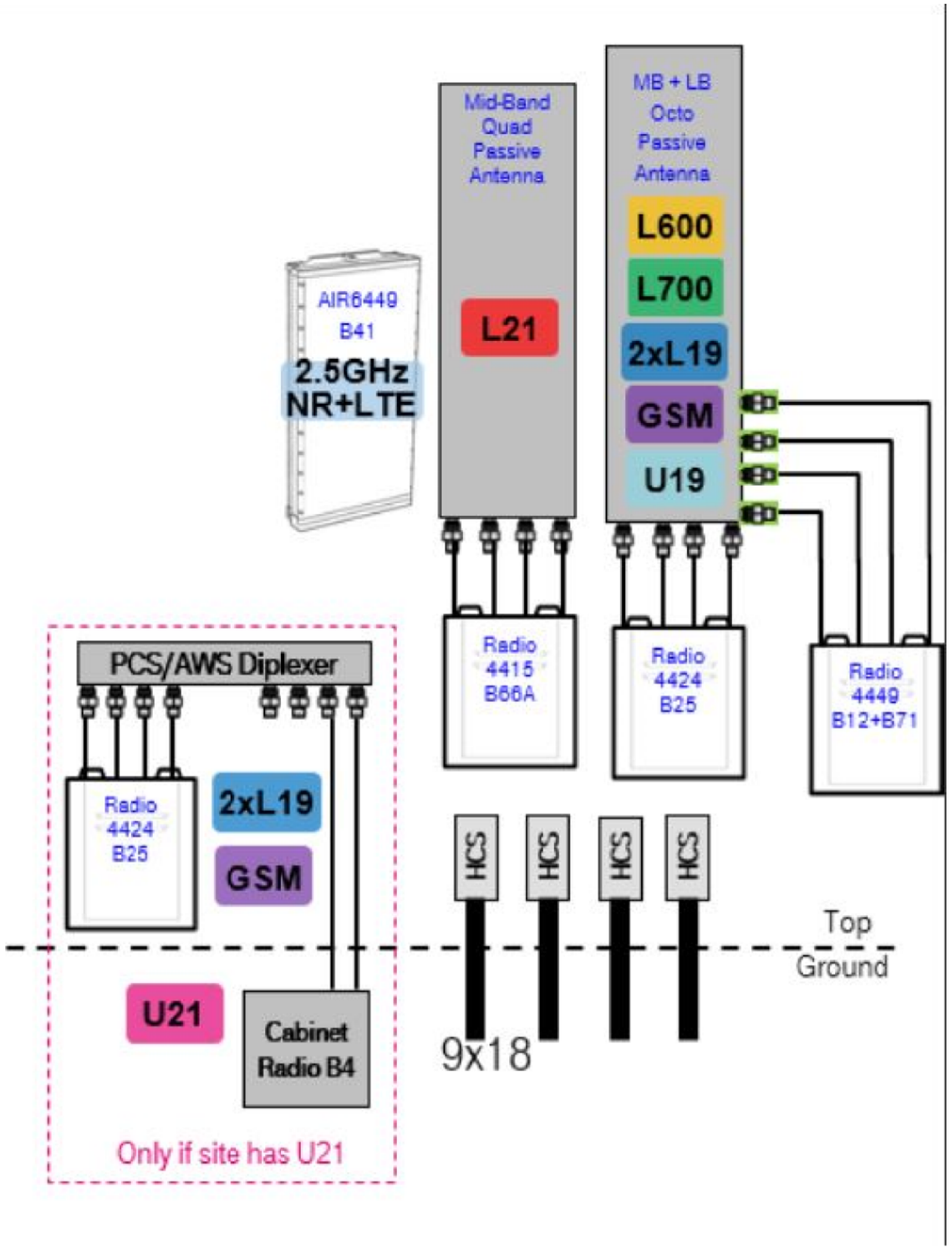
STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER: C-3

REVISION: A



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

NOTE:
PROPOSED (3) 6x12 HCS LINES. PLUMBING DIAGRAM SHOWN HERE IS GENERIC PER RFDS DATED 02/15/2021.

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Phone: (845) 567-6656
TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

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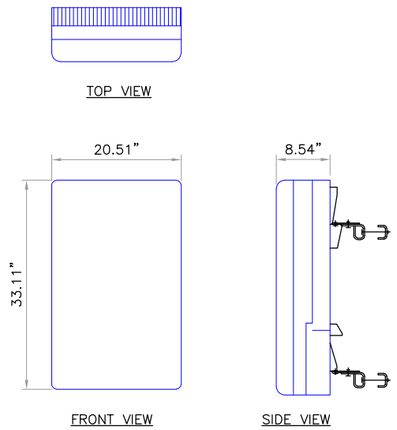
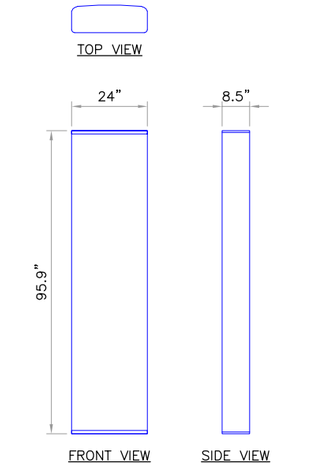
STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-4
REVISION: A



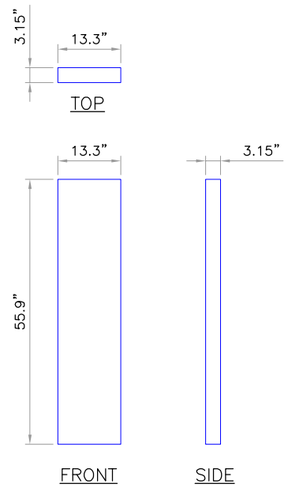
MANUFACTURER:		ERICSSON
MODEL NO.:		AIR6449 B41
DIMENSIONS		TOTAL WEIGHT:
A	33.11"	
B	20.51"	115 LBS
C	8.54"	

1 AIR6449 B41
SCALE: NOT TO SCALE



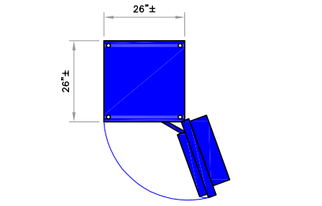
MANUFACTURER:		RFS
MODEL NO.:		APXVAALL24_43_U_NA20
DIMENSIONS		TOTAL WEIGHT:
A	95.9"	
B	24"	128 LBS
C	8.7"	

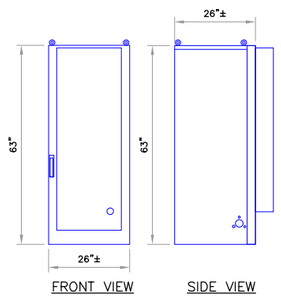
2 APXVAALL24_43_U_NA20
SCALE: NOT TO SCALE



MANUFACTURER:		RFS
MODEL NO.:		APX16DWV-16DWV-S-E-A20
DIMENSIONS		TOTAL WEIGHT:
A	55.9"	
B	13.3"	40.7 LBS
C	3.15"	

3 APX16DWV-16DWV-S-E-A20
SCALE: NOT TO SCALE



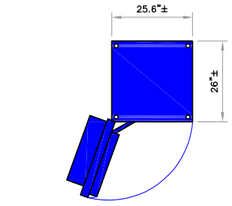


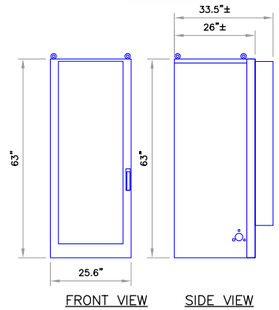
WEIGHT: 1883 LBS (W/3 BATTERY STRINGS)

ERICSSON ENCLOSURE B160

BATTERY CABINET B160

4 BATTERY CABINET B160
SCALE: NOT TO SCALE



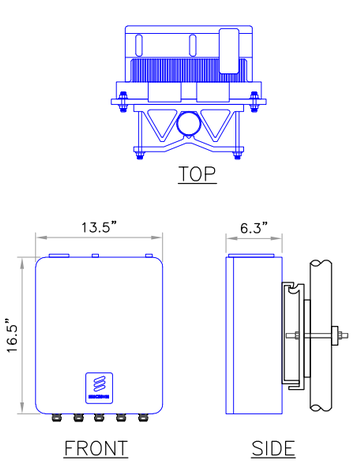


WEIGHT: 605 LB (FULLY LOADED)

ERICSSON ENCLOSURE 6160 AC

ENCLOSURE 6160 (OUTDOOR)

5 ENCLOSURE 6160 (OUTDOOR)
SCALE: NOT TO SCALE



MANUFACTURER:		ERICSSON
MODEL NO.:		RADIO-4415 B66A
DIMENSIONS		TOTAL WEIGHT:
A	16.5"	
B	13.5"	49.60 LBS
C	6.3"	

6 ERICSSON - RADIO-4415 B66A
SCALE: NOT TO SCALE

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BU #: **876316**
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BRANFORD, CT 06405

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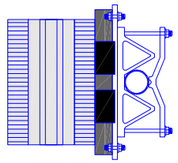
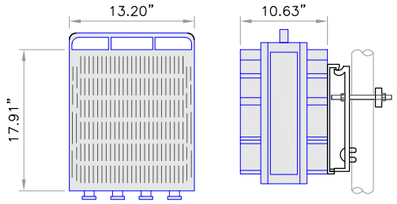
STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-5

REVISION: A



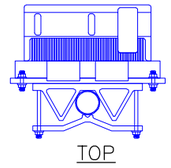
TOP VIEW



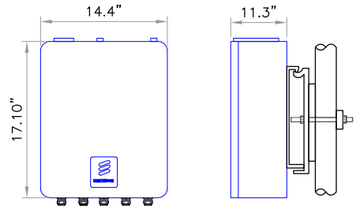
FRONT VIEW SIDE VIEW

MANUFACTURER:		ERICSSON
MODEL NO.:		RADIO-4449 B71+B85A
DIMENSIONS		TOTAL WEIGHT:
A	17.91"	
B	13.20"	73.21 LBS
C	10.63"	

1 ERICSSON – RADIO-4449
SCALE: NOT TO SCALE



TOP



FRONT SIDE

MANUFACTURER:		ERICSSON
MODEL NO.:		RADIO-4424 B25
DIMENSIONS		TOTAL WEIGHT:
A	17.10"	
B	14.4"	97.0 LBS
C	11.3"	

2 ERICSSON – RADIO-4424
SCALE: NOT TO SCALE

T-Mobile

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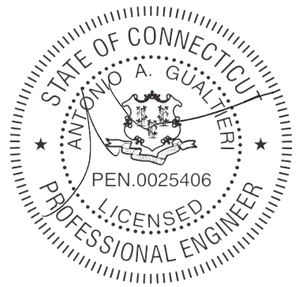


SHEET NUMBER: C-6

REVISION: A

T-MOBILE PANEL SCHEDULE

MAIN: 200 AMP MAIN BREAKER | **VOLTAGE/PHASE:** 120/240V, 1-PHASE, 3-WIRE | **SHORT CIRCUIT CURRENT RATING:** ----
MOUNTING: INSIDE PPC ENCLOSURE | **ENCLOSURE:** NEMA 3R | **SURGE PROTECTECTION DEVICE:** YES

DESCRIPTION	LOAD (VA)	C or NC	C/B	CIR No.	LOAD (VA) A-PHASE	LOAD (VA) B-PHASE	CIR No.	C/B	C or NC	LOAD (VA)	DESCRIPTION
SURGE PROTECTION DEVICE	0	NC	30	1	4800		2	60	C	4800	6201 CABINET
	0	NC		3		4800	4		C	4800	
LIGHT	200	NC	20	5	200		6				BLANK
SMOKE ALARM	180	C	20	7		180	8				
RECEPTACLE	180	NC	20	9	180		10				
FIBER	200	C	20	11		200	12				
				13	0		14				
				15		0	16				
				17	0		18				
				19		0	20				
				21	0		22				
				23		0	24				
BASE LOAD (VA) =					5180	5180					
25% OF CONTINUOUS LOAD (VA) =					1295	1295					
TOTAL LOAD (VA) =					6475	6475					
TOTAL LOAD (A) =					54	54					

C= CONTINUOUS LOAD, NC = NON-CONTINUOUS LOAD

**INDICATES NEW LOAD. ALL OTHER LOADS ARE EXISTING.
NEW BREAKER TO BE SAME TYPE AND HAVE SAME AIC RATING AS EXISTING.
CUSTOMER HAS NOT PROVIDED LOADS FOR EQUIPMENT CABINETS THEREFORE THE CABINET LOADS SHOWN

T-MOBILE PANEL SCHEDULE

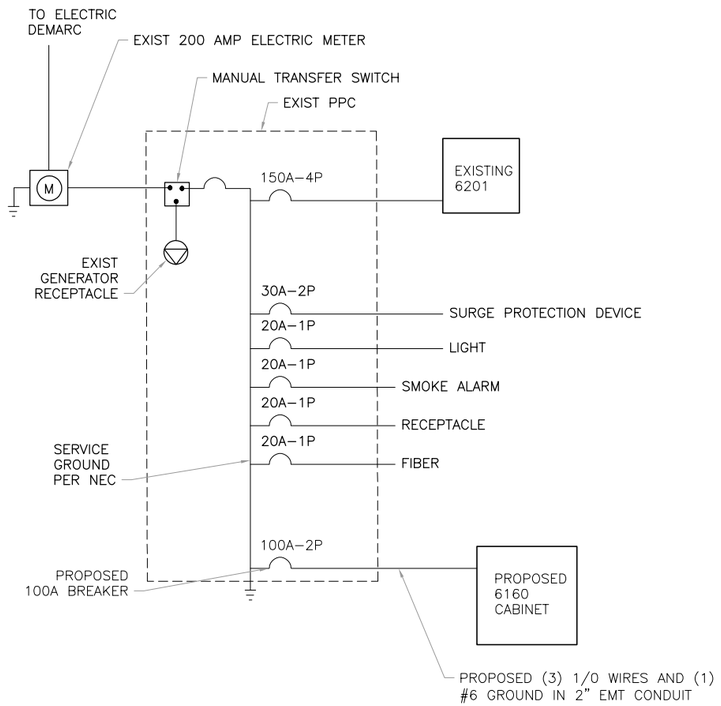
MAIN: 200 AMP MAIN BREAKER | **VOLTAGE/PHASE:** 120/240V, 1-PHASE, 3-WIRE | **SHORT CIRCUIT CURRENT RATING:** ----
MOUNTING: INSIDE PPC ENCLOSURE | **ENCLOSURE:** NEMA 3R | **SURGE PROTECTECTION DEVICE:** YES

DESCRIPTION	LOAD (VA)	C or NC	C/B	CIR No.	LOAD (VA) A-PHASE	LOAD (VA) B-PHASE	CIR No.	C/B	C or NC	LOAD (VA)	DESCRIPTION
SURGE PROTECTION DEVICE	0	NC	30	1	3600		2	150	C	3600	6201 CABINET**
	0	NC		3		3600	4		C	3600	
LIGHT	200	NC	20	5	3800		6		C	3600	
SMOKE ALARM	180	C	20	7		3780	8		C	3600	
RECEPTACLE	180	NC	20	9	3780		10	100	C	3600	6160 CABINET**
FIBER	200	C	20	11		3800	12		C	3600	
				13	0		14				BLANK
				15		0	16				
				17	0		18				
				19		0	20				
				21	0		22				
				23		0	24				
BASE LOAD (VA) =					11180	11180					
25% OF CONTINUOUS LOAD (VA) =					2795	2795					
TOTAL LOAD (VA) =					13975	13975					
TOTAL LOAD (A) =					116	116					

C= CONTINUOUS LOAD, NC = NON-CONTINUOUS LOAD

**INDICATES NEW LOAD. ALL OTHER LOADS ARE EXISTING.
NEW BREAKER TO BE SAME TYPE AND HAVE SAME AIC RATING AS EXISTING.
CUSTOMER HAS NOT PROVIDED LOADS FOR EQUIPMENT CABINETS THEREFORE THE CABINET LOADS SHOWN

1 AC PANEL SCHEDULE
SCALE: NOT TO SCALE



NOTE:
THE ABOVE DIAGRAM IS GENERIC AND ANY ELECTRICAL WORK SHALL BE COMPLETED BY AN ELECTRICIAN IN ACCORDANCE WITH NEC STANDARDS.

2 ONE LINE DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
4 SYLVAN WAY
PARSIPPANY, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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Project Contact info:
1279 Route 300
Newburgh, NY 12550 — Phone: (845) 567-6656
TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

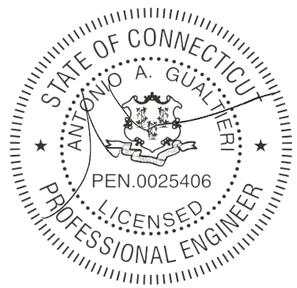
BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

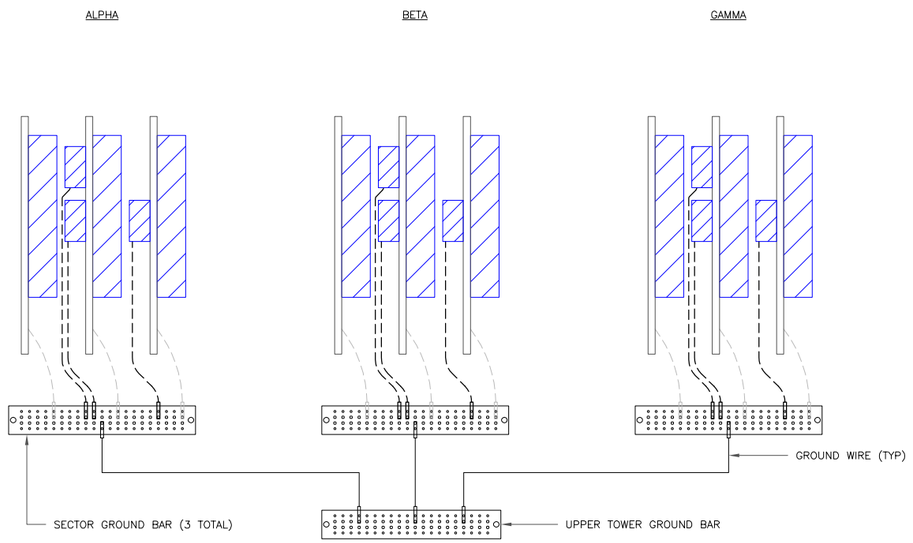
EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----
				....



SHEET NUMBER: E-1
REVISION: A



NOTE:

ALL NEW GROUNDS TO BE #6 STRANDED COPPER WITH GREEN INSULATION UNLESS NOTED OTHERWISE.

1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
4 SYLVAN WAY
PARSIPPANY, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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				....

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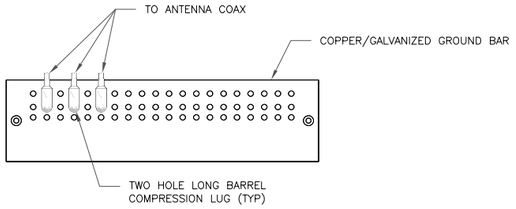
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER: G-1

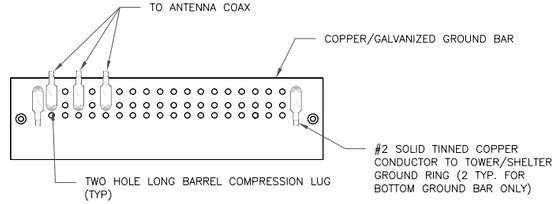
REVISION: A



NOTES:

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

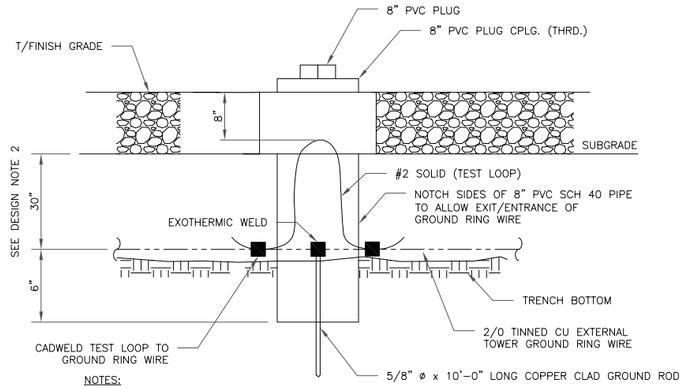
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

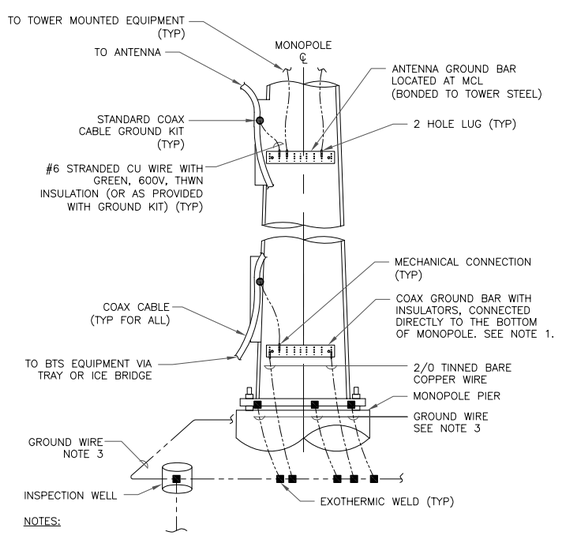
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

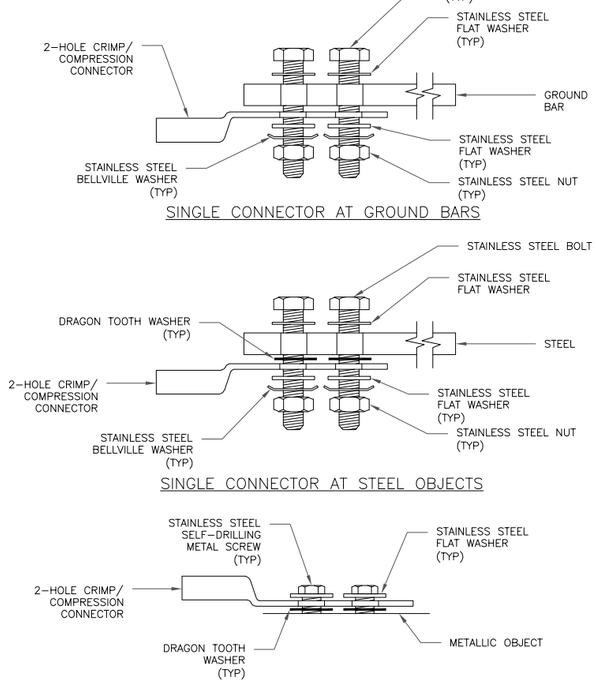
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



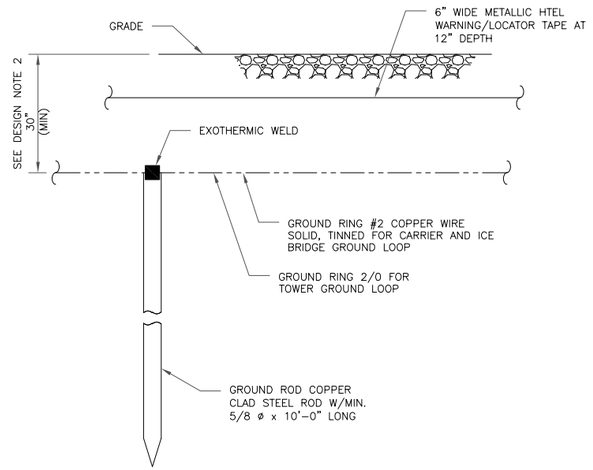
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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T-MOBILE SITE NUMBER:
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BU #: **876316**
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BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

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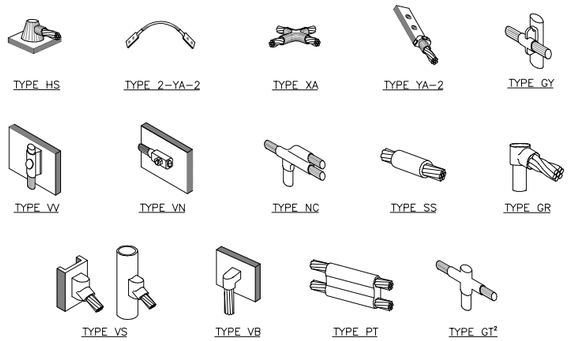
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER: G-2
REVISION: A

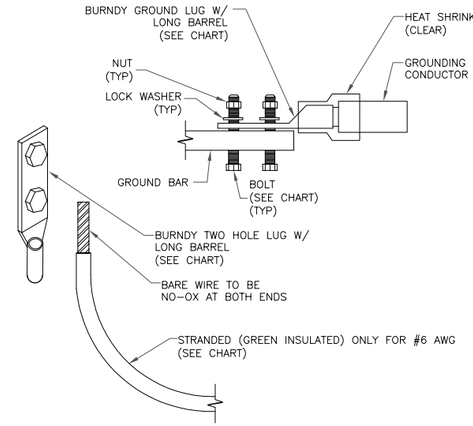


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

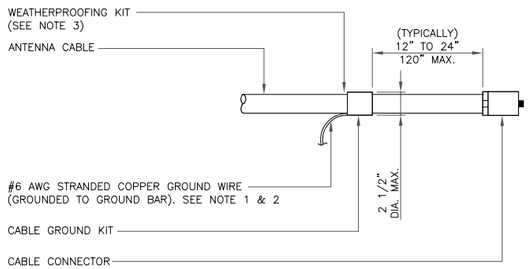
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

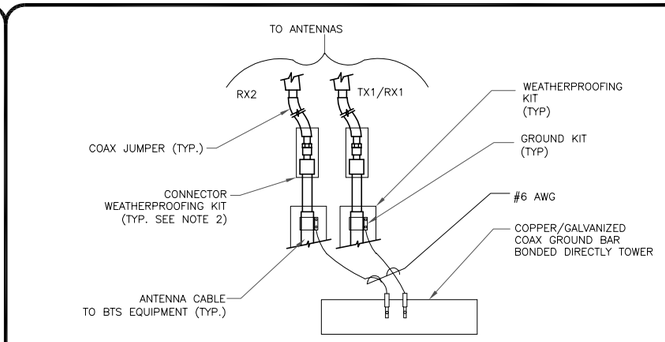
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

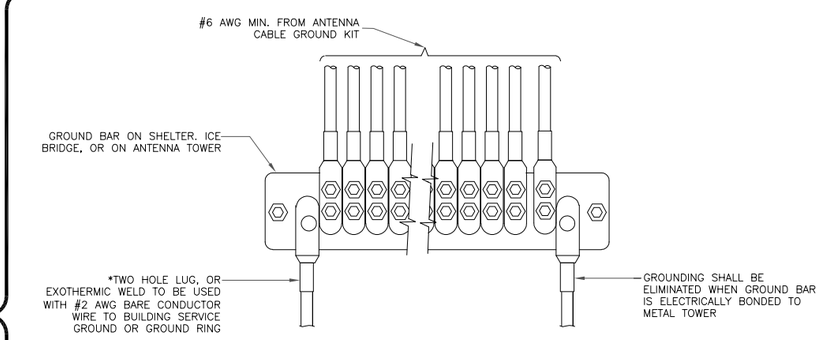
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



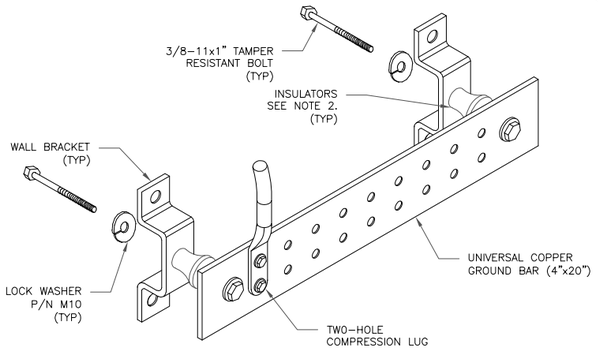
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



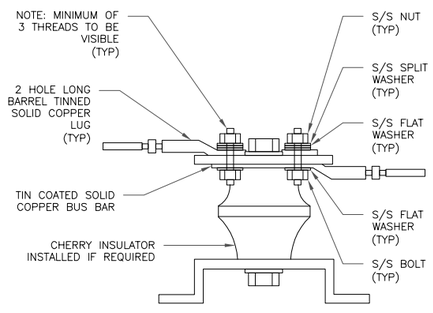
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



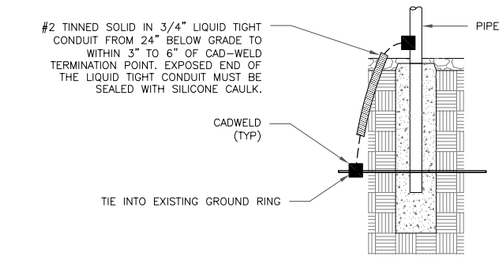
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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PARSIPPANY, NJ 07054

CROWN CASTLE
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CHARLOTTE, NC 28277

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TECTONIC WO#: 10545.CTNH509A

T-MOBILE SITE NUMBER:
CTNH509A

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/2/2021	VS	PRELIMINARY	----
B	04/13/2021	JT	PER COMMENTS	----

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

SHEET NUMBER: G-3
REVISION: A

Exhibit D

Structural Analysis Report

Date: **March 16, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***Metro PCS* Co-Locate**	
	Site Number:	CTNH509A
	Site Name:	N/A
Crown Castle Designation:	**BU Number:**	876316
	Site Name:	Secondino Property
	JDE Job Number:	634980
	Work Order Number:	1931643
	Order Number:	544403 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25581.513724
Site Data:	**21 Acorn Road, Branford, New Haven County, CT 06405** **Latitude *41° 17' 35.06"*, Longitude *-72° 45' 46.40"*** **147 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:

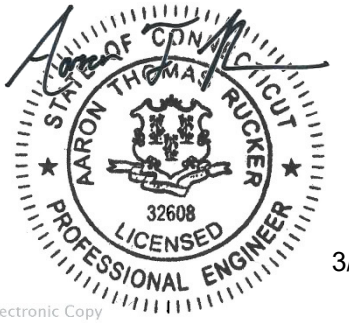
LC5: Proposed Equipment Configuration **Sufficient Capacity - 95.5%**

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

Structural analysis prepared by: Gautam Sopal, E.I. / TML

Respectfully submitted by:

Aaron T. Rucker, P.E.



3/16/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 147-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:	130 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
136.0	137.0	3	Ericsson	AIR6449 B41_T-MOBILE	3	1-5/8
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RADIO 4415 B66A		
		3	Ericsson	RADIO 4424 B25_TMOV1		
	136.0	1	Site Pro 1	RMQP-469-HK		

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)
147.0	147.0	3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	1 3	5/8 1-1/4
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	Alcatel Lucent	800 External Notch Filter		
		3	Alcatel Lucent	800MHZ RRH		
		9	RFS Celwave	ACU-A20-N		
		3	Alcatel Lucent	1900MHZ RRH (65MHZ)		
		3	Alcatel Lucent	TD-RRH8X20-25		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
	143.0	1	Tower Mounts	Miscellaneous [NA 510-3]		
118.0	118.0	2	Raycap	RRFDC-3315-PF-48	2	1-1/4

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
115.0	116.0	2	Antel	LPA-80080/4CF w/ Mount Pipe	6	1-5/8
		2	Antel	LPA-80063/6CF w/ Mount Pipe		
		2	RFS Celwave	APL868013-42T0 w/ Mount Pipe		
		3	Antel	BXA-171085-8BF-EDIN-2 w/ Mount Pipe		
		6	Commscope	SBNHH-1D65B w/ Mount Pipe		
		3	Nokia	B66A RRH4x45 (UHIE)		
		3	Alcatel Lucent	B13 RRH 4X30		
	115.0	1	Tower Mounts	Platform Mount [LP 714-1]		
106.0	106.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	12 4 2 2 1	1-1/4 7/8 17/64 3/4 3/8
		3	Andrew	SBNHH-1D65A w/ Mount Pipe		
		3	CCI Antennas	DMP65R-BU4D w/ Mount Pipe		
		3	CCI Antennas	TPA-65R-BU4AA-K w/ Mount Pipe		
		6	Powerwave Technologies	LGP21401		
		6	Powerwave Technologies	7020.00		
		3	Ericsson	RRUS 32 B2_CCIV2		
		3	Ericsson	RADIO 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 32 B30		
		3	Raycap	DC6-48-60-18-8F		
		1	Tower Mounts	Platform Mount [LP 1201-1_KCKR-HR-1]		
76.0	77.0	1	Kathrein	OG-860/1920/GPS-A	-	-
		1	Lucent	KS24019-L112A		
	76.0	1	Tower Mounts	Side Arm Mount [SO 701-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1529736	CCISites
Tower Foundation Drawings	1632435	CCISites
Tower Manufacturer Drawings	1632399	CCISites
Tower Reinforcement Drawings	2251030	CCISites
Post-Modification Inspection	2417887	CCISites
Tower Reinforcement Drawings	6823303	CCISites
Post-Modification Inspection	7151513	CCISites

3.1) Analysis Method

tnxTower (version 8.0.7.5), 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
147 - 142	Pole	TP22.85x22x0.25	Pole	5.0%	Pass
142 - 137	Pole	TP23.7x22.85x0.25	Pole	9.4%	Pass
137 - 132	Pole	TP24.55x23.7x0.25	Pole	17.5%	Pass
132 - 127	Pole	TP25.4x24.55x0.25	Pole	24.9%	Pass
127 - 122	Pole	TP26.251x25.4x0.25	Pole	31.8%	Pass
122 - 117	Pole	TP27.101x26.251x0.25	Pole	38.3%	Pass
117 - 112	Pole	TP27.951x27.101x0.25	Pole	47.3%	Pass
112 - 108.75	Pole	TP29.141x27.951x0.25	Pole	53.3%	Pass
108.75 - 103.75	Pole	TP28.854x28.003x0.3125	Pole	50.9%	Pass
103.75 - 98.75	Pole	TP29.704x28.854x0.3125	Pole	59.2%	Pass
98.75 - 93.75	Pole	TP30.554x29.704x0.3125	Pole	66.7%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
93.75 - 89.67	Pole	TP31.248x30.554x0.3125	Pole	72.3%	Pass
89.67 - 89.42	Pole + Reinf.	TP31.291x31.248x0.3188	Pole	73.4%	Pass
89.42 - 88.08	Pole + Reinf.	TP31.518x31.291x0.3188	Pole	75.3%	Pass
88.08 - 87.83	Pole + Reinf.	TP31.56x31.518x0.5125	Reinf. 3 Tension Rupture	63.6%	Pass
87.83 - 85.83	Pole + Reinf.	TP31.9x31.56x0.5125	Reinf. 3 Tension Rupture	66.0%	Pass
85.83 - 85.58	Pole + Reinf.	TP31.943x31.9x0.5125	Reinf. 3 Tension Rupture	66.9%	Pass
85.58 - 84.5	Pole + Reinf.	TP32.127x31.943x0.5125	Reinf. 3 Tension Rupture	68.1%	Pass
84.5 - 84.25	Pole + Reinf.	TP32.17x32.127x0.475	Reinf. 3 Tension Rupture	69.8%	Pass
84.25 - 79.25	Pole + Reinf.	TP33.02x32.17x0.4625	Reinf. 3 Tension Rupture	75.4%	Pass
79.25 - 78	Pole + Reinf.	TP33.955x33.02x0.4625	Reinf. 3 Tension Rupture	76.7%	Pass
78 - 72.75	Pole + Reinf.	TP33.5x32.607x0.5625	Reinf. 3 Tension Rupture	73.4%	Pass
72.75 - 67.75	Pole + Reinf.	TP34.35x33.5x0.5625	Reinf. 3 Tension Rupture	77.6%	Pass
67.75 - 63.08	Pole + Reinf.	TP35.144x34.35x0.55	Reinf. 3 Tension Rupture	81.3%	Pass
63.08 - 62.83	Pole + Reinf.	TP35.187x35.144x0.7125	Reinf. 10 Tension Rupture	66.7%	Pass
62.83 - 57.83	Pole + Reinf.	TP36.037x35.187x0.7	Reinf. 10 Tension Rupture	70.0%	Pass
57.83 - 52.83	Pole + Reinf.	TP36.887x36.037x0.6875	Reinf. 10 Tension Rupture	73.0%	Pass
52.83 - 47.83	Pole + Reinf.	TP37.737x36.887x0.6875	Reinf. 10 Tension Rupture	76.0%	Pass
47.83 - 47.5	Pole + Reinf.	TP38.601x37.737x0.675	Reinf. 10 Tension Rupture	76.2%	Pass
47.5 - 42.5	Pole + Reinf.	TP37.894x37.043x0.75	Reinf. 10 Tension Rupture	74.7%	Pass
42.5 - 37.5	Pole + Reinf.	TP38.744x37.894x0.7375	Reinf. 10 Tension Rupture	77.1%	Pass
37.5 - 32.75	Pole + Reinf.	TP39.551x38.744x0.7375	Reinf. 10 Tension Rupture	79.2%	Pass
32.75 - 32.5	Pole + Reinf.	TP39.594x39.551x0.7875	Reinf. 3 Tension Rupture	73.1%	Pass
32.5 - 27.5	Pole + Reinf.	TP40.444x39.594x0.775	Reinf. 3 Tension Rupture	75.0%	Pass
27.5 - 22.5	Pole + Reinf.	TP41.294x40.444x0.7625	Reinf. 8 Tension Rupture	76.9%	Pass
22.5 - 17.5	Pole + Reinf.	TP42.144x41.294x0.7625	Reinf. 8 Tension Rupture	78.7%	Pass
17.5 - 12.5	Pole + Reinf.	TP42.995x42.144x0.75	Reinf. 8 Tension Rupture	80.3%	Pass
12.5 - 8.08	Pole + Reinf.	TP43.746x42.995x0.7375	Reinf. 8 Tension Rupture	81.7%	Pass
8.08 - 7.83	Pole + Reinf.	TP43.788x43.746x0.8	Reinf. 3 Tension Rupture	79.7%	Pass
7.83 - 6.42	Pole + Reinf.	TP44.029x43.788x0.7875	Reinf. 3 Tension Rupture	80.1%	Pass
6.42 - 6.17	Pole + Reinf.	TP44.071x44.029x0.775	Reinf. 3 Tension Rupture	80.4%	Pass
6.17 - 4.33	Pole + Reinf.	TP44.383x44.071x0.775	Reinf. 3 Tension Rupture	80.9%	Pass
4.33 - 4.08	Pole + Reinf.	TP44.426x44.383x0.8375	Reinf. 9 Tension Rupture	78.3%	Pass
4.08 - 3.23	Pole + Reinf.	TP44.57x44.426x0.875	Reinf. 1 Tension Rupture	72.7%	Pass
3.23 - 2.88	Pole + Reinf.	TP44.63x44.57x0.7875	Reinf. 1 Tension Rupture	75.3%	Pass
2.88 - 2.67	Pole + Reinf.	TP44.667x44.63x0.7875	Reinf. 1 Tension Rupture	75.4%	Pass
2.67 - 2.08	Pole + Reinf.	TP44.766x44.667x0.7875	Reinf. 1 Tension Rupture	75.5%	Pass
2.08 - 1.83	Pole + Reinf.	TP44.808x44.766x0.575	Reinf. 7 Compression	94.6%	Pass
1.83 - 0	Pole + Reinf.	TP45.12x44.808x0.575	Reinf. 7 Compression	95.1%	Pass
				Summary	
			Pole	81.6%	Pass
			Reinforcement	95.1%	Pass
			Overall	**95.1%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	87.9	Pass
1,2	Base Plate	-	78.4	Pass
1,2	Base Foundation Soil Interaction	-	55.6	Pass
1,2	Base Foundation Structural	-	53.2	Pass

Structure Rating (max from all components) =	95.1%

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

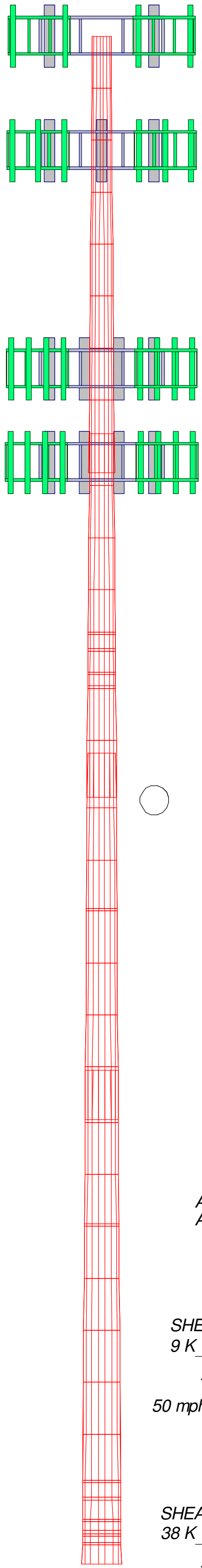
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	18	0.2500		22.0000	22.8501	A607-60	0.3
2	5.00	18	0.2500		22.8501	23.7002		0.3
3	5.00	18	0.2500		23.7002	24.5504		0.3
4	5.00	18	0.2500		24.5504	25.4005		0.3
5	5.00	18	0.2500		25.4005	26.2506		0.3
6	5.00	18	0.2500		26.2506	27.1007		0.4
7	5.00	18	0.2500		27.1007	27.9508		0.4
8	7.00	18	0.2500	3.75	27.9508	29.1410		0.5
9	5.00	18	0.3125		[illegible]	[illegible]		0.5
10	5.00	18	0.3125		28.85[illegible]	29.70[illegible]		0.5
11	5.00	18	0.3125		29.7039	30.5541		0.5
12	4.08	18	[illegible]		[illegible]	[illegible]		0.4
13–19	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
20	5.00	18	[illegible]		32.1[illegible]	33.01[illegible]		0.8
21	[illegible]	18	0.4625	4.25	[illegible]	33.9550		0.9
22	[illegible]	18	[illegible]		[illegible]	[illegible]		1.0
23	5.00	18	[illegible]		33.50[illegible]	34.350[illegible]		1.0
24	4.67	18	[illegible]		[illegible]	[illegible]		0.9
25	[illegible]	18	[illegible]		[illegible]	[illegible]		0.1
26	5.00	18	[illegible]		35.1[illegible]	36.0[illegible]		1.3
27	5.00	18	0.6875		36.0369	36.8871		1.3
28	5.00	18	0.6875		36.8871	37.7372		1.3
29	[illegible]	18	[illegible]	4.75	[illegible]	[illegible]		1.4
30	[illegible]	18	[illegible]		[illegible]	[illegible]		1.5
31	5.00	18	[illegible]		37.8[illegible]	38.7[illegible]		1.5
32	4.75	18	[illegible]		[illegible]	[illegible]		1.4
33	[illegible]	18	[illegible]		[illegible]	[illegible]		0.1
34	5.00	18	[illegible]		39.5[illegible]	40.4[illegible]		1.6
35	5.00	18	0.7625		40.4440	41.2942		1.7
36	5.00	18	0.7625		41.2942	42.1444		1.7
37	5.00	18	0.7500		42.1444	42.9946		1.7
38	4.42	18	[illegible]		[illegible]	[illegible]		1.5
39–49	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
								31.1



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-60	60 ksi	75 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 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 95.1%

ALL REACTIONS ARE FACTORED

AXIAL 99 K
SHEAR 9 K
MOMENT 952 kip-ft
TORQUE 1 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 60 K
SHEAR 38 K
MOMENT 4024 kip-ft
TORQUE 4 kip-ft
REACTIONS - 130 mph WIND

Tower Engineering Professionals

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

Job: **Secondino Property (BU 876316)**		
Project: **TEP No. 25581.513724**		
Client: Crown Castle	Drawn by: tmlester	App'd:
Code: TIA-222-H	Date: 03/16/21	Scale: NTS
Path: C:\Users\tmlester\Desktop\Secondino Property\876316_1931643_LC5.eri		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: 115.00 ft.
Basic wind speed of 130 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.5000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
TOWER RATING: 95.1%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.05.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
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	147.00-142.00	5.00	0.00	18	22.0000	22.8501	0.2500	1.0000	A607-60 (60 ksi)
L2	142.00-137.00	5.00	0.00	18	22.8501	23.7002	0.2500	1.0000	A607-60 (60 ksi)
L3	137.00-132.00	5.00	0.00	18	23.7002	24.5504	0.2500	1.0000	A607-60 (60 ksi)
L4	132.00-127.00	5.00	0.00	18	24.5504	25.4005	0.2500	1.0000	A607-60 (60 ksi)
L5	127.00-122.00	5.00	0.00	18	25.4005	26.2506	0.2500	1.0000	A607-60 (60 ksi)
L6	122.00-117.00	5.00	0.00	18	26.2506	27.1007	0.2500	1.0000	A607-60 (60 ksi)
L7	117.00-112.00	5.00	0.00	18	27.1007	27.9508	0.2500	1.0000	A607-60 (60 ksi)
L8	112.00-105.00	7.00	3.75	18	27.9508	29.1410	0.2500	1.0000	A607-60 (60 ksi)
L9	105.00-103.75	5.00	0.00	18	28.0034	28.8536	0.3125	1.2500	A607-60 (60 ksi)
L10	103.75-98.75	5.00	0.00	18	28.8536	29.7039	0.3125	1.2500	A607-60 (60 ksi)
L11	98.75-93.75	5.00	0.00	18	29.7039	30.5541	0.3125	1.2500	A607-60 (60 ksi)
L12	93.75-89.67	4.08	0.00	18	30.5541	31.2484	0.3125	1.2500	A607-60 (60 ksi)
L13	89.67-89.42	0.25	0.00	18	31.2484	31.2909	0.3187	1.2750	A607-60 (60 ksi)
L14	89.42-88.08	1.33	0.00	18	31.2909	31.5177	0.3187	1.2750	A607-60 (60 ksi)
L15	88.08-87.83	0.25	0.00	18	31.5177	31.5603	0.5125	2.0500	A607-60 (60 ksi)
L16	87.83-85.83	2.00	0.00	18	31.5603	31.9003	0.5125	2.0500	A607-60 (60 ksi)
L17	85.83-85.58	0.25	0.00	18	31.9003	31.9429	0.5125	2.0500	A607-60 (60 ksi)
L18	85.58-84.50	1.08	0.00	18	31.9429	32.1270	0.5125	2.0500	A607-60 (60 ksi)
L19	84.50-84.25	0.25	0.00	18	32.1270	32.1695	0.4750	1.9000	A607-60 (60 ksi)
L20	84.25-79.25	5.00	0.00	18	32.1695	33.0198	0.4625	1.8500	A607-60 (60 ksi)
L21	79.25-73.75	5.50	4.25	18	33.0198	33.9550	0.4625	1.8500	A607-60 (60 ksi)
L22	73.75-72.75	5.25	0.00	18	32.6073	33.5000	0.5625	2.2500	A607-60 (60 ksi)
L23	72.75-67.75	5.00	0.00	18	33.5000	34.3502	0.5625	2.2500	A607-60 (60 ksi)
L24	67.75-63.08	4.67	0.00	18	34.3502	35.1442	0.5500	2.2000	A607-60 (60 ksi)
L25	63.08-62.83	0.25	0.00	18	35.1442	35.1867	0.7125	2.8500	A607-60 (60 ksi)
L26	62.83-57.83	5.00	0.00	18	35.1867	36.0369	0.7000	2.8000	A607-60 (60 ksi)
L27	57.83-52.83	5.00	0.00	18	36.0369	36.8871	0.6875	2.7500	A607-60 (60 ksi)
L28	52.83-47.83	5.00	0.00	18	36.8871	37.7372	0.6875	2.7500	A607-60 (60 ksi)
L29	47.83-42.75	5.08	4.75	18	37.7372	38.6010	0.6750	2.7000	A607-60 (60 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	42.75-42.50	5.00	0.00	18	37.0433	37.8935	0.7500	3.0000	A607-60 (60 ksi)
L31	42.50-37.50	5.00	0.00	18	37.8935	38.7437	0.7375	2.9500	A607-60 (60 ksi)
L32	37.50-32.75	4.75	0.00	18	38.7437	39.5514	0.7375	2.9500	A607-60 (60 ksi)
L33	32.75-32.50	0.25	0.00	18	39.5514	39.5939	0.7875	3.1500	A607-60 (60 ksi)
L34	32.50-27.50	5.00	0.00	18	39.5939	40.4440	0.7750	3.1000	A607-60 (60 ksi)
L35	27.50-22.50	5.00	0.00	18	40.4440	41.2942	0.7625	3.0500	A607-60 (60 ksi)
L36	22.50-17.50	5.00	0.00	18	41.2942	42.1444	0.7625	3.0500	A607-60 (60 ksi)
L37	17.50-12.50	5.00	0.00	18	42.1444	42.9946	0.7500	3.0000	A607-60 (60 ksi)
L38	12.50-8.08	4.42	0.00	18	42.9946	43.7456	0.7375	2.9500	A607-60 (60 ksi)
L39	8.08-7.83	0.25	0.00	18	43.7456	43.7881	0.8000	3.2000	A607-60 (60 ksi)
L40	7.83-6.42	1.42	0.00	18	43.7881	44.0289	0.7875	3.1500	A607-60 (60 ksi)
L41	6.42-6.17	0.25	0.00	18	44.0289	44.0714	0.7750	3.1000	A607-60 (60 ksi)
L42	6.17-4.33	1.83	0.00	18	44.0714	44.3832	0.7750	3.1000	A607-60 (60 ksi)
L43	4.33-4.08	0.25	0.00	18	44.3832	44.4257	0.8375	3.3500	A607-60 (60 ksi)
L44	4.08-3.23	0.85	0.00	18	44.4257	44.5703	0.8750	3.5000	A607-60 (60 ksi)
L45	3.23-2.88	0.35	0.00	18	44.5703	44.6298	0.7875	3.1500	A607-60 (60 ksi)
L46	2.88-2.67	0.22	0.00	18	44.6298	44.6665	0.7875	3.1500	A607-60 (60 ksi)
L47	2.67-2.08	0.58	0.00	18	44.6665	44.7658	0.7875	3.1500	A607-60 (60 ksi)
L48	2.08-1.83	0.25	0.00	18	44.7658	44.8083	0.5750	2.3000	A607-60 (60 ksi)
L49	1.83-0.00	1.83		18	44.8083	45.1200	0.5750	2.3000	A607-60 (60 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	22.3008	17.2586	1031.4832	7.7212	11.1760	92.2945	2064.3237	8.6310	3.4320	13.728
	23.1641	17.9332	1157.2217	8.0230	11.6079	99.6929	2315.9661	8.9683	3.5816	14.326
L2	23.1641	17.9332	1157.2217	8.0230	11.6079	99.6929	2315.9661	8.9683	3.5816	14.326
	24.0273	18.6078	1292.7845	8.3248	12.0397	107.3766	2587.2702	9.3057	3.7312	14.925
L3	24.0273	18.6078	1292.7845	8.3248	12.0397	107.3766	2587.2702	9.3057	3.7312	14.925
	24.8905	19.2823	1438.5414	8.6266	12.4716	115.3455	2878.9756	9.6430	3.8809	15.523
L4	24.8905	19.2823	1438.5414	8.6266	12.4716	115.3455	2878.9756	9.6430	3.8809	15.523
	25.7538	19.9569	1594.8617	8.9284	12.9034	123.5997	3191.8219	9.9803	4.0305	16.122
L5	25.7538	19.9569	1594.8617	8.9284	12.9034	123.5997	3191.8219	9.9803	4.0305	16.122
	26.6170	20.6315	1762.1150	9.2302	13.3353	132.1391	3526.5487	10.3177	4.1801	16.72
L6	26.6170	20.6315	1762.1150	9.2302	13.3353	132.1391	3526.5487	10.3177	4.1801	16.72

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
	27.4802	21.3060	1940.6710	9.5320	13.7672	140.9638	3883.8955	10.6550	4.3297	17.319
L7	27.4802	21.3060	1940.6710	9.5320	13.7672	140.9638	3883.8955	10.6550	4.3297	17.319
	28.3435	21.9806	2130.8991	9.8338	14.1990	150.0736	4264.6021	10.9924	4.4793	17.917
L8	28.3435	21.9806	2130.8991	9.8338	14.1990	150.0736	4264.6021	10.9924	4.4793	17.917
	29.5520	22.9250	2417.5313	10.2563	14.8036	163.3067	4838.2436	11.4647	4.6888	18.755
L9	29.0347	27.4659	2660.7625	9.8303	14.2257	187.0387	5325.0261	13.7356	4.3786	14.012
	29.2505	28.3092	2913.4545	10.1321	14.6576	198.7668	5830.7426	14.1573	4.5282	14.49
L10	29.2505	28.3092	2913.4545	10.1321	14.6576	198.7668	5830.7426	14.1573	4.5282	14.49
	30.1139	29.1526	3181.6592	10.4339	15.0896	210.8516	6367.5048	14.5791	4.6779	14.969
L11	30.1139	29.1526	3181.6592	10.4339	15.0896	210.8516	6367.5048	14.5791	4.6779	14.969
	30.9772	29.9959	3465.8386	10.7358	15.5215	223.2931	6936.2377	15.0008	4.8275	15.448
L12	30.9772	29.9959	3465.8386	10.7358	15.5215	223.2931	6936.2377	15.0008	4.8275	15.448
	31.6822	30.6845	3710.0702	10.9822	15.8742	233.7173	7425.0221	15.3452	4.9497	15.839
L13	31.6813	31.2919	3781.9784	10.9800	15.8742	238.2472	7568.9332	15.6489	4.9387	15.494
	31.7244	31.3349	3797.5943	10.9951	15.8958	238.9059	7600.1856	15.6704	4.9462	15.517
L14	31.7244	31.3349	3797.5943	10.9951	15.8958	238.9059	7600.1856	15.6704	4.9462	15.517
	31.9548	31.5644	3881.6479	11.0756	16.0110	242.4361	7768.4033	15.7852	4.9861	15.643
L15	31.9249	50.4354	6125.5276	11.0069	16.0110	382.5822	12259.1153	25.2225	4.6451	9.064
	31.9681	50.5046	6150.7583	11.0220	16.0326	383.6406	12309.6100	25.2571	4.6526	9.078
L16	31.9681	50.5046	6150.7583	11.0220	16.0326	383.6406	12309.6100	25.2571	4.6526	9.078
	32.3134	51.0578	6355.1029	11.1427	16.2054	392.1602	12718.5680	25.5338	4.7125	9.195
L17	32.3134	51.0578	6355.1029	11.1427	16.2054	392.1602	12718.5680	25.5338	4.7125	9.195
	32.3566	51.1270	6380.9598	11.1578	16.2270	393.2318	12770.3157	25.5683	4.7199	9.21
L18	32.3566	51.1270	6380.9598	11.1578	16.2270	393.2318	12770.3157	25.5683	4.7199	9.21
	32.5436	51.4265	6493.7817	11.2232	16.3205	397.8906	12996.1081	25.7182	4.7524	9.273
L19	32.5493	47.7202	6040.0696	11.2365	16.3205	370.0905	12088.0868	23.8646	4.8184	10.144
	32.5925	47.7842	6064.4393	11.2516	16.3421	371.0926	12136.8583	23.8967	4.8258	10.16
L20	32.5944	46.5451	5911.8380	11.2560	16.3421	361.7547	11831.4549	23.2770	4.8478	10.482
	33.4578	47.7932	6400.2843	11.5578	16.7740	381.5591	12808.9902	23.9012	4.9975	10.805
L21	33.4578	47.7932	6400.2843	11.5578	16.7740	381.5591	12808.9902	23.9012	4.9975	10.805
	34.4075	49.1662	6967.8502	11.8898	17.2491	403.9535	13944.8690	24.5877	5.1621	11.161
L22	33.7573	57.2120	7422.3235	11.3759	16.5645	448.0859	14854.4135	28.6114	4.7489	8.442
	33.9300	58.8058	8060.0585	11.6928	17.0180	473.6198	16130.7225	29.4085	4.9060	8.722
L23	33.9300	58.8058	8060.0585	11.6928	17.0180	473.6198	16130.7225	29.4085	4.9060	8.722
	34.7933	60.3236	8700.4359	11.9946	17.4499	498.5958	17412.3200	30.1675	5.0556	8.988
L24	34.7952	59.0049	8516.5381	11.9991	17.4499	488.0572	17044.2826	29.5081	5.0776	9.232
	35.6015	60.3911	9130.9799	12.2809	17.8533	511.4461	18273.9746	30.2013	5.2174	9.486
L25	35.5765	77.8665	11662.8608	12.2233	17.8533	653.2623	23341.0678	38.9406	4.9314	6.921
	35.6196	77.9626	11706.1101	12.2383	17.8749	654.8926	23427.6234	38.9887	4.9389	6.932
L26	35.6215	76.6226	11513.2544	12.2428	17.8749	644.1034	23041.6583	38.3186	4.9609	7.087
	36.4848	78.5115	12385.8944	12.5446	18.3067	676.5756	24788.0865	39.2632	5.1105	7.301
L27	36.4868	77.1368	12177.6317	12.5490	18.3067	665.1994	24371.2869	38.5757	5.1325	7.465
	37.3500	78.9920	13077.5657	12.8508	18.7386	697.8935	26172.3391	39.5035	5.2821	7.683
L28	37.3500	78.9920	13077.5657	12.8508	18.7386	697.8935	26172.3391	39.5035	5.2821	7.683
	38.2133	80.8471	14020.7792	13.1527	19.1705	731.3722	28060.0073	40.4313	5.4318	7.901
L29	38.2153	79.4040	13779.7938	13.1571	19.1705	718.8016	27577.7194	39.7095	5.4538	8.08
	39.0924	81.2546	14765.8777	13.4637	19.6093	753.0035	29551.1848	40.6350	5.6058	8.305
L30	38.3192	86.3963	14377.6008	12.8841	18.8180	764.0338	28774.1200	43.2064	5.1996	6.933
	38.3624	88.4201	15411.8439	13.1859	19.2499	800.6192	30843.9672	44.2185	5.3493	7.132
L31	38.3643	86.9757	15170.2855	13.1904	19.2499	788.0707	30360.5324	43.4961	5.3713	7.283
	39.2276	88.9658	16235.6382	13.4922	19.6818	824.9064	32492.6396	44.4914	5.5209	7.486
L32	39.2276	88.9658	16235.6382	13.4922	19.6818	824.9064	32492.6396	44.4914	5.5209	7.486
	40.0477	90.8564	17292.8563	13.7789	20.0921	860.6799	34608.4670	45.4369	5.6630	7.679
L33	40.0400	96.8912	18393.9844	13.7612	20.0921	915.4840	36812.1721	48.4548	5.5750	7.079
	40.0832	96.9975	18454.5638	13.7763	20.1137	917.5129	36933.4105	48.5080	5.5825	7.089
L34	40.0851	95.4886	18179.1901	13.7807	20.1137	903.8221	36382.3008	47.7534	5.6045	7.232
	40.9484	97.5799	19399.9718	14.0825	20.5456	944.2410	38825.4705	48.7992	5.7542	7.425
L35	40.9503	96.0363	19105.1181	14.0869	20.5456	929.8898	38235.3752	48.0273	5.7762	7.575
	41.8136	98.0938	20359.5937	14.3888	20.9775	970.5462	40745.9771	49.0562	5.9258	7.772
L36	41.8136	98.0938	20359.5937	14.3888	20.9775	970.5462	40745.9771	49.0562	5.9258	7.772
	42.6769	100.1514	21667.8155	14.6906	21.4093	1012.0726	43364.1420	50.0852	6.0754	7.968
L37	42.6788	98.5393	21331.9245	14.6950	21.4093	996.3836	42691.9182	49.2790	6.0974	8.13

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	43.5421	100.5632	22673.4757	14.9968	21.8412	1038.1040	45376.7858	50.2911	6.2470	8.329
L38	43.5441	98.9164	22315.3819	15.0013	21.8412	1021.7087	44660.1269	49.4676	6.2690	8.5
	44.3067	100.6745	23526.5037	15.2679	22.2228	1058.6666	47083.9643	50.3468	6.4012	8.68
L39	44.2970	109.0475	25409.1776	15.2457	22.2228	1143.3849	50851.7892	54.5341	6.2912	7.864
	44.3402	109.1554	25484.7044	15.2608	22.2444	1145.6702	51002.9422	54.5881	6.2987	7.873
L40	44.3421	107.4811	25108.3960	15.2652	22.2444	1128.7532	50249.8304	53.7508	6.3207	8.026
	44.5866	108.0829	25532.5236	15.3507	22.3667	1141.5432	51098.6435	54.0517	6.3631	8.08
L41	44.5885	106.3981	25149.0427	15.3551	22.3667	1124.3980	50331.1771	53.2091	6.3851	8.239
	44.6317	106.5026	25223.2630	15.3702	22.3883	1126.6286	50479.7154	53.2614	6.3926	8.248
L42	44.6317	106.5026	25223.2630	15.3702	22.3883	1126.6286	50479.7154	53.2614	6.3926	8.248
	44.9484	107.2697	25772.2128	15.4809	22.5467	1143.0599	51578.3373	53.6451	6.4474	8.319
L43	44.9387	115.7544	27731.0408	15.4587	22.5467	1229.9387	55498.5707	57.8882	6.3374	7.567
	44.9819	115.8674	27812.3320	15.4738	22.5683	1232.3639	55661.2602	57.9447	6.3449	7.576
L44	44.9761	120.9513	28982.7278	15.4605	22.5683	1284.2241	58003.5919	60.4871	6.2789	7.176
	45.1229	121.3527	29272.2372	15.5118	22.6417	1292.8462	58582.9915	60.6879	6.3044	7.205
L45	45.1364	109.4361	26503.5986	15.5429	22.6417	1170.5657	53042.0714	54.7285	6.4584	8.201
	45.1968	109.5849	26611.8216	15.5640	22.6719	1173.7782	53258.6596	54.8029	6.4688	8.214
L46	45.1968	109.5849	26611.8216	15.5640	22.6719	1173.7782	53258.6596	54.8029	6.4688	8.214
	45.2341	109.6767	26678.7573	15.5771	22.6906	1175.7630	53392.6193	54.8488	6.4753	8.223
L47	45.2341	109.6767	26678.7573	15.5771	22.6906	1175.7630	53392.6193	54.8488	6.4753	8.223
	45.3349	109.9249	26860.2937	15.6123	22.7410	1181.1377	53755.9308	54.9729	6.4928	8.245
L48	45.3677	80.6505	19897.9491	15.6877	22.7410	874.9799	39822.0804	40.3329	6.8668	11.942
	45.4109	80.7280	19955.4260	15.7028	22.7626	876.6749	39937.1098	40.3717	6.8743	11.955
L49	45.4109	80.7280	19955.4260	15.7028	22.7626	876.6749	39937.1098	40.3717	6.8743	11.955
	45.7273	81.2969	20380.2312	15.8135	22.9210	889.1526	40787.2793	40.6562	6.9291	12.051

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 147.00-142.00				1	1	1			
L2 142.00-137.00				1	1	1			
L3 137.00-132.00				1	1	1			
L4 132.00-127.00				1	1	1			
L5 127.00-122.00				1	1	1			
L6 122.00-117.00				1	1	1			
L7 117.00-112.00				1	1	1			
L8 112.00-105.00				1	1	1			
L9 105.00-103.75				1	1	1			
L10 103.75-98.75				1	1	1			
L11 98.75-93.75				1	1	1			
L12 93.75-89.67				1	1	1			
L13 89.67-89.42				1	1	1.16091			
L14 89.42-88.08				1	1	1.15959			
L15 88.08-87.83				1	1	0.949309			

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
L16 87.83-85.83				1	1	0.94563			
L17 85.83-85.58				1	1	1.05569			
L18 85.58-84.50				1	1	1.05309			
L19 84.50-84.25				1	1	1.016			
L20 84.25-79.25				1	1	1.03345			
L21 79.25-73.75				1	1	1.03113			
L22 73.75-72.75				1	1	0.958709			
L23 72.75-67.75				1	1	0.951361			
L24 67.75-63.08				1	1	0.965948			
L25 63.08-62.83				1	1	0.979776			
L26 62.83-57.83				1	1	0.985815			
L27 57.83-52.83				1	1	0.992629			
L28 52.83-47.83				1	1	0.982368			
L29 47.83-42.75				1	1	0.99955			
L30 42.75-42.50				1	1	0.983527			
L31 42.50-37.50				1	1	0.990764			
L32 37.50-32.75				1	1	0.982492			
L33 32.75-32.50				1	1	0.986624			
L34 32.50-27.50				1	1	0.992833			
L35 27.50-22.50				1	1	0.999667			
L36 22.50-17.50				1	1	0.990917			
L37 17.50-12.50				1	1	0.998599			
L38 12.50-8.08				1	1	1.00785			
L39 8.08-7.83				1	1	1.03361			
L40 7.83-6.42				1	1	1.04696			
L41 6.42-6.17				1	1	1.01			
L42 6.17-4.33				1	1	1.00682			
L43 4.33-4.08				1	1	1.05669			
L44 4.08-3.23				1	1	0.935894			
L45 3.23-2.88				1	1	0.963003			
L46 2.88-2.67				1	1	0.962662			
L47 2.67-2.08				1	1	0.961743			
L48 2.08-1.83				1	1	1.03034			
L49 1.83-0.00				1	1	1.02846			

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
147										
HB058-M12-XXXF(5/8)	A	No	Surface Ar (CaAa)	147.00 - 0.00	1	1	-0.167 -0.167	0.8400		0.24
HB158-21U6S24-xxM_TMO(1-5/8)	B	No	Surface Ar (CaAa)	136.00 - 0.00	3	3	0.333 0.333	1.9960		2.50
***										
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	10.50 - 0.00	1	1	-0.167 -0.167	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	10.50 - 0.00	1	1	0.500 0.500	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	79.00 - 4.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	90.50 - 0.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	B	No	Surface Af (CaAa)	90.50 - 0.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	88.25 - 73.25	1	1	0.500 0.500	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	92.08 - 82.08	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.167 0.167	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.333 0.333	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.167 0.167	6.5000	15.5000	0.00
***										
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.167 0.167	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.333 0.333	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.167 0.167	6.0000	14.0000	0.00
**********										
**										
Safety Line (3/8")	A	No	Surface Ar (CaAa)	147.00 - 0.00	1	1	0.500 0.500	0.3750		0.22

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
HB114-1-0813U4-M5J(1-1/4)	A	No	No	Inside Pole	147.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.20 1.20 1.20 1.20
136									

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
118									
HFT1208-24S26(1-1/4)	B	No	No	Inside Pole	118.00 - 0.00	2	No Ice	0.00	1.17
							1/2" Ice	0.00	1.17
							1" Ice	0.00	1.17
							2" Ice	0.00	1.17
115									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	115.00 - 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
106									
LDF2-50A(3/8)	C	No	No	Inside Pole	106.00 - 0.00	1	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
							2" Ice	0.00	0.08
LDF6-50A(1-1/4)	C	No	No	Inside Pole	106.00 - 0.00	12	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
6-8AWG 3 PAIR(7/8)	C	No	No	Inside Pole	106.00 - 0.00	4	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
							2" Ice	0.00	0.68
A-DQZNB2YN1750N(17/64)	C	No	No	Inside Pole	106.00 - 0.00	2	No Ice	0.00	0.03
							1/2" Ice	0.00	0.03
							1" Ice	0.00	0.03
							2" Ice	0.00	0.03
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	106.00 - 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
2" Flexible Conduit	C	No	No	Inside Pole	106.00 - 0.00	1	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
							2" Ice	0.00	0.34
**********									

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	147.00-142.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	142.00-137.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	137.00-132.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.395	0.000	0.03
		C	0.000	0.000	0.000	0.000	0.00
L4	132.00-127.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L5	127.00-122.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00
L6	122.00-117.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00
L7	117.00-112.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.06
		C	0.000	0.000	0.000	0.000	0.00
L8	112.00-105.00	A	0.000	0.000	0.850	0.000	0.03
		B	0.000	0.000	4.192	0.000	0.10
		C	0.000	0.000	0.000	0.000	0.01
L9	105.00-103.75	A	0.000	0.000	0.152	0.000	0.01
		B	0.000	0.000	0.749	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L10	103.75-98.75	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.06
L11	98.75-93.75	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.06
L12	93.75-89.67	A	0.000	0.000	2.498	0.000	0.02
		B	0.000	0.000	3.185	0.000	0.06
		C	0.000	0.000	0.740	0.000	0.05
L13	89.67-89.42	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.222	0.000	0.00
L14	89.42-88.08	A	0.000	0.000	1.267	0.000	0.01
		B	0.000	0.000	1.984	0.000	0.02
		C	0.000	0.000	1.333	0.000	0.02
L15	88.08-87.83	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L16	87.83-85.83	A	0.000	0.000	1.900	0.000	0.01
		B	0.000	0.000	2.974	0.000	0.03
		C	0.000	0.000	3.553	0.000	0.02
L17	85.83-85.58	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L18	85.58-84.50	A	0.000	0.000	1.029	0.000	0.00
		B	0.000	0.000	1.611	0.000	0.02
		C	0.000	0.000	1.924	0.000	0.01
L19	84.50-84.25	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L20	84.25-79.25	A	0.000	0.000	2.403	0.000	0.02
		B	0.000	0.000	7.436	0.000	0.07
		C	0.000	0.000	8.883	0.000	0.06
L21	79.25-73.75	A	0.000	0.000	5.332	0.000	0.02
		B	0.000	0.000	8.179	0.000	0.08
		C	0.000	0.000	9.772	0.000	0.06
L22	73.75-72.75	A	0.000	0.000	1.010	0.000	0.00
		B	0.000	0.000	1.487	0.000	0.01
		C	0.000	0.000	1.333	0.000	0.01
L23	72.75-67.75	A	0.000	0.000	5.049	0.000	0.02
		B	0.000	0.000	7.436	0.000	0.07
		C	0.000	0.000	4.442	0.000	0.06
L24	67.75-63.08	A	0.000	0.000	7.216	0.000	0.02
		B	0.000	0.000	9.445	0.000	0.07
		C	0.000	0.000	6.649	0.000	0.05
L25	63.08-62.83	A	0.000	0.000	0.502	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.622	0.000	0.00
		C	0.000	0.000	0.472	0.000	0.00
L26	62.83-57.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L27	57.83-52.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L28	52.83-47.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L29	47.83-42.75	A	0.000	0.000	10.210	0.000	0.02
		B	0.000	0.000	12.635	0.000	0.07
		C	0.000	0.000	9.593	0.000	0.06
L30	42.75-42.50	A	0.000	0.000	0.502	0.000	0.00
		B	0.000	0.000	0.622	0.000	0.00
		C	0.000	0.000	0.472	0.000	0.00
L31	42.50-37.50	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L32	37.50-32.75	A	0.000	0.000	9.776	0.000	0.02
		B	0.000	0.000	12.043	0.000	0.07
		C	0.000	0.000	9.199	0.000	0.05
L33	32.75-32.50	A	0.000	0.000	0.523	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.493	0.000	0.00
L34	32.50-27.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L35	27.50-22.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L36	22.50-17.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L37	17.50-12.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L38	12.50-8.08	A	0.000	0.000	11.286	0.000	0.02
		B	0.000	0.000	11.354	0.000	0.07
		C	0.000	0.000	10.749	0.000	0.05
L39	8.08-7.83	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L40	7.83-6.42	A	0.000	0.000	4.159	0.000	0.01
		B	0.000	0.000	3.640	0.000	0.02
		C	0.000	0.000	3.987	0.000	0.02
L41	6.42-6.17	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L42	6.17-4.33	A	0.000	0.000	5.387	0.000	0.01
		B	0.000	0.000	4.714	0.000	0.03
		C	0.000	0.000	5.164	0.000	0.02
L43	4.33-4.08	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L44	4.08-3.23	A	0.000	0.000	1.815	0.000	0.00
		B	0.000	0.000	2.185	0.000	0.01
		C	0.000	0.000	2.393	0.000	0.01
L45	3.23-2.88	A	0.000	0.000	0.717	0.000	0.00
		B	0.000	0.000	0.900	0.000	0.01

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	0.985	0.000	0.00
L46	2.88-2.67	A	0.000	0.000	0.443	0.000	0.00
		B	0.000	0.000	0.555	0.000	0.00
		C	0.000	0.000	0.608	0.000	0.00
L47	2.67-2.08	A	0.000	0.000	1.197	0.000	0.00
		B	0.000	0.000	1.501	0.000	0.01
		C	0.000	0.000	1.644	0.000	0.01
L48	2.08-1.83	A	0.000	0.000	0.512	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L49	1.83-0.00	A	0.000	0.000	3.756	0.000	0.01
		B	0.000	0.000	4.712	0.000	0.03
		C	0.000	0.000	5.161	0.000	0.02

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	147.00-142.00	A	1.478	0.000	0.000	3.563	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	142.00-137.00	A	1.473	0.000	0.000	3.553	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	137.00-132.00	A	1.467	0.000	0.000	3.542	0.000	0.06
		B		0.000	0.000	4.461	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.00
L4	132.00-127.00	A	1.462	0.000	0.000	3.531	0.000	0.06
		B		0.000	0.000	5.570	0.000	0.09
		C		0.000	0.000	0.000	0.000	0.00
L5	127.00-122.00	A	1.456	0.000	0.000	3.520	0.000	0.06
		B		0.000	0.000	5.563	0.000	0.09
		C		0.000	0.000	0.000	0.000	0.00
L6	122.00-117.00	A	1.450	0.000	0.000	3.508	0.000	0.06
		B		0.000	0.000	5.555	0.000	0.10
		C		0.000	0.000	0.000	0.000	0.00
L7	117.00-112.00	A	1.444	0.000	0.000	3.495	0.000	0.06
		B		0.000	0.000	5.547	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.00
L8	112.00-105.00	A	1.436	0.000	0.000	4.872	0.000	0.08
		B		0.000	0.000	7.753	0.000	0.18
		C		0.000	0.000	0.000	0.000	0.01
L9	105.00-103.75	A	1.431	0.000	0.000	0.870	0.000	0.01
		B		0.000	0.000	1.384	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.01
L10	103.75-98.75	A	1.426	0.000	0.000	3.460	0.000	0.06
		B		0.000	0.000	5.525	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.06
L11	98.75-93.75	A	1.419	0.000	0.000	3.446	0.000	0.06
		B		0.000	0.000	5.516	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.06
L12	93.75-89.67	A	1.412	0.000	0.000	5.175	0.000	0.07
		B		0.000	0.000	5.473	0.000	0.11
		C		0.000	0.000	0.975	0.000	0.06
L13	89.67-89.42	A	1.409	0.000	0.000	0.417	0.000	0.01
		B		0.000	0.000	0.568	0.000	0.01
		C		0.000	0.000	0.293	0.000	0.01

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
L14	89.42-88.08	A	1.408	0.000	0.000	2.223	0.000	0.03
		B		0.000	0.000	3.029	0.000	0.05
		C		0.000	0.000	1.750	0.000	0.03
L15	88.08-87.83	A	1.406	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L16	87.83-85.83	A	1.405	0.000	0.000	3.329	0.000	0.04
		B		0.000	0.000	4.538	0.000	0.07
		C		0.000	0.000	4.608	0.000	0.07
L17	85.83-85.58	A	1.403	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L18	85.58-84.50	A	1.402	0.000	0.000	1.801	0.000	0.02
		B		0.000	0.000	2.456	0.000	0.04
		C		0.000	0.000	2.494	0.000	0.04
L19	84.50-84.25	A	1.400	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L20	84.25-79.25	A	1.396	0.000	0.000	5.524	0.000	0.08
		B		0.000	0.000	11.325	0.000	0.18
		C		0.000	0.000	11.508	0.000	0.17
L21	79.25-73.75	A	1.387	0.000	0.000	9.839	0.000	0.12
		B		0.000	0.000	12.435	0.000	0.20
		C		0.000	0.000	12.643	0.000	0.18
L22	73.75-72.75	A	1.381	0.000	0.000	1.842	0.000	0.02
		B		0.000	0.000	2.261	0.000	0.04
		C		0.000	0.000	1.732	0.000	0.03
L23	72.75-67.75	A	1.375	0.000	0.000	9.174	0.000	0.11
		B		0.000	0.000	11.278	0.000	0.18
		C		0.000	0.000	5.817	0.000	0.11
L24	67.75-63.08	A	1.365	0.000	0.000	11.724	0.000	0.12
		B		0.000	0.000	13.696	0.000	0.19
		C		0.000	0.000	8.606	0.000	0.13
L25	63.08-62.83	A	1.360	0.000	0.000	0.774	0.000	0.01
		B		0.000	0.000	0.880	0.000	0.01
		C		0.000	0.000	0.608	0.000	0.01
L26	62.83-57.83	A	1.354	0.000	0.000	15.466	0.000	0.16
		B		0.000	0.000	17.586	0.000	0.23
		C		0.000	0.000	12.150	0.000	0.16
L27	57.83-52.83	A	1.343	0.000	0.000	15.420	0.000	0.15
		B		0.000	0.000	17.548	0.000	0.23
		C		0.000	0.000	12.127	0.000	0.16
L28	52.83-47.83	A	1.330	0.000	0.000	15.369	0.000	0.15
		B		0.000	0.000	17.506	0.000	0.23
		C		0.000	0.000	12.102	0.000	0.16
L29	47.83-42.75	A	1.316	0.000	0.000	15.558	0.000	0.15
		B		0.000	0.000	17.740	0.000	0.23
		C		0.000	0.000	12.267	0.000	0.16
L30	42.75-42.50	A	1.308	0.000	0.000	0.766	0.000	0.01
		B		0.000	0.000	0.873	0.000	0.01
		C		0.000	0.000	0.604	0.000	0.01
L31	42.50-37.50	A	1.300	0.000	0.000	15.248	0.000	0.15
		B		0.000	0.000	17.408	0.000	0.22
		C		0.000	0.000	12.041	0.000	0.16
L32	37.50-32.75	A	1.283	0.000	0.000	14.651	0.000	0.14
		B		0.000	0.000	16.715	0.000	0.21
		C		0.000	0.000	11.636	0.000	0.15
L33	32.75-32.50	A	1.274	0.000	0.000	0.778	0.000	0.01
		B		0.000	0.000	0.887	0.000	0.01
		C		0.000	0.000	0.620	0.000	0.01
L34	32.50-27.50	A	1.263	0.000	0.000	15.517	0.000	0.15

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	17.705	0.000	0.22
		C		0.000	0.000	12.384	0.000	0.16
L35	27.50-22.50	A	1.240	0.000	0.000	15.426	0.000	0.14
		B		0.000	0.000	17.631	0.000	0.22
		C		0.000	0.000	12.338	0.000	0.15
L36	22.50-17.50	A	1.213	0.000	0.000	15.317	0.000	0.14
		B		0.000	0.000	17.542	0.000	0.21
		C		0.000	0.000	12.284	0.000	0.15
L37	17.50-12.50	A	1.178	0.000	0.000	15.179	0.000	0.14
		B		0.000	0.000	17.430	0.000	0.21
		C		0.000	0.000	12.215	0.000	0.15
L38	12.50-8.08	A	1.135	0.000	0.000	15.596	0.000	0.14
		B		0.000	0.000	15.273	0.000	0.18
		C		0.000	0.000	13.054	0.000	0.15
L39	8.08-7.83	A	1.106	0.000	0.000	0.986	0.000	0.01
		B		0.000	0.000	0.860	0.000	0.01
		C		0.000	0.000	0.845	0.000	0.01
L40	7.83-6.42	A	1.094	0.000	0.000	5.568	0.000	0.05
		B		0.000	0.000	4.858	0.000	0.06
		C		0.000	0.000	4.776	0.000	0.05
L41	6.42-6.17	A	1.080	0.000	0.000	0.980	0.000	0.01
		B		0.000	0.000	0.856	0.000	0.01
		C		0.000	0.000	0.842	0.000	0.01
L42	6.17-4.33	A	1.061	0.000	0.000	7.157	0.000	0.06
		B		0.000	0.000	6.253	0.000	0.07
		C		0.000	0.000	6.156	0.000	0.06
L43	4.33-4.08	A	1.038	0.000	0.000	0.970	0.000	0.01
		B		0.000	0.000	0.849	0.000	0.01
		C		0.000	0.000	0.836	0.000	0.01
L44	4.08-3.23	A	1.023	0.000	0.000	2.450	0.000	0.02
		B		0.000	0.000	2.877	0.000	0.03
		C		0.000	0.000	2.837	0.000	0.03
L45	3.23-2.88	A	1.005	0.000	0.000	0.967	0.000	0.01
		B		0.000	0.000	1.181	0.000	0.01
		C		0.000	0.000	1.165	0.000	0.01
L46	2.88-2.67	A	0.995	0.000	0.000	0.595	0.000	0.00
		B		0.000	0.000	0.727	0.000	0.01
		C		0.000	0.000	0.718	0.000	0.01
L47	2.67-2.08	A	0.980	0.000	0.000	1.603	0.000	0.01
		B		0.000	0.000	1.961	0.000	0.02
		C		0.000	0.000	1.936	0.000	0.02
L48	2.08-1.83	A	0.961	0.000	0.000	0.683	0.000	0.01
		B		0.000	0.000	0.836	0.000	0.01
		C		0.000	0.000	0.827	0.000	0.01
L49	1.83-0.00	A	0.891	0.000	0.000	4.916	0.000	0.04
		B		0.000	0.000	6.048	0.000	0.06
		C		0.000	0.000	5.995	0.000	0.06

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	147.00-142.00	-0.6397	-0.3965	-1.3253	-1.3899
L2	142.00-137.00	-0.6407	-0.3973	-1.3361	-1.4016
L3	137.00-132.00	2.4657	0.2130	1.4224	-0.5891
L4	132.00-127.00	3.0458	0.3246	1.9034	-0.4607

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L5	127.00-122.00	3.0698	0.3267	1.9319	-0.4672
L6	122.00-117.00	3.0927	0.3287	1.9595	-0.4733
L7	117.00-112.00	3.1147	0.3306	1.9863	-0.4789
L8	112.00-105.00	3.1398	0.3328	2.0175	-0.4851
L9	105.00-103.75	3.1454	0.3333	2.0239	-0.4871
L10	103.75-98.75	3.1578	0.3344	2.0406	-0.4876
L11	98.75-93.75	3.1771	0.3361	2.0653	-0.4918
L12	93.75-89.67	1.1104	1.3942	1.0427	0.2298
L13	89.67-89.42	1.7249	0.0203	1.6375	-0.5866
L14	89.42-88.08	1.2452	-0.0853	1.2745	-0.6589
L15	88.08-87.83	-1.6619	-0.7201	-1.0045	-1.1020
L16	87.83-85.83	-1.6697	-0.7240	-1.0090	-1.1065
L17	85.83-85.58	-1.6774	-0.7279	-1.0136	-1.1109
L18	85.58-84.50	-1.6819	-0.7303	-1.0163	-1.1135
L19	84.50-84.25	-1.6864	-0.7326	-1.0189	-1.1161
L20	84.25-79.25	-0.6395	-1.9442	-0.2256	-1.9660
L21	79.25-73.75	-1.7891	-0.7163	-1.2337	-0.9543
L22	73.75-72.75	-0.2497	-0.2544	-0.0425	-0.6145
L23	72.75-67.75	1.6381	0.1726	1.3784	-0.3187
L24	67.75-63.08	1.0612	1.0097	0.9772	0.4317
L25	63.08-62.83	0.7330	1.4825	0.7229	0.9026
L26	62.83-57.83	0.7398	1.4976	0.7293	0.9120
L27	57.83-52.83	0.7528	1.5263	0.7414	0.9299
L28	52.83-47.83	0.7657	1.5547	0.7536	0.9480
L29	47.83-42.75	0.7786	1.5831	0.7658	0.9664
L30	42.75-42.50	0.7742	1.5734	0.7622	0.9614
L31	42.50-37.50	0.7809	1.5881	0.7693	0.9730
L32	37.50-32.75	0.7607	1.6597	0.7613	1.0303
L33	32.75-32.50	0.7438	1.7050	0.7531	1.0680
L34	32.50-27.50	0.7500	1.7203	0.7593	1.0790
L35	27.50-22.50	0.7616	1.7491	0.7715	1.1004
L36	22.50-17.50	0.7731	1.7778	0.7840	1.1231
L37	17.50-12.50	0.7846	1.8062	0.7970	1.1477
L38	12.50-8.08	-1.6774	1.4556	-1.1549	0.9431
L39	8.08-7.83	-3.3741	1.2084	-2.5903	0.7876
L40	7.83-6.42	-3.3829	1.2115	-2.5970	0.7921
L41	6.42-6.17	-3.3916	1.2145	-2.6038	0.7969
L42	6.17-4.33	-3.4026	1.2184	-2.6126	0.8035
L43	4.33-4.08	-3.4137	1.2223	-2.6217	0.8111
L44	4.08-3.23	-2.2045	-0.0864	-1.4450	-0.3696
L45	3.23-2.88	-2.0614	-0.2453	-1.3120	-0.5028
L46	2.88-2.67	-2.0632	-0.2455	-1.3141	-0.5004
L47	2.67-2.08	-2.0658	-0.2459	-1.3173	-0.4965
L48	2.08-1.83	-2.0681	-0.2462	-1.3206	-0.4914
L49	1.83-0.00	-2.0747	-0.2472	-1.3325	-0.4718

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	HB058-M12-XXXF(5/8)	142.00 - 147.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	40	Safety Line (3/8")	142.00 - 147.00	1.0000	1.0000
L2	2	HB058-M12-XXXF(5/8)	137.00 - 142.00	1.0000	1.0000
L2	40	Safety Line (3/8")	137.00 - 142.00	1.0000	1.0000
L3	2	HB058-M12-XXXF(5/8)	132.00 - 137.00	1.0000	1.0000
L3	6	HB158-21U6S24-xxM_TMO (1-5/8)	132.00 - 136.00	1.0000	1.0000
L3	40	Safety Line (3/8")	132.00 - 137.00	1.0000	1.0000
L4	2	HB058-M12-XXXF(5/8)	127.00 - 132.00	1.0000	1.0000
L4	6	HB158-21U6S24-xxM_TMO (1-5/8)	127.00 - 132.00	1.0000	1.0000
L4	40	Safety Line (3/8")	127.00 - 132.00	1.0000	1.0000
L5	2	HB058-M12-XXXF(5/8)	122.00 - 127.00	1.0000	1.0000
L5	6	HB158-21U6S24-xxM_TMO (1-5/8)	122.00 - 127.00	1.0000	1.0000
L5	40	Safety Line (3/8")	122.00 - 127.00	1.0000	1.0000
L6	2	HB058-M12-XXXF(5/8)	117.00 - 122.00	1.0000	1.0000
L6	6	HB158-21U6S24-xxM_TMO (1-5/8)	117.00 - 122.00	1.0000	1.0000
L6	40	Safety Line (3/8")	117.00 - 122.00	1.0000	1.0000
L7	2	HB058-M12-XXXF(5/8)	112.00 - 117.00	1.0000	1.0000
L7	6	HB158-21U6S24-xxM_TMO (1-5/8)	112.00 - 117.00	1.0000	1.0000
L7	40	Safety Line (3/8")	112.00 - 117.00	1.0000	1.0000
L8	2	HB058-M12-XXXF(5/8)	105.00 - 112.00	1.0000	1.0000
L8	6	HB158-21U6S24-xxM_TMO (1-5/8)	105.00 - 112.00	1.0000	1.0000
L8	40	Safety Line (3/8")	105.00 - 112.00	1.0000	1.0000
L9	2	HB058-M12-XXXF(5/8)	103.75 - 105.00	1.0000	1.0000
L9	6	HB158-21U6S24-xxM_TMO (1-5/8)	103.75 - 105.00	1.0000	1.0000
L9	40	Safety Line (3/8")	103.75 - 105.00	1.0000	1.0000
L10	2	HB058-M12-XXXF(5/8)	98.75 - 103.75	1.0000	1.0000
L10	6	HB158-21U6S24-xxM_TMO (1-5/8)	98.75 - 103.75	1.0000	1.0000
L10	40	Safety Line (3/8")	98.75 - 103.75	1.0000	1.0000
L11	2	HB058-M12-XXXF(5/8)	93.75 - 98.75	1.0000	1.0000
L11	6	HB158-21U6S24-xxM_TMO (1-5/8)	93.75 - 98.75	1.0000	1.0000
L11	40	Safety Line (3/8")	93.75 - 98.75	1.0000	1.0000
L12	2	HB058-M12-XXXF(5/8)	89.67 - 93.75	1.0000	1.0000
L12	6	HB158-21U6S24-xxM_TMO (1-5/8)	89.67 - 93.75	1.0000	1.0000
L12	24	(Area) Aero MP3-05 (H)	89.67 - 90.50	1.0000	1.0000
L12	25	(Area) Aero MP3-05 (H)	89.67 - 90.50	1.0000	1.0000
L12	28	(Area) Aero MP3-05 (H)	89.67 - 92.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L12	40	Safety Line (3/8")	89.67 - 93.75	1.0000	1.0000
L13	2	HB058-M12-XXXF(5/8)	89.42 - 89.67	1.0000	1.0000
L13	6	HB158-21U6S24-xxM_TMO (1-5/8)	89.42 - 89.67	1.0000	1.0000
L13	24	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	25	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	28	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	40	Safety Line (3/8")	89.42 - 89.67	1.0000	1.0000
L14	2	HB058-M12-XXXF(5/8)	88.08 - 89.42	1.0000	1.0000
L14	6	HB158-21U6S24-xxM_TMO (1-5/8)	88.08 - 89.42	1.0000	1.0000
L14	24	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	25	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	27	(Area) Aero MP3-05 (H)	88.08 - 88.25	1.0000	1.0000
L14	28	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	40	Safety Line (3/8")	88.08 - 89.42	1.0000	1.0000
L15	2	HB058-M12-XXXF(5/8)	87.83 - 88.08	1.0000	1.0000
L15	6	HB158-21U6S24-xxM_TMO (1-5/8)	87.83 - 88.08	1.0000	1.0000
L15	24	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	25	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	27	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	28	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	40	Safety Line (3/8")	87.83 - 88.08	1.0000	1.0000
L16	2	HB058-M12-XXXF(5/8)	85.83 - 87.83	1.0000	1.0000
L16	6	HB158-21U6S24-xxM_TMO (1-5/8)	85.83 - 87.83	1.0000	1.0000
L16	24	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	25	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	27	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	28	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	40	Safety Line (3/8")	85.83 - 87.83	1.0000	1.0000
L17	2	HB058-M12-XXXF(5/8)	85.58 - 85.83	1.0000	1.0000
L17	6	HB158-21U6S24-xxM_TMO (1-5/8)	85.58 - 85.83	1.0000	1.0000
L17	24	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	25	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	27	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	28	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	40	Safety Line (3/8")	85.58 - 85.83	1.0000	1.0000
L18	2	HB058-M12-XXXF(5/8)	84.50 - 85.58	1.0000	1.0000
L18	6	HB158-21U6S24-xxM_TMO (1-5/8)	84.50 - 85.58	1.0000	1.0000
L18	24	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	25	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	27	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	28	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	40	Safety Line (3/8")	84.50 - 85.58	1.0000	1.0000
L19	2	HB058-M12-XXXF(5/8)	84.25 - 84.50	1.0000	1.0000
L19	6	HB158-21U6S24-xxM_TMO (1-5/8)	84.25 - 84.50	1.0000	1.0000
L19	24	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	25	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	27	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	28	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	40	Safety Line (3/8")	84.25 - 84.50	1.0000	1.0000
L20	2	HB058-M12-XXXF(5/8)	79.25 - 84.25	1.0000	1.0000
L20	6	HB158-21U6S24-xxM_TMO (1-5/8)	79.25 - 84.25	1.0000	1.0000
L20	24	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000
L20	25	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000
L20	27	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L20	28	(Area) Aero MP3-05 (H)	82.08 - 84.25	1.0000	1.0000
L20	40	Safety Line (3/8")	79.25 - 84.25	1.0000	1.0000
L21	2	HB058-M12-XXXF(5/8)	73.75 - 79.25	1.0000	1.0000
L21	6	HB158-21U6S24-xxM_TMO (1-5/8)	73.75 - 79.25	1.0000	1.0000
L21	22	(Area) Aero MP3-05 (H)	73.75 - 79.00	1.0000	1.0000
L21	24	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	25	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	27	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	40	Safety Line (3/8")	73.75 - 79.25	1.0000	1.0000
L22	2	HB058-M12-XXXF(5/8)	72.75 - 73.75	1.0000	1.0000
L22	6	HB158-21U6S24-xxM_TMO (1-5/8)	72.75 - 73.75	1.0000	1.0000
L22	22	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	24	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	25	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	27	(Area) Aero MP3-05 (H)	73.25 - 73.75	1.0000	1.0000
L22	40	Safety Line (3/8")	72.75 - 73.75	1.0000	1.0000
L23	2	HB058-M12-XXXF(5/8)	67.75 - 72.75	1.0000	1.0000
L23	6	HB158-21U6S24-xxM_TMO (1-5/8)	67.75 - 72.75	1.0000	1.0000
L23	22	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	24	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	25	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	40	Safety Line (3/8")	67.75 - 72.75	1.0000	1.0000
L24	2	HB058-M12-XXXF(5/8)	63.08 - 67.75	1.0000	1.0000
L24	6	HB158-21U6S24-xxM_TMO (1-5/8)	63.08 - 67.75	1.0000	1.0000
L24	22	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	24	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	25	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	34	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	35	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	36	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	40	Safety Line (3/8")	63.08 - 67.75	1.0000	1.0000
L25	2	HB058-M12-XXXF(5/8)	62.83 - 63.08	1.0000	1.0000
L25	6	HB158-21U6S24-xxM_TMO (1-5/8)	62.83 - 63.08	1.0000	1.0000
L25	22	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	24	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	25	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	34	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	35	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	36	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	40	Safety Line (3/8")	62.83 - 63.08	1.0000	1.0000
L26	2	HB058-M12-XXXF(5/8)	57.83 - 62.83	1.0000	1.0000
L26	6	HB158-21U6S24-xxM_TMO (1-5/8)	57.83 - 62.83	1.0000	1.0000
L26	22	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	24	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	25	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	34	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	35	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	36	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	40	Safety Line (3/8")	57.83 - 62.83	1.0000	1.0000
L27	2	HB058-M12-XXXF(5/8)	52.83 - 57.83	1.0000	1.0000
L27	6	HB158-21U6S24-xxM_TMO (1-5/8)	52.83 - 57.83	1.0000	1.0000
L27	22	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	24	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	25	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	34	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	35	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L27	36	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L27	40	Safety Line (3/8")	52.83 - 57.83	1.0000	1.0000
L28	2	HB058-M12-XXXF(5/8)	47.83 - 52.83	1.0000	1.0000
L28	6	HB158-21U6S24-xxM_TMO (1-5/8)	47.83 - 52.83	1.0000	1.0000
L28	22	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	24	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	25	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	34	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	35	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	36	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	40	Safety Line (3/8")	47.83 - 52.83	1.0000	1.0000
L29	2	HB058-M12-XXXF(5/8)	42.75 - 47.83	1.0000	1.0000
L29	6	HB158-21U6S24-xxM_TMO (1-5/8)	42.75 - 47.83	1.0000	1.0000
L29	22	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	24	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	25	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	34	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	35	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	36	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	40	Safety Line (3/8")	42.75 - 47.83	1.0000	1.0000
L30	2	HB058-M12-XXXF(5/8)	42.50 - 42.75	1.0000	1.0000
L30	6	HB158-21U6S24-xxM_TMO (1-5/8)	42.50 - 42.75	1.0000	1.0000
L30	22	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	24	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	25	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	34	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	35	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	36	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	40	Safety Line (3/8")	42.50 - 42.75	1.0000	1.0000
L31	2	HB058-M12-XXXF(5/8)	37.50 - 42.50	1.0000	1.0000
L31	6	HB158-21U6S24-xxM_TMO (1-5/8)	37.50 - 42.50	1.0000	1.0000
L31	22	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	24	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	25	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	34	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	35	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	36	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	40	Safety Line (3/8")	37.50 - 42.50	1.0000	1.0000
L32	2	HB058-M12-XXXF(5/8)	32.75 - 37.50	1.0000	1.0000
L32	6	HB158-21U6S24-xxM_TMO (1-5/8)	32.75 - 37.50	1.0000	1.0000
L32	22	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	24	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	25	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	30	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	31	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	32	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	34	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	35	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	36	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	40	Safety Line (3/8")	32.75 - 37.50	1.0000	1.0000
L33	2	HB058-M12-XXXF(5/8)	32.50 - 32.75	1.0000	1.0000
L33	6	HB158-21U6S24-xxM_TMO (1-5/8)	32.50 - 32.75	1.0000	1.0000
L33	22	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000
L33	24	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000
L33	25	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	30	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	31	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	32	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	40	Safety Line (3/8")	32.50 - 32.75	1.0000	1.0000
L34	2	HB058-M12-XXXF(5/8)	27.50 - 32.50	1.0000	1.0000
L34	6	HB158-21U6S24-xxM_TMO (1-5/8)	27.50 - 32.50	1.0000	1.0000
L34	22	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	24	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	25	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	30	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	31	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	32	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	40	Safety Line (3/8")	27.50 - 32.50	1.0000	1.0000
L35	2	HB058-M12-XXXF(5/8)	22.50 - 27.50	1.0000	1.0000
L35	6	HB158-21U6S24-xxM_TMO (1-5/8)	22.50 - 27.50	1.0000	1.0000
L35	22	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	24	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	25	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	30	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	31	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	32	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	40	Safety Line (3/8")	22.50 - 27.50	1.0000	1.0000
L36	2	HB058-M12-XXXF(5/8)	17.50 - 22.50	1.0000	1.0000
L36	6	HB158-21U6S24-xxM_TMO (1-5/8)	17.50 - 22.50	1.0000	1.0000
L36	22	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	24	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	25	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	30	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	31	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	32	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	40	Safety Line (3/8")	17.50 - 22.50	1.0000	1.0000
L37	2	HB058-M12-XXXF(5/8)	12.50 - 17.50	1.0000	1.0000
L37	6	HB158-21U6S24-xxM_TMO (1-5/8)	12.50 - 17.50	1.0000	1.0000
L37	22	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	24	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	25	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	30	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	31	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	32	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	40	Safety Line (3/8")	12.50 - 17.50	1.0000	1.0000
L38	2	HB058-M12-XXXF(5/8)	8.08 - 12.50	1.0000	1.0000
L38	6	HB158-21U6S24-xxM_TMO (1-5/8)	8.08 - 12.50	1.0000	1.0000
L38	19	(Area) Aero MP3-05 (H)	8.08 - 10.50	1.0000	1.0000
L38	20	(Area) Aero MP3-05 (H)	8.08 - 10.50	1.0000	1.0000
L38	22	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	24	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	25	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	30	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	31	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	32	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	40	Safety Line (3/8")	8.08 - 12.50	1.0000	1.0000
L39	2	HB058-M12-XXXF(5/8)	7.83 - 8.08	1.0000	1.0000
L39	6	HB158-21U6S24-xxM_TMO (1-5/8)	7.83 - 8.08	1.0000	1.0000
L39	19	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	20	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	22	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	24	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	25	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	30	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	31	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	32	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	40	Safety Line (3/8")	7.83 - 8.08	1.0000	1.0000
L40	2	HB058-M12-XXXF(5/8)	6.42 - 7.83	1.0000	1.0000
L40	6	HB158-21U6S24-xxM_TMO (1-5/8)	6.42 - 7.83	1.0000	1.0000
L40	19	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	20	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	22	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	24	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	25	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	30	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	31	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	32	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	40	Safety Line (3/8")	6.42 - 7.83	1.0000	1.0000
L41	2	HB058-M12-XXXF(5/8)	6.17 - 6.42	1.0000	1.0000
L41	6	HB158-21U6S24-xxM_TMO (1-5/8)	6.17 - 6.42	1.0000	1.0000
L41	19	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	20	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	22	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	24	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	25	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	30	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	31	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	32	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	40	Safety Line (3/8")	6.17 - 6.42	1.0000	1.0000
L42	2	HB058-M12-XXXF(5/8)	4.33 - 6.17	1.0000	1.0000
L42	6	HB158-21U6S24-xxM_TMO (1-5/8)	4.33 - 6.17	1.0000	1.0000
L42	19	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	20	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	22	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	24	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	25	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	30	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	31	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	32	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	40	Safety Line (3/8")	4.33 - 6.17	1.0000	1.0000
L43	2	HB058-M12-XXXF(5/8)	4.08 - 4.33	1.0000	1.0000
L43	6	HB158-21U6S24-xxM_TMO (1-5/8)	4.08 - 4.33	1.0000	1.0000
L43	19	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	20	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	22	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	24	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	25	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	30	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	31	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	32	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	40	Safety Line (3/8")	4.08 - 4.33	1.0000	1.0000
L44	2	HB058-M12-XXXF(5/8)	3.23 - 4.08	1.0000	1.0000
L44	6	HB158-21U6S24-xxM_TMO (1-5/8)	3.23 - 4.08	1.0000	1.0000
L44	19	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	20	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	22	(Area) Aero MP3-05 (H)	4.00 - 4.08	1.0000	1.0000
L44	24	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	25	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L44	30	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	31	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	32	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	40	Safety Line (3/8")	3.23 - 4.08	1.0000	1.0000
L45	2	HB058-M12-XXXF(5/8)	2.88 - 3.23	1.0000	1.0000
L45	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.88 - 3.23	1.0000	1.0000
L45	19	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	20	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	24	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	25	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	30	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	31	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	32	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	40	Safety Line (3/8")	2.88 - 3.23	1.0000	1.0000
L46	2	HB058-M12-XXXF(5/8)	2.67 - 2.88	1.0000	1.0000
L46	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.67 - 2.88	1.0000	1.0000
L46	19	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	20	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	24	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	25	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	30	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	31	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	32	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	40	Safety Line (3/8")	2.67 - 2.88	1.0000	1.0000
L47	2	HB058-M12-XXXF(5/8)	2.08 - 2.67	1.0000	1.0000
L47	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.08 - 2.67	1.0000	1.0000
L47	19	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	20	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	24	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	25	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	30	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	31	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	32	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	40	Safety Line (3/8")	2.08 - 2.67	1.0000	1.0000
L48	2	HB058-M12-XXXF(5/8)	1.83 - 2.08	1.0000	1.0000
L48	6	HB158-21U6S24-xxM_TMO (1-5/8)	1.83 - 2.08	1.0000	1.0000
L48	19	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	20	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	24	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	25	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	30	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	31	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	32	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	40	Safety Line (3/8")	1.83 - 2.08	1.0000	1.0000
L49	2	HB058-M12-XXXF(5/8)	0.00 - 1.83	1.0000	1.0000
L49	6	HB158-21U6S24-xxM_TMO (1-5/8)	0.00 - 1.83	1.0000	1.0000
L49	19	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	20	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	24	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	25	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	30	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	31	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	32	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	40	Safety Line (3/8")	0.00 - 1.83	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
L12	24	(Area) Aero MP3-05 (H)	89.67 - 90.50	Auto	0.0737
L12	25	(Area) Aero MP3-05 (H)	89.67 - 90.50	Auto	0.0737
L12	28	(Area) Aero MP3-05 (H)	89.67 - 92.08	Auto	0.0781
L13	24	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L13	25	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L13	28	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L14	24	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L14	25	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L14	27	(Area) Aero MP3-05 (H)	88.08 - 88.25	Auto	0.0650
L14	28	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L15	24	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	25	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	27	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	28	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L16	24	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	25	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	27	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	28	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L17	24	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	25	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	27	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	28	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L18	24	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	25	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	27	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	28	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L19	24	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	25	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	27	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	28	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L20	24	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	25	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	27	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	28	(Area) Aero MP3-05 (H)	82.08 - 84.25	Auto	0.0844
L21	22	(Area) Aero MP3-05 (H)	73.75 - 79.00	Auto	0.0462
L21	24	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L21	25	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L21	27	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L22	22	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	24	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	25	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	27	(Area) Aero MP3-05 (H)	73.25 - 73.75	Auto	0.0838
L23	22	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L23	24	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L23	25	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L24	22	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	24	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	25	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	34	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L24	35	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L24	36	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L25	22	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741
L25	24	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L25	25	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741
L25	34	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L25	35	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L25	36	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L26	22	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	24	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	25	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	34	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L26	35	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L26	36	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L27	22	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	24	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	25	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	34	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L27	35	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L27	36	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L28	22	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	24	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	25	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	34	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L28	35	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L28	36	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L29	22	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	24	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	25	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	34	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L29	35	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L29	36	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L30	22	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	24	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	25	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	34	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L30	35	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L30	36	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L31	22	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	24	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	25	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	34	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L31	35	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L31	36	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L32	22	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	24	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	25	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	30	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	31	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	32	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	34	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L32	35	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L32	36	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L33	22	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	24	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	25	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	30	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L33	31	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L33	32	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L34	22	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	24	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	25	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	30	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263
L34	31	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263
L34	32	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L35	22	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	24	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	25	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	30	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L35	31	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L35	32	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L36	22	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	24	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	25	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	30	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L36	31	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L36	32	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L37	22	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	24	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	25	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	30	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L37	31	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L37	32	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L38	19	(Area) Aero MP3-05 (H)	8.08 - 10.50	Auto	0.0000
L38	20	(Area) Aero MP3-05 (H)	8.08 - 10.50	Auto	0.0000
L38	22	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	24	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	25	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	30	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L38	31	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L38	32	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L39	19	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	20	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	22	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	24	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	25	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	30	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L39	31	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L39	32	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L40	19	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	20	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	22	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	24	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	25	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	30	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L40	31	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L40	32	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L41	19	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	20	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	22	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	24	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	25	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	30	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L41	31	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L41	32	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L42	19	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	20	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	22	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	24	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	25	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	30	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L42	31	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L42	32	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L43	19	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	20	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	22	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	24	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	25	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	30	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L43	31	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L43	32	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L44	19	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	20	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	22	(Area) Aero MP3-05 (H)	4.00 - 4.08	Auto	0.0000
L44	24	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	25	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	30	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L44	31	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L44	32	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L45	19	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	20	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	24	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	25	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	30	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L45	31	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L45	32	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L46	19	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	20	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	24	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	25	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	30	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L46	31	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L46	32	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L47	19	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	20	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	24	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	25	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	30	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L47	31	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L47	32	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L48	19	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	20	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	24	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	25	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	30	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L48	31	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L48	32	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L49	19	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	20	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	24	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	25	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	30	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	Auto	0.0000
L49	31	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	Auto	0.0000
L49	32	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
147									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	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 -6.00 0.00	20.0000	147.00	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 -6.00 0.00	0.0000	147.00	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 2.00 0.00	-20.0000	147.00	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-Leg	4.00 2.00 0.00	20.0000	147.00	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	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	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
800 EXTERNAL NOTCH FILTER	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800MHZ RRH	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
(3) ACU-A20-N	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(3) ACU-A20-N	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) ACU-A20-N	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
1900MHZ RRH (65MHZ)	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
1900MHZ RRH (65MHZ)	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
1900MHZ RRH (65MHZ)	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
TD-RRH8X20-25	A	From Centroid-Leg	4.00 2.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	B	From Centroid-Leg	4.00 2.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
(2) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Miscellaneous [NA 510-3]	C	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.03 18.71 23.00 30.80	14.03 18.71 23.00 30.80	0.52 0.73 1.01 1.76
Platform Mount [LP 1201-1]	C	None		0.0000	147.00	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
136									
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.87 6.23 6.61 7.38	3.27 3.73 4.20 5.20	0.13 0.18 0.23 0.36
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.87 6.23 6.61 7.38	3.27 3.73 4.20 5.20	0.13 0.18 0.23 0.36

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.87 6.23 6.61 7.38	3.27 3.73 4.20 5.20	0.13 0.18 0.23 0.36
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	A	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	B	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	C	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
RADIO 4449 B71 B85A_T-MOBILE	A	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4415 B66A	A	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4415 B66A	B	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4415 B66A	C	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4424 B25_TMOV1	A	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.10 0.12 0.14 0.20
RADIO 4424 B25_TMOV1	B	From	4.00	30.0000	136.00	No Ice	2.05	1.61	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	6.00 1.00			1/2" Ice 1" Ice 2" Ice	2.23 2.42 2.81	1.77 1.94 2.30	0.12 0.14 0.20
RADIO 4424 B25_TMOV1	C	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.10 0.12 0.14 0.20
2.4" x 8' Pipe	A	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
2.4" x 8' Pipe	B	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
2.4" x 8' Pipe	C	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
RMQP-469-HK	C	None		0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	23.14 28.17 33.23 43.35	21.40 26.44 31.60 41.92	1.95 2.34 2.85 3.87
118									
RRFDC-3315-PF-48	A	From Leg	1.00 0.00 0.00	0.0000	118.00	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 Leg	1.00 0.00 0.00	0.0000	118.00	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
115									
(2) LPA-80080/4CF w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.11 3.58 4.02 4.90	6.82 7.65 8.35 9.81	0.03 0.08 0.14 0.27
(2) LPA-80063/6CF w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.06 10.75 11.40 12.62	10.45 11.74 12.87 14.82	0.06 0.15 0.25 0.49
(2) APL868013-42T0 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.63 3.07 3.53 4.49	4.13 4.60 5.09 6.11	0.03 0.06 0.11 0.21
BXA-171085-8BF-EDIN-2 w/ Mount Pipe	A	From Centroid-Leg	4.00 4.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.18 3.56 3.93 4.69	3.35 3.97 4.60 5.89	0.03 0.06 0.10 0.19
BXA-171085-8BF-EDIN-2 w/ Mount Pipe	B	From Centroid-Leg	4.00 4.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.18 3.56 3.93 4.69	3.35 3.97 4.60 5.89	0.03 0.06 0.10 0.19
BXA-171085-8BF-EDIN-2 w/ Mount Pipe	C	From Centroid-Leg	4.00 4.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.18 3.56 3.93 4.69	3.35 3.97 4.60 5.89	0.03 0.06 0.10 0.19

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
B66A RRH4X45 (UHIE)	A	From Centroid-Leg	4.00 -2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.54 2.75 2.97 3.43	1.61 1.79 1.98 2.37	0.06 0.08 0.10 0.16
B66A RRH4X45 (UHIE)	B	From Centroid-Leg	4.00 -2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.54 2.75 2.97 3.43	1.61 1.79 1.98 2.37	0.06 0.08 0.10 0.16
B66A RRH4X45 (UHIE)	C	From Centroid-Leg	4.00 -2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.54 2.75 2.97 3.43	1.61 1.79 1.98 2.37	0.06 0.08 0.10 0.16
B13 RRH 4X30	A	From Centroid-Leg	4.00 2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.84	1.32 1.48 1.64 2.00	0.06 0.07 0.09 0.14
B13 RRH 4X30	B	From Centroid-Leg	4.00 2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.84	1.32 1.48 1.64 2.00	0.06 0.07 0.09 0.14
B13 RRH 4X30	C	From Centroid-Leg	4.00 2.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.84	1.32 1.48 1.64 2.00	0.06 0.07 0.09 0.14
(2) 2.4" Dia x 4-ft 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	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(2) 2.4" Dia x 4-ft 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	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(2) 2.4" Dia x 4-ft 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	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
Platform Mount [LP 714-1]	C	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.51 41.70 45.89 54.29	37.51 41.70 45.89 54.29	1.60 2.50 3.46 5.58
106 7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 0.00	35.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
7770.00 w/ Mount Pipe	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
SBNHH-1D65A w/ Mount Pipe	A	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
SBNHH-1D65A w/ Mount Pipe	B	From Centroid-Leg	4.00 -2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
SBNHH-1D65A w/ Mount Pipe	C	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
DMP65R-BU4D w/ Mount Pipe	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
DMP65R-BU4D w/ Mount Pipe	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
DMP65R-BU4D w/ Mount Pipe	C	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
TPA-65R-BU4AA-K w/ Mount Pipe	A	From Centroid-Leg	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
TPA-65R-BU4AA-K w/ Mount Pipe	B	From Centroid-Leg	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
TPA-65R-BU4AA-K w/ Mount Pipe	C	From Centroid-Leg	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
(2) LGP21401	A	From Centroid-Leg	4.00 -6.00 0.00	35.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.21 0.27 0.35 0.52	0.01 0.02 0.03 0.05
(2) LGP21401	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.21 0.27 0.35 0.52	0.01 0.02 0.03 0.05
(2) LGP21401	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.21 0.27 0.35 0.52	0.01 0.02 0.03 0.05
(2) 7020.00	A	From	4.00	35.0000	106.00	No Ice	0.10	0.17	0.00

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	-6.00 0.00			1/2" Ice 1" Ice	0.15 0.20	0.24 0.31	0.01 0.01
						2" Ice	0.33	0.48	0.02
(2) 7020.00	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
(2) 7020.00	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
RRUS 32 B2_CCIV2	A	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RRUS 32 B2_CCIV2	B	From Centroid-Leg	4.00 -2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RRUS 32 B2_CCIV2	C	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RADIO 4449 B5/B12	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	C	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RRUS 4478 B14	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4426 B66	A	From Centroid-Leg	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.73 0.84 0.97 1.24	0.05 0.06 0.08 0.11
RRUS 4426 B66	B	From Centroid-Leg	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.73 0.84 0.97 1.24	0.05 0.06 0.08 0.11
RRUS 4426 B66	C	From Centroid-Leg	4.00 6.00	23.0000	106.00	No Ice 1/2" Ice	1.64 1.80	0.73 0.84	0.05 0.06

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	1.97	0.97	0.08
						2" Ice	2.33	1.24	0.11
RRUS 32 B30	A	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	B	From Centroid-Le g	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	C	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
DC6-48-60-18-8F	A	From Centroid-Le g	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	B	From Centroid-Le g	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	C	From Centroid-Le g	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.0000	106.00	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
76									
OG-860/1920/GPS-A	B	From Leg	3.00 0.00 1.00	0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.31 0.40 0.49 0.70	0.37 0.46 0.55 0.77	0.00 0.01 0.01 0.02
KS24019-L112A	C	From Leg	3.00 0.00 1.00	0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.08 0.13 0.19 0.35	0.08 0.13 0.19 0.35	0.01 0.01 0.01 0.02
Side Arm Mount [SO 701-3]	C	None		0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.83 3.92 5.01 7.19	2.83 3.92 5.01 7.19	0.20 0.24 0.28 0.36
****									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	147 - 142	Pole	Max Tension	26	0.00	0.00	-0.00
			Max. Compression	26	-10.28	0.02	0.02
			Max. Mx	20	-4.39	27.14	0.46
			Max. My	2	-4.37	0.55	27.72
			Max. Vy	8	5.65	-27.14	-0.53

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	-5.77	0.55	27.72
			Max. Torque	25			-0.67
L2	142 - 137	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.94	0.05	0.05
			Max. Mx	20	-4.75	56.53	0.96
			Max. My	2	-4.73	1.03	57.68
			Max. Vy	8	6.11	-56.53	-1.02
			Max. Vx	2	-6.22	1.03	57.68
			Max. Torque	25			-0.67
L3	137 - 132	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.68	-0.01	0.12
			Max. Mx	8	-9.17	-113.75	-1.51
			Max. My	2	-9.14	1.49	115.48
			Max. Vy	8	12.08	-113.75	-1.51
			Max. Vx	2	-12.20	1.49	115.48
			Max. Torque	25			-0.67
L4	132 - 127	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.49	-0.10	0.20
			Max. Mx	8	-9.62	-175.37	-2.00
			Max. My	2	-9.59	1.94	177.68
			Max. Vy	8	12.55	-175.37	-2.00
			Max. Vx	2	-12.67	1.94	177.68
			Max. Torque	25			-0.67
L5	127 - 122	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.31	-0.19	0.29
			Max. Mx	8	-10.09	-239.32	-2.48
			Max. My	2	-10.06	2.39	242.22
			Max. Vy	8	13.02	-239.32	-2.48
			Max. Vx	2	-13.14	2.39	242.22
			Max. Torque	25			-0.67
L6	122 - 117	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.39	-0.49	0.50
			Max. Mx	8	-10.61	-305.97	-2.98
			Max. My	2	-10.58	2.84	309.47
			Max. Vy	8	13.79	-305.97	-2.98
			Max. Vx	2	-13.94	2.84	309.47
			Max. Torque	24			-0.93
L7	117 - 112	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.79	-2.06	0.08
			Max. Mx	8	-13.88	-398.94	-4.25
			Max. My	2	-13.85	3.94	402.61
			Max. Vy	8	20.50	-398.94	-4.25
			Max. Vx	2	-20.61	3.94	402.61
			Max. Torque	14			3.28
L8	112 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.40	-2.13	0.14
			Max. Mx	8	-14.29	-466.06	-5.08
			Max. My	2	-14.26	4.74	470.06
			Max. Vy	8	20.80	-466.06	-5.08
			Max. Vx	2	-20.91	4.74	470.06
			Max. Torque	14			3.28
L9	105 - 103.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.91	-2.23	0.24
			Max. Mx	8	-20.36	-585.79	-6.18
			Max. My	2	-20.32	5.83	590.66
			Max. Vy	8	27.70	-585.79	-6.18
			Max. Vx	2	-27.97	5.83	590.66
			Max. Torque	14			3.89
L10	103.75 - 98.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.04	-2.34	0.34
			Max. Mx	8	-21.24	-725.40	-7.01

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	-21.19	6.61	731.58
			Max. Vy	8	28.15	-725.40	-7.01
			Max. Vx	2	-28.41	6.61	731.58
			Max. Torque	14			3.89
L11	98.75 - 93.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.20	-2.44	0.44
			Max. Mx	8	-22.15	-867.20	-7.83
			Max. My	2	-22.11	7.39	874.68
			Max. Vy	8	28.58	-867.20	-7.83
			Max. Vx	2	-28.84	7.39	874.68
			Max. Torque	14			3.89
L12	93.75 - 89.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.20	-2.50	0.52
			Max. Mx	8	-22.92	-984.58	-8.49
			Max. My	2	-22.88	8.02	993.13
			Max. Vy	8	28.92	-984.58	-8.49
			Max. Vx	2	-29.20	8.02	993.13
			Max. Torque	14			3.89
L13	89.667 - 89.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.27	-2.51	0.53
			Max. Mx	8	-22.99	-991.81	-8.53
			Max. My	2	-22.95	8.06	1000.43
			Max. Vy	8	28.94	-991.81	-8.53
			Max. Vx	2	-29.21	8.06	1000.43
			Max. Torque	14			3.88
L14	89.417 - 88.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.66	-2.53	0.55
			Max. Mx	8	-23.26	-1030.49	-8.75
			Max. My	2	-23.21	8.27	1039.48
			Max. Vy	8	29.06	-1030.49	-8.75
			Max. Vx	2	-29.35	8.27	1039.48
			Max. Torque	14			3.88
L15	88.083 - 87.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.75	-2.54	0.55
			Max. Mx	8	-23.34	-1037.76	-8.79
			Max. My	2	-23.30	8.31	1046.82
			Max. Vy	8	29.07	-1037.76	-8.79
			Max. Vx	2	-29.36	8.31	1046.82
			Max. Torque	14			3.88
L16	87.833 - 85.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.46	-2.55	0.56
			Max. Mx	8	-23.83	-1096.11	-9.12
			Max. My	2	-23.79	8.62	1105.76
			Max. Vy	8	29.27	-1096.11	-9.12
			Max. Vx	2	-29.58	8.62	1105.76
			Max. Torque	14			3.88
L17	85.833 - 85.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.55	-2.55	0.56
			Max. Mx	8	-23.91	-1103.43	-9.16
			Max. My	2	-23.87	8.66	1113.15
			Max. Vy	8	29.29	-1103.43	-9.16
			Max. Vx	2	-29.60	8.66	1113.15
			Max. Torque	14			3.88
L18	85.583 - 84.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.96	-2.55	0.57
			Max. Mx	8	-24.20	-1135.22	-9.33

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	-24.15	8.83	1145.28
			Max. Vy	8	29.41	-1135.22	-9.33
			Max. Vx	2	-29.72	8.83	1145.28
			Max. Torque	14			3.88
L19	84.5 - 84.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.05	-2.55	0.57
			Max. Mx	8	-24.27	-1142.58	-9.37
			Max. My	2	-24.23	8.87	1152.71
			Max. Vy	8	29.43	-1142.58	-9.37
			Max. Vx	2	-29.74	8.87	1152.71
			Max. Torque	14			3.88
L20	84.25 - 79.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.79	-2.60	0.59
			Max. Mx	8	-25.55	-1290.91	-10.18
			Max. My	2	-25.51	9.64	1302.62
			Max. Vy	8	29.91	-1290.91	-10.18
			Max. Vx	2	-30.22	9.64	1302.62
			Max. Torque	14			3.88
L21	79.25 - 73.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.24	-2.61	0.59
			Max. Mx	8	-25.87	-1328.37	-10.39
			Max. My	2	-25.83	9.84	1340.47
			Max. Vy	8	30.03	-1328.37	-10.39
			Max. Vx	2	-30.35	9.84	1340.47
			Max. Torque	14			3.88
L22	73.75 - 72.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.75	-2.64	0.56
			Max. Mx	8	-28.41	-1488.19	-11.25
			Max. My	2	-28.37	10.66	1502.06
			Max. Vy	8	30.80	-1488.19	-11.25
			Max. Vx	2	-31.16	10.66	1502.06
			Max. Torque	14			3.92
L23	72.75 - 67.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.63	-2.72	0.66
			Max. Mx	8	-29.87	-1643.34	-12.05
			Max. My	2	-29.83	11.44	1659.05
			Max. Vy	8	31.27	-1643.34	-12.05
			Max. Vx	2	-31.65	11.44	1659.05
			Max. Torque	14			3.92
L24	67.75 - 63.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.49	-2.80	0.74
			Max. Mx	8	-31.25	-1790.32	-12.80
			Max. My	2	-31.21	12.16	1807.89
			Max. Vy	8	31.69	-1790.32	-12.80
			Max. Vx	2	-32.11	12.16	1807.89
			Max. Torque	14			3.92
L25	63.08 - 62.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.62	-2.81	0.75
			Max. Mx	8	-31.35	-1798.24	-12.84
			Max. My	2	-31.32	12.19	1815.92
			Max. Vy	8	31.70	-1798.24	-12.84
			Max. Vx	2	-32.12	12.19	1815.92
			Max. Torque	14			3.92
L26	62.83 - 57.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.06	-2.91	0.83
			Max. Mx	8	-33.19	-1958.00	-13.63
			Max. My	2	-33.15	12.96	1977.91
			Max. Vy	8	32.20	-1958.00	-13.63
			Max. Vx	2	-32.67	12.96	1977.91
			Max. Torque	14			3.92
L27	57.83 - 52.83	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	-67.53	-3.01	0.91
			Max. Mx	8	-35.06	-2120.15	-14.42
			Max. My	2	-35.02	13.72	2142.54
			Max. Vy	8	32.67	-2120.15	-14.42
			Max. Vx	2	-33.19	13.72	2142.54
			Max. Torque	14			3.92
L28	52.83 - 47.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.02	-3.11	0.99
			Max. Mx	8	-36.95	-2284.63	-15.21
			Max. My	2	-36.92	14.49	2309.71
			Max. Vy	8	33.13	-2284.63	-15.21
			Max. Vx	2	-33.69	14.49	2309.71
			Max. Torque	14			3.92
L29	47.83 - 42.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.18	-3.12	1.00
			Max. Mx	8	-37.09	-2295.57	-15.27
			Max. My	2	-37.05	14.54	2320.84
			Max. Vy	8	33.15	-2295.57	-15.27
			Max. Vx	2	-33.71	14.54	2320.84
			Max. Torque	14			3.92
L30	42.75 - 42.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.68	-3.22	1.08
			Max. Mx	8	-40.64	-2462.81	-16.05
			Max. My	2	-40.60	15.30	2490.98
			Max. Vy	8	33.73	-2462.81	-16.05
			Max. Vx	2	-34.33	15.30	2490.98
			Max. Torque	14			3.92
L31	42.5 - 37.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-77.33	-3.32	1.17
			Max. Mx	8	-42.71	-2632.51	-16.84
			Max. My	2	-42.67	16.05	2663.77
			Max. Vy	8	34.16	-2632.51	-16.84
			Max. Vx	2	-34.79	16.05	2663.77
			Max. Torque	14			3.92
L32	37.5 - 32.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.88	-3.43	1.25
			Max. Mx	8	-44.71	-2795.64	-17.58
			Max. My	2	-44.68	16.77	2829.99
			Max. Vy	8	34.54	-2795.64	-17.58
			Max. Vx	2	-35.21	16.77	2829.99
			Max. Torque	14			3.91
L33	32.75 - 32.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.02	-3.43	1.25
			Max. Mx	8	-44.83	-2804.27	-17.62
			Max. My	2	-44.80	16.81	2838.79
			Max. Vy	8	34.55	-2804.27	-17.62
			Max. Vx	2	-35.22	16.81	2838.79
			Max. Torque	14			3.91
L34	32.5 - 27.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.85	-3.54	1.34
			Max. Mx	8	-47.08	-2978.02	-18.40
			Max. My	2	-47.06	17.56	3015.97
			Max. Vy	8	34.95	-2978.02	-18.40
			Max. Vx	2	-35.66	17.56	3015.97
			Max. Torque	14			3.91
L35	27.5 - 22.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.70	-3.65	1.42
			Max. Mx	8	-49.37	-3153.66	-19.17
			Max. My	2	-49.35	18.31	3195.20
			Max. Vy	8	35.32	-3153.66	-19.17
			Max. Vx	2	-36.05	18.31	3195.20

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	14			3.91
L36	22.5 - 17.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.56	-3.76	1.51
			Max. Mx	8	-51.69	-3331.05	-19.94
			Max. My	2	-51.67	19.05	3376.31
			Max. Vy	8	35.65	-3331.05	-19.94
			Max. Vx	2	-36.41	19.05	3376.31
			Max. Torque	14			3.91
L37	17.5 - 12.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-91.43	-3.87	1.59
			Max. Mx	8	-54.03	-3510.02	-20.70
			Max. My	2	-54.02	19.79	3559.11
			Max. Vy	8	35.95	-3510.02	-20.70
			Max. Vx	2	-36.73	19.79	3559.11
			Max. Torque	14			3.91
L38	12.5 - 8.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.01	-3.90	1.64
			Max. Mx	8	-56.12	-3669.35	-21.36
			Max. My	2	-56.12	20.44	3721.96
			Max. Vy	8	36.21	-3669.35	-21.36
			Max. Vx	2	-37.03	20.44	3721.96
			Max. Torque	14			3.91
L39	8.083 - 7.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.17	-3.90	1.64
			Max. Mx	8	-56.27	-3678.40	-21.40
			Max. My	2	-56.26	20.47	3731.22
			Max. Vy	8	36.21	-3678.40	-21.40
			Max. Vx	2	-37.03	20.47	3731.22
			Max. Torque	14			3.91
L40	7.833 - 6.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-95.07	-3.88	1.64
			Max. Mx	8	-56.99	-3729.74	-21.61
			Max. My	2	-56.98	20.68	3783.74
			Max. Vy	8	36.32	-3729.74	-21.61
			Max. Vx	2	-37.16	20.68	3783.74
			Max. Torque	14			3.91
L41	6.417 - 6.167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-95.22	-3.88	1.65
			Max. Mx	8	-57.13	-3738.82	-21.65
			Max. My	2	-57.13	20.72	3793.02
			Max. Vy	8	36.31	-3738.82	-21.65
			Max. Vx	2	-37.16	20.72	3793.02
			Max. Torque	14			3.91
L42	6.167 - 4.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.34	-3.87	1.65
			Max. Mx	8	-58.03	-3805.52	-21.93
			Max. My	2	-58.03	20.98	3861.30
			Max. Vy	8	36.45	-3805.52	-21.93
			Max. Vx	2	-37.32	20.98	3861.30
			Max. Torque	14			3.91
L43	4.333 - 4.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.51	-3.87	1.66
			Max. Mx	8	-58.19	-3814.63	-21.96
			Max. My	2	-58.19	21.02	3870.63
			Max. Vy	8	36.43	-3814.63	-21.96
			Max. Vx	2	-37.31	21.02	3870.63
			Max. Torque	14			3.91
L44	4.083 - 3.233	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.03	-3.88	1.66
			Max. Mx	8	-58.63	-3845.63	-22.09
			Max. My	2	-58.63	21.14	3902.37

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	36.50	-3845.63	-22.09
			Max. Vx	2	-37.38	21.14	3902.37
			Max. Torque	14			3.91
L45	3.233 - 2.883	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.24	-3.88	1.66
			Max. Mx	8	-58.81	-3858.40	-22.14
			Max. My	2	-58.81	21.19	3915.45
			Max. Vy	8	36.51	-3858.40	-22.14
			Max. Vx	2	-37.39	21.19	3915.45
			Max. Torque	14			3.91
L46	2.883 - 2.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.37	-3.88	1.66
			Max. Mx	8	-58.92	-3866.29	-22.17
			Max. My	2	-58.91	21.23	3923.53
			Max. Vy	8	36.52	-3866.29	-22.17
			Max. Vx	2	-37.40	21.23	3923.53
			Max. Torque	14			3.91
L47	2.667 - 2.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.71	-3.89	1.67
			Max. Mx	8	-59.20	-3887.63	-22.26
			Max. My	2	-59.20	21.31	3945.38
			Max. Vy	8	36.56	-3887.63	-22.26
			Max. Vx	2	-37.44	21.31	3945.38
			Max. Torque	14			3.91
L48	2.083 - 1.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.83	-3.89	1.67
			Max. Mx	8	-59.31	-3896.78	-22.30
			Max. My	2	-59.30	21.35	3954.75
			Max. Vy	8	36.56	-3896.78	-22.30
			Max. Vx	2	-37.45	21.35	3954.75
			Max. Torque	14			3.91
L49	1.833 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.71	-3.91	1.68
			Max. Mx	8	-60.03	-3963.89	-22.57
			Max. My	2	-60.03	21.61	4023.47
			Max. Vy	8	36.69	-3963.89	-22.57
			Max. Vx	2	-37.58	21.61	4023.47
			Max. Torque	14			3.91

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	98.71	0.02	8.53
	Max. H_x	20	60.07	36.64	0.16
	Max. H_z	3	45.05	0.16	37.53
	Max. M_x	2	4023.47	0.16	37.53
	Max. M_z	8	3963.89	-36.64	-0.16
	Max. Torsion	14	3.91	-0.16	-37.53
	Min. Vert	11	45.05	-31.81	-18.58
	Min. H_x	8	60.07	-36.64	-0.16
	Min. H_z	14	60.07	-0.16	-37.53
	Min. M_x	14	-4021.70	-0.16	-37.53
	Min. M_z	20	-3960.12	36.64	0.16
	Min. Torsion	2	-3.90	0.16	37.53

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	50.05	0.00	0.00	-0.71	-1.49	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	60.07	-0.16	-37.53	-4023.47	21.61	3.90
0.9 Dead+1.0 Wind 0 deg - No Ice	45.05	-0.16	-37.53	-3975.19	21.76	3.90
1.2 Dead+1.0 Wind 30 deg - No Ice	60.07	18.18	-31.86	-3448.08	-1962.54	3.13
0.9 Dead+1.0 Wind 30 deg - No Ice	45.05	18.18	-31.86	-3406.55	-1938.61	3.13
1.2 Dead+1.0 Wind 60 deg - No Ice	60.07	31.65	-18.31	-1977.62	-3421.39	1.52
0.9 Dead+1.0 Wind 60 deg - No Ice	45.05	31.65	-18.31	-1953.73	-3379.95	1.52
1.2 Dead+1.0 Wind 90 deg - No Ice	60.07	36.64	0.16	22.57	-3963.89	-0.50
0.9 Dead+1.0 Wind 90 deg - No Ice	45.05	36.64	0.16	22.47	-3915.92	-0.51
1.2 Dead+1.0 Wind 120 deg - No Ice	60.07	31.81	18.58	2016.39	-3444.70	-2.39
0.9 Dead+1.0 Wind 120 deg - No Ice	45.05	31.81	18.58	1992.39	-3402.94	-2.39
1.2 Dead+1.0 Wind 150 deg - No Ice	60.07	18.46	32.02	3469.62	-2003.08	-3.64
0.9 Dead+1.0 Wind 150 deg - No Ice	45.05	18.46	32.02	3428.22	-1978.58	-3.64
1.2 Dead+1.0 Wind 180 deg - No Ice	60.07	0.16	37.53	4021.70	-25.29	-3.91
0.9 Dead+1.0 Wind 180 deg - No Ice	45.05	0.16	37.53	3973.88	-24.48	-3.90
1.2 Dead+1.0 Wind 210 deg - No Ice	60.07	-18.18	31.86	3446.28	1958.84	-3.13
0.9 Dead+1.0 Wind 210 deg - No Ice	45.05	-18.18	31.86	3405.21	1935.87	-3.12
1.2 Dead+1.0 Wind 240 deg - No Ice	60.07	-31.65	18.31	1975.82	3417.65	-1.51
0.9 Dead+1.0 Wind 240 deg - No Ice	45.05	-31.65	18.31	1952.40	3377.18	-1.51
1.2 Dead+1.0 Wind 270 deg - No Ice	60.07	-36.64	-0.16	-24.33	3960.12	0.51
0.9 Dead+1.0 Wind 270 deg - No Ice	45.05	-36.64	-0.16	-23.78	3913.14	0.51
1.2 Dead+1.0 Wind 300 deg - No Ice	60.07	-31.81	-18.58	-2018.12	3440.96	2.39
0.9 Dead+1.0 Wind 300 deg - No Ice	45.05	-31.81	-18.58	-1993.67	3400.17	2.39
1.2 Dead+1.0 Wind 330 deg - No Ice	60.07	-18.46	-32.02	-3471.36	1999.38	3.63
0.9 Dead+1.0 Wind 330 deg - No Ice	45.05	-18.46	-32.02	-3429.51	1975.84	3.63
1.2 Dead+1.0 Ice+1.0 Temp	98.71	0.00	-0.00	-1.68	-3.91	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	98.71	-0.02	-8.53	-950.92	-0.73	0.72
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	98.71	4.24	-7.38	-822.05	-473.82	0.60
1.2 Dead+1.0 Wind 60 deg+1.0	98.71	7.36	-4.25	-473.38	-821.07	0.33

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Ice+1.0 Temp 1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	98.71	8.51	0.02	1.66	-949.42	-0.03
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	98.71	7.38	4.29	475.78	-824.50	-0.39
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	98.71	4.27	7.40	821.94	-479.76	-0.64
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	98.71	0.02	8.53	947.38	-7.59	-0.72
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	98.71	-4.24	7.38	818.51	465.50	-0.60
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	98.71	-7.36	4.25	469.84	812.74	-0.33
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	98.71	-8.51	-0.02	-5.20	941.10	0.03
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	98.71	-7.38	-4.29	-479.31	816.17	0.39
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	98.71	-4.27	-7.40	-825.47	471.44	0.64
Dead+Wind 0 deg - Service	50.05	-0.03	-7.53	-802.56	3.11	0.79
Dead+Wind 30 deg - Service	50.05	3.65	-6.39	-687.83	-392.37	0.64
Dead+Wind 60 deg - Service	50.05	6.35	-3.67	-394.73	-683.13	0.31
Dead+Wind 90 deg - Service	50.05	7.35	0.03	3.93	-791.27	-0.10
Dead+Wind 120 deg - Service	50.05	6.38	3.73	401.35	-687.80	-0.49
Dead+Wind 150 deg - Service	50.05	3.70	6.42	691.03	-400.46	-0.74
Dead+Wind 180 deg - Service	50.05	0.03	7.53	801.09	-6.23	-0.79
Dead+Wind 210 deg - Service	50.05	-3.65	6.39	686.36	389.25	-0.63
Dead+Wind 240 deg - Service	50.05	-6.35	3.67	393.26	680.01	-0.31
Dead+Wind 270 deg - Service	50.05	-7.35	-0.03	-5.41	788.14	0.10
Dead+Wind 300 deg - Service	50.05	-6.38	-3.73	-402.82	684.68	0.49
Dead+Wind 330 deg - Service	50.05	-3.70	-6.42	-692.50	397.34	0.74

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-50.05	0.00	0.00	50.05	0.00	0.000%
2	-0.16	-60.07	-37.53	0.16	60.07	37.53	0.000%
3	-0.16	-45.05	-37.53	0.16	45.05	37.53	0.000%
4	18.18	-60.07	-31.86	-18.18	60.07	31.86	0.000%
5	18.18	-45.05	-31.86	-18.18	45.05	31.86	0.000%
6	31.65	-60.07	-18.31	-31.65	60.07	18.31	0.000%
7	31.65	-45.05	-18.31	-31.65	45.05	18.31	0.000%
8	36.64	-60.07	0.16	-36.64	60.07	-0.16	0.000%
9	36.64	-45.05	0.16	-36.64	45.05	-0.16	0.000%
10	31.81	-60.07	18.58	-31.81	60.07	-18.58	0.000%
11	31.81	-45.05	18.58	-31.81	45.05	-18.58	0.000%
12	18.46	-60.07	32.02	-18.46	60.07	-32.02	0.000%
13	18.46	-45.05	32.02	-18.46	45.05	-32.02	0.000%
14	0.16	-60.07	37.53	-0.16	60.07	-37.53	0.000%
15	0.16	-45.05	37.53	-0.16	45.05	-37.53	0.000%
16	-18.18	-60.07	31.86	18.18	60.07	-31.86	0.000%
17	-18.18	-45.05	31.86	18.18	45.05	-31.86	0.000%
18	-31.65	-60.07	18.31	31.65	60.07	-18.31	0.000%
19	-31.65	-45.05	18.31	31.65	45.05	-18.31	0.000%
20	-36.64	-60.07	-0.16	36.64	60.07	0.16	0.000%
21	-36.64	-45.05	-0.16	36.64	45.05	0.16	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
22	-31.81	-60.07	-18.58	31.81	60.07	18.58	0.000%
23	-31.81	-45.05	-18.58	31.81	45.05	18.58	0.000%
24	-18.46	-60.07	-32.02	18.46	60.07	32.02	0.000%
25	-18.46	-45.05	-32.02	18.46	45.05	32.02	0.000%
26	0.00	-98.71	0.00	-0.00	98.71	0.00	0.000%
27	-0.02	-98.71	-8.53	0.02	98.71	8.53	0.000%
28	4.24	-98.71	-7.38	-4.24	98.71	7.38	0.000%
29	7.36	-98.71	-4.25	-7.36	98.71	4.25	0.000%
30	8.51	-98.71	0.02	-8.51	98.71	-0.02	0.000%
31	7.38	-98.71	4.29	-7.38	98.71	-4.29	0.000%
32	4.27	-98.71	7.40	-4.27	98.71	-7.40	0.000%
33	0.02	-98.71	8.53	-0.02	98.71	-8.53	0.000%
34	-4.24	-98.71	7.38	4.24	98.71	-7.38	0.000%
35	-7.36	-98.71	4.25	7.36	98.71	-4.25	0.000%
36	-8.51	-98.71	-0.02	8.51	98.71	0.02	0.000%
37	-7.38	-98.71	-4.29	7.38	98.71	4.29	0.000%
38	-4.27	-98.71	-7.40	4.27	98.71	7.40	0.000%
39	-0.03	-50.05	-7.53	0.03	50.05	7.53	0.000%
40	3.65	-50.05	-6.39	-3.65	50.05	6.39	0.000%
41	6.35	-50.05	-3.67	-6.35	50.05	3.67	0.000%
42	7.35	-50.05	0.03	-7.35	50.05	-0.03	0.000%
43	6.38	-50.05	3.73	-6.38	50.05	-3.73	0.000%
44	3.70	-50.05	6.42	-3.70	50.05	-6.42	0.000%
45	0.03	-50.05	7.53	-0.03	50.05	-7.53	0.000%
46	-3.65	-50.05	6.39	3.65	50.05	-6.39	0.000%
47	-6.35	-50.05	3.67	6.35	50.05	-3.67	0.000%
48	-7.35	-50.05	-0.03	7.35	50.05	0.03	0.000%
49	-6.38	-50.05	-3.73	6.38	50.05	3.73	0.000%
50	-3.70	-50.05	-6.42	3.70	50.05	6.42	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	6	0.00000001	0.00008689
3	Yes	5	0.00000001	0.00071020
4	Yes	7	0.00000001	0.00006461
5	Yes	6	0.00000001	0.00037483
6	Yes	7	0.00000001	0.00006023
7	Yes	6	0.00000001	0.00034871
8	Yes	5	0.00000001	0.00025832
9	Yes	5	0.00000001	0.00009252
10	Yes	7	0.00000001	0.00006085
11	Yes	6	0.00000001	0.00035174
12	Yes	7	0.00000001	0.00006641
13	Yes	6	0.00000001	0.00038491
14	Yes	6	0.00000001	0.00012405
15	Yes	6	0.00000001	0.00004198
16	Yes	7	0.00000001	0.00005880
17	Yes	6	0.00000001	0.00034017
18	Yes	7	0.00000001	0.00006276
19	Yes	6	0.00000001	0.00036414
20	Yes	5	0.00000001	0.00062398
21	Yes	5	0.00000001	0.00027910
22	Yes	7	0.00000001	0.00006498

23	Yes	6	0.00000001	0.00037665
24	Yes	7	0.00000001	0.00005985
25	Yes	6	0.00000001	0.00034563
26	Yes	4	0.00000001	0.00028719
27	Yes	6	0.00000001	0.00094651
28	Yes	7	0.00000001	0.00014258
29	Yes	7	0.00000001	0.00014133
30	Yes	6	0.00000001	0.00094506
31	Yes	7	0.00000001	0.00014242
32	Yes	7	0.00000001	0.00014376
33	Yes	6	0.00000001	0.00094330
34	Yes	7	0.00000001	0.00013903
35	Yes	7	0.00000001	0.00013959
36	Yes	6	0.00000001	0.00093197
37	Yes	7	0.00000001	0.00014184
38	Yes	7	0.00000001	0.00014117
39	Yes	5	0.00000001	0.00008782
40	Yes	5	0.00000001	0.00024682
41	Yes	5	0.00000001	0.00020318
42	Yes	4	0.00000001	0.00086693
43	Yes	5	0.00000001	0.00020645
44	Yes	5	0.00000001	0.00026076
45	Yes	5	0.00000001	0.00009246
46	Yes	5	0.00000001	0.00019347
47	Yes	5	0.00000001	0.00022468
48	Yes	4	0.00000001	0.00088673
49	Yes	5	0.00000001	0.00024330
50	Yes	5	0.00000001	0.00020128

Maximum Tower Deflections - Service Wind

Section No.	*Elevation* ft	*Horz. Deflection* in	*Gov. Load Comb.*	*Tilt* °	*Twist* °
L1	147 - 142	20.873	44	1.2707	0.0053
L2	142 - 137	19.544	44	1.2672	0.0051
L3	137 - 132	18.222	44	1.2574	0.0049
L4	132 - 127	16.913	44	1.2397	0.0048
L5	127 - 122	15.629	44	1.2123	0.0046
L6	122 - 117	14.378	39	1.1769	0.0045
L7	117 - 112	13.170	39	1.1347	0.0044
L8	112 - 105	12.009	39	1.0854	0.0040
L9	108.75 - 103.75	11.284	39	1.0486	0.0036
L10	103.75 - 98.75	10.203	39	1.0130	0.0033
L11	98.75 - 93.75	9.176	39	0.9513	0.0028
L12	93.75 - 89.667	8.216	39	0.8826	0.0024
L13	89.667 - 89.417	7.487	39	0.8221	0.0021
L14	89.417 - 88.083	7.444	39	0.8184	0.0020
L15	88.083 - 87.833	7.218	39	0.7984	0.0020
L16	87.833 - 85.833	7.177	39	0.7960	0.0019
L17	85.833 - 85.583	6.847	39	0.7765	0.0018
L18	85.583 - 84.5	6.807	39	0.7740	0.0018
L19	84.5 - 84.25	6.632	39	0.7633	0.0018
L20	84.25 - 79.25	6.593	39	0.7606	0.0018
L21	79.25 - 73.75	5.825	39	0.7042	0.0015
L22	78 - 72.75	5.643	39	0.6897	0.0015
L23	72.75 - 67.75	4.901	39	0.6557	0.0014
L24	67.75 - 63.08	4.242	39	0.6023	0.0012
L25	63.08 - 62.83	3.678	39	0.5504	0.0010
L26	62.83 - 57.83	3.650	39	0.5482	0.0010

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L27	57.83 - 52.83	3.099	39	0.5033	0.0009
L28	52.83 - 47.83	2.596	39	0.4571	0.0008
L29	47.83 - 42.75	2.142	39	0.4105	0.0007
L30	47.5 - 42.5	2.114	39	0.4074	0.0007
L31	42.5 - 37.5	1.699	39	0.3830	0.0006
L32	37.5 - 32.75	1.322	39	0.3365	0.0005
L33	32.75 - 32.5	1.010	39	0.2924	0.0004
L34	32.5 - 27.5	0.994	39	0.2902	0.0004
L35	27.5 - 22.5	0.714	39	0.2460	0.0004
L36	22.5 - 17.5	0.479	39	0.2014	0.0003
L37	17.5 - 12.5	0.292	39	0.1571	0.0002
L38	12.5 - 8.083	0.151	39	0.1124	0.0002
L39	8.083 - 7.833	0.065	39	0.0726	0.0001
L40	7.833 - 6.417	0.061	39	0.0705	0.0001
L41	6.417 - 6.167	0.042	39	0.0587	0.0001
L42	6.167 - 4.333	0.039	39	0.0566	0.0001
L43	4.333 - 4.083	0.020	39	0.0411	0.0001
L44	4.083 - 3.233	0.018	39	0.0391	0.0001
L45	3.233 - 2.883	0.012	39	0.0327	0.0000
L46	2.883 - 2.667	0.009	39	0.0298	0.0000
L47	2.667 - 2.083	0.008	39	0.0280	0.0000
L48	2.083 - 1.833	0.005	39	0.0232	0.0000
L49	1.833 - 0	0.004	39	0.0204	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	APXVSPP18-C-A20 w/ Mount Pipe	44	20.873	1.2707	0.0053	42478
136.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	44	17.959	1.2545	0.0049	19045
118.00	RRFDC-3315-PF-48	39	13.408	1.1435	0.0044	6558
115.00	(2) LPA-80080/4CF w/ Mount Pipe	39	12.699	1.1165	0.0043	5780
106.00	7770.00 w/ Mount Pipe	39	10.684	1.0290	0.0034	6488
76.00	OG-860/1920/GPS-A	39	5.355	0.6742	0.0014	7400

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147 - 142	104.651	12	6.3868	0.0268
L2	142 - 137	97.996	2	6.3691	0.0259
L3	137 - 132	91.380	2	6.3195	0.0250
L4	132 - 127	84.834	2	6.2305	0.0241
L5	127 - 122	78.406	2	6.0926	0.0234
L6	122 - 117	72.142	2	5.9140	0.0227
L7	117 - 112	66.081	2	5.7013	0.0221
L8	112 - 105	60.258	2	5.4538	0.0200
L9	108.75 - 103.75	56.620	2	5.2688	0.0182
L10	103.75 - 98.75	51.198	2	5.0898	0.0166

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L11	98.75 - 93.75	46.041	2	4.7795	0.0142
L12	93.75 - 89.667	41.225	2	4.4339	0.0120
L13	89.667 - 89.417	37.569	2	4.1300	0.0103
L14	89.417 - 88.083	37.353	2	4.1113	0.0102
L15	88.083 - 87.833	36.220	2	4.0110	0.0097
L16	87.833 - 85.833	36.011	2	3.9989	0.0097
L17	85.833 - 85.583	34.358	2	3.9005	0.0092
L18	85.583 - 84.5	34.155	2	3.8881	0.0091
L19	84.5 - 84.25	33.280	2	3.8343	0.0089
L20	84.25 - 79.25	33.080	2	3.8207	0.0088
L21	79.25 - 73.75	29.230	2	3.5358	0.0076
L22	78 - 72.75	28.314	2	3.4631	0.0074
L23	72.75 - 67.75	24.590	2	3.2924	0.0068
L24	67.75 - 63.08	21.284	2	3.0241	0.0059
L25	63.08 - 62.83	18.455	2	2.7631	0.0051
L26	62.83 - 57.83	18.311	2	2.7521	0.0051
L27	57.83 - 52.83	15.548	2	2.5262	0.0045
L28	52.83 - 47.83	13.024	2	2.2941	0.0039
L29	47.83 - 42.75	10.745	2	2.0603	0.0034
L30	47.5 - 42.5	10.603	2	2.0446	0.0033
L31	42.5 - 37.5	8.523	2	1.9219	0.0031
L32	37.5 - 32.75	6.633	2	1.6883	0.0026
L33	32.75 - 32.5	5.064	2	1.4669	0.0022
L34	32.5 - 27.5	4.987	2	1.4559	0.0022
L35	27.5 - 22.5	3.579	2	1.2343	0.0018
L36	22.5 - 17.5	2.404	2	1.0103	0.0014
L37	17.5 - 12.5	1.462	2	0.7879	0.0011
L38	12.5 - 8.083	0.755	2	0.5636	0.0008
L39	8.083 - 7.833	0.326	2	0.3640	0.0005
L40	7.833 - 6.417	0.307	2	0.3536	0.0005
L41	6.417 - 6.167	0.211	2	0.2943	0.0004
L42	6.167 - 4.333	0.196	2	0.2836	0.0004
L43	4.333 - 4.083	0.102	2	0.2061	0.0003
L44	4.083 - 3.233	0.091	2	0.1963	0.0003
L45	3.233 - 2.883	0.059	2	0.1641	0.0002
L46	2.883 - 2.667	0.048	2	0.1495	0.0002
L47	2.667 - 2.083	0.041	2	0.1405	0.0002
L48	2.083 - 1.833	0.025	2	0.1162	0.0001
L49	1.833 - 0	0.020	2	0.1021	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	APXVSPP18-C-A20 w/ Mount Pipe	12	104.651	6.3868	0.0268	8669
136.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	2	90.064	6.3052	0.0248	3885
118.00	RRFDC-3315-PF-48	2	67.276	5.7457	0.0223	1332
115.00	(2) LPA-80080/4CF w/ Mount Pipe	2	63.720	5.6100	0.0214	1174
106.00	7770.00 w/ Mount Pipe	2	53.610	5.1703	0.0173	1315
76.00	OG-860/1920/GPS-A	2	26.871	3.3851	0.0071	1484

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	147 - 142 (1)	TP22.8501x22x0.25	5.00	0.00	0.0	17.9332	-4.37	968.39	0.005
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	5.00	0.00	0.0	18.6078	-4.72	1004.82	0.005
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	5.00	0.00	0.0	19.2823	-9.13	1041.25	0.009
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	5.00	0.00	0.0	19.9569	-9.58	1077.67	0.009
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	5.00	0.00	0.0	20.6315	-10.05	1114.10	0.009
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	5.00	0.00	0.0	21.3060	-10.57	1150.53	0.009
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	5.00	0.00	0.0	21.9806	-13.83	1186.95	0.012
L8	112 - 105 (8)	TP29.141x27.9508x0.25	7.00	0.00	0.0	22.4191	-14.24	1210.63	0.012
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	5.00	0.00	0.0	28.3092	-20.31	1528.70	0.013
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	5.00	0.00	0.0	29.1526	-21.18	1574.24	0.013
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	5.00	0.00	0.0	29.9959	-22.10	1619.78	0.014
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	4.08	0.00	0.0	30.6845	-22.87	1656.96	0.014
L13	89.667 - 89.417 (13)	TP31.2909x31.2484x0.3188	0.25	0.00	0.0	31.3349	-22.94	1692.09	0.014
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	1.33	0.00	0.0	31.5644	-23.21	1704.48	0.014
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	0.25	0.00	0.0	50.5046	-23.29	2727.25	0.009
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	2.00	0.00	0.0	51.0578	-23.79	2757.12	0.009
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	0.25	0.00	0.0	51.1270	-23.86	2760.86	0.009
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	1.08	0.00	0.0	51.4265	-24.15	2777.03	0.009
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	0.25	0.00	0.0	47.7842	-24.22	2580.35	0.009
L20	84.25 - 79.25 (20)	TP33.0198x32.1695x0.4625	5.00	0.00	0.0	47.7932	-25.50	2580.83	0.010
L21	79.25 - 73.75 (21)	TP33.955x33.0198x0.4625	5.50	0.00	0.0	48.1053	-25.83	2597.68	0.010
L22	73.75 - 72.75 (22)	TP33.5x32.6073x0.5625	5.25	0.00	0.0	58.8058	-28.37	3175.51	0.009
L23	72.75 - 67.75 (23)	TP34.3502x33.5x0.5625	5.00	0.00	0.0	60.3236	-29.83	3257.48	0.009
L24	67.75 - 63.08 (24)	TP35.1442x34.3502x0.55	4.67	0.00	0.0	60.3911	-31.21	3261.12	0.010
L25	63.08 - 62.83 (25)	TP35.1867x35.1442x0.7125	0.25	0.00	0.0	77.9626	-31.32	4209.98	0.007
L26	62.83 - 57.83 (26)	TP36.0369x35.1867x0.7	5.00	0.00	0.0	78.5115	-33.16	4239.62	0.008
L27	57.83 - 52.83 (27)	TP36.8871x36.0369x0.6875	5.00	0.00	0.0	78.9920	-35.03	4265.57	0.008
L28	52.83 - 47.83 (28)	TP37.7372x36.8871x0.6875	5.00	0.00	0.0	80.8471	-36.93	4365.75	0.008
L29	47.83 - 42.75 (29)	TP38.601x37.7372x0.675	5.08	0.00	0.0	79.5242	-37.06	4294.31	0.009
L30	42.75 - 42.5 (30)	TP37.8935x37.0433x0.75	5.00	0.00	0.0	88.4201	-40.61	4774.69	0.009
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	5.00	0.00	0.0	88.9658	-42.67	4804.16	0.009

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L32	37.5 - 32.75 (32)	TP39.5514x38.7437x0.7375	4.75	0.00	0.0	90.8564	-44.68	4906.25	0.009
L33	32.75 - 32.5 (33)	TP39.5939x39.5514x0.7875	0.25	0.00	0.0	96.9975	-44.80	5237.86	0.009
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	5.00	0.00	0.0	97.5799	-47.06	5269.31	0.009
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	5.00	0.00	0.0	98.0938	-49.35	5297.07	0.009
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	5.00	0.00	0.0	100.1510	-51.67	5408.18	0.010
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	5.00	0.00	0.0	100.5630	-54.02	5430.41	0.010
L38	12.5 - 8.083 (38)	TP43.7456x42.9946x0.7375	4.42	0.00	0.0	100.6740	-56.12	5436.42	0.010
L39	8.083 - 7.833 (39)	TP43.7881x43.7456x0.8	0.25	0.00	0.0	109.1550	-56.26	5894.39	0.010
L40	7.833 - 6.417 (40)	TP44.0289x43.7881x0.7875	1.42	0.00	0.0	108.0830	-56.98	5836.48	0.010
L41	6.417 - 6.167 (41)	TP44.0714x44.0289x0.775	0.25	0.00	0.0	106.5030	-57.13	5751.14	0.010
L42	6.167 - 4.333 (42)	TP44.3832x44.0714x0.775	1.83	0.00	0.0	107.2700	-58.03	5792.57	0.010
L43	4.333 - 4.083 (43)	TP44.4257x44.3832x0.8375	0.25	0.00	0.0	115.8670	-58.19	6256.84	0.009
L44	4.083 - 3.233 (44)	TP44.5703x44.4257x0.875	0.85	0.00	0.0	121.3530	-58.63	6553.05	0.009
L45	3.233 - 2.883 (45)	TP44.6298x44.5703x0.7875	0.35	0.00	0.0	109.5850	-58.81	5917.58	0.010
L46	2.883 - 2.667 (46)	TP44.6665x44.6298x0.7875	0.22	0.00	0.0	109.6770	-58.91	5922.54	0.010
L47	2.667 - 2.083 (47)	TP44.7658x44.6665x0.7875	0.58	0.00	0.0	109.9250	-59.20	5935.95	0.010
L48	2.083 - 1.833 (48)	TP44.8083x44.7658x0.575	0.25	0.00	0.0	80.7280	-59.30	4359.31	0.014
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	1.83	0.00	0.0	81.2969	-60.03	4390.03	0.014

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	147 - 142 (1)	TP22.8501x22x0.25	28.00	569.75	0.049	0.00	569.75	0.000
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	58.23	613.66	0.095	0.00	613.66	0.000
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	116.31	659.20	0.176	0.00	659.20	0.000
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	178.76	703.27	0.254	0.00	703.27	0.000
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	243.56	745.67	0.327	0.00	745.67	0.000
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	311.06	788.87	0.394	0.00	788.87	0.000
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	405.40	832.83	0.487	0.00	832.83	0.000
L8	112 - 105 (8)	TP29.141x27.9508x0.25	473.47	861.78	0.549	0.00	861.78	0.000
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	594.75	1135.95	0.524	0.00	1135.95	0.000
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	736.02	1205.02	0.611	0.00	1205.02	0.000
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	879.48	1276.12	0.689	0.00	1276.12	0.000
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	998.20	1335.00	0.748	0.00	1335.00	0.000
L13	89.667 -	TP31.2909x31.2484x0.3188	1005.52	1365.35	0.736	0.00	1365.35	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 $\frac{M_{uy}}{\phi M_{ny}}$
	89.417 (13)							
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	1044.63	1385.53	0.754	0.00	1385.53	0.000
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	1051.98	2192.51	0.480	0.00	2192.51	0.000
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	1110.99	2241.19	0.496	0.00	2241.19	0.000
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	1118.39	2247.32	0.498	0.00	2247.32	0.000
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	1150.54	2273.94	0.506	0.00	2273.94	0.000
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	1157.97	2120.79	0.546	0.00	2120.79	0.000
L20	84.25 - 79.25 (20)	TP33.0198x32.1695x0.4625	1307.96	2180.61	0.600	0.00	2180.61	0.000
L21	79.25 - 73.75 (21)	TP33.955x33.0198x0.4625	1345.82	2209.38	0.609	0.00	2209.38	0.000
L22	73.75 - 72.75 (22)	TP33.5x32.6073x0.5625	1507.38	2706.73	0.557	0.00	2706.73	0.000
L23	72.75 - 67.75 (23)	TP34.3502x33.5x0.5625	1664.18	2849.47	0.584	0.00	2849.47	0.000
L24	67.75 - 63.08 (24)	TP35.1442x34.3502x0.55	1812.68	2922.92	0.620	0.00	2922.92	0.000
L25	63.08 - 62.83 (25)	TP35.1867x35.1442x0.7125	1820.68	3742.71	0.486	0.00	3742.71	0.000
L26	62.83 - 57.83 (26)	TP36.0369x35.1867x0.7	1982.06	3866.63	0.513	0.00	3866.63	0.000
L27	57.83 - 52.83 (27)	TP36.8871x36.0369x0.6875	2145.83	3988.46	0.538	0.00	3988.46	0.000
L28	52.83 - 47.83 (28)	TP37.7372x36.8871x0.6875	2311.93	4179.79	0.553	0.00	4179.79	0.000
L29	47.83 - 42.75 (29)	TP38.601x37.7372x0.675	2322.98	4120.51	0.564	0.00	4120.51	0.000
L30	42.75 - 42.5 (30)	TP37.8935x37.0433x0.75	2491.83	4575.54	0.545	0.00	4575.54	0.000
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	2663.82	4714.34	0.565	0.00	4714.34	0.000
L32	37.5 - 32.75 (32)	TP39.5514x38.7437x0.7375	2830.04	4918.78	0.575	0.00	4918.78	0.000
L33	32.75 - 32.5 (33)	TP39.5939x39.5514x0.7875	2838.84	5243.58	0.541	0.00	5243.58	0.000
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	3016.03	5396.34	0.559	0.00	5396.34	0.000
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	3195.25	5546.68	0.576	0.00	5546.68	0.000
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	3376.36	5783.99	0.584	0.00	5783.99	0.000
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	3559.17	5932.77	0.600	0.00	5932.77	0.000
L38	12.5 - 8.083 (38)	TP43.7456x42.9946x0.7375	3722.02	6050.28	0.615	0.00	6050.28	0.000
L39	8.083 - 7.833 (39)	TP43.7881x43.7456x0.8	3731.28	6547.51	0.570	0.00	6547.51	0.000
L40	7.833 - 6.417 (40)	TP44.0289x43.7881x0.7875	3783.79	6523.92	0.580	0.00	6523.92	0.000
L41	6.417 - 6.167 (41)	TP44.0714x44.0289x0.775	3793.08	6438.68	0.589	0.00	6438.68	0.000
L42	6.167 - 4.333 (42)	TP44.3832x44.0714x0.775	3861.36	6532.58	0.591	0.00	6532.58	0.000
L43	4.333 - 4.083 (43)	TP44.4257x44.3832x0.8375	3870.68	7042.96	0.550	0.00	7042.96	0.000
L44	4.083 - 3.233 (44)	TP44.5703x44.4257x0.875	3902.43	7388.62	0.528	0.00	7388.62	0.000
L45	3.233 - 2.883 (45)	TP44.6298x44.5703x0.7875	3915.51	6708.14	0.584	0.00	6708.14	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 $\frac{M_{uy}}{\phi M_{ny}}$
L46	2.883 - 2.667 (46)	TP44.6665x44.6298x0.7875	3923.58	6719.48	0.584	0.00	6719.48	0.000
L47	2.667 - 2.083 (47)	TP44.7658x44.6665x0.7875	3945.44	6750.20	0.584	0.00	6750.20	0.000
L48	2.083 - 1.833 (48)	TP44.8083x44.7658x0.575	3954.80	5010.20	0.789	0.00	5010.20	0.000
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	4023.53	5081.51	0.792	0.00	5081.51	0.000

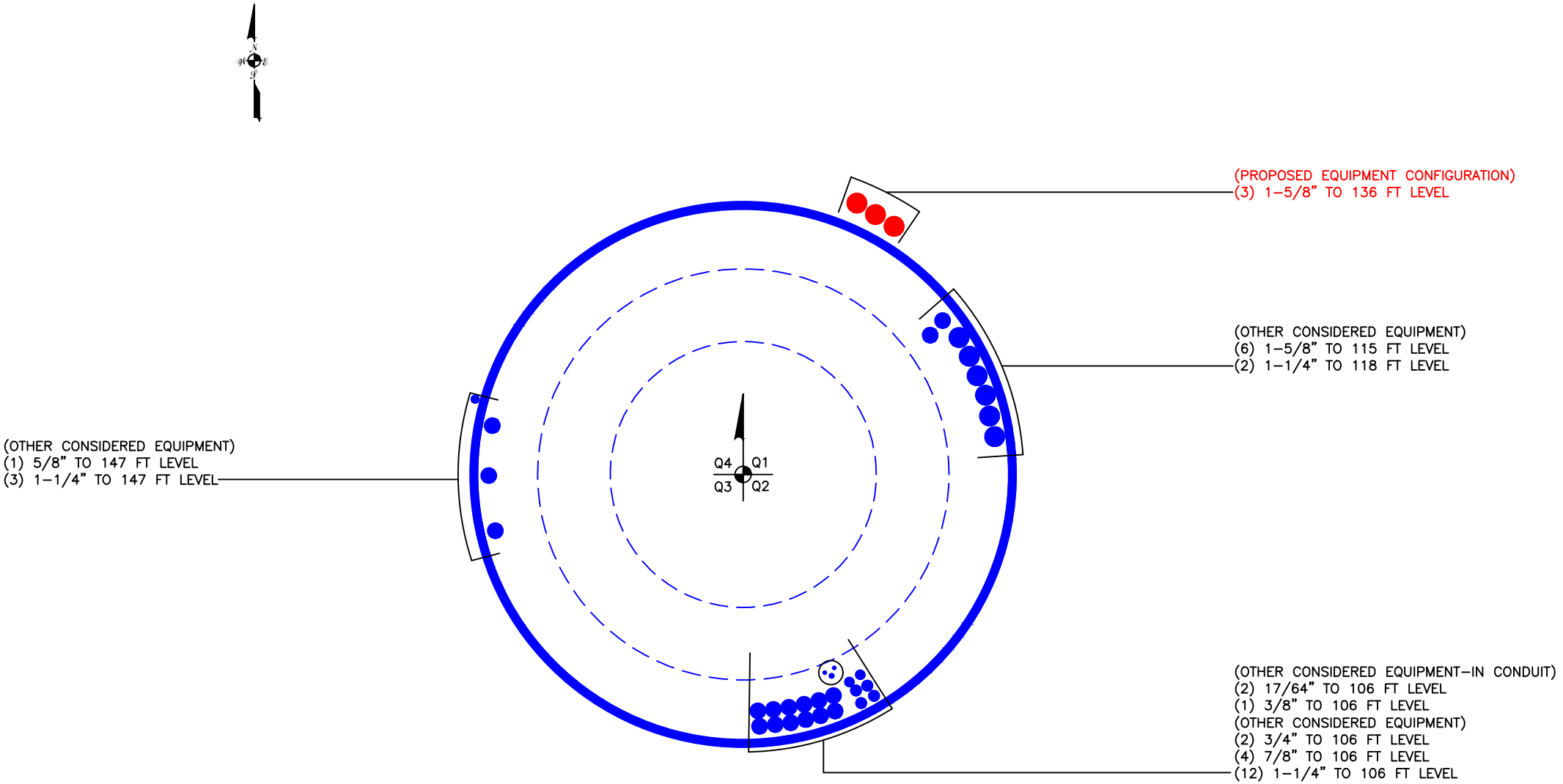
Pole Shear Design Data

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	147 - 142 (1)	TP22.8501x22x0.25	5.82	290.52	0.020	0.67	574.99	0.001
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	6.28	301.45	0.021	0.67	619.07	0.001
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	12.26	312.37	0.039	0.67	664.76	0.001
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	12.73	323.30	0.039	0.67	712.09	0.001
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	13.20	334.23	0.039	0.67	761.04	0.001
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	14.02	345.16	0.041	0.93	811.62	0.001
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	20.80	356.09	0.058	2.95	863.83	0.003
L8	112 - 105 (8)	TP29.141x27.9508x0.25	21.10	363.19	0.058	2.95	898.63	0.003
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	28.05	458.61	0.061	3.65	1146.29	0.003
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	28.49	472.27	0.060	3.65	1215.60	0.003
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	28.92	485.93	0.060	3.64	1286.95	0.003
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	29.26	497.09	0.059	3.64	1346.72	0.003
L13	89.667 - 89.417 (13)	TP31.2909x31.2484x0.3188	29.27	507.63	0.058	3.64	1376.88	0.003
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	29.40	511.34	0.058	3.64	1397.12	0.003
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	29.41	818.17	0.036	3.64	2224.63	0.002
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	29.61	827.14	0.036	3.64	2273.63	0.002
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	29.63	828.26	0.036	3.64	2279.78	0.002
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	29.75	833.11	0.036	3.64	2306.58	0.002
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	29.76	774.11	0.038	3.64	2148.64	0.002
L20	84.25 - 79.25 (20)	TP33.0198x32.1695x0.4625	30.25	774.25	0.039	3.64	2207.54	0.002
L21	79.25 - 73.75 (21)	TP33.955x33.0198x0.4625	30.36	779.30	0.039	3.64	2236.46	0.002
L22	73.75 - 72.75 (22)	TP33.5x32.6073x0.5625	31.14	952.65	0.033	3.65	2747.93	0.001
L23	72.75 - 67.75 (23)	TP34.3502x33.5x0.5625	31.60	977.24	0.032	3.65	2891.62	0.001
L24	67.75 - 63.08 (24)	TP35.1442x34.3502x0.55	32.03	978.34	0.033	3.65	2963.96	0.001
L25	63.08 - 62.83 (25)	TP35.1867x35.1442x0.7125	32.04	1262.99	0.025	3.65	3813.07	0.001
L26	62.83 - 57.83	TP36.0369x35.1867x0.7	32.53	1271.89	0.026	3.65	3936.02	0.001

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
	(26)							
L27	57.83 - 52.83	TP36.8871x36.0369x0.6875	33.01	1279.67	0.026	3.65	4056.78	0.001
	(27)							
L28	52.83 - 47.83	TP37.7372x36.8871x0.6875	33.47	1309.72	0.026	3.65	4249.57	0.001
	(28)							
L29	47.83 - 42.75	TP38.601x37.7372x0.675	33.48	1288.29	0.026	3.65	4187.77	0.001
	(29)							
L30	42.75 - 42.5	TP37.8935x37.0433x0.75	34.06	1432.41	0.024	3.65	4659.39	0.001
	(30)							
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	34.80	1441.25	0.024	3.91	4797.03	0.001
L32	37.5 - 32.75	TP39.5514x38.7437x0.7375	35.21	1471.87	0.024	3.91	5003.08	0.001
	(32)							
L33	32.75 - 32.5	TP39.5939x39.5514x0.7875	35.22	1571.36	0.022	3.91	5340.21	0.001
	(33)							
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	35.66	1580.79	0.023	3.91	5491.70	0.001
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	36.05	1589.12	0.023	3.91	5640.68	0.001
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	36.41	1622.45	0.022	3.90	5879.80	0.001
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	36.73	1629.12	0.023	3.90	6027.05	0.001
L38	12.5 - 8.083	TP43.7456x42.9946x0.7375	37.03	1630.93	0.023	3.90	6142.77	0.001
	(38)							
L39	8.083 - 7.833	TP43.7881x43.7456x0.8	37.03	1768.32	0.021	3.90	6657.16	0.001
	(39)							
L40	7.833 - 6.417	TP44.0289x43.7881x0.7875	37.16	1750.94	0.021	3.90	6630.58	0.001
	(40)							
L41	6.417 - 6.167	TP44.0714x44.0289x0.775	37.16	1725.34	0.022	3.90	6541.95	0.001
	(41)							
L42	6.167 - 4.333	TP44.3832x44.0714x0.775	37.33	1737.77	0.021	3.90	6636.52	0.001
	(42)							
L43	4.333 - 4.083	TP44.4257x44.3832x0.8375	37.31	1877.05	0.020	3.90	7165.16	0.001
	(43)							
L44	4.083 - 3.233	TP44.5703x44.4257x0.875	37.38	1965.91	0.019	3.90	7522.79	0.001
	(44)							
L45	3.233 - 2.883	TP44.6298x44.5703x0.7875	37.39	1775.28	0.021	3.90	6816.15	0.001
	(45)							
L46	2.883 - 2.667	TP44.6665x44.6298x0.7875	37.40	1776.76	0.021	3.90	6827.57	0.001
	(46)							
L47	2.667 - 2.083	TP44.7658x44.6665x0.7875	37.44	1780.78	0.021	3.90	6858.51	0.001
	(47)							
L48	2.083 - 1.833	TP44.8083x44.7658x0.575	37.45	1307.79	0.029	3.90	5066.04	0.001
	(48)							
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	37.58	1317.01	0.029	3.90	5137.69	0.001

APPENDIX B

BASE LEVEL DRAWING


(PROPOSED EQUIPMENT CONFIGURATION)
(3) 1–5/8" TO 136 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1–5/8" TO 115 FT LEVEL
(2) 1–1/4" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 147 FT LEVEL
(3) 1–1/4" TO 147 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(2) 17/64" TO 106 FT LEVEL
(1) 3/8" TO 106 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 3/4" TO 106 FT LEVEL
(4) 7/8" TO 106 FT LEVEL
(12) 1–1/4" TO 106 FT LEVEL

APPENDIX C

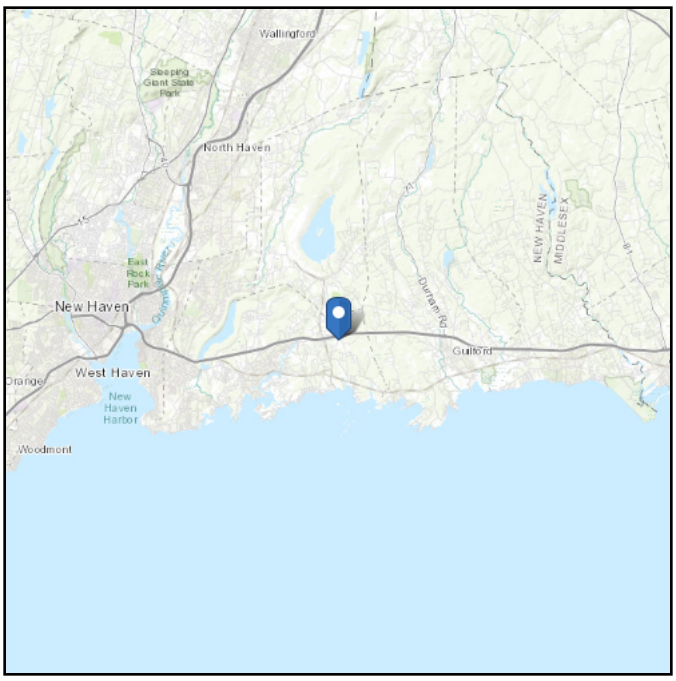
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 115.09 ft (NAVD 88)
Latitude: 41.293072
Longitude: -72.762889



Wind

Results:

Wind Speed:	127 Vmph 130mph as per Local Jurisdiction
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	95 Vmph
100-year MRI	104 Vmph

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

Date Accessed: Mon Mar 15 2021

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

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

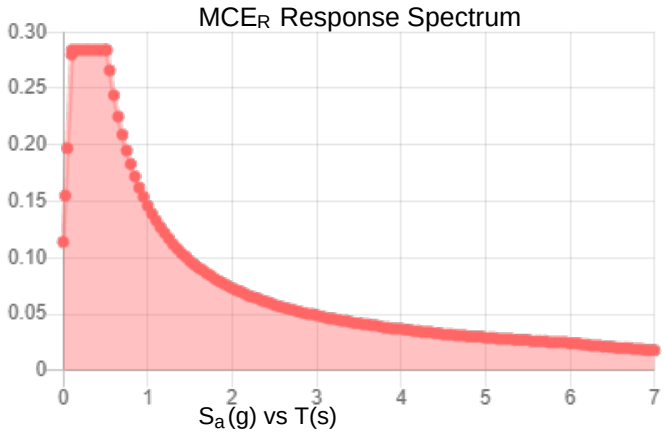
Seismic

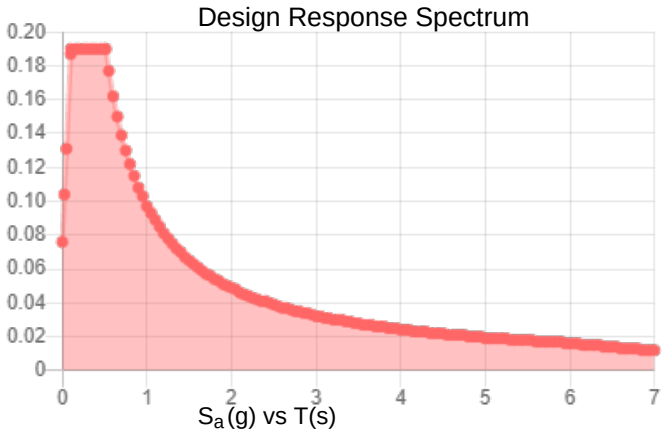
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.19
S_1 :	0.061	S_{D1} :	0.097
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.091
S_{MS} :	0.284	PGA_M :	0.146
S_{M1} :	0.146	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Mon Mar 15 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Mon Mar 15 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

CCIpole

per TIA-222- H

Site BU: 876316

Work Order: 1931643

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	147	42	3.75	18	22	29.141	0.25	Auto	A607-60
2	108.75	35	4.25	18	28.00	33.955	0.3125	Auto	A607-60
3	78	35.25	4.75	18	32.61	38.601	0.375	Auto	A607-60
4	47.5	47.5	0	18	37.04	45.12	0.4375	Auto	A607-60

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2.083	8.083	channel	MP3-05 (1.25in) Welde	2					x		x											
2	6.417	76.583	channel	MP3-05 (1.25in)	1						x												
3	2.083	88.083	channel	MP3-05 (1.25in) Welde	2												x						x
4	75.667	85.833	channel	MP3-05 (1.25in)	1							x											
5	84.5	89.667	channel	MP3-05 (1.25in)	1						x												
6	0	4.333	plate	TS 6.5"x1.25" (65 ksi)	2	c									2.5								
7	0	3.333	plate	6.5"x1.25" (65 ksi) - T	1														x				
8	3.25	32.75	plate	CCI-SFP-065125	2			x						x									
9	2.917	32.75	plate	WCFP-065125	1														x				
10	32.75	63.08	plate	CCI-AFP-060100	3			x						x					x				
11																							

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	5.33	2.09	5.65	0.79	Welded	n/a	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
2	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
3	5.33	2.09	5.65	0.79	Welded	n/a	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
4	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
5	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
6	1.25	5.75	7.1875	3.625	Welded	n/a	Welded	n/a	0.750	7.188	0.0000	A572-65
7	1.25	5.75	7.1875	4.125	Welded	n/a	Welded	n/a	0.750	7.188	0.0000	A572-65
8	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
9	6.5	1.25	8.125	0.625	Welded	n/a	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
10	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

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)
TS 6.5"x1.25" (65 ksi)	Top	-	-	-	-	70	None	-	-	-	-	26	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	11.5	0.625	45	0.625	-	-	-
TS 6.5"x1.25" (65 ksi) - TS2	Top	-	-	-	-	70	None	-	-	-	-	26	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	11.5	0.625	45	0.625	-	-	-
MP3-05 (1.25in) Welded	Top	10	N	3	2	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	None	-	-	-	-	18	0.375	-
WCFP-065125	Top	11	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	None	-	-	-	-	29	0.375	-

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	147 - 142	5		18	22.000	22.850	0.25	A607-60	1.000
2	142 - 137	5		18	22.850	23.700	0.25	A607-60	1.000
3	137 - 132	5		18	23.700	24.550	0.25	A607-60	1.000
4	132 - 127	5		18	24.550	25.400	0.25	A607-60	1.000
5	127 - 122	5		18	25.400	26.251	0.25	A607-60	1.000
6	122 - 117	5		18	26.251	27.101	0.25	A607-60	1.000
7	117 - 112	5		18	27.101	27.951	0.25	A607-60	1.000
8	112 - 108.75	7	3.75	18	27.951	29.141	0.25	A607-60	1.000
9	108.75 - 103.75	5		18	28.003	28.854	0.3125	A607-60	1.000
10	103.75 - 98.75	5		18	28.854	29.704	0.3125	A607-60	1.000
11	98.75 - 93.75	5		18	29.704	30.554	0.3125	A607-60	1.000
12	93.75 - 89.667	4.083		18	30.554	31.248	0.3125	A607-60	1.000
13	89.667 - 89.417	0.25		18	31.248	31.291	0.31875	A607-60	1.161
14	89.417 - 88.083	1.334		18	31.291	31.518	0.31875	A607-60	1.160
15	88.083 - 87.833	0.25		18	31.518	31.560	0.5125	A607-60	0.949
16	87.833 - 85.833	2		18	31.560	31.900	0.5125	A607-60	0.946
17	85.833 - 85.583	0.25		18	31.900	31.943	0.5125	A607-60	1.056
18	85.583 - 84.5	1.083		18	31.943	32.127	0.5125	A607-60	1.053
19	84.5 - 84.25	0.25		18	32.127	32.170	0.475	A607-60	1.016
20	84.25 - 79.25	5		18	32.170	33.020	0.4625	A607-60	1.033
21	79.25 - 78	5.5	4.25	18	33.020	33.955	0.4625	A607-60	1.031
22	78 - 72.75	5.25		18	32.607	33.500	0.5625	A607-60	0.959
23	72.75 - 67.75	5		18	33.500	34.350	0.5625	A607-60	0.951
24	67.75 - 63.08	4.67		18	34.350	35.144	0.55	A607-60	0.966
25	63.08 - 62.83	0.25		18	35.144	35.187	0.7125	A607-60	0.980
26	62.83 - 57.83	5		18	35.187	36.037	0.7	A607-60	0.986
27	57.83 - 52.83	5		18	36.037	36.887	0.6875	A607-60	0.993
28	52.83 - 47.83	5		18	36.887	37.737	0.6875	A607-60	0.982
29	47.83 - 47.5	5.08	4.75	18	37.737	38.601	0.675	A607-60	1.000
30	47.5 - 42.5	5		18	37.043	37.894	0.75	A607-60	0.984
31	42.5 - 37.5	5		18	37.894	38.744	0.7375	A607-60	0.991
32	37.5 - 32.75	4.75		18	38.744	39.551	0.7375	A607-60	0.982
33	32.75 - 32.5	0.25		18	39.551	39.594	0.7875	A607-60	0.987
34	32.5 - 27.5	5		18	39.594	40.444	0.775	A607-60	0.993
35	27.5 - 22.5	5		18	40.444	41.294	0.7625	A607-60	1.000
36	22.5 - 17.5	5		18	41.294	42.144	0.7625	A607-60	0.991
37	17.5 - 12.5	5		18	42.144	42.995	0.75	A607-60	0.999
38	12.5 - 8.083	4.417		18	42.995	43.746	0.7375	A607-60	1.008
39	8.083 - 7.833	0.25		18	43.746	43.788	0.8	A607-60	1.034
40	7.833 - 6.417	1.416		18	43.788	44.029	0.7875	A607-60	1.047
41	6.417 - 6.167	0.25		18	44.029	44.071	0.775	A607-60	1.010
42	6.167 - 4.333	1.834		18	44.071	44.383	0.775	A607-60	1.007
43	4.333 - 4.083	0.25		18	44.383	44.426	0.8375	A607-60	1.057
44	4.083 - 3.233	0.85		18	44.426	44.570	0.875	A607-60	0.936
45	3.233 - 2.883	0.35		18	44.570	44.630	0.7875	A607-60	0.963
46	2.883 - 2.667	0.216		18	44.630	44.667	0.7875	A607-60	0.963
47	2.667 - 2.083	0.584		18	44.667	44.766	0.7875	A607-60	0.962
48	2.083 - 1.833	0.25		18	44.766	44.808	0.575	A607-60	1.030
49	1.833 - 0	1.833		18	44.808	45.120	0.575	A607-60	1.028

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	147 - 142	4.37	28.00	5.82
2	142 - 137	4.72	58.23	6.28
3	137 - 132	9.13	116.30	12.26
4	132 - 127	9.58	178.76	12.73
5	127 - 122	10.05	243.56	13.20
6	122 - 117	10.57	311.06	14.02
7	117 - 112	13.83	405.40	20.80
8	112 - 108.75	14.24	473.47	21.10
9	108.75 - 103.75	20.31	594.75	28.05
10	103.75 - 98.75	21.18	736.02	28.49
11	98.75 - 93.75	22.10	879.48	28.92
12	93.75 - 89.667	22.87	998.20	29.26
13	89.667 - 89.417	22.94	1005.51	29.27
14	89.417 - 88.083	23.21	1044.63	29.40
15	88.083 - 87.833	23.29	1051.98	29.41
16	87.833 - 85.833	23.78	1110.99	29.61
17	85.833 - 85.583	23.86	1118.39	29.63
18	85.583 - 84.5	24.15	1150.54	29.75
19	84.5 - 84.25	24.22	1157.98	29.76
20	84.25 - 79.25	25.50	1307.96	30.25
21	79.25 - 78	25.83	1345.82	30.36
22	78 - 72.75	28.37	1507.38	31.14
23	72.75 - 67.75	29.83	1664.18	31.60
24	67.75 - 63.08	31.21	1812.68	32.03
25	63.08 - 62.83	31.32	1820.68	32.04
26	62.83 - 57.83	33.16	1982.06	32.53
27	57.83 - 52.83	35.03	2145.84	33.01
28	52.83 - 47.83	36.93	2311.94	33.47
29	47.83 - 47.5	37.06	2322.98	33.48
30	47.5 - 42.5	40.61	2491.83	34.06
31	42.5 - 37.5	42.67	2663.82	34.80
32	37.5 - 32.75	44.68	2830.04	35.21
33	32.75 - 32.5	44.80	2838.84	35.22
34	32.5 - 27.5	47.06	3016.02	35.66
35	27.5 - 22.5	49.35	3195.25	36.05
36	22.5 - 17.5	51.67	3376.36	36.41
37	17.5 - 12.5	54.02	3559.17	36.73
38	12.5 - 8.083	56.12	3722.02	37.03
39	8.083 - 7.833	56.26	3731.27	37.03
40	7.833 - 6.417	56.98	3783.79	37.16
41	6.417 - 6.167	57.13	3793.08	37.16
42	6.167 - 4.333	58.03	3861.36	37.33
43	4.333 - 4.083	58.19	3870.68	37.31
44	4.083 - 3.233	58.63	3902.42	37.38
45	3.233 - 2.883	58.81	3915.51	37.39
46	2.883 - 2.667	58.91	3923.59	37.40
47	2.667 - 2.083	59.20	3945.44	37.44
48	2.083 - 1.833	59.30	3954.80	37.45
49	1.833 - 0	60.03	4023.53	37.58

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
147 - 142	Pole	TP22.85x22x0.25	Pole	5.0%	Pass
142 - 137	Pole	TP23.7x22.85x0.25	Pole	9.4%	Pass
137 - 132	Pole	TP24.55x23.7x0.25	Pole	17.5%	Pass
132 - 127	Pole	TP25.4x24.55x0.25	Pole	24.9%	Pass
127 - 122	Pole	TP26.251x25.4x0.25	Pole	31.8%	Pass
122 - 117	Pole	TP27.101x26.251x0.25	Pole	38.3%	Pass
117 - 112	Pole	TP27.951x27.101x0.25	Pole	47.3%	Pass
112 - 108.75	Pole	TP29.141x27.951x0.25	Pole	53.3%	Pass
108.75 - 103.75	Pole	TP28.854x28.003x0.3125	Pole	50.9%	Pass
103.75 - 98.75	Pole	TP29.704x28.854x0.3125	Pole	59.2%	Pass
98.75 - 93.75	Pole	TP30.554x29.704x0.3125	Pole	66.7%	Pass
93.75 - 89.67	Pole	TP31.248x30.554x0.3125	Pole	72.3%	Pass
89.67 - 89.42	Pole + Reinf.	TP31.291x31.248x0.3188	Pole	73.4%	Pass
89.42 - 88.08	Pole + Reinf.	TP31.518x31.291x0.3188	Pole	75.3%	Pass
88.08 - 87.83	Pole + Reinf.	TP31.56x31.518x0.5125	Reinf. 3 Tension Rupture	63.6%	Pass
87.83 - 85.83	Pole + Reinf.	TP31.9x31.56x0.5125	Reinf. 3 Tension Rupture	66.0%	Pass
85.83 - 85.58	Pole + Reinf.	TP31.943x31.9x0.5125	Reinf. 3 Tension Rupture	66.9%	Pass
85.58 - 84.5	Pole + Reinf.	TP32.127x31.943x0.5125	Reinf. 3 Tension Rupture	68.1%	Pass
84.5 - 84.25	Pole + Reinf.	TP32.17x32.127x0.475	Reinf. 3 Tension Rupture	69.8%	Pass
84.25 - 79.25	Pole + Reinf.	TP33.02x32.17x0.4625	Reinf. 3 Tension Rupture	75.4%	Pass
79.25 - 78	Pole + Reinf.	TP33.955x33.02x0.4625	Reinf. 3 Tension Rupture	76.7%	Pass
78 - 72.75	Pole + Reinf.	TP33.5x32.607x0.5625	Reinf. 3 Tension Rupture	73.4%	Pass
72.75 - 67.75	Pole + Reinf.	TP34.35x33.5x0.5625	Reinf. 3 Tension Rupture	77.6%	Pass
67.75 - 63.08	Pole + Reinf.	TP35.144x34.35x0.55	Reinf. 3 Tension Rupture	81.3%	Pass
63.08 - 62.83	Pole + Reinf.	TP35.187x35.144x0.7125	Reinf. 10 Tension Rupture	66.7%	Pass
62.83 - 57.83	Pole + Reinf.	TP36.037x35.187x0.7	Reinf. 10 Tension Rupture	70.0%	Pass
57.83 - 52.83	Pole + Reinf.	TP36.887x36.037x0.6875	Reinf. 10 Tension Rupture	73.0%	Pass
52.83 - 47.83	Pole + Reinf.	TP37.737x36.887x0.6875	Reinf. 10 Tension Rupture	76.0%	Pass
47.83 - 47.5	Pole + Reinf.	TP38.601x37.737x0.675	Reinf. 10 Tension Rupture	76.2%	Pass
47.5 - 42.5	Pole + Reinf.	TP37.894x37.043x0.75	Reinf. 10 Tension Rupture	74.7%	Pass
42.5 - 37.5	Pole + Reinf.	TP38.744x37.894x0.7375	Reinf. 10 Tension Rupture	77.1%	Pass
37.5 - 32.75	Pole + Reinf.	TP39.551x38.744x0.7375	Reinf. 10 Tension Rupture	79.2%	Pass
32.75 - 32.5	Pole + Reinf.	TP39.594x39.551x0.7875	Reinf. 3 Tension Rupture	73.1%	Pass
32.5 - 27.5	Pole + Reinf.	TP40.444x39.594x0.775	Reinf. 3 Tension Rupture	75.0%	Pass
27.5 - 22.5	Pole + Reinf.	TP41.294x40.444x0.7625	Reinf. 8 Tension Rupture	76.9%	Pass
22.5 - 17.5	Pole + Reinf.	TP42.144x41.294x0.7625	Reinf. 8 Tension Rupture	78.7%	Pass
17.5 - 12.5	Pole + Reinf.	TP42.995x42.144x0.75	Reinf. 8 Tension Rupture	80.3%	Pass
12.5 - 8.08	Pole + Reinf.	TP43.746x42.995x0.7375	Reinf. 8 Tension Rupture	81.7%	Pass
8.08 - 7.83	Pole + Reinf.	TP43.788x43.746x0.8	Reinf. 3 Tension Rupture	79.7%	Pass
7.83 - 6.42	Pole + Reinf.	TP44.029x43.788x0.7875	Reinf. 3 Tension Rupture	80.1%	Pass
6.42 - 6.17	Pole + Reinf.	TP44.071x44.029x0.775	Reinf. 3 Tension Rupture	80.4%	Pass
6.17 - 4.33	Pole + Reinf.	TP44.383x44.071x0.775	Reinf. 3 Tension Rupture	80.9%	Pass
4.33 - 4.08	Pole + Reinf.	TP44.426x44.383x0.8375	Reinf. 9 Tension Rupture	78.3%	Pass
4.08 - 3.23	Pole + Reinf.	TP44.57x44.426x0.875	Reinf. 1 Tension Rupture	72.7%	Pass
3.23 - 2.88	Pole + Reinf.	TP44.63x44.57x0.7875	Reinf. 1 Tension Rupture	75.3%	Pass
2.88 - 2.67	Pole + Reinf.	TP44.667x44.63x0.7875	Reinf. 1 Tension Rupture	75.4%	Pass
2.67 - 2.08	Pole + Reinf.	TP44.766x44.667x0.7875	Reinf. 1 Tension Rupture	75.5%	Pass
2.08 - 1.83	Pole + Reinf.	TP44.808x44.766x0.575	Reinf. 7 Compression	94.6%	Pass
1.83 - 0	Pole + Reinf.	TP45.12x44.808x0.575	Reinf. 7 Compression	95.1%	Pass
				Summary	
			Pole	81.6%	Pass
			Reinforcement	95.1%	Pass
			Overall	95.1%	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
147 - 142	1157	n/a	1157	17.93	n/a	17.93	5.0%										
142 - 137	1292	n/a	1292	18.61	n/a	18.61	9.4%										
137 - 132	1438	n/a	1438	19.28	n/a	19.28	17.5%										
132 - 127	1594	n/a	1594	19.96	n/a	19.96	24.9%										
127 - 122	1761	n/a	1761	20.63	n/a	20.63	31.8%										
122 - 117	1940	n/a	1940	21.31	n/a	21.31	38.3%										
117 - 112	2130	n/a	2130	21.98	n/a	21.98	47.3%										
112 - 108.75	2260	n/a	2260	22.42	n/a	22.42	53.3%										
108.75 - 103.75	2912	n/a	2912	28.31	n/a	28.31	50.9%										
103.75 - 98.75	3181	n/a	3181	29.15	n/a	29.15	59.2%										
98.75 - 93.75	3465	n/a	3465	29.99	n/a	29.99	66.7%										
93.75 - 89.67	3709	n/a	3709	30.68	n/a	30.68	72.3%										
89.67 - 89.42	3738	79	3816	30.73	5.65	36.38	73.4%					62.8%					
89.42 - 88.08	3820	80	3900	30.95	5.65	36.60	75.3%					64.4%					
88.08 - 87.83	3822	2338	6160	30.99	16.95	47.94	45.8%			63.6%		63.6%					
87.83 - 85.83	3948	2386	6334	31.33	16.95	48.28	47.7%			66.0%		66.0%					
85.83 - 85.58	3967	2438	6405	31.37	22.60	53.97	48.4%			66.9%	48.6%	50.8%					
85.58 - 84.5	4037	2464	6501	31.55	22.60	54.15	49.4%			68.1%	49.6%	51.8%					
84.5 - 84.25	4062	1973	6035	31.60	16.95	48.55	55.2%			69.8%	66.8%						
84.25 - 79.25	4396	2074	6469	32.44	16.95	49.39	60.0%			75.4%	72.2%						
79.25 - 78	4482	2099	6581	32.65	16.95	49.60	61.2%			76.7%	73.5%						
78 - 72.75	5464	2618	8082	39.43	16.95	56.38	52.8%		73.4%	73.4%							
72.75 - 67.75	5895	2746	8641	40.44	16.95	57.39	55.9%		77.6%	77.6%							
67.75 - 63.08	6318	2868	9187	41.38	16.95	58.33	58.6%		81.3%	81.3%							
63.08 - 62.83	6350	5315	11665	41.43	34.95	76.38	48.1%		62.7%	65.7%							66.7%
62.83 - 57.83	6826	5564	12390	42.45	34.95	77.40	50.5%		65.7%	68.8%							70.0%
57.83 - 52.83	7326	5818	13145	43.46	34.95	78.41	52.7%		68.6%	71.8%							73.0%
52.83 - 47.83	7850	6079	13928	44.47	34.95	79.42	54.9%		71.3%	74.6%							76.0%
47.83 - 47.5	7885	6096	13981	44.54	34.95	79.49	55.1%		71.5%	74.8%							76.2%
47.5 - 42.5	9225	6129	15354	52.01	34.95	86.96	53.7%		70.2%	73.1%							74.7%
42.5 - 37.5	9868	6396	16263	53.19	34.95	88.14	55.4%		72.3%	75.3%							77.1%
37.5 - 32.75	10505	6655	17159	54.31	34.95	89.26	56.9%		74.3%	77.4%							79.2%
32.75 - 32.5	10545	7805	18350	54.37	41.33	95.70	53.8%		69.4%	73.1%					73.0%	70.7%	
32.5 - 27.5	11246	8130	19376	55.55	41.33	96.88	55.2%		71.3%	75.0%					75.0%	72.6%	
27.5 - 22.5	11978	8461	20440	56.73	41.33	98.06	56.6%		73.1%	76.8%					76.9%	74.5%	
22.5 - 17.5	12741	8799	21541	57.91	41.33	99.24	58.0%		74.8%	78.6%					78.7%	76.2%	
17.5 - 12.5	13536	9144	22680	59.09	41.33	100.42	59.2%		76.3%	80.2%					80.3%	77.9%	
12.5 - 8.08	14265	9455	23719	60.14	41.33	101.46	60.3%		77.7%	81.5%					81.7%	79.2%	
8.08 - 7.83	14441	11059	25500	60.20	52.63	112.82	58.1%	62.6%	59.4%	79.7%					73.4%	73.7%	
7.83 - 6.42	14682	11177	25859	60.53	52.63	113.15	58.5%	63.0%	59.8%	80.1%					73.8%	74.1%	
6.42 - 6.17	14649	10631	25280	60.59	46.98	107.56	59.6%	70.9%		80.4%					77.0%	77.1%	
6.17 - 4.33	14964	10777	25742	61.02	46.98	108.00	60.1%	71.4%		80.9%					77.5%	77.7%	
4.33 - 4.08	15036	13011	28047	61.08	61.35	122.43	55.9%	66.3%		64.2%			56.2%		61.3%	78.3%	
4.08 - 3.23	15163	14093	29256	61.28	52.29	113.57	53.3%	72.7%		69.2%			68.4%	61.0%		63.1%	
3.23 - 2.88	15136	11723	26859	61.36	44.16	105.53	56.0%	75.3%		71.1%			68.2%	74.2%			
2.88 - 2.67	15174	11740	26914	61.42	44.16	105.58	56.1%	75.4%		71.2%			68.2%	74.2%			
2.67 - 2.08	15276	11787	27063	61.55	44.16	105.72	56.3%	75.5%		71.3%			68.4%	74.4%			
2.08 - 1.83	15487	4731	20218	61.61	21.56	83.17	81.1%						83.7%	94.6%			
1.83 - 0	15814	4787	20601	62.05	21.56	83.61	81.6%						84.1%	95.1%			

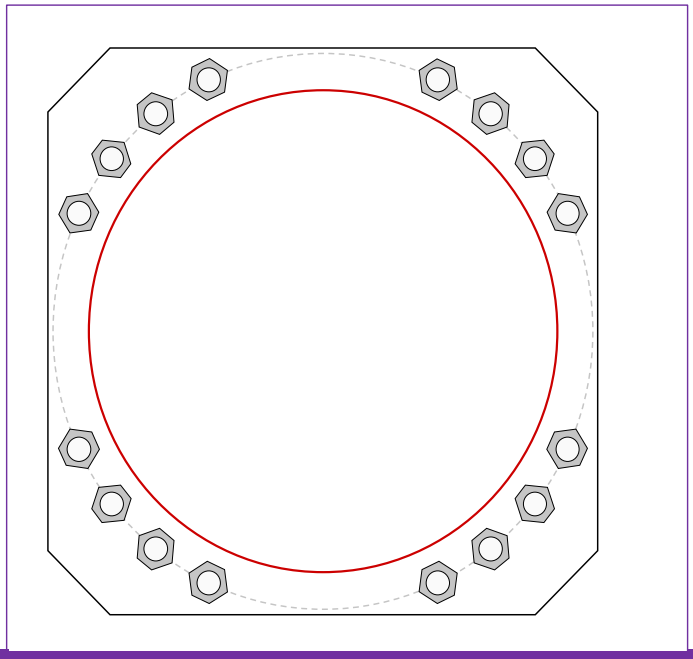
Note: Section capacity checked assuming all reinforcements are effective and using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

Site Info	
BU #	876316
Site Name	Secondino Property
Order #	544403 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	1.75

Applied Loads	
Moment (kip-ft)	4024.00
Axial Force (kips)	60.00
Shear Force (kips)	38.00



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 52" BC

Anchor Spacing: 6 in

Base Plate Data

53" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

45.12" x 0.4375" 18-sided pole (A572-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

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

Pu_c = 235.73	ϕPn_c = 268.39	**Stress Rating**
Vu = 2.38	ϕVn = 120.77	**87.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	35.29	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**78.4%**	**Pass**

Drilled Pier Foundation

BU # :	876316
Site Name:	Secondino Property
Order Number:	544403 Rev. 0

Report File:

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	4024	
Axial Force (kips)	60	
Shear Force (kips)	38	

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

Pier Design Data		
Depth	22.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 22.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	32	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	5.85	-
Soil Safety Factor	2.28	-
Max Moment (kip-ft)	4215.48	-
Rating*	*55.6%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	202.37	-
End Bearing (kips)	1752.88	-
Weight of Concrete (kips)	111.77	-
Total Capacity (kips)	1955.25	-
Axial (kips)	171.77	-
Rating*	*8.4%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.66	-
Critical Moment (kip-ft)	4214.94	-
Critical Moment Capacity	7541.77	-
Rating*	*53.2%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	18.89	-
Critical Shear (kip)	332.25	-
Critical Shear Capacity	767.32	-
Rating*	*41.2%*	-

Shear-Friciton Methodology is Applied

Soil Interaction Rating*	**55.6%**
Structural Foundation Rating*	**53.2%**

*Rating per TIA-222-H Section 15.5

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

Go to Soil Calculations

Soil Profile

Groundwater Depth	6	# of Layers	9

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	116	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	3.5	0.5	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.5	5	1.5	115	150	0	38	0.000	0.000	0.18	0.18			Cohesionless
4	5	6	1	116	150	0	41	0.000	0.000	0.28	0.28			Cohesionless
5	6	7	1	54	87.6	0	41	0.000	0.000	0.28	0.28			Cohesionless
6	7	10	3	55	87.6	0	45	0.000	0.000	0.38	0.38			Cohesionless
7	10	15	5	55	87.6	0	45	0.00	0.00	0.48	0.48			Cohesionless
8	15	20	5	55	87.6	3.25	0	1.78	1.78	1.20	1.20			Cohesive
9	20	22.5	2.5	55	87.6	0	45	0.00	0.00	0.76	0.76	58.1		Cohesionless

Exhibit E

Mount Analysis

Date: **March 5, 2021**

Darcy Tarr
Crown Castle
6325 Ardrey Kell Road, Suite 600
Charlotte, NC 28277
(704) 405-6589

Engineered Tower Solutions, PLLC
8774 Yates Drive, Suite 150
Westminster, CO 80031
(919) 782-2710
jason.hill@ets-pllc.com

Subject:	**Mount Replacement Analysis Report**	
Carrier Designation:	**Metro PCS Equipment Change Out**	
	Carrier Site Number:	CTNH509A
	Carrier Site Name:	--
Crown Castle Designation:	**Crown Castle BU Number:**	876316
	Crown Castle Site Name:	SECONDINO PROPERTY
	Crown Castle JDE Job Number:	634980
	Crown Castle Order Number:	544403 Rev. 0
Engineering Firm Designation:	**ETS, PLLC Report Designation:**	21090484.STR.5383
Site Data:	**21 Acorn Road, Branford, New Haven County, CT 06405** **Latitude 41º 17' 35.06" Longitude -72º 45' 46.40"**	
Structure Information:	**Tower Height & Type:**	**147.0 ft Monopole**
	Mount Elevation:	**136.0 ft**
	Mount Type:	**12.5 ft Platform Mount**

Dear Darcy Tarr,

ETS, PLLC is pleased to submit this **"Mount Replacememnt Analysis Report"** to determine the structural integrity of Metro PCS's antenna mounting system with the proposed appurtenance and equipment addition on the abovementioned supporting tower structure. Analysis of the existing supporting tower structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

Platform Mount **Sufficient***

***The mount has sufficient capacity once the loading changes, as described in Section 4.1 Recommendations of this report, are completed.**

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

Mount Repalcement Analysis prepared by: Jason A. Hill, EIT

Respectfully Submitted by:

Frederic Geoffrey Bost, PE
President/Owner
(919) 782-2710
Geoff.Bost@ets-pllc.com

TABLE OF CONTENTS

1) INTRODUCTION

This is a proposed (3)-sector 12.5 ft Platform Mount designed by Site Pro 1.

2) ANALYSIS CRITERIA

Building Code:	2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	130 mph
Exposure Category:	C
Topographic Factor at Base:	1.0
Topographic Factor at Mount:	1.0
Ice Thickness:	1.50 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.180
Seismic S_1:	0.061
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lbs
Man Live Load at Mount Pipes:	500 lbs

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details
136.0	137.0	3	Ericsson	AIR6449 B41_T-MOBILE	12.5 ft Site Pro 1 RMQP-469-HK Platform Mount
		3	RFS/CELWAVE	APX16DWV-16DWV-S-E-A20	
		3	RFS/CELWAVE	APXVAALL24_43-U-NA20_TMO	
		3	Ericsson	RADIO 4415 B66A	
		3	Ericsson	RADIO 4424 B25_TMOV1	
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Carrier Application	Metro PCS	02/23/2021	CCIsites
RFDS	Metro PCS	02/17/2021	CCIsites
4-Structural Analysis Report	Paul J. Ford and Company	9178805	CCIsites
Mount Manufacturer Drawings	Site Pro 1 RMQP-496-HK	07/14/2014	Site Pro 1

3.1) Analysis Method

RISA 3D (Version 17.0.4) a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases.

A tool internally developed, using Microsoft Excel, by ETS, PLLC was used to calculate wind loading on all appurtenances, dishes, and mount members for various load cases. Selected output from the analysis is included in Appendix B.

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 *Mount Analysis* (Revision D).

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed and maintained in good condition in accordance with its original design and manufacturer's specification.
2) The configuration of antennas, mounts and other appurtenances are as specified in Table 1 and the referenced drawings.
3) 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.
4) This Structural Analysis is not a condition assessment of the mount and is an evaluation of the theoretical structural capacity.
5) This analysis is based from the information supplied, and therefore, this report's results are as accurate as the supplied data.
6) Engineered Tower Solutions, PLLC makes no warranties, expressed and/or implied, in connection with this report, and disclaims any liability associated with material, fabrication, or erection of the mount. Engineered Tower Solutions, PLLC will not be held responsible from any consequential or incidental damages sustained by any person, firm, or organization as a result of the contents of this report. The maximum liability of Engineered Tower Solutions, PLLC pursuant to this report will be limited to the total fee received for compilation of this report.
7) It is the tower owner's responsibility to verify that the mount modeled and analyzed is the correct structure modeled.
8) The use of this report shall be limited to the purpose for which it was commissioned and may not be used for any other purposes without the written consent of Engineered Tower Solutions, PLLC.
9) Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate, Threaded Rod	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM A500 (Gr. B-46)
HSS (Round)	ASTM A500 (Gr. B-42)
Pipe	ASTM A53 (Gr. 35)
Connection Bolts	ASTM A325
U-Bolt	SAE J429 (Gr. 2)

This analysis may be affected if any assumptions are not valid or have been made in error. ETS, PLLC should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (Platform Mount)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Mount Pipe	MP9	136.0	47.7	Pass
	Face Mount - Horizontal	FM-0		12.3	Pass
	Support Rail - Horizontal	HR-240		49.7	Pass
	Side Arm - Horizontal	SA-2		21.3	Pass
	Side Arm - Grate	GRATE-H-90-2		42.4	Pass
	Kicker - Plate	KICK-PL-2		51.5	Pass
	Side Arm - Brace	BRACE-1		15.7	Pass
2	Mount to Tower Connection	-		36.7	Pass

Structure Rating (max from all components) =	51.5%

Notes:
1) See additional documentation in "Appendix C - Software Analysis Output" for calculations supporting the % capacity consumed.
2) See additional documentation in "Appendix D - Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

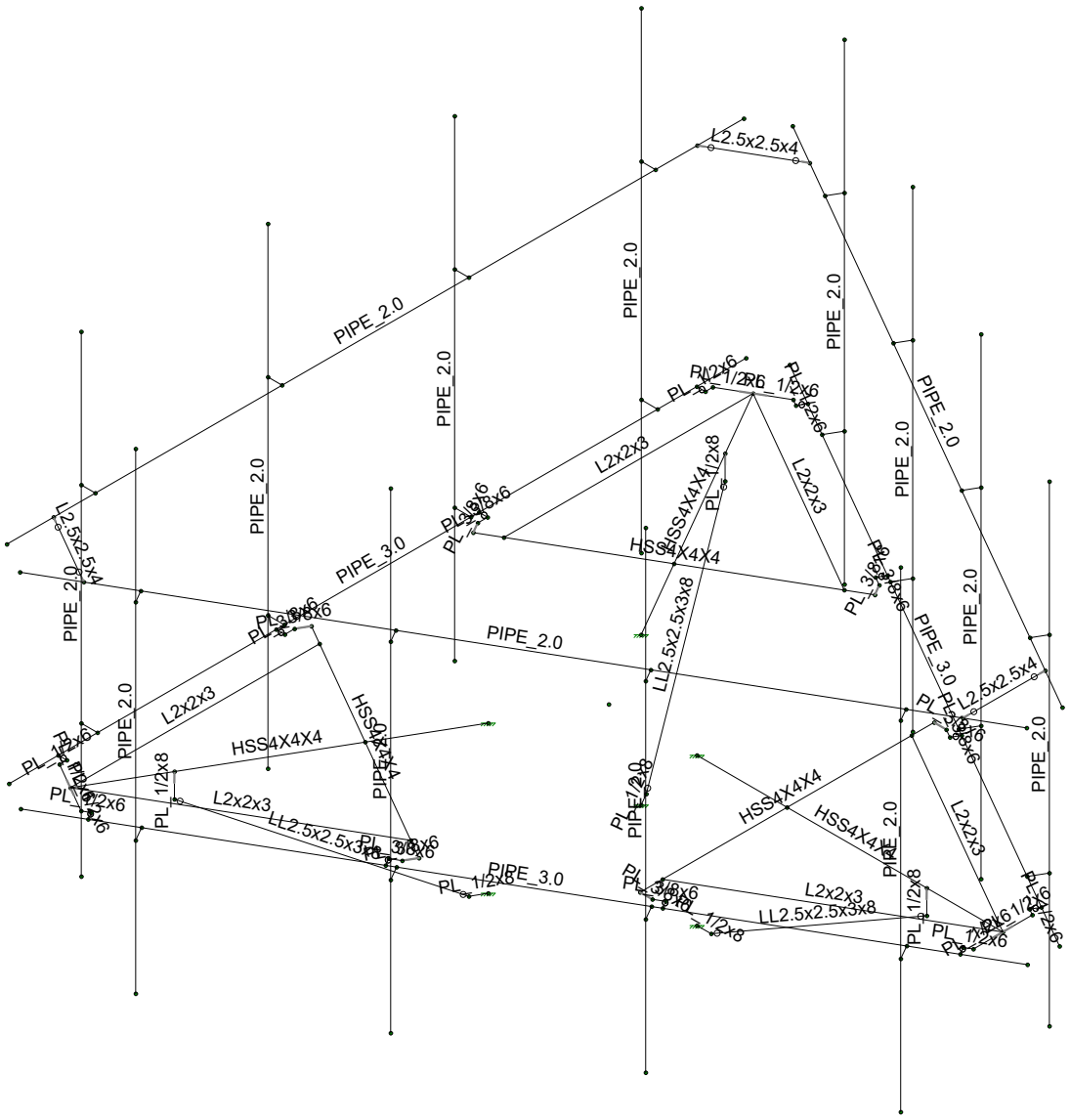
The proposed mount has sufficient capacity to support the proposed loading configuration. In order for the results of this analysis to be considered valid, the below mount shall be installed.

1. Mount replacement, Site Pro 1 - RMQP-496-HK

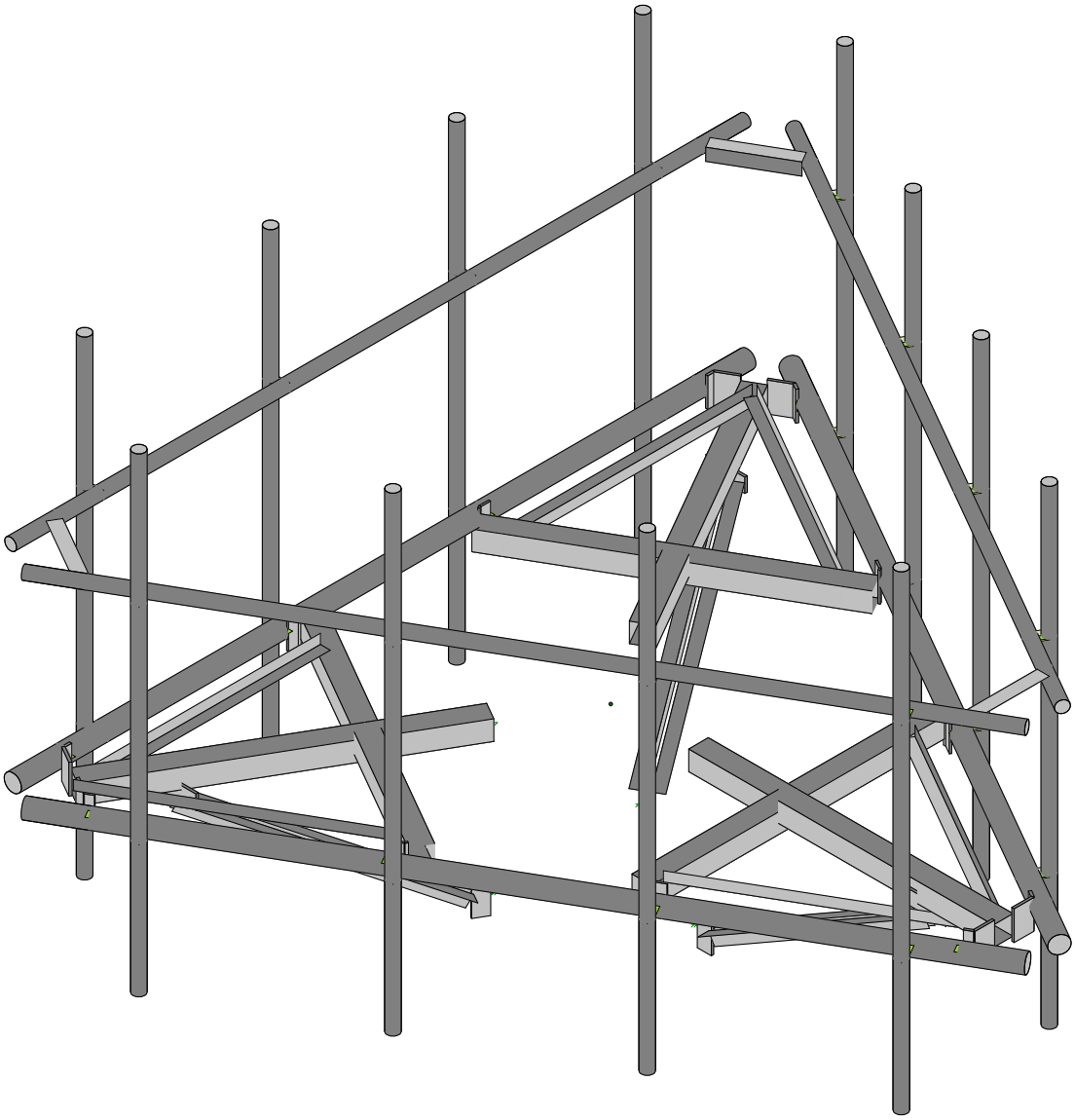
Beyond the mount replacement, no structural modifications are required at this time, provided that the above-listed changes are implemented

APPENDIX A

WIRE FRAME AND RENDERED MODELS



ETS, PLLC	Secondino Property	SK - 1
JAH		Mar 5, 2021 at 10:00 AM
ETS Job No. 21090484.S...		Secondino Property.r3d



ETS, PLLC	Secondino Property	SK - 2
JAH		Mar 5, 2021 at 10:00 AM
ETS Job No. 21090484.S...		Secondino Property.r3d

APPENDIX B

SOFTWARE INPUT CALCULATIONS

TIA-222-H Mount Load Generator

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	C
Basic Wind Speed without Ice, V	130 mph
Basic Wind Speed with Ice, V_i	50 mph
Design of Ice, δ_{ice}	56 pcf
Design Ice Thickness, t_i	1.50 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L_m	500 lb
Maintenance Load, L_v	250 lb
Height of Structure, h	147.0 ft
Mount Centerline, h_m	137.0 ft
Topographic Factor, K_{zt}	1.00
Rooftop Wind Speed-Up Factor, K_s	1.00
Mean Elevation of base of structure above sea level, z_s	115 ft
Ground Elevation Factor, K_e	1.00
Wind Direction Probability Factor, K_d	0.95
Gust Response Factor, G_h	1.00
Shielding Factor for Appurtenances, K_a	0.90

Seismic Design Input/Output	
0.18	Spectral response acceleration at short periods, S_s
0.061	Spectral response acceleration at a period of 1 second, S_1
D	Soil Site Class
1.600	Short-period site coefficient, F_a
2.400	Long-period site coefficient, F_v
0.192	Design spectral response acceleration at short periods, S_{DS}
0.098	Design spectral response acceleration at a period of 1 second, S_{D1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A_s
1.00	Importance Factor
0.0960	Seismic Response Coefficient, C_s
Eh = 0.096 W	Total Seismic Shear Force, $E_h = \rho Q_E$ ($Q_E = \rho C_s W A_s$ & $\rho = 1.0$)
Ev = 0.038 D	Vertical Seismic Load Effect, $E_v = 0.2 S_{DS} D A_s$

Output File Name: Secondino Property

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
P 2 SCH 40 x 96	MP1	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	57.41 lb	105.17 lb	1.729 in	69.38 lb	22.01 lb	33.76 lb
P 2 SCH 40 x 96	MP2	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	0.09 lb	105.17 lb	1.729 in	69.38 lb	1.18 lb	33.76 lb
P 2 SCH 40 x 96	MP3	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	105.17 lb	105.17 lb	1.729 in	69.38 lb	33.76 lb	33.76 lb
P 2 SCH 40 x 96	MP4	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	36.61 lb	105.17 lb	1.729 in	69.38 lb	14.45 lb	33.76 lb
P 2 SCH 40 x 96	MP5	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	57.41 lb	105.17 lb	1.729 in	69.38 lb	22.01 lb	33.76 lb
P 2 SCH 40 x 96	MP6	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	0.09 lb	105.17 lb	1.729 in	69.38 lb	1.18 lb	33.76 lb
P 2 SCH 40 x 96	MP7	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	105.17 lb	105.17 lb	1.729 in	69.38 lb	33.76 lb	33.76 lb
P 2 SCH 40 x 96	MP8	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	36.61 lb	105.17 lb	1.729 in	69.38 lb	14.45 lb	33.76 lb
P 2 SCH 40 x 96	MP9	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	57.41 lb	105.17 lb	1.729 in	69.38 lb	22.01 lb	33.76 lb
P 2 SCH 40 x 96	MP10	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	0.09 lb	105.17 lb	1.729 in	69.38 lb	1.18 lb	33.76 lb
P 2 SCH 40 x 96	MP11	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	105.17 lb	105.17 lb	1.729 in	69.38 lb	33.76 lb	33.76 lb
P 2 SCH 40 x 96	MP12	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	36.61 lb	105.17 lb	1.729 in	69.38 lb	14.45 lb	33.76 lb

Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41_T-MOBILE	1	0.00 ft	33.11 in	20.51 in	8.54 in	114.63 lb	313.24 lb	137.08 lb	1.729 in	139.61 lb	51.37 lb	26.00 lb

Appurtenance Information - MP2							Appurtenance Forces - MP2					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	149.90 lb	812.00 lb	294.47 lb	1.729 in	272.72 lb	134.72 lb	56.44 lb
ERICSSON / RADIO 4449 B71 B85A_T-MOBILE	1	0.00 ft	17.91 in	13.20 in	10.63 in	73.21 lb	109.05 lb	87.82 lb	1.729 in	58.90 lb	19.07 lb	17.40 lb
ERICSSON / RADIO 4424 B25_TMOV1	1	0.00 ft	17.10 in	14.40 in	11.30 in	97.00 lb	113.58 lb	89.13 lb	1.729 in	60.32 lb	19.63 lb	17.57 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APX16DWV-16DWV-S-E-A20	1	0.00 ft	55.90 in	13.30 in	3.15 in	40.70 lb	346.50 lb	83.03 lb	1.729 in	85.98 lb	62.65 lb	22.00 lb
ERICSSON / RADIO 4415 B66A	1	0.00 ft	16.50 in	13.50 in	6.30 in	49.60 lb	102.75 lb	48.16 lb	1.729 in	48.31 lb	17.95 lb	10.71 lb

Appurtenance Information - MP5							Appurtenance Forces - MP5					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41_T-MOBILE	1	0.00 ft	33.11 in	20.51 in	8.54 in	114.63 lb	313.24 lb	137.08 lb	1.729 in	139.61 lb	51.37 lb	26.00 lb

Appurtenance Information - MP6							Appurtenance Forces - MP6					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	149.90 lb	812.00 lb	294.47 lb	1.729 in	272.72 lb	134.72 lb	56.44 lb
ERICSSON / RADIO 4449 B71 B85A_T-MOBILE	1	0.00 ft	17.91 in	13.20 in	10.63 in	73.21 lb	109.05 lb	87.82 lb	1.729 in	58.90 lb	19.07 lb	17.40 lb
ERICSSON / RADIO 4424 B25_TMOV1	1	0.00 ft	17.10 in	14.40 in	11.30 in	97.00 lb	113.58 lb	89.13 lb	1.729 in	60.32 lb	19.63 lb	17.57 lb

Appurtenance Information - MP8							Appurtenance Forces - MP8					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APX16DWV-16DWV-S-E-A20	1	0.00 ft	55.90 in	13.30 in	3.15 in	40.70 lb	346.50 lb	83.03 lb	1.729 in	85.98 lb	62.65 lb	22.00 lb
ERICSSON / RADIO 4415 B66A	1	0.00 ft	16.50 in	13.50 in	6.30 in	49.60 lb	102.75 lb	48.16 lb	1.729 in	48.31 lb	17.95 lb	10.71 lb

Appurtenance Information - MP9							Appurtenance Forces - MP9					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41_T-MOBILE	1	0.00 ft	33.11 in	20.51 in	8.54 in	114.63 lb	313.24 lb	137.08 lb	1.729 in	139.61 lb	51.37 lb	26.00 lb

Appurtenance Information - MP10							Appurtenance Forces - MP10					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	149.90 lb	812.00 lb	294.47 lb	1.729 in	272.72 lb	134.72 lb	56.44 lb
ERICSSON / RADIO 4449 B71 B85A_T-MOBILE	1	0.00 ft	17.91 in	13.20 in	10.63 in	73.21 lb	109.05 lb	87.82 lb	1.729 in	58.90 lb	19.07 lb	17.40 lb
ERICSSON / RADIO 4424 B25_TMOV1	1	0.00 ft	17.10 in	14.40 in	11.30 in	97.00 lb	113.58 lb	89.13 lb	1.729 in	60.32 lb	19.63 lb	17.57 lb

Appurtenance Information - MP12							Appurtenance Forces - MP12					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APX16DWV-16DWV-S-E-A20	1	0.00 ft	55.90 in	13.30 in	3.15 in	40.70 lb	346.50 lb	83.03 lb	1.729 in	85.98 lb	62.65 lb	22.00 lb
ERICSSON / RADIO 4415 B66A	1	0.00 ft	16.50 in	13.50 in	6.30 in	49.60 lb	102.75 lb	48.16 lb	1.729 in	48.31 lb	17.95 lb	10.71 lb

Member Distributed Loads	Member Information			Member Forces		
Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force / Length, No Ice	Ice Weight (plf)	Ka * Force / Length, Ice
PIPE 3.0	3.500 in	3.500 in	150.0 in	15.5 lb/ft	11.0 lb/ft	4.7 lb/ft
PIPE 2.0	2.380 in	2.380 in	150.0 in	11.9 lb/ft	8.7 lb/ft	4.3 lb/ft
HSS 4x4SA	4.000 in	4.000 in	62.3 in	17.7 lb/ft	15.6 lb/ft	4.4 lb/ft
HSS 4x4 BRACE	4.000 in	4.000 in	59.8 in	17.5 lb/ft	15.6 lb/ft	4.4 lb/ft
LL2.5x2.5	5.500 in	2.500 in	52.5 in	33.9 lb/ft	15.3 lb/ft	6.7 lb/ft
L2x2	2.000 in	2.000 in	50.7 in	16.6 lb/ft	9.6 lb/ft	4.3 lb/ft
L2.5x2.5	2.500 in	2.500 in	13.0 in	13.7 lb/ft	11.1 lb/ft	3.5 lb/ft
PL 6x1/2	6.000 in	0.500 in	12.0 in	29.9 lb/ft	16.4 lb/ft	5.9 lb/ft
PL 6x3/8	6.000 in	0.375 in	6.0 in	29.9 lb/ft	16.4 lb/ft	5.9 lb/ft
PL 8x1/2	8.000 in	0.500 in	4.0 in	39.9 lb/ft	20.6 lb/ft	7.4 lb/ft

Member Lookup	Member Label	Position	Maintenance Load
HSS 4x4 BRACE	BRACE-1	210°	
HSS 4x4 BRACE	BRACE-2	330°	
HSS 4x4 BRACE	BRACE-3	90°	
PL 6x3/8	CONN-PL-60-1	60°	
PL 6x3/8	CONN-PL-60-2	60°	
PL 6x3/8	CONN-PL-90-1	90°	
PL 6x3/8	CONN-PL-90-2	90°	
PL 6x3/8	CONN-PL-180-1	0°	
PL 6x3/8	CONN-PL-180-2	0°	
PL 6x3/8	CONN-PL-210-1	210°	
PL 6x3/8	CONN-PL-210-2	210°	
PL 6x3/8	CONN-PL-300-1	300°	
PL 6x3/8	CONN-PL-300-2	300°	
PL 6x3/8	CONN-PL-330-1	330°	
PL 6x3/8	CONN-PL-330-2	330°	
L2.5x2.5	COR-1	210°	

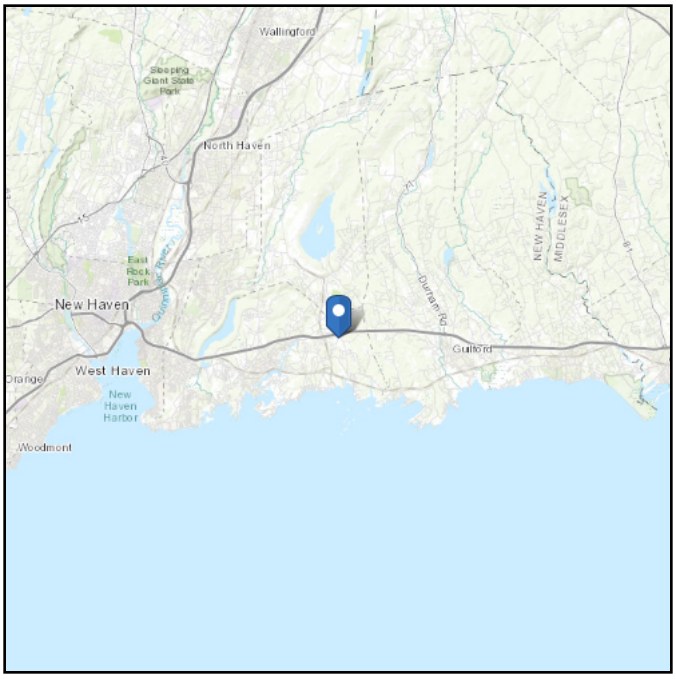
Member Lookup	Member Label	Position	Maintenance Load
L2.5x2.5	COR-2	330°	
L2.5x2.5	COR-3	90°	
PL 6x1/2	COR-PL-90-1	90°	
PL 6x1/2	COR-PL-90-2	90°	
PL 6x1/2	COR-PL-90-3	90°	
PL 6x1/2	COR-PL-90-4	90°	
PL 6x1/2	COR-PL-210-1	210°	
PL 6x1/2	COR-PL-210-2	210°	
PL 6x1/2	COR-PL-210-3	210°	
PL 6x1/2	COR-PL-210-4	210°	
PL 6x1/2	COR-PL-330-1	330°	
PL 6x1/2	COR-PL-330-2	330°	
PL 6x1/2	COR-PL-330-3	330°	
PL 6x1/2	COR-PL-330-4	330°	
PIPE 3.0	FM-0	90°	Start/Mid/End
PIPE 3.0	FM-120	210°	Start/Mid/End
PIPE 3.0	FM-240	330°	Start/Mid/End
L2x2	GRATE-H-90-1	90°	Mid
L2x2	GRATE-H-90-2	90°	Mid
L2x2	GRATE-H-210-1	210°	Mid
L2x2	GRATE-H-210-2	210°	Mid
L2x2	GRATE-H-330-1	330°	Mid
L2x2	GRATE-H-330-2	330°	Mid
PIPE 2.0	HR-0	90°	Start/Mid/End
PIPE 2.0	HR-120	210°	Start/Mid/End
PIPE 2.0	HR-240	330°	Start/Mid/End
LL2.5x2.5	KICK-1	V	
LL2.5x2.5	KICK-2	V	
LL2.5x2.5	KICK-3	V	
PL 8x1/2	KICK-PL-1	300°	
PL 8x1/2	KICK-PL-2	V	
PL 8x1/2	KICK-PL-3	60°	
PL 8x1/2	KICK-PL-4	V	
PL 8x1/2	KICK-PL-5	180°	
PL 8x1/2	KICK-PL-6	V	
HSS 4x4SA	SA-1	300°	
HSS 4x4SA	SA-2	60°	
HSS 4x4SA	SA-3	180°	

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 115.09 ft (NAVD 88)
Latitude: 41.293072
Longitude: -72.762889



Wind

Results:

Wind Speed:	127 Vmph
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	95 Vmph
100-year MRI	104 Vmph

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

Date Accessed: Fri Mar 05 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 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.

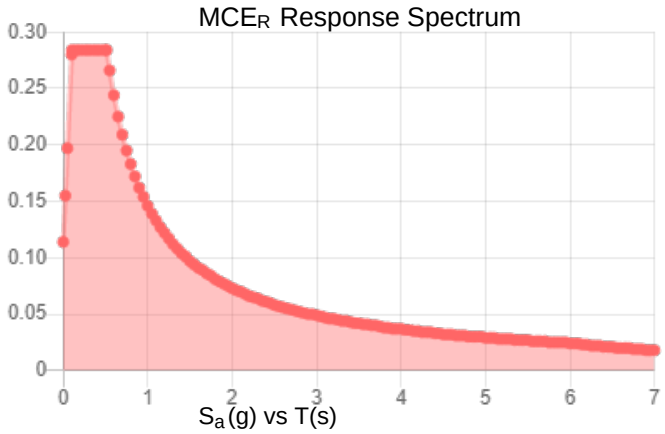
Seismic

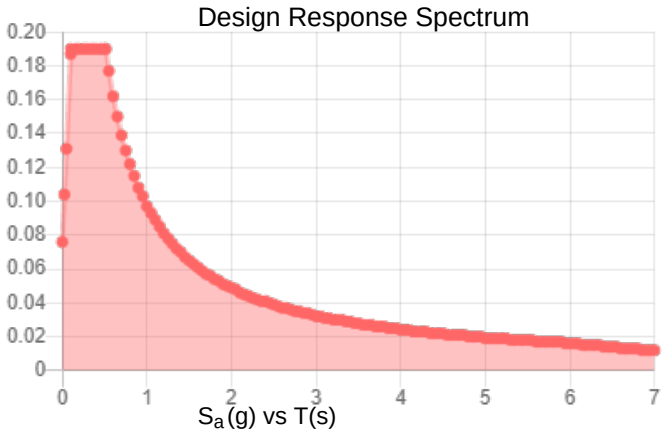
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.19
S_1 :	0.061	S_{D1} :	0.097
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.091
S_{MS} :	0.284	PGA_M :	0.146
S_{M1} :	0.146	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Mar 05 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Mar 05 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 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.

APPENDIX C

SOFTWARE ANALYSIS OUTPUT

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
1	BRACE-1	N137	N138			HSS4X4X4	Beam	SquareTube	Q235	Typical
2	BRACE-2	N115	N116			HSS4X4X4	Beam	SquareTube	Q235	Typical
3	BRACE-3	N11	N12			HSS4X4X4	Beam	SquareTube	Q235	Typical
4	CONN-PL-60-1	N116	N123			PL_3/8x6	Beam	BAR	Q235	DR1
5	CONN-PL-60-2	N115	N120			PL_3/8x6	Beam	BAR	Q235	DR1
6	CONN-PL-90-1	N142	N143			PL_3/8x6	Beam	BAR	Q235	Typical
7	CONN-PL-90-2	N123	N124			PL_3/8x6	Beam	BAR	Q235	Typical
8	CONN-PL-180-1	N12	N69			PL_3/8x6	Beam	BAR	Q235	DR1
9	CONN-PL-180-2	N11	N66			PL_3/8x6	Beam	BAR	Q235	DR1
10	CONN-PL-210-1	N120	N121			PL_3/8x6	Beam	BAR	Q235	Typical
11	CONN-PL-210-2	N69	N70			PL_3/8x6	Beam	BAR	Q235	Typical
12	CONN-PL-300-1	N138	N145			PL_3/8x6	Beam	BAR	Q235	DR1
13	CONN-PL-300-2	N137	N142			PL_3/8x6	Beam	BAR	Q235	DR1
14	CONN-PL-330-1	N66	N67			PL_3/8x6	Beam	BAR	Q235	Typical
15	CONN-PL-330-2	N145	N146			PL_3/8x6	Beam	BAR	Q235	Typical
16	COR-1	N157	N158		90	L2.5x2.5x4	Beam	Single Angle	Q235	Typical
17	COR-2	N155	N156		90	L2.5x2.5x4	Beam	Single Angle	Q235	Typical
18	COR-3	N88	N89		90	L2.5x2.5x4	Beam	Single Angle	Q235	Typical
19	COR-PL-90-1	N13	N6			PL_1/2x6	Beam	BAR	Q235	Typical
20	COR-PL-90-2	N13	N5			PL_1/2x6	Beam	BAR	Q235	Typical
21	COR-PL-90-3	N133	N148			PL_1/2x6	Beam	BAR	Q235	Typical
22	COR-PL-90-4	N112	N128			PL_1/2x6	Beam	BAR	Q235	Typical
23	COR-PL-210-1	N139	N134			PL_1/2x6	Beam	BAR	Q235	Typical
24	COR-PL-210-2	N139	N133			PL_1/2x6	Beam	BAR	Q235	Typical
25	COR-PL-210-3	N111	N126			PL_1/2x6	Beam	BAR	Q235	Typical
26	COR-PL-210-4	N6	N74			PL_1/2x6	Beam	BAR	Q235	Typical
27	COR-PL-330-1	N117	N112			PL_1/2x6	Beam	BAR	Q235	Typical
28	COR-PL-330-2	N117	N111			PL_1/2x6	Beam	BAR	Q235	Typical
29	COR-PL-330-3	N5	N72			PL_1/2x6	Beam	BAR	Q235	Typical
30	COR-PL-330-4	N134	N150			PL_1/2x6	Beam	BAR	Q235	Typical
31	FM-0	N1	N2			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
32	FM-120	N3	N4			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
33	FM-240	N7	N8			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
34	GRATE-H-90-1	N139	N140			L2x2x3	Beam	Single Angle	Q235	Typical
35	GRATE-H-90-2	N117	N113		270	L2x2x3	Beam	Single Angle	Q235	Typical
36	GRATE-H-210-1	N117	N118			L2x2x3	Beam	Single Angle	Q235	Typical
37	GRATE-H-210-2	N13	N9		270	L2x2x3	Beam	Single Angle	Q235	Typical
38	GRATE-H-330-1	N13	N14			L2x2x3	Beam	Single Angle	Q235	Typical
39	GRATE-H-330-2	N139	N135		270	L2x2x3	Beam	Single Angle	Q235	Typical
40	HR-0	N76	N77			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
41	HR-120	N98	N99			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
42	HR-240	N86	N87			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
43	KICK-1	N108	N21			LL2.5x2.5x3x8	Beam	Double Angl...	Q235	Typical
44	KICK-2	N152	N141			LL2.5x2.5x3x8	Beam	Double Angl...	Q235	Typical
45	KICK-3	N130	N119			LL2.5x2.5x3x8	Beam	Double Angl...	Q235	Typical
46	KICK-PL-1	N154	N152			PL_1/2x8	Beam	BAR	Q235	Typical
47	KICK-PL-2	N141	N153			PL_1/2x8	Beam	BAR	Q235	Typical
48	KICK-PL-3	N132	N130			PL_1/2x8	Beam	BAR	Q235	Typical
49	KICK-PL-4	N119	N131			PL_1/2x8	Beam	BAR	Q235	Typical
50	KICK-PL-5	N110	N108			PL_1/2x8	Beam	BAR	Q235	Typical
51	KICK-PL-6	N21	N109			PL_1/2x8	Beam	BAR	Q235	Typical
52	MP1	N19	N18			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
53	MP2	N25	N24			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
54	MP3	N29	N28			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
55	MP4	N33	N32			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
56	MP5	N53	N52			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
57	MP6	N57	N56			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
58	MP7	N61	N60			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
59	MP8	N65	N64			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
60	MP9	N37	N36			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
61	MP10	N41	N40			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
62	MP11	N45	N44			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
63	MP12	N49	N48			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
64	RL1	N16	N17			RIGID	None	None	RIGID	Typical
65	RL2	N22	N23			RIGID	None	None	RIGID	Typical
66	RL3	N26	N27			RIGID	None	None	RIGID	Typical
67	RL4	N30	N31			RIGID	None	None	RIGID	Typical
68	RL5	N34	N35			RIGID	None	None	RIGID	Typical
69	RL6	N38	N39			RIGID	None	None	RIGID	Typical
70	RL7	N42	N43			RIGID	None	None	RIGID	Typical
71	RL8	N46	N47			RIGID	None	None	RIGID	Typical
72	RL9	N50	N51			RIGID	None	None	RIGID	Typical
73	RL10	N54	N55			RIGID	None	None	RIGID	Typical
74	RL11	N58	N59			RIGID	None	None	RIGID	Typical
75	RL12	N62	N63			RIGID	None	None	RIGID	Typical
76	RL13	N67	N68			RIGID	None	None	RIGID	Typical
77	RL14	N70	N71			RIGID	None	None	RIGID	Typical
78	RL15	N72	N73			RIGID	None	None	RIGID	Typical
79	RL16	N74	N75			RIGID	None	None	RIGID	Typical
80	RL17	N78	N79			RIGID	None	None	RIGID	Typical
81	RL18	N80	N81			RIGID	None	None	RIGID	Typical
82	RL19	N82	N83			RIGID	None	None	RIGID	Typical
83	RL20	N84	N85			RIGID	None	None	RIGID	Typical
84	RL21	N90	N91			RIGID	None	None	RIGID	Typical
85	RL22	N92	N93			RIGID	None	None	RIGID	Typical
86	RL23	N94	N95			RIGID	None	None	RIGID	Typical
87	RL24	N96	N97			RIGID	None	None	RIGID	Typical
88	RL25	N100	N101			RIGID	None	None	RIGID	Typical
89	RL26	N102	N103			RIGID	None	None	RIGID	Typical
90	RL27	N104	N105			RIGID	None	None	RIGID	Typical
91	RL28	N106	N107			RIGID	None	None	RIGID	Typical
92	RL29	N121	N122			RIGID	None	None	RIGID	Typical
93	RL30	N124	N125			RIGID	None	None	RIGID	Typical
94	RL31	N126	N127			RIGID	None	None	RIGID	Typical
95	RL32	N128	N129			RIGID	None	None	RIGID	Typical
96	RL33	N143	N144			RIGID	None	None	RIGID	Typical
97	RL34	N146	N147			RIGID	None	None	RIGID	Typical
98	RL35	N148	N149			RIGID	None	None	RIGID	Typical
99	RL36	N150	N151			RIGID	None	None	RIGID	Typical
100	SA-1	N139	N136			HSS4X4X4	Beam	SquareTube	Q235	Typical
101	SA-2	N117	N114			HSS4X4X4	Beam	SquareTube	Q235	Typical
102	SA-3	N13	N10			HSS4X4X4	Beam	SquareTube	Q235	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	General				
2	RIGID		36	95.3	0
3	Total General		36	95.3	0
4					
5	Hot Rolled Steel				
6	A53 Gr.B	PIPE_3.0	3	450	.264

Material Takeoff (Continued)

	Material	Size	Pieces	Length[in]	Weight[K]
7	A53 Gr.B	PIPE_2.0	15	1602	.463
8	Q235	HSS4X4X4	6	366.2	.35
9	Q235	L2.5x2.5x4	3	43.1	.015
10	Q235	L2x2x3	6	304.3	.062
11	Q235	LL2.5x2.5x3x8	3	151.7	.078
12	Q235	PL_1/2x6	12	33	.028
13	Q235	PL_1/2x8	6	17.2	.02
14	Q235	PL_3/8x6	12	15	.01
15	Total HR Steel		66	2982.6	1.289

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP11	Y	0	%50
12	MP12	Y	0	%50
13	MP2	Y	-73.2	%50
14	MP2	Y	-97	%50
15	MP4	Y	-49.6	%50
16	MP6	Y	-73.2	%50
17	MP6	Y	-97	%50
18	MP8	Y	-49.6	%50
19	MP10	Y	-73.2	%50
20	MP10	Y	-97	%50
21	MP12	Y	-49.6	%50

Member Point Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	51.7	%50
2	MP2	X	.1	%50
3	MP3	X	94.7	%50
4	MP4	X	32.9	%50
5	MP5	X	83.9	%50
6	MP6	X	71	%50
7	MP7	X	94.7	%50
8	MP8	X	79.2	%50
9	MP9	X	83.9	%50
10	MP10	X	71	%50
11	MP11	X	94.7	%50
12	MP12	X	79.2	%50
13	MP2	X	98.1	%50
14	MP2	X	102.2	%50
15	MP4	X	92.5	%50
16	MP6	X	83.8	%50
17	MP6	X	85.7	%50
18	MP8	X	55.6	%50
19	MP10	X	83.8	%50

Member Point Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP10	X	85.7	%50
21	MP12	X	55.6	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	54.1	%50
2	MP2	X	20.5	%50
3	MP3	X	82	%50
4	MP4	X	41.9	%50
5	MP5	X	82	%50
6	MP6	X	82	%50
7	MP7	X	82	%50
8	MP8	X	82	%50
9	MP9	X	54.1	%50
10	MP10	X	20.5	%50
11	MP11	X	82	%50
12	MP12	X	41.9	%50
13	MP2	X	80.9	%50
14	MP2	X	83.8	%50
15	MP4	X	69.4	%50
16	MP6	X	68.4	%50
17	MP6	X	69.5	%50
18	MP8	X	37.5	%50
19	MP10	X	80.9	%50
20	MP10	X	83.8	%50
21	MP12	X	69.4	%50
22	MP1	Z	31.2	%50
23	MP2	Z	11.9	%50
24	MP3	Z	47.3	%50
25	MP4	Z	24.2	%50
26	MP5	Z	47.3	%50
27	MP6	Z	47.3	%50
28	MP7	Z	47.3	%50
29	MP8	Z	47.3	%50
30	MP9	Z	31.2	%50

Member Point Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP10	Z	11.9	%50
32	MP11	Z	47.3	%50
33	MP12	Z	24.2	%50
34	MP2	Z	46.7	%50
35	MP2	Z	48.4	%50
36	MP4	Z	40.1	%50
37	MP6	Z	39.5	%50
38	MP6	Z	40.1	%50
39	MP8	Z	21.7	%50
40	MP10	Z	46.7	%50
41	MP10	Z	48.4	%50
42	MP12	Z	40.1	%50

Member Point Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	42	%50
2	MP2	X	35.5	%50
3	MP3	X	47.3	%50
4	MP4	X	39.6	%50
5	MP5	X	42	%50
6	MP6	X	35.5	%50
7	MP7	X	47.3	%50
8	MP8	X	39.6	%50
9	MP9	X	25.8	%50
10	MP10	X	0	%50
11	MP11	X	47.3	%50
12	MP12	X	16.5	%50
13	MP2	X	41.9	%50
14	MP2	X	42.9	%50
15	MP4	X	27.8	%50
16	MP6	X	41.9	%50
17	MP6	X	42.9	%50
18	MP8	X	27.8	%50
19	MP10	X	49.1	%50
20	MP10	X	51.1	%50
21	MP12	X	46.2	%50
22	MP1	Z	72.7	%50
23	MP2	Z	61.5	%50
24	MP3	Z	82	%50
25	MP4	Z	68.6	%50
26	MP5	Z	72.7	%50
27	MP6	Z	61.5	%50
28	MP7	Z	82	%50
29	MP8	Z	68.6	%50
30	MP9	Z	44.7	%50
31	MP10	Z	.1	%50
32	MP11	Z	82	%50
33	MP12	Z	28.5	%50
34	MP2	Z	72.6	%50
35	MP2	Z	74.2	%50
36	MP4	Z	48.2	%50
37	MP6	Z	72.6	%50
38	MP6	Z	74.2	%50
39	MP8	Z	48.2	%50
40	MP10	Z	85	%50
41	MP10	Z	88.5	%50

Member Point Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
42	MP12	Z	80.1	%50

Member Point Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	94.7	%50
23	MP2	Z	94.7	%50
24	MP3	Z	94.7	%50
25	MP4	Z	94.7	%50
26	MP5	Z	62.4	%50
27	MP6	Z	23.7	%50
28	MP7	Z	94.7	%50
29	MP8	Z	48.4	%50
30	MP9	Z	62.4	%50
31	MP10	Z	23.7	%50
32	MP11	Z	94.7	%50
33	MP12	Z	48.4	%50
34	MP2	Z	79	%50
35	MP2	Z	80.2	%50
36	MP4	Z	43.3	%50
37	MP6	Z	93.4	%50
38	MP6	Z	96.7	%50
39	MP8	Z	80.2	%50
40	MP10	Z	93.4	%50
41	MP10	Z	96.7	%50
42	MP12	Z	80.2	%50

Member Point Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-42	%50
2	MP2	X	-35.5	%50
3	MP3	X	-47.3	%50
4	MP4	X	-39.6	%50
5	MP5	X	-25.8	%50
6	MP6	X	0	%50
7	MP7	X	-47.3	%50

Member Point Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
8	MP8	X	-16.5	%50
9	MP9	X	-42	%50
10	MP10	X	-35.5	%50
11	MP11	X	-47.3	%50
12	MP12	X	-39.6	%50
13	MP2	X	-41.9	%50
14	MP2	X	-42.9	%50
15	MP4	X	-27.8	%50
16	MP6	X	-49.1	%50
17	MP6	X	-51.1	%50
18	MP8	X	-46.2	%50
19	MP10	X	-41.9	%50
20	MP10	X	-42.9	%50
21	MP12	X	-27.8	%50
22	MP1	Z	72.7	%50
23	MP2	Z	61.5	%50
24	MP3	Z	82	%50
25	MP4	Z	68.6	%50
26	MP5	Z	44.7	%50
27	MP6	Z	.1	%50
28	MP7	Z	82	%50
29	MP8	Z	28.5	%50
30	MP9	Z	72.7	%50
31	MP10	Z	61.5	%50
32	MP11	Z	82	%50
33	MP12	Z	68.6	%50
34	MP2	Z	72.6	%50
35	MP2	Z	74.2	%50
36	MP4	Z	48.2	%50
37	MP6	Z	85	%50
38	MP6	Z	88.5	%50
39	MP8	Z	80.1	%50
40	MP10	Z	72.6	%50
41	MP10	Z	74.2	%50
42	MP12	Z	48.2	%50

Member Point Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-54.1	%50
2	MP2	X	-20.5	%50
3	MP3	X	-82	%50
4	MP4	X	-41.9	%50
5	MP5	X	-54.1	%50
6	MP6	X	-20.5	%50
7	MP7	X	-82	%50
8	MP8	X	-41.9	%50
9	MP9	X	-82	%50
10	MP10	X	-82	%50
11	MP11	X	-82	%50
12	MP12	X	-82	%50
13	MP2	X	-80.9	%50
14	MP2	X	-83.8	%50
15	MP4	X	-69.4	%50
16	MP6	X	-80.9	%50
17	MP6	X	-83.8	%50
18	MP8	X	-69.4	%50

Member Point Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP10	X	-68.4	%50
20	MP10	X	-69.5	%50
21	MP12	X	-37.5	%50
22	MP1	Z	31.2	%50
23	MP2	Z	11.9	%50
24	MP3	Z	47.3	%50
25	MP4	Z	24.2	%50
26	MP5	Z	31.2	%50
27	MP6	Z	11.9	%50
28	MP7	Z	47.3	%50
29	MP8	Z	24.2	%50
30	MP9	Z	47.3	%50
31	MP10	Z	47.3	%50
32	MP11	Z	47.3	%50
33	MP12	Z	47.3	%50
34	MP2	Z	46.7	%50
35	MP2	Z	48.4	%50
36	MP4	Z	40.1	%50
37	MP6	Z	46.7	%50
38	MP6	Z	48.4	%50
39	MP8	Z	40.1	%50
40	MP10	Z	39.5	%50
41	MP10	Z	40.1	%50
42	MP12	Z	21.7	%50

Member Point Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-51.7	%50
2	MP2	X	-.1	%50
3	MP3	X	-94.7	%50
4	MP4	X	-32.9	%50
5	MP5	X	-83.9	%50
6	MP6	X	-71	%50
7	MP7	X	-94.7	%50
8	MP8	X	-79.2	%50
9	MP9	X	-83.9	%50
10	MP10	X	-71	%50
11	MP11	X	-94.7	%50
12	MP12	X	-79.2	%50
13	MP2	X	-98.1	%50
14	MP2	X	-102.2	%50
15	MP4	X	-92.5	%50
16	MP6	X	-83.8	%50
17	MP6	X	-85.7	%50
18	MP8	X	-55.6	%50
19	MP10	X	-83.8	%50
20	MP10	X	-85.7	%50
21	MP12	X	-55.6	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50

Member Point Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-54.1	%50
2	MP2	X	-20.5	%50
3	MP3	X	-82	%50
4	MP4	X	-41.9	%50
5	MP5	X	-82	%50
6	MP6	X	-82	%50
7	MP7	X	-82	%50
8	MP8	X	-82	%50
9	MP9	X	-54.1	%50
10	MP10	X	-20.5	%50
11	MP11	X	-82	%50
12	MP12	X	-41.9	%50
13	MP2	X	-80.9	%50
14	MP2	X	-83.8	%50
15	MP4	X	-69.4	%50
16	MP6	X	-68.4	%50
17	MP6	X	-69.5	%50
18	MP8	X	-37.5	%50
19	MP10	X	-80.9	%50
20	MP10	X	-83.8	%50
21	MP12	X	-69.4	%50
22	MP1	Z	-31.2	%50
23	MP2	Z	-11.9	%50
24	MP3	Z	-47.3	%50
25	MP4	Z	-24.2	%50
26	MP5	Z	-47.3	%50
27	MP6	Z	-47.3	%50
28	MP7	Z	-47.3	%50
29	MP8	Z	-47.3	%50
30	MP9	Z	-31.2	%50
31	MP10	Z	-11.9	%50
32	MP11	Z	-47.3	%50
33	MP12	Z	-24.2	%50
34	MP2	Z	-46.7	%50
35	MP2	Z	-48.4	%50
36	MP4	Z	-40.1	%50
37	MP6	Z	-39.5	%50
38	MP6	Z	-40.1	%50
39	MP8	Z	-21.7	%50
40	MP10	Z	-46.7	%50

Member Point Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
41	MP10	Z	-48.4	%50
42	MP12	Z	-40.1	%50

Member Point Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-42	%50
2	MP2	X	-35.5	%50
3	MP3	X	-47.3	%50
4	MP4	X	-39.6	%50
5	MP5	X	-42	%50
6	MP6	X	-35.5	%50
7	MP7	X	-47.3	%50
8	MP8	X	-39.6	%50
9	MP9	X	-25.8	%50
10	MP10	X	0	%50
11	MP11	X	-47.3	%50
12	MP12	X	-16.5	%50
13	MP2	X	-41.9	%50
14	MP2	X	-42.9	%50
15	MP4	X	-27.8	%50
16	MP6	X	-41.9	%50
17	MP6	X	-42.9	%50
18	MP8	X	-27.8	%50
19	MP10	X	-49.1	%50
20	MP10	X	-51.1	%50
21	MP12	X	-46.2	%50
22	MP1	Z	-72.7	%50
23	MP2	Z	-61.5	%50
24	MP3	Z	-82	%50
25	MP4	Z	-68.6	%50
26	MP5	Z	-72.7	%50
27	MP6	Z	-61.5	%50
28	MP7	Z	-82	%50
29	MP8	Z	-68.6	%50
30	MP9	Z	-44.7	%50
31	MP10	Z	-.1	%50
32	MP11	Z	-82	%50
33	MP12	Z	-28.5	%50
34	MP2	Z	-72.6	%50
35	MP2	Z	-74.2	%50
36	MP4	Z	-48.2	%50
37	MP6	Z	-72.6	%50
38	MP6	Z	-74.2	%50
39	MP8	Z	-48.2	%50
40	MP10	Z	-85	%50
41	MP10	Z	-88.5	%50
42	MP12	Z	-80.1	%50

Member Point Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50

Member Point Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	-94.7	%50
23	MP2	Z	-94.7	%50
24	MP3	Z	-94.7	%50
25	MP4	Z	-94.7	%50
26	MP5	Z	-62.4	%50
27	MP6	Z	-23.7	%50
28	MP7	Z	-94.7	%50
29	MP8	Z	-48.4	%50
30	MP9	Z	-62.4	%50
31	MP10	Z	-23.7	%50
32	MP11	Z	-94.7	%50
33	MP12	Z	-48.4	%50
34	MP2	Z	-79	%50
35	MP2	Z	-80.2	%50
36	MP4	Z	-43.3	%50
37	MP6	Z	-93.4	%50
38	MP6	Z	-96.7	%50
39	MP8	Z	-80.2	%50
40	MP10	Z	-93.4	%50
41	MP10	Z	-96.7	%50
42	MP12	Z	-80.2	%50

Member Point Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	42	%50
2	MP2	X	35.5	%50
3	MP3	X	47.3	%50
4	MP4	X	39.6	%50
5	MP5	X	25.8	%50
6	MP6	X	0	%50
7	MP7	X	47.3	%50
8	MP8	X	16.5	%50
9	MP9	X	42	%50
10	MP10	X	35.5	%50
11	MP11	X	47.3	%50
12	MP12	X	39.6	%50
13	MP2	X	41.9	%50
14	MP2	X	42.9	%50
15	MP4	X	27.8	%50
16	MP6	X	49.1	%50
17	MP6	X	51.1	%50

Member Point Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP8	X	46.2	%50
19	MP10	X	41.9	%50
20	MP10	X	42.9	%50
21	MP12	X	27.8	%50
22	MP1	Z	-72.7	%50
23	MP2	Z	-61.5	%50
24	MP3	Z	-82	%50
25	MP4	Z	-68.6	%50
26	MP5	Z	-44.7	%50
27	MP6	Z	-.1	%50
28	MP7	Z	-82	%50
29	MP8	Z	-28.5	%50
30	MP9	Z	-72.7	%50
31	MP10	Z	-61.5	%50
32	MP11	Z	-82	%50
33	MP12	Z	-68.6	%50
34	MP2	Z	-72.6	%50
35	MP2	Z	-74.2	%50
36	MP4	Z	-48.2	%50
37	MP6	Z	-85	%50
38	MP6	Z	-88.5	%50
39	MP8	Z	-80.1	%50
40	MP10	Z	-72.6	%50
41	MP10	Z	-74.2	%50
42	MP12	Z	-48.2	%50

Member Point Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	54.1	%50
2	MP2	X	20.5	%50
3	MP3	X	82	%50
4	MP4	X	41.9	%50
5	MP5	X	54.1	%50
6	MP6	X	20.5	%50
7	MP7	X	82	%50
8	MP8	X	41.9	%50
9	MP9	X	82	%50
10	MP10	X	82	%50
11	MP11	X	82	%50
12	MP12	X	82	%50
13	MP2	X	80.9	%50
14	MP2	X	83.8	%50
15	MP4	X	69.4	%50
16	MP6	X	80.9	%50
17	MP6	X	83.8	%50
18	MP8	X	69.4	%50
19	MP10	X	68.4	%50
20	MP10	X	69.5	%50
21	MP12	X	37.5	%50
22	MP1	Z	-31.2	%50
23	MP2	Z	-11.9	%50
24	MP3	Z	-47.3	%50
25	MP4	Z	-24.2	%50
26	MP5	Z	-31.2	%50
27	MP6	Z	-11.9	%50
28	MP7	Z	-47.3	%50

Member Point Loads (BLC 13 : Wind Load (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
29	MP8	Z	-24.2	%50
30	MP9	Z	-47.3	%50
31	MP10	Z	-47.3	%50
32	MP11	Z	-47.3	%50
33	MP12	Z	-47.3	%50
34	MP2	Z	-46.7	%50
35	MP2	Z	-48.4	%50
36	MP4	Z	-40.1	%50
37	MP6	Z	-46.7	%50
38	MP6	Z	-48.4	%50
39	MP8	Z	-40.1	%50
40	MP10	Z	-39.5	%50
41	MP10	Z	-40.1	%50
42	MP12	Z	-21.7	%50

Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-69.4	%50
2	MP2	Y	-69.4	%50
3	MP3	Y	-69.4	%50
4	MP4	Y	-69.4	%50
5	MP5	Y	-69.4	%50
6	MP6	Y	-69.4	%50
7	MP7	Y	-69.4	%50
8	MP8	Y	-69.4	%50
9	MP9	Y	-69.4	%50
10	MP10	Y	-69.4	%50
11	MP11	Y	-69.4	%50
12	MP12	Y	-69.4	%50
13	MP2	Y	-58.9	%50
14	MP2	Y	-60.3	%50
15	MP4	Y	-48.3	%50
16	MP6	Y	-58.9	%50
17	MP6	Y	-60.3	%50
18	MP8	Y	-48.3	%50
19	MP10	Y	-58.9	%50
20	MP10	Y	-60.3	%50
21	MP12	Y	-48.3	%50

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	19.8	%50
2	MP2	X	1.1	%50
3	MP3	X	30.4	%50
4	MP4	X	13	%50
5	MP5	X	27.7	%50
6	MP6	X	23.1	%50
7	MP7	X	30.4	%50
8	MP8	X	26	%50
9	MP9	X	27.7	%50
10	MP10	X	23.1	%50
11	MP11	X	30.4	%50
12	MP12	X	26	%50
13	MP2	X	17.2	%50
14	MP2	X	17.7	%50
15	MP4	X	16.2	%50

Member Point Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP6	X	16	%50
17	MP6	X	16.3	%50
18	MP8	X	11.3	%50
19	MP10	X	16	%50
20	MP10	X	16.3	%50
21	MP12	X	11.3	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	19.4	%50
2	MP2	X	7.3	%50
3	MP3	X	26.3	%50
4	MP4	X	15	%50
5	MP5	X	26.3	%50
6	MP6	X	26.3	%50
7	MP7	X	26.3	%50
8	MP8	X	26.3	%50
9	MP9	X	19.4	%50
10	MP10	X	7.3	%50
11	MP11	X	26.3	%50
12	MP12	X	15	%50
13	MP2	X	14.5	%50
14	MP2	X	14.9	%50
15	MP4	X	12.6	%50
16	MP6	X	13.6	%50
17	MP6	X	13.7	%50
18	MP8	X	8.3	%50
19	MP10	X	14.5	%50
20	MP10	X	14.9	%50
21	MP12	X	12.6	%50
22	MP1	Z	11.2	%50
23	MP2	Z	4.2	%50
24	MP3	Z	15.2	%50
25	MP4	Z	8.7	%50
26	MP5	Z	15.2	%50

Member Point Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP6	Z	15.2	%50
28	MP7	Z	15.2	%50
29	MP8	Z	15.2	%50
30	MP9	Z	11.2	%50
31	MP10	Z	4.2	%50
32	MP11	Z	15.2	%50
33	MP12	Z	8.7	%50
34	MP2	Z	8.4	%50
35	MP2	Z	8.6	%50
36	MP4	Z	7.3	%50
37	MP6	Z	7.8	%50
38	MP6	Z	7.9	%50
39	MP8	Z	4.8	%50
40	MP10	Z	8.4	%50
41	MP10	Z	8.6	%50
42	MP12	Z	7.3	%50

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.9	%50
2	MP2	X	11.5	%50
3	MP3	X	15.2	%50
4	MP4	X	13	%50
5	MP5	X	13.9	%50
6	MP6	X	11.5	%50
7	MP7	X	15.2	%50
8	MP8	X	13	%50
9	MP9	X	9.9	%50
10	MP10	X	.5	%50
11	MP11	X	15.2	%50
12	MP12	X	6.5	%50
13	MP2	X	8	%50
14	MP2	X	8.1	%50
15	MP4	X	5.6	%50
16	MP6	X	8	%50
17	MP6	X	8.1	%50
18	MP8	X	5.6	%50
19	MP10	X	8.6	%50
20	MP10	X	8.8	%50
21	MP12	X	8.1	%50
22	MP1	Z	24	%50
23	MP2	Z	20	%50
24	MP3	Z	26.3	%50
25	MP4	Z	22.6	%50
26	MP5	Z	24	%50
27	MP6	Z	20	%50
28	MP7	Z	26.3	%50
29	MP8	Z	22.6	%50
30	MP9	Z	17.2	%50
31	MP10	Z	.9	%50
32	MP11	Z	26.3	%50
33	MP12	Z	11.3	%50
34	MP2	Z	13.9	%50
35	MP2	Z	14.1	%50
36	MP4	Z	9.8	%50
37	MP6	Z	13.9	%50

Member Point Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
38	MP6	Z	14.1	%50
39	MP8	Z	9.8	%50
40	MP10	Z	14.9	%50
41	MP10	Z	15.3	%50
42	MP12	Z	14	%50

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	30.4	%50
23	MP2	Z	30.4	%50
24	MP3	Z	30.4	%50
25	MP4	Z	30.4	%50
26	MP5	Z	22.5	%50
27	MP6	Z	8.4	%50
28	MP7	Z	30.4	%50
29	MP8	Z	17.3	%50
30	MP9	Z	22.5	%50
31	MP10	Z	8.4	%50
32	MP11	Z	30.4	%50
33	MP12	Z	17.3	%50
34	MP2	Z	15.7	%50
35	MP2	Z	15.8	%50
36	MP4	Z	9.6	%50
37	MP6	Z	16.8	%50
38	MP6	Z	17.2	%50
39	MP8	Z	14.5	%50
40	MP10	Z	16.8	%50
41	MP10	Z	17.2	%50
42	MP12	Z	14.5	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.9	%50
2	MP2	X	-11.5	%50
3	MP3	X	-15.2	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP4	X	-13	%50
5	MP5	X	-9.9	%50
6	MP6	X	-.5	%50
7	MP7	X	-15.2	%50
8	MP8	X	-6.5	%50
9	MP9	X	-13.9	%50
10	MP10	X	-11.5	%50
11	MP11	X	-15.2	%50
12	MP12	X	-13	%50
13	MP2	X	-8	%50
14	MP2	X	-8.1	%50
15	MP4	X	-5.6	%50
16	MP6	X	-8.6	%50
17	MP6	X	-8.8	%50
18	MP8	X	-8.1	%50
19	MP10	X	-8	%50
20	MP10	X	-8.1	%50
21	MP12	X	-5.6	%50
22	MP1	Z	24	%50
23	MP2	Z	20	%50
24	MP3	Z	26.3	%50
25	MP4	Z	22.6	%50
26	MP5	Z	17.2	%50
27	MP6	Z	.9	%50
28	MP7	Z	26.3	%50
29	MP8	Z	11.3	%50
30	MP9	Z	24	%50
31	MP10	Z	20	%50
32	MP11	Z	26.3	%50
33	MP12	Z	22.6	%50
34	MP2	Z	13.9	%50
35	MP2	Z	14.1	%50
36	MP4	Z	9.8	%50
37	MP6	Z	14.9	%50
38	MP6	Z	15.3	%50
39	MP8	Z	14	%50
40	MP10	Z	13.9	%50
41	MP10	Z	14.1	%50
42	MP12	Z	9.8	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-19.4	%50
2	MP2	X	-7.3	%50
3	MP3	X	-26.3	%50
4	MP4	X	-15	%50
5	MP5	X	-19.4	%50
6	MP6	X	-7.3	%50
7	MP7	X	-26.3	%50
8	MP8	X	-15	%50
9	MP9	X	-26.3	%50
10	MP10	X	-26.3	%50
11	MP11	X	-26.3	%50
12	MP12	X	-26.3	%50
13	MP2	X	-14.5	%50
14	MP2	X	-14.9	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
15	MP4	X	-12.6	%50
16	MP6	X	-14.5	%50
17	MP6	X	-14.9	%50
18	MP8	X	-12.6	%50
19	MP10	X	-13.6	%50
20	MP10	X	-13.7	%50
21	MP12	X	-8.3	%50
22	MP1	Z	11.2	%50
23	MP2	Z	4.2	%50
24	MP3	Z	15.2	%50
25	MP4	Z	8.7	%50
26	MP5	Z	11.2	%50
27	MP6	Z	4.2	%50
28	MP7	Z	15.2	%50
29	MP8	Z	8.7	%50
30	MP9	Z	15.2	%50
31	MP10	Z	15.2	%50
32	MP11	Z	15.2	%50
33	MP12	Z	15.2	%50
34	MP2	Z	8.4	%50
35	MP2	Z	8.6	%50
36	MP4	Z	7.3	%50
37	MP6	Z	8.4	%50
38	MP6	Z	8.6	%50
39	MP8	Z	7.3	%50
40	MP10	Z	7.8	%50
41	MP10	Z	7.9	%50
42	MP12	Z	4.8	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-19.8	%50
2	MP2	X	-1.1	%50
3	MP3	X	-30.4	%50
4	MP4	X	-13	%50
5	MP5	X	-27.7	%50
6	MP6	X	-23.1	%50
7	MP7	X	-30.4	%50
8	MP8	X	-26	%50
9	MP9	X	-27.7	%50
10	MP10	X	-23.1	%50
11	MP11	X	-30.4	%50
12	MP12	X	-26	%50
13	MP2	X	-17.2	%50
14	MP2	X	-17.7	%50
15	MP4	X	-16.2	%50
16	MP6	X	-16	%50
17	MP6	X	-16.3	%50
18	MP8	X	-11.3	%50
19	MP10	X	-16	%50
20	MP10	X	-16.3	%50
21	MP12	X	-11.3	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-19.4	%50
2	MP2	X	-7.3	%50
3	MP3	X	-26.3	%50
4	MP4	X	-15	%50
5	MP5	X	-26.3	%50
6	MP6	X	-26.3	%50
7	MP7	X	-26.3	%50
8	MP8	X	-26.3	%50
9	MP9	X	-19.4	%50
10	MP10	X	-7.3	%50
11	MP11	X	-26.3	%50
12	MP12	X	-15	%50
13	MP2	X	-14.5	%50
14	MP2	X	-14.9	%50
15	MP4	X	-12.6	%50
16	MP6	X	-13.6	%50
17	MP6	X	-13.7	%50
18	MP8	X	-8.3	%50
19	MP10	X	-14.5	%50
20	MP10	X	-14.9	%50
21	MP12	X	-12.6	%50
22	MP1	Z	-11.2	%50
23	MP2	Z	-4.2	%50
24	MP3	Z	-15.2	%50
25	MP4	Z	-8.7	%50
26	MP5	Z	-15.2	%50
27	MP6	Z	-15.2	%50
28	MP7	Z	-15.2	%50
29	MP8	Z	-15.2	%50
30	MP9	Z	-11.2	%50
31	MP10	Z	-4.2	%50
32	MP11	Z	-15.2	%50
33	MP12	Z	-8.7	%50
34	MP2	Z	-8.4	%50
35	MP2	Z	-8.6	%50
36	MP4	Z	-7.3	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP6	Z	-7.8	%50
38	MP6	Z	-7.9	%50
39	MP8	Z	-4.8	%50
40	MP10	Z	-8.4	%50
41	MP10	Z	-8.6	%50
42	MP12	Z	-7.3	%50

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.9	%50
2	MP2	X	-11.5	%50
3	MP3	X	-15.2	%50
4	MP4	X	-13	%50
5	MP5	X	-13.9	%50
6	MP6	X	-11.5	%50
7	MP7	X	-15.2	%50
8	MP8	X	-13	%50
9	MP9	X	-9.9	%50
10	MP10	X	-.5	%50
11	MP11	X	-15.2	%50
12	MP12	X	-6.5	%50
13	MP2	X	-8	%50
14	MP2	X	-8.1	%50
15	MP4	X	-5.6	%50
16	MP6	X	-8	%50
17	MP6	X	-8.1	%50
18	MP8	X	-5.6	%50
19	MP10	X	-8.6	%50
20	MP10	X	-8.8	%50
21	MP12	X	-8.1	%50
22	MP1	Z	-24	%50
23	MP2	Z	-20	%50
24	MP3	Z	-26.3	%50
25	MP4	Z	-22.6	%50
26	MP5	Z	-24	%50
27	MP6	Z	-20	%50
28	MP7	Z	-26.3	%50
29	MP8	Z	-22.6	%50
30	MP9	Z	-17.2	%50
31	MP10	Z	-.9	%50
32	MP11	Z	-26.3	%50
33	MP12	Z	-11.3	%50
34	MP2	Z	-13.9	%50
35	MP2	Z	-14.1	%50
36	MP4	Z	-9.8	%50
37	MP6	Z	-13.9	%50
38	MP6	Z	-14.1	%50
39	MP8	Z	-9.8	%50
40	MP10	Z	-14.9	%50
41	MP10	Z	-15.3	%50
42	MP12	Z	-14	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	-30.4	%50
23	MP2	Z	-30.4	%50
24	MP3	Z	-30.4	%50
25	MP4	Z	-30.4	%50
26	MP5	Z	-22.5	%50
27	MP6	Z	-8.4	%50
28	MP7	Z	-30.4	%50
29	MP8	Z	-17.3	%50
30	MP9	Z	-22.5	%50
31	MP10	Z	-8.4	%50
32	MP11	Z	-30.4	%50
33	MP12	Z	-17.3	%50
34	MP2	Z	-15.7	%50
35	MP2	Z	-15.8	%50
36	MP4	Z	-9.6	%50
37	MP6	Z	-16.8	%50
38	MP6	Z	-17.2	%50
39	MP8	Z	-14.5	%50
40	MP10	Z	-16.8	%50
41	MP10	Z	-17.2	%50
42	MP12	Z	-14.5	%50

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.9	%50
2	MP2	X	11.5	%50
3	MP3	X	15.2	%50
4	MP4	X	13	%50
5	MP5	X	9.9	%50
6	MP6	X	.5	%50
7	MP7	X	15.2	%50
8	MP8	X	6.5	%50
9	MP9	X	13.9	%50
10	MP10	X	11.5	%50
11	MP11	X	15.2	%50
12	MP12	X	13	%50
13	MP2	X	8	%50

Member Point Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP2	X	8.1	%50
15	MP4	X	5.6	%50
16	MP6	X	8.6	%50
17	MP6	X	8.8	%50
18	MP8	X	8.1	%50
19	MP10	X	8	%50
20	MP10	X	8.1	%50
21	MP12	X	5.6	%50
22	MP1	Z	-24	%50
23	MP2	Z	-20	%50
24	MP3	Z	-26.3	%50
25	MP4	Z	-22.6	%50
26	MP5	Z	-17.2	%50
27	MP6	Z	-.9	%50
28	MP7	Z	-26.3	%50
29	MP8	Z	-11.3	%50
30	MP9	Z	-24	%50
31	MP10	Z	-20	%50
32	MP11	Z	-26.3	%50
33	MP12	Z	-22.6	%50
34	MP2	Z	-13.9	%50
35	MP2	Z	-14.1	%50
36	MP4	Z	-9.8	%50
37	MP6	Z	-14.9	%50
38	MP6	Z	-15.3	%50
39	MP8	Z	-14	%50
40	MP10	Z	-13.9	%50
41	MP10	Z	-14.1	%50
42	MP12	Z	-9.8	%50

Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	19.4	%50
2	MP2	X	7.3	%50
3	MP3	X	26.3	%50
4	MP4	X	15	%50
5	MP5	X	19.4	%50
6	MP6	X	7.3	%50
7	MP7	X	26.3	%50
8	MP8	X	15	%50
9	MP9	X	26.3	%50
10	MP10	X	26.3	%50
11	MP11	X	26.3	%50
12	MP12	X	26.3	%50
13	MP2	X	14.5	%50
14	MP2	X	14.9	%50
15	MP4	X	12.6	%50
16	MP6	X	14.5	%50
17	MP6	X	14.9	%50
18	MP8	X	12.6	%50
19	MP10	X	13.6	%50
20	MP10	X	13.7	%50
21	MP12	X	8.3	%50
22	MP1	Z	-11.2	%50
23	MP2	Z	-4.2	%50
24	MP3	Z	-15.2	%50

Member Point Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
25	MP4	Z	-8.7	%50
26	MP5	Z	-11.2	%50
27	MP6	Z	-4.2	%50
28	MP7	Z	-15.2	%50
29	MP8	Z	-8.7	%50
30	MP9	Z	-15.2	%50
31	MP10	Z	-15.2	%50
32	MP11	Z	-15.2	%50
33	MP12	Z	-15.2	%50
34	MP2	Z	-8.4	%50
35	MP2	Z	-8.6	%50
36	MP4	Z	-7.3	%50
37	MP6	Z	-8.4	%50
38	MP6	Z	-8.6	%50
39	MP8	Z	-7.3	%50
40	MP10	Z	-7.8	%50
41	MP10	Z	-7.9	%50
42	MP12	Z	-4.8	%50

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	73.2	%50
14	MP2	X	97	%50
15	MP4	X	49.6	%50
16	MP6	X	73.2	%50
17	MP6	X	97	%50
18	MP8	X	49.6	%50
19	MP10	X	73.2	%50
20	MP10	X	97	%50
21	MP12	X	49.6	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	63.4	%50
14	MP2	X	84	%50
15	MP4	X	43	%50
16	MP6	X	63.4	%50
17	MP6	X	84	%50
18	MP8	X	43	%50
19	MP10	X	63.4	%50
20	MP10	X	84	%50
21	MP12	X	43	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	36.6	%50
35	MP2	Z	48.5	%50
36	MP4	Z	24.8	%50
37	MP6	Z	36.6	%50
38	MP6	Z	48.5	%50
39	MP8	Z	24.8	%50
40	MP10	Z	36.6	%50
41	MP10	Z	48.5	%50
42	MP12	Z	24.8	%50

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	36.6	%50
14	MP2	X	48.5	%50
15	MP4	X	24.8	%50
16	MP6	X	36.6	%50
17	MP6	X	48.5	%50
18	MP8	X	24.8	%50
19	MP10	X	36.6	%50
20	MP10	X	48.5	%50
21	MP12	X	24.8	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	63.4	%50
35	MP2	Z	84	%50
36	MP4	Z	43	%50
37	MP6	Z	63.4	%50
38	MP6	Z	84	%50
39	MP8	Z	43	%50
40	MP10	Z	63.4	%50
41	MP10	Z	84	%50
42	MP12	Z	43	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	73.2	%50
35	MP2	Z	97	%50
36	MP4	Z	49.6	%50
37	MP6	Z	73.2	%50
38	MP6	Z	97	%50
39	MP8	Z	49.6	%50
40	MP10	Z	73.2	%50
41	MP10	Z	97	%50
42	MP12	Z	49.6	%50

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	-36.6	%50
14	MP2	X	-48.5	%50
15	MP4	X	-24.8	%50
16	MP6	X	-36.6	%50
17	MP6	X	-48.5	%50
18	MP8	X	-24.8	%50
19	MP10	X	-36.6	%50
20	MP10	X	-48.5	%50
21	MP12	X	-24.8	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	63.4	%50
35	MP2	Z	84	%50
36	MP4	Z	43	%50
37	MP6	Z	63.4	%50
38	MP6	Z	84	%50
39	MP8	Z	43	%50
40	MP10	Z	63.4	%50
41	MP10	Z	84	%50
42	MP12	Z	43	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	-63.4	%50
14	MP2	X	-84	%50
15	MP4	X	-43	%50
16	MP6	X	-63.4	%50
17	MP6	X	-84	%50
18	MP8	X	-43	%50
19	MP10	X	-63.4	%50
20	MP10	X	-84	%50
21	MP12	X	-43	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	36.6	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
35	MP2	Z	48.5	%50
36	MP4	Z	24.8	%50
37	MP6	Z	36.6	%50
38	MP6	Z	48.5	%50
39	MP8	Z	24.8	%50
40	MP10	Z	36.6	%50
41	MP10	Z	48.5	%50
42	MP12	Z	24.8	%50

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	-73.2	%50
14	MP2	X	-97	%50
15	MP4	X	-49.6	%50
16	MP6	X	-73.2	%50
17	MP6	X	-97	%50
18	MP8	X	-49.6	%50
19	MP10	X	-73.2	%50
20	MP10	X	-97	%50
21	MP12	X	-49.6	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	0	%50
35	MP2	Z	0	%50
36	MP4	Z	0	%50
37	MP6	Z	0	%50
38	MP6	Z	0	%50
39	MP8	Z	0	%50
40	MP10	Z	0	%50
41	MP10	Z	0	%50
42	MP12	Z	0	%50

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

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

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	-63.4	%50
14	MP2	X	-84	%50
15	MP4	X	-43	%50
16	MP6	X	-63.4	%50
17	MP6	X	-84	%50
18	MP8	X	-43	%50
19	MP10	X	-63.4	%50
20	MP10	X	-84	%50
21	MP12	X	-43	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	-36.6	%50
35	MP2	Z	-48.5	%50
36	MP4	Z	-24.8	%50
37	MP6	Z	-36.6	%50
38	MP6	Z	-48.5	%50
39	MP8	Z	-24.8	%50
40	MP10	Z	-36.6	%50
41	MP10	Z	-48.5	%50
42	MP12	Z	-24.8	%50

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
12	MP12	X	0	%50
13	MP2	X	-36.6	%50
14	MP2	X	-48.5	%50
15	MP4	X	-24.8	%50
16	MP6	X	-36.6	%50
17	MP6	X	-48.5	%50
18	MP8	X	-24.8	%50
19	MP10	X	-36.6	%50
20	MP10	X	-48.5	%50
21	MP12	X	-24.8	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	-63.4	%50
35	MP2	Z	-84	%50
36	MP4	Z	-43	%50
37	MP6	Z	-63.4	%50
38	MP6	Z	-84	%50
39	MP8	Z	-43	%50
40	MP10	Z	-63.4	%50
41	MP10	Z	-84	%50
42	MP12	Z	-43	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	0	%50
14	MP2	X	0	%50
15	MP4	X	0	%50
16	MP6	X	0	%50
17	MP6	X	0	%50
18	MP8	X	0	%50
19	MP10	X	0	%50
20	MP10	X	0	%50
21	MP12	X	0	%50
22	MP1	Z	0	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	-73.2	%50
35	MP2	Z	-97	%50
36	MP4	Z	-49.6	%50
37	MP6	Z	-73.2	%50
38	MP6	Z	-97	%50
39	MP8	Z	-49.6	%50
40	MP10	Z	-73.2	%50
41	MP10	Z	-97	%50
42	MP12	Z	-49.6	%50

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	36.6	%50
14	MP2	X	48.5	%50
15	MP4	X	24.8	%50
16	MP6	X	36.6	%50
17	MP6	X	48.5	%50
18	MP8	X	24.8	%50
19	MP10	X	36.6	%50
20	MP10	X	48.5	%50
21	MP12	X	24.8	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
34	MP2	Z	-63.4	%50
35	MP2	Z	-84	%50
36	MP4	Z	-43	%50
37	MP6	Z	-63.4	%50
38	MP6	Z	-84	%50
39	MP8	Z	-43	%50
40	MP10	Z	-63.4	%50
41	MP10	Z	-84	%50
42	MP12	Z	-43	%50

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP2	X	63.4	%50
14	MP2	X	84	%50
15	MP4	X	43	%50
16	MP6	X	63.4	%50
17	MP6	X	84	%50
18	MP8	X	43	%50
19	MP10	X	63.4	%50
20	MP10	X	84	%50
21	MP12	X	43	%50
22	MP1	Z	0	%50
23	MP2	Z	0	%50
24	MP3	Z	0	%50
25	MP4	Z	0	%50
26	MP5	Z	0	%50
27	MP6	Z	0	%50
28	MP7	Z	0	%50
29	MP8	Z	0	%50
30	MP9	Z	0	%50
31	MP10	Z	0	%50
32	MP11	Z	0	%50
33	MP12	Z	0	%50
34	MP2	Z	-36.6	%50
35	MP2	Z	-48.5	%50
36	MP4	Z	-24.8	%50
37	MP6	Z	-36.6	%50
38	MP6	Z	-48.5	%50
39	MP8	Z	-24.8	%50
40	MP10	Z	-36.6	%50
41	MP10	Z	-48.5	%50
42	MP12	Z	-24.8	%50

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-500	%50

Member Point Loads (BLC 40 : Maintenance Load, Lm (MP2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-500	%50

Member Point Loads (BLC 41 : Maintenance Load, Lm (MP3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Y	-500	%50

Member Point Loads (BLC 42 : Maintenance Load, Lm (MP4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP4	Y	-500	%50

Member Point Loads (BLC 43 : Maintenance Load, Lm (MP5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP5	Y	-500	%50

Member Point Loads (BLC 44 : Maintenance Load, Lm (MP6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP6	Y	-500	%50

Member Point Loads (BLC 45 : Maintenance Load, Lm (MP7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP7	Y	-500	%50

Member Point Loads (BLC 46 : Maintenance Load, Lm (MP8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP8	Y	-500	%50

Member Point Loads (BLC 47 : Maintenance Load, Lm (MP9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP9	Y	-500	%50

Member Point Loads (BLC 48 : Maintenance Load, Lm (MP10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP10	Y	-500	%50

Member Point Loads (BLC 49 : Maintenance Load, Lm (MP11))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP11	Y	-500	%50

Member Point Loads (BLC 50 : Maintenance Load, Lm (MP12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP12	Y	-500	%50

Member Point Loads (BLC 75 : Maintenance Load, Lv (Pos. 1))

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

Member Point Loads (BLC 76 : Maintenance Load, Lv (Pos. 2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-0	Y	-250	%50

Member Point Loads (BLC 77 : Maintenance Load, Lv (Pos. 3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-0	Y	-250	%100

Member Point Loads (BLC 78 : Maintenance Load, Lv (Pos. 4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	0

Member Point Loads (BLC 79 : Maintenance Load, Lv (Pos. 5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	%50

Member Point Loads (BLC 80 : Maintenance Load, Lv (Pos. 6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	%100

Member Point Loads (BLC 81 : Maintenance Load, Lv (Pos. 7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	0

Member Point Loads (BLC 82 : Maintenance Load, Lv (Pos. 8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	%50

Member Point Loads (BLC 83 : Maintenance Load, Lv (Pos. 9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	%100

Member Point Loads (BLC 84 : Maintenance Load, Lv (Pos. 10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-90-1	Y	-250	%50

Member Point Loads (BLC 85 : Maintenance Load, Lv (Pos. 11))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-90-2	Y	-250	%50

Member Point Loads (BLC 86 : Maintenance Load, Lv (Pos. 12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-210-1	Y	-250	%50

Member Point Loads (BLC 87 : Maintenance Load, Lv (Pos. 13))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-210-2	Y	-250	%50

Member Point Loads (BLC 88 : Maintenance Load, Lv (Pos. 14))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-330-1	Y	-250	%50

Member Point Loads (BLC 89 : Maintenance Load, Lv (Pos. 15))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	GRATE-H-330-2	Y	-250	%50

Member Point Loads (BLC 90 : Maintenance Load, Lv (Pos. 16))

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

Member Point Loads (BLC 91 : Maintenance Load, Lv (Pos. 17))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	%50

Member Point Loads (BLC 92 : Maintenance Load, Lv (Pos. 18))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	%100

Member Point Loads (BLC 93 : Maintenance Load, Lv (Pos. 19))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	0

Member Point Loads (BLC 94 : Maintenance Load, Lv (Pos. 20))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	%50

Member Point Loads (BLC 95 : Maintenance Load, Lv (Pos. 21))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	%100

Member Point Loads (BLC 96 : Maintenance Load, Lv (Pos. 22))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	0

Member Point Loads (BLC 97 : Maintenance Load, Lv (Pos. 23))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	%50

Member Point Loads (BLC 98 : Maintenance Load, Lv (Pos. 24))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	%100

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-57.3	%39.005
2	MP1	Y	-57.3	%60.995
3	MP2	Y	-75	%6.302
4	MP2	Y	-75	%93.698
5	MP4	Y	-20.4	%27.135
6	MP4	Y	-20.4	%72.865
7	MP5	Y	-57.3	%39.005
8	MP5	Y	-57.3	%60.995
9	MP6	Y	-75	%6.302
10	MP6	Y	-75	%93.698
11	MP8	Y	-20.4	%27.135
12	MP8	Y	-20.4	%72.865

Member Point Loads (BLC 175 : Antenna Dead Load) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP9	Y	-57.3	%39.005
14	MP9	Y	-57.3	%60.995
15	MP10	Y	-75	%6.302
16	MP10	Y	-75	%93.698
17	MP12	Y	-20.4	%27.135
18	MP12	Y	-20.4	%72.865

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	141	%39.005
2	MP1	X	141	%60.995
3	MP2	X	365.4	%6.302
4	MP2	X	365.4	%93.698
5	MP4	X	155.9	%27.135
6	MP4	X	155.9	%72.865
7	MP5	X	81.5	%39.005
8	MP5	X	81.5	%60.995
9	MP6	X	190.7	%6.302
10	MP6	X	190.7	%93.698
11	MP8	X	67	%27.135
12	MP8	X	67	%72.865
13	MP9	X	81.5	%39.005
14	MP9	X	81.5	%60.995
15	MP10	X	190.7	%6.302
16	MP10	X	190.7	%93.698
17	MP12	X	67	%27.135
18	MP12	X	67	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	104.9	%39.005
2	MP1	X	104.9	%60.995
3	MP2	X	266	%6.302
4	MP2	X	266	%93.698
5	MP4	X	109.4	%27.135
6	MP4	X	109.4	%72.865
7	MP5	X	53.4	%39.005
8	MP5	X	53.4	%60.995

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP6	X	114.8	%6.302
10	MP6	X	114.8	%93.698
11	MP8	X	32.4	%27.135
12	MP8	X	32.4	%72.865
13	MP9	X	104.9	%39.005
14	MP9	X	104.9	%60.995
15	MP10	X	266	%6.302
16	MP10	X	266	%93.698
17	MP12	X	109.4	%27.135
18	MP12	X	109.4	%72.865
19	MP1	Z	60.6	%39.005
20	MP1	Z	60.6	%60.995
21	MP2	Z	153.6	%6.302
22	MP2	Z	153.6	%93.698
23	MP4	Z	63.1	%27.135
24	MP4	Z	63.1	%72.865
25	MP5	Z	30.8	%39.005
26	MP5	Z	30.8	%60.995
27	MP6	Z	66.3	%6.302
28	MP6	Z	66.3	%93.698
29	MP8	Z	18.7	%27.135
30	MP8	Z	18.7	%72.865
31	MP9	Z	60.6	%39.005
32	MP9	Z	60.6	%60.995
33	MP10	Z	153.6	%6.302
34	MP10	Z	153.6	%93.698
35	MP12	Z	63.1	%27.135
36	MP12	Z	63.1	%72.865

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	40.8	%39.005
2	MP1	X	40.8	%60.995
3	MP2	X	95.4	%6.302
4	MP2	X	95.4	%93.698
5	MP4	X	33.5	%27.135
6	MP4	X	33.5	%72.865
7	MP5	X	40.8	%39.005
8	MP5	X	40.8	%60.995
9	MP6	X	95.4	%6.302
10	MP6	X	95.4	%93.698
11	MP8	X	33.5	%27.135
12	MP8	X	33.5	%72.865
13	MP9	X	70.5	%39.005
14	MP9	X	70.5	%60.995
15	MP10	X	182.7	%6.302
16	MP10	X	182.7	%93.698
17	MP12	X	78	%27.135
18	MP12	X	78	%72.865
19	MP1	Z	70.6	%39.005
20	MP1	Z	70.6	%60.995
21	MP2	Z	165.2	%6.302
22	MP2	Z	165.2	%93.698
23	MP4	Z	58	%27.135
24	MP4	Z	58	%72.865
25	MP5	Z	70.6	%39.005

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP5	Z	70.6	%60.995
27	MP6	Z	165.2	%6.302
28	MP6	Z	165.2	%93.698
29	MP8	Z	58	%27.135
30	MP8	Z	58	%72.865
31	MP9	Z	122.1	%39.005
32	MP9	Z	122.1	%60.995
33	MP10	Z	316.4	%6.302
34	MP10	Z	316.4	%93.698
35	MP12	Z	135	%27.135
36	MP12	Z	135	%72.865

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	61.7	%39.005
20	MP1	Z	61.7	%60.995
21	MP2	Z	132.5	%6.302
22	MP2	Z	132.5	%93.698
23	MP4	Z	37.4	%27.135
24	MP4	Z	37.4	%72.865
25	MP5	Z	121.1	%39.005
26	MP5	Z	121.1	%60.995
27	MP6	Z	307.2	%6.302
28	MP6	Z	307.2	%93.698
29	MP8	Z	126.3	%27.135
30	MP8	Z	126.3	%72.865
31	MP9	Z	121.1	%39.005
32	MP9	Z	121.1	%60.995
33	MP10	Z	307.2	%6.302
34	MP10	Z	307.2	%93.698
35	MP12	Z	126.3	%27.135
36	MP12	Z	126.3	%72.865

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-40.8	%39.005
2	MP1	X	-40.8	%60.995
3	MP2	X	-95.4	%6.302

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP2	X	-95.4	%93.698
5	MP4	X	-33.5	%27.135
6	MP4	X	-33.5	%72.865
7	MP5	X	-70.5	%39.005
8	MP5	X	-70.5	%60.995
9	MP6	X	-182.7	%6.302
10	MP6	X	-182.7	%93.698
11	MP8	X	-78	%27.135
12	MP8	X	-78	%72.865
13	MP9	X	-40.8	%39.005
14	MP9	X	-40.8	%60.995
15	MP10	X	-95.4	%6.302
16	MP10	X	-95.4	%93.698
17	MP12	X	-33.5	%27.135
18	MP12	X	-33.5	%72.865
19	MP1	Z	70.6	%39.005
20	MP1	Z	70.6	%60.995
21	MP2	Z	165.2	%6.302
22	MP2	Z	165.2	%93.698
23	MP4	Z	58	%27.135
24	MP4	Z	58	%72.865
25	MP5	Z	122.1	%39.005
26	MP5	Z	122.1	%60.995
27	MP6	Z	316.4	%6.302
28	MP6	Z	316.4	%93.698
29	MP8	Z	135	%27.135
30	MP8	Z	135	%72.865
31	MP9	Z	70.6	%39.005
32	MP9	Z	70.6	%60.995
33	MP10	Z	165.2	%6.302
34	MP10	Z	165.2	%93.698
35	MP12	Z	58	%27.135
36	MP12	Z	58	%72.865

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-104.9	%39.005
2	MP1	X	-104.9	%60.995
3	MP2	X	-266	%6.302
4	MP2	X	-266	%93.698
5	MP4	X	-109.4	%27.135
6	MP4	X	-109.4	%72.865
7	MP5	X	-104.9	%39.005
8	MP5	X	-104.9	%60.995
9	MP6	X	-266	%6.302
10	MP6	X	-266	%93.698
11	MP8	X	-109.4	%27.135
12	MP8	X	-109.4	%72.865
13	MP9	X	-53.4	%39.005
14	MP9	X	-53.4	%60.995
15	MP10	X	-114.8	%6.302
16	MP10	X	-114.8	%93.698
17	MP12	X	-32.4	%27.135
18	MP12	X	-32.4	%72.865
19	MP1	Z	60.6	%39.005
20	MP1	Z	60.6	%60.995

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP2	Z	153.6	%6.302
22	MP2	Z	153.6	%93.698
23	MP4	Z	63.1	%27.135
24	MP4	Z	63.1	%72.865
25	MP5	Z	60.6	%39.005
26	MP5	Z	60.6	%60.995
27	MP6	Z	153.6	%6.302
28	MP6	Z	153.6	%93.698
29	MP8	Z	63.1	%27.135
30	MP8	Z	63.1	%72.865
31	MP9	Z	30.8	%39.005
32	MP9	Z	30.8	%60.995
33	MP10	Z	66.3	%6.302
34	MP10	Z	66.3	%93.698
35	MP12	Z	18.7	%27.135
36	MP12	Z	18.7	%72.865

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-141	%39.005
2	MP1	X	-141	%60.995
3	MP2	X	-365.4	%6.302
4	MP2	X	-365.4	%93.698
5	MP4	X	-155.9	%27.135
6	MP4	X	-155.9	%72.865
7	MP5	X	-81.5	%39.005
8	MP5	X	-81.5	%60.995
9	MP6	X	-190.7	%6.302
10	MP6	X	-190.7	%93.698
11	MP8	X	-67	%27.135
12	MP8	X	-67	%72.865
13	MP9	X	-81.5	%39.005
14	MP9	X	-81.5	%60.995
15	MP10	X	-190.7	%6.302
16	MP10	X	-190.7	%93.698
17	MP12	X	-67	%27.135
18	MP12	X	-67	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-104.9	%39.005
2	MP1	X	-104.9	%60.995
3	MP2	X	-266	%6.302
4	MP2	X	-266	%93.698
5	MP4	X	-109.4	%27.135
6	MP4	X	-109.4	%72.865
7	MP5	X	-53.4	%39.005
8	MP5	X	-53.4	%60.995
9	MP6	X	-114.8	%6.302
10	MP6	X	-114.8	%93.698
11	MP8	X	-32.4	%27.135
12	MP8	X	-32.4	%72.865
13	MP9	X	-104.9	%39.005
14	MP9	X	-104.9	%60.995
15	MP10	X	-266	%6.302
16	MP10	X	-266	%93.698
17	MP12	X	-109.4	%27.135
18	MP12	X	-109.4	%72.865
19	MP1	Z	-60.6	%39.005
20	MP1	Z	-60.6	%60.995
21	MP2	Z	-153.6	%6.302
22	MP2	Z	-153.6	%93.698
23	MP4	Z	-63.1	%27.135
24	MP4	Z	-63.1	%72.865
25	MP5	Z	-30.8	%39.005
26	MP5	Z	-30.8	%60.995
27	MP6	Z	-66.3	%6.302
28	MP6	Z	-66.3	%93.698
29	MP8	Z	-18.7	%27.135
30	MP8	Z	-18.7	%72.865
31	MP9	Z	-60.6	%39.005
32	MP9	Z	-60.6	%60.995
33	MP10	Z	-153.6	%6.302
34	MP10	Z	-153.6	%93.698
35	MP12	Z	-63.1	%27.135
36	MP12	Z	-63.1	%72.865

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-40.8	%39.005
2	MP1	X	-40.8	%60.995
3	MP2	X	-95.4	%6.302
4	MP2	X	-95.4	%93.698
5	MP4	X	-33.5	%27.135
6	MP4	X	-33.5	%72.865
7	MP5	X	-40.8	%39.005
8	MP5	X	-40.8	%60.995
9	MP6	X	-95.4	%6.302
10	MP6	X	-95.4	%93.698
11	MP8	X	-33.5	%27.135
12	MP8	X	-33.5	%72.865
13	MP9	X	-70.5	%39.005
14	MP9	X	-70.5	%60.995
15	MP10	X	-182.7	%6.302
16	MP10	X	-182.7	%93.698
17	MP12	X	-78	%27.135

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP12	X	-78	%72.865
19	MP1	Z	-70.6	%39.005
20	MP1	Z	-70.6	%60.995
21	MP2	Z	-165.2	%6.302
22	MP2	Z	-165.2	%93.698
23	MP4	Z	-58	%27.135
24	MP4	Z	-58	%72.865
25	MP5	Z	-70.6	%39.005
26	MP5	Z	-70.6	%60.995
27	MP6	Z	-165.2	%6.302
28	MP6	Z	-165.2	%93.698
29	MP8	Z	-58	%27.135
30	MP8	Z	-58	%72.865
31	MP9	Z	-122.1	%39.005
32	MP9	Z	-122.1	%60.995
33	MP10	Z	-316.4	%6.302
34	MP10	Z	-316.4	%93.698
35	MP12	Z	-135	%27.135
36	MP12	Z	-135	%72.865

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	-61.7	%39.005
20	MP1	Z	-61.7	%60.995
21	MP2	Z	-132.5	%6.302
22	MP2	Z	-132.5	%93.698
23	MP4	Z	-37.4	%27.135
24	MP4	Z	-37.4	%72.865
25	MP5	Z	-121.1	%39.005
26	MP5	Z	-121.1	%60.995
27	MP6	Z	-307.2	%6.302
28	MP6	Z	-307.2	%93.698
29	MP8	Z	-126.3	%27.135
30	MP8	Z	-126.3	%72.865
31	MP9	Z	-121.1	%39.005
32	MP9	Z	-121.1	%60.995
33	MP10	Z	-307.2	%6.302
34	MP10	Z	-307.2	%93.698

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
35	MP12	Z	-126.3	%27.135
36	MP12	Z	-126.3	%72.865

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	40.8	%39.005
2	MP1	X	40.8	%60.995
3	MP2	X	95.4	%6.302
4	MP2	X	95.4	%93.698
5	MP4	X	33.5	%27.135
6	MP4	X	33.5	%72.865
7	MP5	X	70.5	%39.005
8	MP5	X	70.5	%60.995
9	MP6	X	182.7	%6.302
10	MP6	X	182.7	%93.698
11	MP8	X	78	%27.135
12	MP8	X	78	%72.865
13	MP9	X	40.8	%39.005
14	MP9	X	40.8	%60.995
15	MP10	X	95.4	%6.302
16	MP10	X	95.4	%93.698
17	MP12	X	33.5	%27.135
18	MP12	X	33.5	%72.865
19	MP1	Z	-70.6	%39.005
20	MP1	Z	-70.6	%60.995
21	MP2	Z	-165.2	%6.302
22	MP2	Z	-165.2	%93.698
23	MP4	Z	-58	%27.135
24	MP4	Z	-58	%72.865
25	MP5	Z	-122.1	%39.005
26	MP5	Z	-122.1	%60.995
27	MP6	Z	-316.4	%6.302
28	MP6	Z	-316.4	%93.698
29	MP8	Z	-135	%27.135
30	MP8	Z	-135	%72.865
31	MP9	Z	-70.6	%39.005
32	MP9	Z	-70.6	%60.995
33	MP10	Z	-165.2	%6.302
34	MP10	Z	-165.2	%93.698
35	MP12	Z	-58	%27.135
36	MP12	Z	-58	%72.865

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	104.9	%39.005
2	MP1	X	104.9	%60.995
3	MP2	X	266	%6.302
4	MP2	X	266	%93.698
5	MP4	X	109.4	%27.135
6	MP4	X	109.4	%72.865
7	MP5	X	104.9	%39.005
8	MP5	X	104.9	%60.995
9	MP6	X	266	%6.302
10	MP6	X	266	%93.698
11	MP8	X	109.4	%27.135
12	MP8	X	109.4	%72.865

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP9	X	53.4	%39.005
14	MP9	X	53.4	%60.995
15	MP10	X	114.8	%6.302
16	MP10	X	114.8	%93.698
17	MP12	X	32.4	%27.135
18	MP12	X	32.4	%72.865
19	MP1	Z	-60.6	%39.005
20	MP1	Z	-60.6	%60.995
21	MP2	Z	-153.6	%6.302
22	MP2	Z	-153.6	%93.698
23	MP4	Z	-63.1	%27.135
24	MP4	Z	-63.1	%72.865
25	MP5	Z	-60.6	%39.005
26	MP5	Z	-60.6	%60.995
27	MP6	Z	-153.6	%6.302
28	MP6	Z	-153.6	%93.698
29	MP8	Z	-63.1	%27.135
30	MP8	Z	-63.1	%72.865
31	MP9	Z	-30.8	%39.005
32	MP9	Z	-30.8	%60.995
33	MP10	Z	-66.3	%6.302
34	MP10	Z	-66.3	%93.698
35	MP12	Z	-18.7	%27.135
36	MP12	Z	-18.7	%72.865

Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-69.8	%39.005
2	MP1	Y	-69.8	%60.995
3	MP2	Y	-136.4	%6.302
4	MP2	Y	-136.4	%93.698
5	MP4	Y	-43	%27.135
6	MP4	Y	-43	%72.865
7	MP5	Y	-69.8	%39.005
8	MP5	Y	-69.8	%60.995
9	MP6	Y	-136.4	%6.302
10	MP6	Y	-136.4	%93.698
11	MP8	Y	-43	%27.135
12	MP8	Y	-43	%72.865
13	MP9	Y	-69.8	%39.005
14	MP9	Y	-69.8	%60.995
15	MP10	Y	-136.4	%6.302
16	MP10	Y	-136.4	%93.698
17	MP12	Y	-43	%27.135
18	MP12	Y	-43	%72.865

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.1	%39.005
2	MP1	X	23.1	%60.995
3	MP2	X	60.6	%6.302
4	MP2	X	60.6	%93.698
5	MP4	X	28.2	%27.135
6	MP4	X	28.2	%72.865
7	MP5	X	14.6	%39.005
8	MP5	X	14.6	%60.995

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP6	X	34.2	%6.302
10	MP6	X	34.2	%93.698
11	MP8	X	14.5	%27.135
12	MP8	X	14.5	%72.865
13	MP9	X	14.6	%39.005
14	MP9	X	14.6	%60.995
15	MP10	X	34.2	%6.302
16	MP10	X	34.2	%93.698
17	MP12	X	14.5	%27.135
18	MP12	X	14.5	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	17.5	%39.005
2	MP1	X	17.5	%60.995
3	MP2	X	44.9	%6.302
4	MP2	X	44.9	%93.698
5	MP4	X	20.5	%27.135
6	MP4	X	20.5	%72.865
7	MP5	X	10.1	%39.005
8	MP5	X	10.1	%60.995
9	MP6	X	22	%6.302
10	MP6	X	22	%93.698
11	MP8	X	8.6	%27.135
12	MP8	X	8.6	%72.865
13	MP9	X	17.5	%39.005
14	MP9	X	17.5	%60.995
15	MP10	X	44.9	%6.302
16	MP10	X	44.9	%93.698
17	MP12	X	20.5	%27.135
18	MP12	X	20.5	%72.865
19	MP1	Z	10.1	%39.005
20	MP1	Z	10.1	%60.995
21	MP2	Z	25.9	%6.302
22	MP2	Z	25.9	%93.698
23	MP4	Z	11.8	%27.135
24	MP4	Z	11.8	%72.865
25	MP5	Z	5.9	%39.005

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP5	Z	5.9	%60.995
27	MP6	Z	12.7	%6.302
28	MP6	Z	12.7	%93.698
29	MP8	Z	5	%27.135
30	MP8	Z	5	%72.865
31	MP9	Z	10.1	%39.005
32	MP9	Z	10.1	%60.995
33	MP10	Z	25.9	%6.302
34	MP10	Z	25.9	%93.698
35	MP12	Z	11.8	%27.135
36	MP12	Z	11.8	%72.865

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.3	%39.005
2	MP1	X	7.3	%60.995
3	MP2	X	17.1	%6.302
4	MP2	X	17.1	%93.698
5	MP4	X	7.2	%27.135
6	MP4	X	7.2	%72.865
7	MP5	X	7.3	%39.005
8	MP5	X	7.3	%60.995
9	MP6	X	17.1	%6.302
10	MP6	X	17.1	%93.698
11	MP8	X	7.2	%27.135
12	MP8	X	7.2	%72.865
13	MP9	X	11.6	%39.005
14	MP9	X	11.6	%60.995
15	MP10	X	30.3	%6.302
16	MP10	X	30.3	%93.698
17	MP12	X	14.1	%27.135
18	MP12	X	14.1	%72.865
19	MP1	Z	12.6	%39.005
20	MP1	Z	12.6	%60.995
21	MP2	Z	29.6	%6.302
22	MP2	Z	29.6	%93.698
23	MP4	Z	12.5	%27.135
24	MP4	Z	12.5	%72.865
25	MP5	Z	12.6	%39.005
26	MP5	Z	12.6	%60.995
27	MP6	Z	29.6	%6.302
28	MP6	Z	29.6	%93.698
29	MP8	Z	12.5	%27.135
30	MP8	Z	12.5	%72.865
31	MP9	Z	20	%39.005
32	MP9	Z	20	%60.995
33	MP10	Z	52.5	%6.302
34	MP10	Z	52.5	%93.698
35	MP12	Z	24.4	%27.135
36	MP12	Z	24.4	%72.865

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	11.7	%39.005
20	MP1	Z	11.7	%60.995
21	MP2	Z	25.4	%6.302
22	MP2	Z	25.4	%93.698
23	MP4	Z	9.9	%27.135
24	MP4	Z	9.9	%72.865
25	MP5	Z	20.3	%39.005
26	MP5	Z	20.3	%60.995
27	MP6	Z	51.8	%6.302
28	MP6	Z	51.8	%93.698
29	MP8	Z	23.6	%27.135
30	MP8	Z	23.6	%72.865
31	MP9	Z	20.3	%39.005
32	MP9	Z	20.3	%60.995
33	MP10	Z	51.8	%6.302
34	MP10	Z	51.8	%93.698
35	MP12	Z	23.6	%27.135
36	MP12	Z	23.6	%72.865

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.3	%39.005
2	MP1	X	-7.3	%60.995
3	MP2	X	-17.1	%6.302
4	MP2	X	-17.1	%93.698
5	MP4	X	-7.2	%27.135
6	MP4	X	-7.2	%72.865
7	MP5	X	-11.6	%39.005
8	MP5	X	-11.6	%60.995
9	MP6	X	-30.3	%6.302
10	MP6	X	-30.3	%93.698
11	MP8	X	-14.1	%27.135
12	MP8	X	-14.1	%72.865
13	MP9	X	-7.3	%39.005
14	MP9	X	-7.3	%60.995
15	MP10	X	-17.1	%6.302
16	MP10	X	-17.1	%93.698
17	MP12	X	-7.2	%27.135
18	MP12	X	-7.2	%72.865
19	MP1	Z	12.6	%39.005
20	MP1	Z	12.6	%60.995

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP2	Z	29.6	%6.302
22	MP2	Z	29.6	%93.698
23	MP4	Z	12.5	%27.135
24	MP4	Z	12.5	%72.865
25	MP5	Z	20	%39.005
26	MP5	Z	20	%60.995
27	MP6	Z	52.5	%6.302
28	MP6	Z	52.5	%93.698
29	MP8	Z	24.4	%27.135
30	MP8	Z	24.4	%72.865
31	MP9	Z	12.6	%39.005
32	MP9	Z	12.6	%60.995
33	MP10	Z	29.6	%6.302
34	MP10	Z	29.6	%93.698
35	MP12	Z	12.5	%27.135
36	MP12	Z	12.5	%72.865

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-17.5	%39.005
2	MP1	X	-17.5	%60.995
3	MP2	X	-44.9	%6.302
4	MP2	X	-44.9	%93.698
5	MP4	X	-20.5	%27.135
6	MP4	X	-20.5	%72.865
7	MP5	X	-17.5	%39.005
8	MP5	X	-17.5	%60.995
9	MP6	X	-44.9	%6.302
10	MP6	X	-44.9	%93.698
11	MP8	X	-20.5	%27.135
12	MP8	X	-20.5	%72.865
13	MP9	X	-10.1	%39.005
14	MP9	X	-10.1	%60.995
15	MP10	X	-22	%6.302
16	MP10	X	-22	%93.698
17	MP12	X	-8.6	%27.135
18	MP12	X	-8.6	%72.865
19	MP1	Z	10.1	%39.005
20	MP1	Z	10.1	%60.995
21	MP2	Z	25.9	%6.302
22	MP2	Z	25.9	%93.698
23	MP4	Z	11.8	%27.135
24	MP4	Z	11.8	%72.865
25	MP5	Z	10.1	%39.005
26	MP5	Z	10.1	%60.995
27	MP6	Z	25.9	%6.302
28	MP6	Z	25.9	%93.698
29	MP8	Z	11.8	%27.135
30	MP8	Z	11.8	%72.865
31	MP9	Z	5.9	%39.005
32	MP9	Z	5.9	%60.995
33	MP10	Z	12.7	%6.302
34	MP10	Z	12.7	%93.698
35	MP12	Z	5	%27.135
36	MP12	Z	5	%72.865

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.1	%39.005
2	MP1	X	-23.1	%60.995
3	MP2	X	-60.6	%6.302
4	MP2	X	-60.6	%93.698
5	MP4	X	-28.2	%27.135
6	MP4	X	-28.2	%72.865
7	MP5	X	-14.6	%39.005
8	MP5	X	-14.6	%60.995
9	MP6	X	-34.2	%6.302
10	MP6	X	-34.2	%93.698
11	MP8	X	-14.5	%27.135
12	MP8	X	-14.5	%72.865
13	MP9	X	-14.6	%39.005
14	MP9	X	-14.6	%60.995
15	MP10	X	-34.2	%6.302
16	MP10	X	-34.2	%93.698
17	MP12	X	-14.5	%27.135
18	MP12	X	-14.5	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-17.5	%39.005
2	MP1	X	-17.5	%60.995
3	MP2	X	-44.9	%6.302
4	MP2	X	-44.9	%93.698
5	MP4	X	-20.5	%27.135
6	MP4	X	-20.5	%72.865
7	MP5	X	-10.1	%39.005
8	MP5	X	-10.1	%60.995
9	MP6	X	-22	%6.302
10	MP6	X	-22	%93.698
11	MP8	X	-8.6	%27.135
12	MP8	X	-8.6	%72.865
13	MP9	X	-17.5	%39.005
14	MP9	X	-17.5	%60.995
15	MP10	X	-44.9	%6.302
16	MP10	X	-44.9	%93.698
17	MP12	X	-20.5	%27.135

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP12	X	-20.5	%72.865
19	MP1	Z	-10.1	%39.005
20	MP1	Z	-10.1	%60.995
21	MP2	Z	-25.9	%6.302
22	MP2	Z	-25.9	%93.698
23	MP4	Z	-11.8	%27.135
24	MP4	Z	-11.8	%72.865
25	MP5	Z	-5.9	%39.005
26	MP5	Z	-5.9	%60.995
27	MP6	Z	-12.7	%6.302
28	MP6	Z	-12.7	%93.698
29	MP8	Z	-5	%27.135
30	MP8	Z	-5	%72.865
31	MP9	Z	-10.1	%39.005
32	MP9	Z	-10.1	%60.995
33	MP10	Z	-25.9	%6.302
34	MP10	Z	-25.9	%93.698
35	MP12	Z	-11.8	%27.135
36	MP12	Z	-11.8	%72.865

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.3	%39.005
2	MP1	X	-7.3	%60.995
3	MP2	X	-17.1	%6.302
4	MP2	X	-17.1	%93.698
5	MP4	X	-7.2	%27.135
6	MP4	X	-7.2	%72.865
7	MP5	X	-7.3	%39.005
8	MP5	X	-7.3	%60.995
9	MP6	X	-17.1	%6.302
10	MP6	X	-17.1	%93.698
11	MP8	X	-7.2	%27.135
12	MP8	X	-7.2	%72.865
13	MP9	X	-11.6	%39.005
14	MP9	X	-11.6	%60.995
15	MP10	X	-30.3	%6.302
16	MP10	X	-30.3	%93.698
17	MP12	X	-14.1	%27.135
18	MP12	X	-14.1	%72.865
19	MP1	Z	-12.6	%39.005
20	MP1	Z	-12.6	%60.995
21	MP2	Z	-29.6	%6.302
22	MP2	Z	-29.6	%93.698
23	MP4	Z	-12.5	%27.135
24	MP4	Z	-12.5	%72.865
25	MP5	Z	-12.6	%39.005
26	MP5	Z	-12.6	%60.995
27	MP6	Z	-29.6	%6.302
28	MP6	Z	-29.6	%93.698
29	MP8	Z	-12.5	%27.135
30	MP8	Z	-12.5	%72.865
31	MP9	Z	-20	%39.005
32	MP9	Z	-20	%60.995
33	MP10	Z	-52.5	%6.302
34	MP10	Z	-52.5	%93.698

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
35	MP12	Z	-24.4	%27.135
36	MP12	Z	-24.4	%72.865

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	-11.7	%39.005
20	MP1	Z	-11.7	%60.995
21	MP2	Z	-25.4	%6.302
22	MP2	Z	-25.4	%93.698
23	MP4	Z	-9.9	%27.135
24	MP4	Z	-9.9	%72.865
25	MP5	Z	-20.3	%39.005
26	MP5	Z	-20.3	%60.995
27	MP6	Z	-51.8	%6.302
28	MP6	Z	-51.8	%93.698
29	MP8	Z	-23.6	%27.135
30	MP8	Z	-23.6	%72.865
31	MP9	Z	-20.3	%39.005
32	MP9	Z	-20.3	%60.995
33	MP10	Z	-51.8	%6.302
34	MP10	Z	-51.8	%93.698
35	MP12	Z	-23.6	%27.135
36	MP12	Z	-23.6	%72.865

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.3	%39.005
2	MP1	X	7.3	%60.995
3	MP2	X	17.1	%6.302
4	MP2	X	17.1	%93.698
5	MP4	X	7.2	%27.135
6	MP4	X	7.2	%72.865
7	MP5	X	11.6	%39.005
8	MP5	X	11.6	%60.995
9	MP6	X	30.3	%6.302
10	MP6	X	30.3	%93.698
11	MP8	X	14.1	%27.135
12	MP8	X	14.1	%72.865

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP9	X	7.3	%39.005
14	MP9	X	7.3	%60.995
15	MP10	X	17.1	%6.302
16	MP10	X	17.1	%93.698
17	MP12	X	7.2	%27.135
18	MP12	X	7.2	%72.865
19	MP1	Z	-12.6	%39.005
20	MP1	Z	-12.6	%60.995
21	MP2	Z	-29.6	%6.302
22	MP2	Z	-29.6	%93.698
23	MP4	Z	-12.5	%27.135
24	MP4	Z	-12.5	%72.865
25	MP5	Z	-20	%39.005
26	MP5	Z	-20	%60.995
27	MP6	Z	-52.5	%6.302
28	MP6	Z	-52.5	%93.698
29	MP8	Z	-24.4	%27.135
30	MP8	Z	-24.4	%72.865
31	MP9	Z	-12.6	%39.005
32	MP9	Z	-12.6	%60.995
33	MP10	Z	-29.6	%6.302
34	MP10	Z	-29.6	%93.698
35	MP12	Z	-12.5	%27.135
36	MP12	Z	-12.5	%72.865

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	17.5	%39.005
2	MP1	X	17.5	%60.995
3	MP2	X	44.9	%6.302
4	MP2	X	44.9	%93.698
5	MP4	X	20.5	%27.135
6	MP4	X	20.5	%72.865
7	MP5	X	17.5	%39.005
8	MP5	X	17.5	%60.995
9	MP6	X	44.9	%6.302
10	MP6	X	44.9	%93.698
11	MP8	X	20.5	%27.135
12	MP8	X	20.5	%72.865
13	MP9	X	10.1	%39.005
14	MP9	X	10.1	%60.995
15	MP10	X	22	%6.302
16	MP10	X	22	%93.698
17	MP12	X	8.6	%27.135
18	MP12	X	8.6	%72.865
19	MP1	Z	-10.1	%39.005
20	MP1	Z	-10.1	%60.995
21	MP2	Z	-25.9	%6.302
22	MP2	Z	-25.9	%93.698
23	MP4	Z	-11.8	%27.135
24	MP4	Z	-11.8	%72.865
25	MP5	Z	-10.1	%39.005
26	MP5	Z	-10.1	%60.995
27	MP6	Z	-25.9	%6.302
28	MP6	Z	-25.9	%93.698
29	MP8	Z	-11.8	%27.135

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
30	MP8	Z	-11.8	%72.865
31	MP9	Z	-5.9	%39.005
32	MP9	Z	-5.9	%60.995
33	MP10	Z	-12.7	%6.302
34	MP10	Z	-12.7	%93.698
35	MP12	Z	-5	%27.135
36	MP12	Z	-5	%72.865

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	57.3	%39.005
2	MP1	X	57.3	%60.995
3	MP2	X	75	%6.302
4	MP2	X	75	%93.698
5	MP4	X	20.4	%27.135
6	MP4	X	20.4	%72.865
7	MP5	X	57.3	%39.005
8	MP5	X	57.3	%60.995
9	MP6	X	75	%6.302
10	MP6	X	75	%93.698
11	MP8	X	20.4	%27.135
12	MP8	X	20.4	%72.865
13	MP9	X	57.3	%39.005
14	MP9	X	57.3	%60.995
15	MP10	X	75	%6.302
16	MP10	X	75	%93.698
17	MP12	X	20.4	%27.135
18	MP12	X	20.4	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	49.6	%39.005
2	MP1	X	49.6	%60.995
3	MP2	X	64.9	%6.302
4	MP2	X	64.9	%93.698
5	MP4	X	17.6	%27.135
6	MP4	X	17.6	%72.865
7	MP5	X	49.6	%39.005

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
8	MP5	X	49.6	%60.995
9	MP6	X	64.9	%6.302
10	MP6	X	64.9	%93.698
11	MP8	X	17.6	%27.135
12	MP8	X	17.6	%72.865
13	MP9	X	49.6	%39.005
14	MP9	X	49.6	%60.995
15	MP10	X	64.9	%6.302
16	MP10	X	64.9	%93.698
17	MP12	X	17.6	%27.135
18	MP12	X	17.6	%72.865
19	MP1	Z	28.7	%39.005
20	MP1	Z	28.7	%60.995
21	MP2	Z	37.5	%6.302
22	MP2	Z	37.5	%93.698
23	MP4	Z	10.2	%27.135
24	MP4	Z	10.2	%72.865
25	MP5	Z	28.7	%39.005
26	MP5	Z	28.7	%60.995
27	MP6	Z	37.5	%6.302
28	MP6	Z	37.5	%93.698
29	MP8	Z	10.2	%27.135
30	MP8	Z	10.2	%72.865
31	MP9	Z	28.7	%39.005
32	MP9	Z	28.7	%60.995
33	MP10	Z	37.5	%6.302
34	MP10	Z	37.5	%93.698
35	MP12	Z	10.2	%27.135
36	MP12	Z	10.2	%72.865

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	28.7	%39.005
2	MP1	X	28.7	%60.995
3	MP2	X	37.5	%6.302
4	MP2	X	37.5	%93.698
5	MP4	X	10.2	%27.135
6	MP4	X	10.2	%72.865
7	MP5	X	28.7	%39.005
8	MP5	X	28.7	%60.995
9	MP6	X	37.5	%6.302
10	MP6	X	37.5	%93.698
11	MP8	X	10.2	%27.135
12	MP8	X	10.2	%72.865
13	MP9	X	28.7	%39.005
14	MP9	X	28.7	%60.995
15	MP10	X	37.5	%6.302
16	MP10	X	37.5	%93.698
17	MP12	X	10.2	%27.135
18	MP12	X	10.2	%72.865
19	MP1	Z	49.6	%39.005
20	MP1	Z	49.6	%60.995
21	MP2	Z	64.9	%6.302
22	MP2	Z	64.9	%93.698
23	MP4	Z	17.6	%27.135
24	MP4	Z	17.6	%72.865

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
25	MP5	Z	49.6	%39.005
26	MP5	Z	49.6	%60.995
27	MP6	Z	64.9	%6.302
28	MP6	Z	64.9	%93.698
29	MP8	Z	17.6	%27.135
30	MP8	Z	17.6	%72.865
31	MP9	Z	49.6	%39.005
32	MP9	Z	49.6	%60.995
33	MP10	Z	64.9	%6.302
34	MP10	Z	64.9	%93.698
35	MP12	Z	17.6	%27.135
36	MP12	Z	17.6	%72.865

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	57.3	%39.005
20	MP1	Z	57.3	%60.995
21	MP2	Z	75	%6.302
22	MP2	Z	75	%93.698
23	MP4	Z	20.4	%27.135
24	MP4	Z	20.4	%72.865
25	MP5	Z	57.3	%39.005
26	MP5	Z	57.3	%60.995
27	MP6	Z	75	%6.302
28	MP6	Z	75	%93.698
29	MP8	Z	20.4	%27.135
30	MP8	Z	20.4	%72.865
31	MP9	Z	57.3	%39.005
32	MP9	Z	57.3	%60.995
33	MP10	Z	75	%6.302
34	MP10	Z	75	%93.698
35	MP12	Z	20.4	%27.135
36	MP12	Z	20.4	%72.865

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-28.7	%39.005
2	MP1	X	-28.7	%60.995

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP2	X	-37.5	%6.302
4	MP2	X	-37.5	%93.698
5	MP4	X	-10.2	%27.135
6	MP4	X	-10.2	%72.865
7	MP5	X	-28.7	%39.005
8	MP5	X	-28.7	%60.995
9	MP6	X	-37.5	%6.302
10	MP6	X	-37.5	%93.698
11	MP8	X	-10.2	%27.135
12	MP8	X	-10.2	%72.865
13	MP9	X	-28.7	%39.005
14	MP9	X	-28.7	%60.995
15	MP10	X	-37.5	%6.302
16	MP10	X	-37.5	%93.698
17	MP12	X	-10.2	%27.135
18	MP12	X	-10.2	%72.865
19	MP1	Z	49.6	%39.005
20	MP1	Z	49.6	%60.995
21	MP2	Z	64.9	%6.302
22	MP2	Z	64.9	%93.698
23	MP4	Z	17.6	%27.135
24	MP4	Z	17.6	%72.865
25	MP5	Z	49.6	%39.005
26	MP5	Z	49.6	%60.995
27	MP6	Z	64.9	%6.302
28	MP6	Z	64.9	%93.698
29	MP8	Z	17.6	%27.135
30	MP8	Z	17.6	%72.865
31	MP9	Z	49.6	%39.005
32	MP9	Z	49.6	%60.995
33	MP10	Z	64.9	%6.302
34	MP10	Z	64.9	%93.698
35	MP12	Z	17.6	%27.135
36	MP12	Z	17.6	%72.865

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-49.6	%39.005
2	MP1	X	-49.6	%60.995
3	MP2	X	-64.9	%6.302
4	MP2	X	-64.9	%93.698
5	MP4	X	-17.6	%27.135
6	MP4	X	-17.6	%72.865
7	MP5	X	-49.6	%39.005
8	MP5	X	-49.6	%60.995
9	MP6	X	-64.9	%6.302
10	MP6	X	-64.9	%93.698
11	MP8	X	-17.6	%27.135
12	MP8	X	-17.6	%72.865
13	MP9	X	-49.6	%39.005
14	MP9	X	-49.6	%60.995
15	MP10	X	-64.9	%6.302
16	MP10	X	-64.9	%93.698
17	MP12	X	-17.6	%27.135
18	MP12	X	-17.6	%72.865
19	MP1	Z	28.7	%39.005

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP1	Z	28.7	%60.995
21	MP2	Z	37.5	%6.302
22	MP2	Z	37.5	%93.698
23	MP4	Z	10.2	%27.135
24	MP4	Z	10.2	%72.865
25	MP5	Z	28.7	%39.005
26	MP5	Z	28.7	%60.995
27	MP6	Z	37.5	%6.302
28	MP6	Z	37.5	%93.698
29	MP8	Z	10.2	%27.135
30	MP8	Z	10.2	%72.865
31	MP9	Z	28.7	%39.005
32	MP9	Z	28.7	%60.995
33	MP10	Z	37.5	%6.302
34	MP10	Z	37.5	%93.698
35	MP12	Z	10.2	%27.135
36	MP12	Z	10.2	%72.865

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-57.3	%39.005
2	MP1	X	-57.3	%60.995
3	MP2	X	-75	%6.302
4	MP2	X	-75	%93.698
5	MP4	X	-20.4	%27.135
6	MP4	X	-20.4	%72.865
7	MP5	X	-57.3	%39.005
8	MP5	X	-57.3	%60.995
9	MP6	X	-75	%6.302
10	MP6	X	-75	%93.698
11	MP8	X	-20.4	%27.135
12	MP8	X	-20.4	%72.865
13	MP9	X	-57.3	%39.005
14	MP9	X	-57.3	%60.995
15	MP10	X	-75	%6.302
16	MP10	X	-75	%93.698
17	MP12	X	-20.4	%27.135
18	MP12	X	-20.4	%72.865
19	MP1	Z	0	0
20	MP1	Z	0	0
21	MP2	Z	0	0
22	MP2	Z	0	0
23	MP4	Z	0	0
24	MP4	Z	0	0
25	MP5	Z	0	0
26	MP5	Z	0	0
27	MP6	Z	0	0
28	MP6	Z	0	0
29	MP8	Z	0	0
30	MP8	Z	0	0
31	MP9	Z	0	0
32	MP9	Z	0	0
33	MP10	Z	0	0
34	MP10	Z	0	0
35	MP12	Z	0	0
36	MP12	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-49.6	%39.005
2	MP1	X	-49.6	%60.995
3	MP2	X	-64.9	%6.302
4	MP2	X	-64.9	%93.698
5	MP4	X	-17.6	%27.135
6	MP4	X	-17.6	%72.865
7	MP5	X	-49.6	%39.005
8	MP5	X	-49.6	%60.995
9	MP6	X	-64.9	%6.302
10	MP6	X	-64.9	%93.698
11	MP8	X	-17.6	%27.135
12	MP8	X	-17.6	%72.865
13	MP9	X	-49.6	%39.005
14	MP9	X	-49.6	%60.995
15	MP10	X	-64.9	%6.302
16	MP10	X	-64.9	%93.698
17	MP12	X	-17.6	%27.135
18	MP12	X	-17.6	%72.865
19	MP1	Z	-28.7	%39.005
20	MP1	Z	-28.7	%60.995
21	MP2	Z	-37.5	%6.302
22	MP2	Z	-37.5	%93.698
23	MP4	Z	-10.2	%27.135
24	MP4	Z	-10.2	%72.865
25	MP5	Z	-28.7	%39.005
26	MP5	Z	-28.7	%60.995
27	MP6	Z	-37.5	%6.302
28	MP6	Z	-37.5	%93.698
29	MP8	Z	-10.2	%27.135
30	MP8	Z	-10.2	%72.865
31	MP9	Z	-28.7	%39.005
32	MP9	Z	-28.7	%60.995
33	MP10	Z	-37.5	%6.302
34	MP10	Z	-37.5	%93.698
35	MP12	Z	-10.2	%27.135
36	MP12	Z	-10.2	%72.865

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-28.7	%39.005
2	MP1	X	-28.7	%60.995
3	MP2	X	-37.5	%6.302
4	MP2	X	-37.5	%93.698
5	MP4	X	-10.2	%27.135
6	MP4	X	-10.2	%72.865
7	MP5	X	-28.7	%39.005
8	MP5	X	-28.7	%60.995
9	MP6	X	-37.5	%6.302
10	MP6	X	-37.5	%93.698
11	MP8	X	-10.2	%27.135
12	MP8	X	-10.2	%72.865
13	MP9	X	-28.7	%39.005
14	MP9	X	-28.7	%60.995
15	MP10	X	-37.5	%6.302
16	MP10	X	-37.5	%93.698
17	MP12	X	-10.2	%27.135

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP12	X	-10.2	%72.865
19	MP1	Z	-49.6	%39.005
20	MP1	Z	-49.6	%60.995
21	MP2	Z	-64.9	%6.302
22	MP2	Z	-64.9	%93.698
23	MP4	Z	-17.6	%27.135
24	MP4	Z	-17.6	%72.865
25	MP5	Z	-49.6	%39.005
26	MP5	Z	-49.6	%60.995
27	MP6	Z	-64.9	%6.302
28	MP6	Z	-64.9	%93.698
29	MP8	Z	-17.6	%27.135
30	MP8	Z	-17.6	%72.865
31	MP9	Z	-49.6	%39.005
32	MP9	Z	-49.6	%60.995
33	MP10	Z	-64.9	%6.302
34	MP10	Z	-64.9	%93.698
35	MP12	Z	-17.6	%27.135
36	MP12	Z	-17.6	%72.865

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP2	X	0	0
4	MP2	X	0	0
5	MP4	X	0	0
6	MP4	X	0	0
7	MP5	X	0	0
8	MP5	X	0	0
9	MP6	X	0	0
10	MP6	X	0	0
11	MP8	X	0	0
12	MP8	X	0	0
13	MP9	X	0	0
14	MP9	X	0	0
15	MP10	X	0	0
16	MP10	X	0	0
17	MP12	X	0	0
18	MP12	X	0	0
19	MP1	Z	-57.3	%39.005
20	MP1	Z	-57.3	%60.995
21	MP2	Z	-75	%6.302
22	MP2	Z	-75	%93.698
23	MP4	Z	-20.4	%27.135
24	MP4	Z	-20.4	%72.865
25	MP5	Z	-57.3	%39.005
26	MP5	Z	-57.3	%60.995
27	MP6	Z	-75	%6.302
28	MP6	Z	-75	%93.698
29	MP8	Z	-20.4	%27.135
30	MP8	Z	-20.4	%72.865
31	MP9	Z	-57.3	%39.005
32	MP9	Z	-57.3	%60.995
33	MP10	Z	-75	%6.302
34	MP10	Z	-75	%93.698

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
35	MP12	Z	-20.4	%27.135
36	MP12	Z	-20.4	%72.865

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	28.7	%39.005
2	MP1	X	28.7	%60.995
3	MP2	X	37.5	%6.302
4	MP2	X	37.5	%93.698
5	MP4	X	10.2	%27.135
6	MP4	X	10.2	%72.865
7	MP5	X	28.7	%39.005
8	MP5	X	28.7	%60.995
9	MP6	X	37.5	%6.302
10	MP6	X	37.5	%93.698
11	MP8	X	10.2	%27.135
12	MP8	X	10.2	%72.865
13	MP9	X	28.7	%39.005
14	MP9	X	28.7	%60.995
15	MP10	X	37.5	%6.302
16	MP10	X	37.5	%93.698
17	MP12	X	10.2	%27.135
18	MP12	X	10.2	%72.865
19	MP1	Z	-49.6	%39.005
20	MP1	Z	-49.6	%60.995
21	MP2	Z	-64.9	%6.302
22	MP2	Z	-64.9	%93.698
23	MP4	Z	-17.6	%27.135
24	MP4	Z	-17.6	%72.865
25	MP5	Z	-49.6	%39.005
26	MP5	Z	-49.6	%60.995
27	MP6	Z	-64.9	%6.302
28	MP6	Z	-64.9	%93.698
29	MP8	Z	-17.6	%27.135
30	MP8	Z	-17.6	%72.865
31	MP9	Z	-49.6	%39.005
32	MP9	Z	-49.6	%60.995
33	MP10	Z	-64.9	%6.302
34	MP10	Z	-64.9	%93.698
35	MP12	Z	-17.6	%27.135
36	MP12	Z	-17.6	%72.865

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	49.6	%39.005
2	MP1	X	49.6	%60.995
3	MP2	X	64.9	%6.302
4	MP2	X	64.9	%93.698
5	MP4	X	17.6	%27.135
6	MP4	X	17.6	%72.865
7	MP5	X	49.6	%39.005
8	MP5	X	49.6	%60.995
9	MP6	X	64.9	%6.302
10	MP6	X	64.9	%93.698
11	MP8	X	17.6	%27.135
12	MP8	X	17.6	%72.865

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP9	X	49.6	%39.005
14	MP9	X	49.6	%60.995
15	MP10	X	64.9	%6.302
16	MP10	X	64.9	%93.698
17	MP12	X	17.6	%27.135
18	MP12	X	17.6	%72.865
19	MP1	Z	-28.7	%39.005
20	MP1	Z	-28.7	%60.995
21	MP2	Z	-37.5	%6.302
22	MP2	Z	-37.5	%93.698
23	MP4	Z	-10.2	%27.135
24	MP4	Z	-10.2	%72.865
25	MP5	Z	-28.7	%39.005
26	MP5	Z	-28.7	%60.995
27	MP6	Z	-37.5	%6.302
28	MP6	Z	-37.5	%93.698
29	MP8	Z	-10.2	%27.135
30	MP8	Z	-10.2	%72.865
31	MP9	Z	-28.7	%39.005
32	MP9	Z	-28.7	%60.995
33	MP10	Z	-37.5	%6.302
34	MP10	Z	-37.5	%93.698
35	MP12	Z	-10.2	%27.135
36	MP12	Z	-10.2	%72.865

Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	8.8	8.8	0	0
2	BRACE-2	X	8.8	8.8	0	0
3	BRACE-3	X	17.5	17.5	0	0
4	CONN-PL-60-1	X	25.9	25.9	0	0
5	CONN-PL-60-2	X	25.9	25.9	0	0
6	CONN-PL-90-1	X	29.9	29.9	0	0
7	CONN-PL-90-2	X	29.9	29.9	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	14.9	14.9	0	0
11	CONN-PL-210-2	X	14.9	14.9	0	0
12	CONN-PL-300-1	X	25.9	25.9	0	0
13	CONN-PL-300-2	X	25.9	25.9	0	0
14	CONN-PL-330-1	X	14.9	14.9	0	0
15	CONN-PL-330-2	X	14.9	14.9	0	0
16	COR-1	X	6.8	6.8	0	0
17	COR-2	X	6.8	6.8	0	0
18	COR-3	X	13.7	13.7	0	0
19	COR-PL-90-1	X	29.9	29.9	0	0
20	COR-PL-90-2	X	29.9	29.9	0	0
21	COR-PL-90-3	X	29.9	29.9	0	0
22	COR-PL-90-4	X	29.9	29.9	0	0
23	COR-PL-210-1	X	14.9	14.9	0	0
24	COR-PL-210-2	X	14.9	14.9	0	0
25	COR-PL-210-3	X	14.9	14.9	0	0
26	COR-PL-210-4	X	14.9	14.9	0	0
27	COR-PL-330-1	X	14.9	14.9	0	0
28	COR-PL-330-2	X	14.9	14.9	0	0

Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
29	COR-PL-330-3	X	14.9	14.9	0	0
30	COR-PL-330-4	X	14.9	14.9	0	0
31	FM-0	X	15.5	15.5	0	0
32	FM-120	X	7.7	7.7	0	0
33	FM-240	X	7.7	7.7	0	0
34	GRATE-H-90-1	X	16.6	16.6	0	0
35	GRATE-H-90-2	X	16.6	16.6	0	0
36	GRATE-H-210-1	X	8.3	8.3	0	0
37	GRATE-H-210-2	X	8.3	8.3	0	0
38	GRATE-H-330-1	X	8.3	8.3	0	0
39	GRATE-H-330-2	X	8.3	8.3	0	0
40	HR-0	X	11.9	11.9	0	0
41	HR-120	X	5.9	5.9	0	0
42	HR-240	X	5.9	5.9	0	0
43	KICK-1	X	33.9	33.9	0	0
44	KICK-2	X	33.9	33.9	0	0
45	KICK-3	X	33.9	33.9	0	0
46	KICK-PL-1	X	34.5	34.5	0	0
47	KICK-PL-2	X	39.9	39.9	0	0
48	KICK-PL-3	X	34.5	34.5	0	0
49	KICK-PL-4	X	39.9	39.9	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	39.9	39.9	0	0
52	SA-1	X	15.3	15.3	0	0
53	SA-2	X	15.3	15.3	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	0	0	0	0
63	CONN-PL-180-2	Z	0	0	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	0	0	0	0

Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
86	FM-120	Z	0	0	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	0	0	0	0
98	KICK-2	Z	0	0	0	0
99	KICK-3	Z	0	0	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	0	0	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	0	0	0	0
104	KICK-PL-5	Z	0	0	0	0
105	KICK-PL-6	Z	0	0	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	13.1	13.1	0	0
3	BRACE-3	X	13.1	13.1	0	0
4	CONN-PL-60-1	X	12.9	12.9	0	0
5	CONN-PL-60-2	X	12.9	12.9	0	0
6	CONN-PL-90-1	X	22.4	22.4	0	0
7	CONN-PL-90-2	X	22.4	22.4	0	0
8	CONN-PL-180-1	X	12.9	12.9	0	0
9	CONN-PL-180-2	X	12.9	12.9	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	25.9	25.9	0	0
13	CONN-PL-300-2	X	25.9	25.9	0	0
14	CONN-PL-330-1	X	22.4	22.4	0	0
15	CONN-PL-330-2	X	22.4	22.4	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	10.3	10.3	0	0
18	COR-3	X	10.3	10.3	0	0
19	COR-PL-90-1	X	22.4	22.4	0	0
20	COR-PL-90-2	X	22.4	22.4	0	0
21	COR-PL-90-3	X	22.4	22.4	0	0
22	COR-PL-90-4	X	22.4	22.4	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	22.4	22.4	0	0
28	COR-PL-330-2	X	22.4	22.4	0	0
29	COR-PL-330-3	X	22.4	22.4	0	0
30	COR-PL-330-4	X	22.4	22.4	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
31	FM-0	X	11.6	11.6	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	11.6	11.6	0	0
34	GRATE-H-90-1	X	12.5	12.5	0	0
35	GRATE-H-90-2	X	12.5	12.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	12.5	12.5	0	0
39	GRATE-H-330-2	X	12.5	12.5	0	0
40	HR-0	X	8.9	8.9	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	8.9	8.9	0	0
43	KICK-1	X	29.4	29.4	0	0
44	KICK-2	X	29.4	29.4	0	0
45	KICK-3	X	29.4	29.4	0	0
46	KICK-PL-1	X	34.5	34.5	0	0
47	KICK-PL-2	X	34.5	34.5	0	0
48	KICK-PL-3	X	17.3	17.3	0	0
49	KICK-PL-4	X	34.5	34.5	0	0
50	KICK-PL-5	X	17.3	17.3	0	0
51	KICK-PL-6	X	34.5	34.5	0	0
52	SA-1	X	15.3	15.3	0	0
53	SA-2	X	7.7	7.7	0	0
54	SA-3	X	7.7	7.7	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	7.6	7.6	0	0
57	BRACE-3	Z	7.6	7.6	0	0
58	CONN-PL-60-1	Z	7.5	7.5	0	0
59	CONN-PL-60-2	Z	7.5	7.5	0	0
60	CONN-PL-90-1	Z	12.9	12.9	0	0
61	CONN-PL-90-2	Z	12.9	12.9	0	0
62	CONN-PL-180-1	Z	7.5	7.5	0	0
63	CONN-PL-180-2	Z	7.5	7.5	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	14.9	14.9	0	0
67	CONN-PL-300-2	Z	14.9	14.9	0	0
68	CONN-PL-330-1	Z	12.9	12.9	0	0
69	CONN-PL-330-2	Z	12.9	12.9	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	5.9	5.9	0	0
72	COR-3	Z	5.9	5.9	0	0
73	COR-PL-90-1	Z	12.9	12.9	0	0
74	COR-PL-90-2	Z	12.9	12.9	0	0
75	COR-PL-90-3	Z	12.9	12.9	0	0
76	COR-PL-90-4	Z	12.9	12.9	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	12.9	12.9	0	0
82	COR-PL-330-2	Z	12.9	12.9	0	0
83	COR-PL-330-3	Z	12.9	12.9	0	0
84	COR-PL-330-4	Z	12.9	12.9	0	0
85	FM-0	Z	6.7	6.7	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	6.7	6.7	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
88	GRATE-H-90-1	Z	7.2	7.2	0	0
89	GRATE-H-90-2	Z	7.2	7.2	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	7.2	7.2	0	0
93	GRATE-H-330-2	Z	7.2	7.2	0	0
94	HR-0	Z	5.1	5.1	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	5.1	5.1	0	0
97	KICK-1	Z	17	17	0	0
98	KICK-2	Z	17	17	0	0
99	KICK-3	Z	17	17	0	0
100	KICK-PL-1	Z	19.9	19.9	0	0
101	KICK-PL-2	Z	19.9	19.9	0	0
102	KICK-PL-3	Z	10	10	0	0
103	KICK-PL-4	Z	19.9	19.9	0	0
104	KICK-PL-5	Z	10	10	0	0
105	KICK-PL-6	Z	19.9	19.9	0	0
106	SA-1	Z	8.9	8.9	0	0
107	SA-2	Z	4.4	4.4	0	0
108	SA-3	Z	4.4	4.4	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	4.4	4.4	0	0
2	BRACE-2	X	8.8	8.8	0	0
3	BRACE-3	X	4.4	4.4	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	7.5	7.5	0	0
7	CONN-PL-90-2	X	7.5	7.5	0	0
8	CONN-PL-180-1	X	12.9	12.9	0	0
9	CONN-PL-180-2	X	12.9	12.9	0	0
10	CONN-PL-210-1	X	7.5	7.5	0	0
11	CONN-PL-210-2	X	7.5	7.5	0	0
12	CONN-PL-300-1	X	12.9	12.9	0	0
13	CONN-PL-300-2	X	12.9	12.9	0	0
14	CONN-PL-330-1	X	14.9	14.9	0	0
15	CONN-PL-330-2	X	14.9	14.9	0	0
16	COR-1	X	3.4	3.4	0	0
17	COR-2	X	6.8	6.8	0	0
18	COR-3	X	3.4	3.4	0	0
19	COR-PL-90-1	X	7.5	7.5	0	0
20	COR-PL-90-2	X	7.5	7.5	0	0
21	COR-PL-90-3	X	7.5	7.5	0	0
22	COR-PL-90-4	X	7.5	7.5	0	0
23	COR-PL-210-1	X	7.5	7.5	0	0
24	COR-PL-210-2	X	7.5	7.5	0	0
25	COR-PL-210-3	X	7.5	7.5	0	0
26	COR-PL-210-4	X	7.5	7.5	0	0
27	COR-PL-330-1	X	14.9	14.9	0	0
28	COR-PL-330-2	X	14.9	14.9	0	0
29	COR-PL-330-3	X	14.9	14.9	0	0
30	COR-PL-330-4	X	14.9	14.9	0	0
31	FM-0	X	3.9	3.9	0	0
32	FM-120	X	3.9	3.9	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	FM-240	X	7.7	7.7	0	0
34	GRATE-H-90-1	X	4.2	4.2	0	0
35	GRATE-H-90-2	X	4.2	4.2	0	0
36	GRATE-H-210-1	X	4.2	4.2	0	0
37	GRATE-H-210-2	X	4.2	4.2	0	0
38	GRATE-H-330-1	X	8.3	8.3	0	0
39	GRATE-H-330-2	X	8.3	8.3	0	0
40	HR-0	X	3	3	0	0
41	HR-120	X	3	3	0	0
42	HR-240	X	5.9	5.9	0	0
43	KICK-1	X	17	17	0	0
44	KICK-2	X	17	17	0	0
45	KICK-3	X	17	17	0	0
46	KICK-PL-1	X	17.3	17.3	0	0
47	KICK-PL-2	X	19.9	19.9	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	19.9	19.9	0	0
50	KICK-PL-5	X	17.3	17.3	0	0
51	KICK-PL-6	X	19.9	19.9	0	0
52	SA-1	X	7.7	7.7	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	7.7	7.7	0	0
55	BRACE-1	Z	7.6	7.6	0	0
56	BRACE-2	Z	15.2	15.2	0	0
57	BRACE-3	Z	7.6	7.6	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	12.9	12.9	0	0
61	CONN-PL-90-2	Z	12.9	12.9	0	0
62	CONN-PL-180-1	Z	22.4	22.4	0	0
63	CONN-PL-180-2	Z	22.4	22.4	0	0
64	CONN-PL-210-1	Z	12.9	12.9	0	0
65	CONN-PL-210-2	Z	12.9	12.9	0	0
66	CONN-PL-300-1	Z	22.4	22.4	0	0
67	CONN-PL-300-2	Z	22.4	22.4	0	0
68	CONN-PL-330-1	Z	25.9	25.9	0	0
69	CONN-PL-330-2	Z	25.9	25.9	0	0
70	COR-1	Z	5.9	5.9	0	0
71	COR-2	Z	11.9	11.9	0	0
72	COR-3	Z	5.9	5.9	0	0
73	COR-PL-90-1	Z	12.9	12.9	0	0
74	COR-PL-90-2	Z	12.9	12.9	0	0
75	COR-PL-90-3	Z	12.9	12.9	0	0
76	COR-PL-90-4	Z	12.9	12.9	0	0
77	COR-PL-210-1	Z	12.9	12.9	0	0
78	COR-PL-210-2	Z	12.9	12.9	0	0
79	COR-PL-210-3	Z	12.9	12.9	0	0
80	COR-PL-210-4	Z	12.9	12.9	0	0
81	COR-PL-330-1	Z	25.9	25.9	0	0
82	COR-PL-330-2	Z	25.9	25.9	0	0
83	COR-PL-330-3	Z	25.9	25.9	0	0
84	COR-PL-330-4	Z	25.9	25.9	0	0
85	FM-0	Z	6.7	6.7	0	0
86	FM-120	Z	6.7	6.7	0	0
87	FM-240	Z	13.4	13.4	0	0
88	GRATE-H-90-1	Z	7.2	7.2	0	0
89	GRATE-H-90-2	Z	7.2	7.2	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
90	GRATE-H-210-1	Z	7.2	7.2	0	0
91	GRATE-H-210-2	Z	7.2	7.2	0	0
92	GRATE-H-330-1	Z	14.4	14.4	0	0
93	GRATE-H-330-2	Z	14.4	14.4	0	0
94	HR-0	Z	5.1	5.1	0	0
95	HR-120	Z	5.1	5.1	0	0
96	HR-240	Z	10.3	10.3	0	0
97	KICK-1	Z	29.4	29.4	0	0
98	KICK-2	Z	29.4	29.4	0	0
99	KICK-3	Z	29.4	29.4	0	0
100	KICK-PL-1	Z	29.9	29.9	0	0
101	KICK-PL-2	Z	34.5	34.5	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	34.5	34.5	0	0
104	KICK-PL-5	Z	29.9	29.9	0	0
105	KICK-PL-6	Z	34.5	34.5	0	0
106	SA-1	Z	13.3	13.3	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	13.3	13.3	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	0	0	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	0	0	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
35	GRATE-H-90-2	X	0	0	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	0	0	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	0	0	0	0
44	KICK-2	X	0	0	0	0
45	KICK-3	X	0	0	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	0	0	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	0	0	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	0	0	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	15.2	15.2	0	0
56	BRACE-2	Z	15.2	15.2	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	14.9	14.9	0	0
59	CONN-PL-60-2	Z	14.9	14.9	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	29.9	29.9	0	0
63	CONN-PL-180-2	Z	29.9	29.9	0	0
64	CONN-PL-210-1	Z	25.9	25.9	0	0
65	CONN-PL-210-2	Z	25.9	25.9	0	0
66	CONN-PL-300-1	Z	14.9	14.9	0	0
67	CONN-PL-300-2	Z	14.9	14.9	0	0
68	CONN-PL-330-1	Z	25.9	25.9	0	0
69	CONN-PL-330-2	Z	25.9	25.9	0	0
70	COR-1	Z	11.9	11.9	0	0
71	COR-2	Z	11.9	11.9	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	25.9	25.9	0	0
78	COR-PL-210-2	Z	25.9	25.9	0	0
79	COR-PL-210-3	Z	25.9	25.9	0	0
80	COR-PL-210-4	Z	25.9	25.9	0	0
81	COR-PL-330-1	Z	25.9	25.9	0	0
82	COR-PL-330-2	Z	25.9	25.9	0	0
83	COR-PL-330-3	Z	25.9	25.9	0	0
84	COR-PL-330-4	Z	25.9	25.9	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	13.4	13.4	0	0
87	FM-240	Z	13.4	13.4	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	14.4	14.4	0	0
91	GRATE-H-210-2	Z	14.4	14.4	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	GRATE-H-330-1	Z	14.4	14.4	0	0
93	GRATE-H-330-2	Z	14.4	14.4	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	10.3	10.3	0	0
96	HR-240	Z	10.3	10.3	0	0
97	KICK-1	Z	33.9	33.9	0	0
98	KICK-2	Z	33.9	33.9	0	0
99	KICK-3	Z	33.9	33.9	0	0
100	KICK-PL-1	Z	19.9	19.9	0	0
101	KICK-PL-2	Z	39.9	39.9	0	0
102	KICK-PL-3	Z	19.9	19.9	0	0
103	KICK-PL-4	Z	39.9	39.9	0	0
104	KICK-PL-5	Z	39.9	39.9	0	0
105	KICK-PL-6	Z	39.9	39.9	0	0
106	SA-1	Z	8.9	8.9	0	0
107	SA-2	Z	8.9	8.9	0	0
108	SA-3	Z	17.7	17.7	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-8.8	-8.8	0	0
2	BRACE-2	X	-4.4	-4.4	0	0
3	BRACE-3	X	-4.4	-4.4	0	0
4	CONN-PL-60-1	X	-12.9	-12.9	0	0
5	CONN-PL-60-2	X	-12.9	-12.9	0	0
6	CONN-PL-90-1	X	-7.5	-7.5	0	0
7	CONN-PL-90-2	X	-7.5	-7.5	0	0
8	CONN-PL-180-1	X	-12.9	-12.9	0	0
9	CONN-PL-180-2	X	-12.9	-12.9	0	0
10	CONN-PL-210-1	X	-14.9	-14.9	0	0
11	CONN-PL-210-2	X	-14.9	-14.9	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-7.5	-7.5	0	0
15	CONN-PL-330-2	X	-7.5	-7.5	0	0
16	COR-1	X	-6.8	-6.8	0	0
17	COR-2	X	-3.4	-3.4	0	0
18	COR-3	X	-3.4	-3.4	0	0
19	COR-PL-90-1	X	-7.5	-7.5	0	0
20	COR-PL-90-2	X	-7.5	-7.5	0	0
21	COR-PL-90-3	X	-7.5	-7.5	0	0
22	COR-PL-90-4	X	-7.5	-7.5	0	0
23	COR-PL-210-1	X	-14.9	-14.9	0	0
24	COR-PL-210-2	X	-14.9	-14.9	0	0
25	COR-PL-210-3	X	-14.9	-14.9	0	0
26	COR-PL-210-4	X	-14.9	-14.9	0	0
27	COR-PL-330-1	X	-7.5	-7.5	0	0
28	COR-PL-330-2	X	-7.5	-7.5	0	0
29	COR-PL-330-3	X	-7.5	-7.5	0	0
30	COR-PL-330-4	X	-7.5	-7.5	0	0
31	FM-0	X	-3.9	-3.9	0	0
32	FM-120	X	-7.7	-7.7	0	0
33	FM-240	X	-3.9	-3.9	0	0
34	GRATE-H-90-1	X	-4.2	-4.2	0	0
35	GRATE-H-90-2	X	-4.2	-4.2	0	0
36	GRATE-H-210-1	X	-8.3	-8.3	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
37	GRATE-H-210-2	X	-8.3	-8.3	0	0
38	GRATE-H-330-1	X	-4.2	-4.2	0	0
39	GRATE-H-330-2	X	-4.2	-4.2	0	0
40	HR-0	X	-3	-3	0	0
41	HR-120	X	-5.9	-5.9	0	0
42	HR-240	X	-3	-3	0	0
43	KICK-1	X	-17	-17	0	0
44	KICK-2	X	-17	-17	0	0
45	KICK-3	X	-17	-17	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-19.9	-19.9	0	0
48	KICK-PL-3	X	-17.3	-17.3	0	0
49	KICK-PL-4	X	-19.9	-19.9	0	0
50	KICK-PL-5	X	-17.3	-17.3	0	0
51	KICK-PL-6	X	-19.9	-19.9	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-7.7	-7.7	0	0
54	SA-3	X	-7.7	-7.7	0	0
55	BRACE-1	Z	15.2	15.2	0	0
56	BRACE-2	Z	7.6	7.6	0	0
57	BRACE-3	Z	7.6	7.6	0	0
58	CONN-PL-60-1	Z	22.4	22.4	0	0
59	CONN-PL-60-2	Z	22.4	22.4	0	0
60	CONN-PL-90-1	Z	12.9	12.9	0	0
61	CONN-PL-90-2	Z	12.9	12.9	0	0
62	CONN-PL-180-1	Z	22.4	22.4	0	0
63	CONN-PL-180-2	Z	22.4	22.4	0	0
64	CONN-PL-210-1	Z	25.9	25.9	0	0
65	CONN-PL-210-2	Z	25.9	25.9	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	12.9	12.9	0	0
69	CONN-PL-330-2	Z	12.9	12.9	0	0
70	COR-1	Z	11.9	11.9	0	0
71	COR-2	Z	5.9	5.9	0	0
72	COR-3	Z	5.9	5.9	0	0
73	COR-PL-90-1	Z	12.9	12.9	0	0
74	COR-PL-90-2	Z	12.9	12.9	0	0
75	COR-PL-90-3	Z	12.9	12.9	0	0
76	COR-PL-90-4	Z	12.9	12.9	0	0
77	COR-PL-210-1	Z	25.9	25.9	0	0
78	COR-PL-210-2	Z	25.9	25.9	0	0
79	COR-PL-210-3	Z	25.9	25.9	0	0
80	COR-PL-210-4	Z	25.9	25.9	0	0
81	COR-PL-330-1	Z	12.9	12.9	0	0
82	COR-PL-330-2	Z	12.9	12.9	0	0
83	COR-PL-330-3	Z	12.9	12.9	0	0
84	COR-PL-330-4	Z	12.9	12.9	0	0
85	FM-0	Z	6.7	6.7	0	0
86	FM-120	Z	13.4	13.4	0	0
87	FM-240	Z	6.7	6.7	0	0
88	GRATE-H-90-1	Z	7.2	7.2	0	0
89	GRATE-H-90-2	Z	7.2	7.2	0	0
90	GRATE-H-210-1	Z	14.4	14.4	0	0
91	GRATE-H-210-2	Z	14.4	14.4	0	0
92	GRATE-H-330-1	Z	7.2	7.2	0	0
93	GRATE-H-330-2	Z	7.2	7.2	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
94	HR-0	Z	5.1	5.1	0	0
95	HR-120	Z	10.3	10.3	0	0
96	HR-240	Z	5.1	5.1	0	0
97	KICK-1	Z	29.4	29.4	0	0
98	KICK-2	Z	29.4	29.4	0	0
99	KICK-3	Z	29.4	29.4	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	34.5	34.5	0	0
102	KICK-PL-3	Z	29.9	29.9	0	0
103	KICK-PL-4	Z	34.5	34.5	0	0
104	KICK-PL-5	Z	29.9	29.9	0	0
105	KICK-PL-6	Z	34.5	34.5	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	13.3	13.3	0	0
108	SA-3	Z	13.3	13.3	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-13.1	-13.1	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	-13.1	-13.1	0	0
4	CONN-PL-60-1	X	-25.9	-25.9	0	0
5	CONN-PL-60-2	X	-25.9	-25.9	0	0
6	CONN-PL-90-1	X	-22.4	-22.4	0	0
7	CONN-PL-90-2	X	-22.4	-22.4	0	0
8	CONN-PL-180-1	X	-12.9	-12.9	0	0
9	CONN-PL-180-2	X	-12.9	-12.9	0	0
10	CONN-PL-210-1	X	-22.4	-22.4	0	0
11	CONN-PL-210-2	X	-22.4	-22.4	0	0
12	CONN-PL-300-1	X	-12.9	-12.9	0	0
13	CONN-PL-300-2	X	-12.9	-12.9	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	-10.3	-10.3	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	-10.3	-10.3	0	0
19	COR-PL-90-1	X	-22.4	-22.4	0	0
20	COR-PL-90-2	X	-22.4	-22.4	0	0
21	COR-PL-90-3	X	-22.4	-22.4	0	0
22	COR-PL-90-4	X	-22.4	-22.4	0	0
23	COR-PL-210-1	X	-22.4	-22.4	0	0
24	COR-PL-210-2	X	-22.4	-22.4	0	0
25	COR-PL-210-3	X	-22.4	-22.4	0	0
26	COR-PL-210-4	X	-22.4	-22.4	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	-11.6	-11.6	0	0
32	FM-120	X	-11.6	-11.6	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	-12.5	-12.5	0	0
35	GRATE-H-90-2	X	-12.5	-12.5	0	0
36	GRATE-H-210-1	X	-12.5	-12.5	0	0
37	GRATE-H-210-2	X	-12.5	-12.5	0	0
38	GRATE-H-330-1	X	0	0	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	-8.9	-8.9	0	0
41	HR-120	X	-8.9	-8.9	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	-29.4	-29.4	0	0
44	KICK-2	X	-29.4	-29.4	0	0
45	KICK-3	X	-29.4	-29.4	0	0
46	KICK-PL-1	X	-17.3	-17.3	0	0
47	KICK-PL-2	X	-34.5	-34.5	0	0
48	KICK-PL-3	X	-34.5	-34.5	0	0
49	KICK-PL-4	X	-34.5	-34.5	0	0
50	KICK-PL-5	X	-17.3	-17.3	0	0
51	KICK-PL-6	X	-34.5	-34.5	0	0
52	SA-1	X	-7.7	-7.7	0	0
53	SA-2	X	-15.3	-15.3	0	0
54	SA-3	X	-7.7	-7.7	0	0
55	BRACE-1	Z	7.6	7.6	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	7.6	7.6	0	0
58	CONN-PL-60-1	Z	14.9	14.9	0	0
59	CONN-PL-60-2	Z	14.9	14.9	0	0
60	CONN-PL-90-1	Z	12.9	12.9	0	0
61	CONN-PL-90-2	Z	12.9	12.9	0	0
62	CONN-PL-180-1	Z	7.5	7.5	0	0
63	CONN-PL-180-2	Z	7.5	7.5	0	0
64	CONN-PL-210-1	Z	12.9	12.9	0	0
65	CONN-PL-210-2	Z	12.9	12.9	0	0
66	CONN-PL-300-1	Z	7.5	7.5	0	0
67	CONN-PL-300-2	Z	7.5	7.5	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	5.9	5.9	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	5.9	5.9	0	0
73	COR-PL-90-1	Z	12.9	12.9	0	0
74	COR-PL-90-2	Z	12.9	12.9	0	0
75	COR-PL-90-3	Z	12.9	12.9	0	0
76	COR-PL-90-4	Z	12.9	12.9	0	0
77	COR-PL-210-1	Z	12.9	12.9	0	0
78	COR-PL-210-2	Z	12.9	12.9	0	0
79	COR-PL-210-3	Z	12.9	12.9	0	0
80	COR-PL-210-4	Z	12.9	12.9	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	6.7	6.7	0	0
86	FM-120	Z	6.7	6.7	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	7.2	7.2	0	0
89	GRATE-H-90-2	Z	7.2	7.2	0	0
90	GRATE-H-210-1	Z	7.2	7.2	0	0
91	GRATE-H-210-2	Z	7.2	7.2	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	5.1	5.1	0	0
95	HR-120	Z	5.1	5.1	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	17	17	0	0
98	KICK-2	Z	17	17	0	0
99	KICK-3	Z	17	17	0	0
100	KICK-PL-1	Z	10	10	0	0
101	KICK-PL-2	Z	19.9	19.9	0	0
102	KICK-PL-3	Z	19.9	19.9	0	0
103	KICK-PL-4	Z	19.9	19.9	0	0
104	KICK-PL-5	Z	10	10	0	0
105	KICK-PL-6	Z	19.9	19.9	0	0
106	SA-1	Z	4.4	4.4	0	0
107	SA-2	Z	8.9	8.9	0	0
108	SA-3	Z	4.4	4.4	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-8.8	-8.8	0	0
2	BRACE-2	X	-8.8	-8.8	0	0
3	BRACE-3	X	-17.5	-17.5	0	0
4	CONN-PL-60-1	X	-25.9	-25.9	0	0
5	CONN-PL-60-2	X	-25.9	-25.9	0	0
6	CONN-PL-90-1	X	-29.9	-29.9	0	0
7	CONN-PL-90-2	X	-29.9	-29.9	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	-14.9	-14.9	0	0
11	CONN-PL-210-2	X	-14.9	-14.9	0	0
12	CONN-PL-300-1	X	-25.9	-25.9	0	0
13	CONN-PL-300-2	X	-25.9	-25.9	0	0
14	CONN-PL-330-1	X	-14.9	-14.9	0	0
15	CONN-PL-330-2	X	-14.9	-14.9	0	0
16	COR-1	X	-6.8	-6.8	0	0
17	COR-2	X	-6.8	-6.8	0	0
18	COR-3	X	-13.7	-13.7	0	0
19	COR-PL-90-1	X	-29.9	-29.9	0	0
20	COR-PL-90-2	X	-29.9	-29.9	0	0
21	COR-PL-90-3	X	-29.9	-29.9	0	0
22	COR-PL-90-4	X	-29.9	-29.9	0	0
23	COR-PL-210-1	X	-14.9	-14.9	0	0
24	COR-PL-210-2	X	-14.9	-14.9	0	0
25	COR-PL-210-3	X	-14.9	-14.9	0	0
26	COR-PL-210-4	X	-14.9	-14.9	0	0
27	COR-PL-330-1	X	-14.9	-14.9	0	0
28	COR-PL-330-2	X	-14.9	-14.9	0	0
29	COR-PL-330-3	X	-14.9	-14.9	0	0
30	COR-PL-330-4	X	-14.9	-14.9	0	0
31	FM-0	X	-15.5	-15.5	0	0
32	FM-120	X	-7.7	-7.7	0	0
33	FM-240	X	-7.7	-7.7	0	0
34	GRATE-H-90-1	X	-16.6	-16.6	0	0
35	GRATE-H-90-2	X	-16.6	-16.6	0	0
36	GRATE-H-210-1	X	-8.3	-8.3	0	0
37	GRATE-H-210-2	X	-8.3	-8.3	0	0
38	GRATE-H-330-1	X	-8.3	-8.3	0	0
39	GRATE-H-330-2	X	-8.3	-8.3	0	0
40	HR-0	X	-11.9	-11.9	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
41	HR-120	X	-5.9	-5.9	0	0
42	HR-240	X	-5.9	-5.9	0	0
43	KICK-1	X	-33.9	-33.9	0	0
44	KICK-2	X	-33.9	-33.9	0	0
45	KICK-3	X	-33.9	-33.9	0	0
46	KICK-PL-1	X	-34.5	-34.5	0	0
47	KICK-PL-2	X	-39.9	-39.9	0	0
48	KICK-PL-3	X	-34.5	-34.5	0	0
49	KICK-PL-4	X	-39.9	-39.9	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	-39.9	-39.9	0	0
52	SA-1	X	-15.3	-15.3	0	0
53	SA-2	X	-15.3	-15.3	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	0	0	0	0
63	CONN-PL-180-2	Z	0	0	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	0	0	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
98	KICK-2	Z	0	0	0	0
99	KICK-3	Z	0	0	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	0	0	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	0	0	0	0
104	KICK-PL-5	Z	0	0	0	0
105	KICK-PL-6	Z	0	0	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	-13.1	-13.1	0	0
3	BRACE-3	X	-13.1	-13.1	0	0
4	CONN-PL-60-1	X	-12.9	-12.9	0	0
5	CONN-PL-60-2	X	-12.9	-12.9	0	0
6	CONN-PL-90-1	X	-22.4	-22.4	0	0
7	CONN-PL-90-2	X	-22.4	-22.4	0	0
8	CONN-PL-180-1	X	-12.9	-12.9	0	0
9	CONN-PL-180-2	X	-12.9	-12.9	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	-25.9	-25.9	0	0
13	CONN-PL-300-2	X	-25.9	-25.9	0	0
14	CONN-PL-330-1	X	-22.4	-22.4	0	0
15	CONN-PL-330-2	X	-22.4	-22.4	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	-10.3	-10.3	0	0
18	COR-3	X	-10.3	-10.3	0	0
19	COR-PL-90-1	X	-22.4	-22.4	0	0
20	COR-PL-90-2	X	-22.4	-22.4	0	0
21	COR-PL-90-3	X	-22.4	-22.4	0	0
22	COR-PL-90-4	X	-22.4	-22.4	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	-22.4	-22.4	0	0
28	COR-PL-330-2	X	-22.4	-22.4	0	0
29	COR-PL-330-3	X	-22.4	-22.4	0	0
30	COR-PL-330-4	X	-22.4	-22.4	0	0
31	FM-0	X	-11.6	-11.6	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	-11.6	-11.6	0	0
34	GRATE-H-90-1	X	-12.5	-12.5	0	0
35	GRATE-H-90-2	X	-12.5	-12.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	-12.5	-12.5	0	0
39	GRATE-H-330-2	X	-12.5	-12.5	0	0
40	HR-0	X	-8.9	-8.9	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-8.9	-8.9	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	KICK-1	X	-29.4	-29.4	0	0
44	KICK-2	X	-29.4	-29.4	0	0
45	KICK-3	X	-29.4	-29.4	0	0
46	KICK-PL-1	X	-34.5	-34.5	0	0
47	KICK-PL-2	X	-34.5	-34.5	0	0
48	KICK-PL-3	X	-17.3	-17.3	0	0
49	KICK-PL-4	X	-34.5	-34.5	0	0
50	KICK-PL-5	X	-17.3	-17.3	0	0
51	KICK-PL-6	X	-34.5	-34.5	0	0
52	SA-1	X	-15.3	-15.3	0	0
53	SA-2	X	-7.7	-7.7	0	0
54	SA-3	X	-7.7	-7.7	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	-7.6	-7.6	0	0
57	BRACE-3	Z	-7.6	-7.6	0	0
58	CONN-PL-60-1	Z	-7.5	-7.5	0	0
59	CONN-PL-60-2	Z	-7.5	-7.5	0	0
60	CONN-PL-90-1	Z	-12.9	-12.9	0	0
61	CONN-PL-90-2	Z	-12.9	-12.9	0	0
62	CONN-PL-180-1	Z	-7.5	-7.5	0	0
63	CONN-PL-180-2	Z	-7.5	-7.5	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	-14.9	-14.9	0	0
67	CONN-PL-300-2	Z	-14.9	-14.9	0	0
68	CONN-PL-330-1	Z	-12.9	-12.9	0	0
69	CONN-PL-330-2	Z	-12.9	-12.9	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	-5.9	-5.9	0	0
72	COR-3	Z	-5.9	-5.9	0	0
73	COR-PL-90-1	Z	-12.9	-12.9	0	0
74	COR-PL-90-2	Z	-12.9	-12.9	0	0
75	COR-PL-90-3	Z	-12.9	-12.9	0	0
76	COR-PL-90-4	Z	-12.9	-12.9	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	-12.9	-12.9	0	0
82	COR-PL-330-2	Z	-12.9	-12.9	0	0
83	COR-PL-330-3	Z	-12.9	-12.9	0	0
84	COR-PL-330-4	Z	-12.9	-12.9	0	0
85	FM-0	Z	-6.7	-6.7	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	-6.7	-6.7	0	0
88	GRATE-H-90-1	Z	-7.2	-7.2	0	0
89	GRATE-H-90-2	Z	-7.2	-7.2	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	-7.2	-7.2	0	0
93	GRATE-H-330-2	Z	-7.2	-7.2	0	0
94	HR-0	Z	-5.1	-5.1	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	-5.1	-5.1	0	0
97	KICK-1	Z	-17	-17	0	0
98	KICK-2	Z	-17	-17	0	0
99	KICK-3	Z	-17	-17	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
100	KICK-PL-1	Z	-19.9	-19.9	0	0
101	KICK-PL-2	Z	-19.9	-19.9	0	0
102	KICK-PL-3	Z	-10	-10	0	0
103	KICK-PL-4	Z	-19.9	-19.9	0	0
104	KICK-PL-5	Z	-10	-10	0	0
105	KICK-PL-6	Z	-19.9	-19.9	0	0
106	SA-1	Z	-8.9	-8.9	0	0
107	SA-2	Z	-4.4	-4.4	0	0
108	SA-3	Z	-4.4	-4.4	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-4.4	-4.4	0	0
2	BRACE-2	X	-8.8	-8.8	0	0
3	BRACE-3	X	-4.4	-4.4	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-7.5	-7.5	0	0
7	CONN-PL-90-2	X	-7.5	-7.5	0	0
8	CONN-PL-180-1	X	-12.9	-12.9	0	0
9	CONN-PL-180-2	X	-12.9	-12.9	0	0
10	CONN-PL-210-1	X	-7.5	-7.5	0	0
11	CONN-PL-210-2	X	-7.5	-7.5	0	0
12	CONN-PL-300-1	X	-12.9	-12.9	0	0
13	CONN-PL-300-2	X	-12.9	-12.9	0	0
14	CONN-PL-330-1	X	-14.9	-14.9	0	0
15	CONN-PL-330-2	X	-14.9	-14.9	0	0
16	COR-1	X	-3.4	-3.4	0	0
17	COR-2	X	-6.8	-6.8	0	0
18	COR-3	X	-3.4	-3.4	0	0
19	COR-PL-90-1	X	-7.5	-7.5	0	0
20	COR-PL-90-2	X	-7.5	-7.5	0	0
21	COR-PL-90-3	X	-7.5	-7.5	0	0
22	COR-PL-90-4	X	-7.5	-7.5	0	0
23	COR-PL-210-1	X	-7.5	-7.5	0	0
24	COR-PL-210-2	X	-7.5	-7.5	0	0
25	COR-PL-210-3	X	-7.5	-7.5	0	0
26	COR-PL-210-4	X	-7.5	-7.5	0	0
27	COR-PL-330-1	X	-14.9	-14.9	0	0
28	COR-PL-330-2	X	-14.9	-14.9	0	0
29	COR-PL-330-3	X	-14.9	-14.9	0	0
30	COR-PL-330-4	X	-14.9	-14.9	0	0
31	FM-0	X	-3.9	-3.9	0	0
32	FM-120	X	-3.9	-3.9	0	0
33	FM-240	X	-7.7	-7.7	0	0
34	GRATE-H-90-1	X	-4.2	-4.2	0	0
35	GRATE-H-90-2	X	-4.2	-4.2	0	0
36	GRATE-H-210-1	X	-4.2	-4.2	0	0
37	GRATE-H-210-2	X	-4.2	-4.2	0	0
38	GRATE-H-330-1	X	-8.3	-8.3	0	0
39	GRATE-H-330-2	X	-8.3	-8.3	0	0
40	HR-0	X	-3	-3	0	0
41	HR-120	X	-3	-3	0	0
42	HR-240	X	-5.9	-5.9	0	0
43	KICK-1	X	-17	-17	0	0
44	KICK-2	X	-17	-17	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
45	KICK-3	X	-17	-17	0	0
46	KICK-PL-1	X	-17.3	-17.3	0	0
47	KICK-PL-2	X	-19.9	-19.9	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-19.9	-19.9	0	0
50	KICK-PL-5	X	-17.3	-17.3	0	0
51	KICK-PL-6	X	-19.9	-19.9	0	0
52	SA-1	X	-7.7	-7.7	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-7.7	-7.7	0	0
55	BRACE-1	Z	-7.6	-7.6	0	0
56	BRACE-2	Z	-15.2	-15.2	0	0
57	BRACE-3	Z	-7.6	-7.6	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	-12.9	-12.9	0	0
61	CONN-PL-90-2	Z	-12.9	-12.9	0	0
62	CONN-PL-180-1	Z	-22.4	-22.4	0	0
63	CONN-PL-180-2	Z	-22.4	-22.4	0	0
64	CONN-PL-210-1	Z	-12.9	-12.9	0	0
65	CONN-PL-210-2	Z	-12.9	-12.9	0	0
66	CONN-PL-300-1	Z	-22.4	-22.4	0	0
67	CONN-PL-300-2	Z	-22.4	-22.4	0	0
68	CONN-PL-330-1	Z	-25.9	-25.9	0	0
69	CONN-PL-330-2	Z	-25.9	-25.9	0	0
70	COR-1	Z	-5.9	-5.9	0	0
71	COR-2	Z	-11.9	-11.9	0	0
72	COR-3	Z	-5.9	-5.9	0	0
73	COR-PL-90-1	Z	-12.9	-12.9	0	0
74	COR-PL-90-2	Z	-12.9	-12.9	0	0
75	COR-PL-90-3	Z	-12.9	-12.9	0	0
76	COR-PL-90-4	Z	-12.9	-12.9	0	0
77	COR-PL-210-1	Z	-12.9	-12.9	0	0
78	COR-PL-210-2	Z	-12.9	-12.9	0	0
79	COR-PL-210-3	Z	-12.9	-12.9	0	0
80	COR-PL-210-4	Z	-12.9	-12.9	0	0
81	COR-PL-330-1	Z	-25.9	-25.9	0	0
82	COR-PL-330-2	Z	-25.9	-25.9	0	0
83	COR-PL-330-3	Z	-25.9	-25.9	0	0
84	COR-PL-330-4	Z	-25.9	-25.9	0	0
85	FM-0	Z	-6.7	-6.7	0	0
86	FM-120	Z	-6.7	-6.7	0	0
87	FM-240	Z	-13.4	-13.4	0	0
88	GRATE-H-90-1	Z	-7.2	-7.2	0	0
89	GRATE-H-90-2	Z	-7.2	-7.2	0	0
90	GRATE-H-210-1	Z	-7.2	-7.2	0	0
91	GRATE-H-210-2	Z	-7.2	-7.2	0	0
92	GRATE-H-330-1	Z	-14.4	-14.4	0	0
93	GRATE-H-330-2	Z	-14.4	-14.4	0	0
94	HR-0	Z	-5.1	-5.1	0	0
95	HR-120	Z	-5.1	-5.1	0	0
96	HR-240	Z	-10.3	-10.3	0	0
97	KICK-1	Z	-29.4	-29.4	0	0
98	KICK-2	Z	-29.4	-29.4	0	0
99	KICK-3	Z	-29.4	-29.4	0	0
100	KICK-PL-1	Z	-29.9	-29.9	0	0
101	KICK-PL-2	Z	-34.5	-34.5	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	-34.5	-34.5	0	0
104	KICK-PL-5	Z	-29.9	-29.9	0	0
105	KICK-PL-6	Z	-34.5	-34.5	0	0
106	SA-1	Z	-13.3	-13.3	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	-13.3	-13.3	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	0	0	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	0	0	0	0
35	GRATE-H-90-2	X	0	0	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	0	0	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	0	0	0	0
44	KICK-2	X	0	0	0	0
45	KICK-3	X	0	0	0	0
46	KICK-PL-1	X	0	0	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
47	KICK-PL-2	X	0	0	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	0	0	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	0	0	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	-15.2	-15.2	0	0
56	BRACE-2	Z	-15.2	-15.2	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	-14.9	-14.9	0	0
59	CONN-PL-60-2	Z	-14.9	-14.9	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	-29.9	-29.9	0	0
63	CONN-PL-180-2	Z	-29.9	-29.9	0	0
64	CONN-PL-210-1	Z	-25.9	-25.9	0	0
65	CONN-PL-210-2	Z	-25.9	-25.9	0	0
66	CONN-PL-300-1	Z	-14.9	-14.9	0	0
67	CONN-PL-300-2	Z	-14.9	-14.9	0	0
68	CONN-PL-330-1	Z	-25.9	-25.9	0	0
69	CONN-PL-330-2	Z	-25.9	-25.9	0	0
70	COR-1	Z	-11.9	-11.9	0	0
71	COR-2	Z	-11.9	-11.9	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	-25.9	-25.9	0	0
78	COR-PL-210-2	Z	-25.9	-25.9	0	0
79	COR-PL-210-3	Z	-25.9	-25.9	0	0
80	COR-PL-210-4	Z	-25.9	-25.9	0	0
81	COR-PL-330-1	Z	-25.9	-25.9	0	0
82	COR-PL-330-2	Z	-25.9	-25.9	0	0
83	COR-PL-330-3	Z	-25.9	-25.9	0	0
84	COR-PL-330-4	Z	-25.9	-25.9	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	-13.4	-13.4	0	0
87	FM-240	Z	-13.4	-13.4	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	-14.4	-14.4	0	0
91	GRATE-H-210-2	Z	-14.4	-14.4	0	0
92	GRATE-H-330-1	Z	-14.4	-14.4	0	0
93	GRATE-H-330-2	Z	-14.4	-14.4	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	-10.3	-10.3	0	0
96	HR-240	Z	-10.3	-10.3	0	0
97	KICK-1	Z	-33.9	-33.9	0	0
98	KICK-2	Z	-33.9	-33.9	0	0
99	KICK-3	Z	-33.9	-33.9	0	0
100	KICK-PL-1	Z	-19.9	-19.9	0	0
101	KICK-PL-2	Z	-39.9	-39.9	0	0
102	KICK-PL-3	Z	-19.9	-19.9	0	0
103	KICK-PL-4	Z	-39.9	-39.9	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
104	KICK-PL-5	Z	-39.9	-39.9	0	0
105	KICK-PL-6	Z	-39.9	-39.9	0	0
106	SA-1	Z	-8.9	-8.9	0	0
107	SA-2	Z	-8.9	-8.9	0	0
108	SA-3	Z	-17.7	-17.7	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	8.8	8.8	0	0
2	BRACE-2	X	4.4	4.4	0	0
3	BRACE-3	X	4.4	4.4	0	0
4	CONN-PL-60-1	X	12.9	12.9	0	0
5	CONN-PL-60-2	X	12.9	12.9	0	0
6	CONN-PL-90-1	X	7.5	7.5	0	0
7	CONN-PL-90-2	X	7.5	7.5	0	0
8	CONN-PL-180-1	X	12.9	12.9	0	0
9	CONN-PL-180-2	X	12.9	12.9	0	0
10	CONN-PL-210-1	X	14.9	14.9	0	0
11	CONN-PL-210-2	X	14.9	14.9	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	7.5	7.5	0	0
15	CONN-PL-330-2	X	7.5	7.5	0	0
16	COR-1	X	6.8	6.8	0	0
17	COR-2	X	3.4	3.4	0	0
18	COR-3	X	3.4	3.4	0	0
19	COR-PL-90-1	X	7.5	7.5	0	0
20	COR-PL-90-2	X	7.5	7.5	0	0
21	COR-PL-90-3	X	7.5	7.5	0	0
22	COR-PL-90-4	X	7.5	7.5	0	0
23	COR-PL-210-1	X	14.9	14.9	0	0
24	COR-PL-210-2	X	14.9	14.9	0	0
25	COR-PL-210-3	X	14.9	14.9	0	0
26	COR-PL-210-4	X	14.9	14.9	0	0
27	COR-PL-330-1	X	7.5	7.5	0	0
28	COR-PL-330-2	X	7.5	7.5	0	0
29	COR-PL-330-3	X	7.5	7.5	0	0
30	COR-PL-330-4	X	7.5	7.5	0	0
31	FM-0	X	3.9	3.9	0	0
32	FM-120	X	7.7	7.7	0	0
33	FM-240	X	3.9	3.9	0	0
34	GRATE-H-90-1	X	4.2	4.2	0	0
35	GRATE-H-90-2	X	4.2	4.2	0	0
36	GRATE-H-210-1	X	8.3	8.3	0	0
37	GRATE-H-210-2	X	8.3	8.3	0	0
38	GRATE-H-330-1	X	4.2	4.2	0	0
39	GRATE-H-330-2	X	4.2	4.2	0	0
40	HR-0	X	3	3	0	0
41	HR-120	X	5.9	5.9	0	0
42	HR-240	X	3	3	0	0
43	KICK-1	X	17	17	0	0
44	KICK-2	X	17	17	0	0
45	KICK-3	X	17	17	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	19.9	19.9	0	0
48	KICK-PL-3	X	17.3	17.3	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	KICK-PL-4	X	19.9	19.9	0	0
50	KICK-PL-5	X	17.3	17.3	0	0
51	KICK-PL-6	X	19.9	19.9	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	7.7	7.7	0	0
54	SA-3	X	7.7	7.7	0	0
55	BRACE-1	Z	-15.2	-15.2	0	0
56	BRACE-2	Z	-7.6	-7.6	0	0
57	BRACE-3	Z	-7.6	-7.6	0	0
58	CONN-PL-60-1	Z	-22.4	-22.4	0	0
59	CONN-PL-60-2	Z	-22.4	-22.4	0	0
60	CONN-PL-90-1	Z	-12.9	-12.9	0	0
61	CONN-PL-90-2	Z	-12.9	-12.9	0	0
62	CONN-PL-180-1	Z	-22.4	-22.4	0	0
63	CONN-PL-180-2	Z	-22.4	-22.4	0	0
64	CONN-PL-210-1	Z	-25.9	-25.9	0	0
65	CONN-PL-210-2	Z	-25.9	-25.9	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	-12.9	-12.9	0	0
69	CONN-PL-330-2	Z	-12.9	-12.9	0	0
70	COR-1	Z	-11.9	-11.9	0	0
71	COR-2	Z	-5.9	-5.9	0	0
72	COR-3	Z	-5.9	-5.9	0	0
73	COR-PL-90-1	Z	-12.9	-12.9	0	0
74	COR-PL-90-2	Z	-12.9	-12.9	0	0
75	COR-PL-90-3	Z	-12.9	-12.9	0	0
76	COR-PL-90-4	Z	-12.9	-12.9	0	0
77	COR-PL-210-1	Z	-25.9	-25.9	0	0
78	COR-PL-210-2	Z	-25.9	-25.9	0	0
79	COR-PL-210-3	Z	-25.9	-25.9	0	0
80	COR-PL-210-4	Z	-25.9	-25.9	0	0
81	COR-PL-330-1	Z	-12.9	-12.9	0	0
82	COR-PL-330-2	Z	-12.9	-12.9	0	0
83	COR-PL-330-3	Z	-12.9	-12.9	0	0
84	COR-PL-330-4	Z	-12.9	-12.9	0	0
85	FM-0	Z	-6.7	-6.7	0	0
86	FM-120	Z	-13.4	-13.4	0	0
87	FM-240	Z	-6.7	-6.7	0	0
88	GRATE-H-90-1	Z	-7.2	-7.2	0	0
89	GRATE-H-90-2	Z	-7.2	-7.2	0	0
90	GRATE-H-210-1	Z	-14.4	-14.4	0	0
91	GRATE-H-210-2	Z	-14.4	-14.4	0	0
92	GRATE-H-330-1	Z	-7.2	-7.2	0	0
93	GRATE-H-330-2	Z	-7.2	-7.2	0	0
94	HR-0	Z	-5.1	-5.1	0	0
95	HR-120	Z	-10.3	-10.3	0	0
96	HR-240	Z	-5.1	-5.1	0	0
97	KICK-1	Z	-29.4	-29.4	0	0
98	KICK-2	Z	-29.4	-29.4	0	0
99	KICK-3	Z	-29.4	-29.4	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	-34.5	-34.5	0	0
102	KICK-PL-3	Z	-29.9	-29.9	0	0
103	KICK-PL-4	Z	-34.5	-34.5	0	0
104	KICK-PL-5	Z	-29.9	-29.9	0	0
105	KICK-PL-6	Z	-34.5	-34.5	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
106	SA-1	Z	0	0	0	0
107	SA-2	Z	-13.3	-13.3	0	0
108	SA-3	Z	-13.3	-13.3	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	13.1	13.1	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	13.1	13.1	0	0
4	CONN-PL-60-1	X	25.9	25.9	0	0
5	CONN-PL-60-2	X	25.9	25.9	0	0
6	CONN-PL-90-1	X	22.4	22.4	0	0
7	CONN-PL-90-2	X	22.4	22.4	0	0
8	CONN-PL-180-1	X	12.9	12.9	0	0
9	CONN-PL-180-2	X	12.9	12.9	0	0
10	CONN-PL-210-1	X	22.4	22.4	0	0
11	CONN-PL-210-2	X	22.4	22.4	0	0
12	CONN-PL-300-1	X	12.9	12.9	0	0
13	CONN-PL-300-2	X	12.9	12.9	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	10.3	10.3	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	10.3	10.3	0	0
19	COR-PL-90-1	X	22.4	22.4	0	0
20	COR-PL-90-2	X	22.4	22.4	0	0
21	COR-PL-90-3	X	22.4	22.4	0	0
22	COR-PL-90-4	X	22.4	22.4	0	0
23	COR-PL-210-1	X	22.4	22.4	0	0
24	COR-PL-210-2	X	22.4	22.4	0	0
25	COR-PL-210-3	X	22.4	22.4	0	0
26	COR-PL-210-4	X	22.4	22.4	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	11.6	11.6	0	0
32	FM-120	X	11.6	11.6	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	12.5	12.5	0	0
35	GRATE-H-90-2	X	12.5	12.5	0	0
36	GRATE-H-210-1	X	12.5	12.5	0	0
37	GRATE-H-210-2	X	12.5	12.5	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	8.9	8.9	0	0
41	HR-120	X	8.9	8.9	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	29.4	29.4	0	0
44	KICK-2	X	29.4	29.4	0	0
45	KICK-3	X	29.4	29.4	0	0
46	KICK-PL-1	X	17.3	17.3	0	0
47	KICK-PL-2	X	34.5	34.5	0	0
48	KICK-PL-3	X	34.5	34.5	0	0
49	KICK-PL-4	X	34.5	34.5	0	0
50	KICK-PL-5	X	17.3	17.3	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
51	KICK-PL-6	X	34.5	34.5	0	0
52	SA-1	X	7.7	7.7	0	0
53	SA-2	X	15.3	15.3	0	0
54	SA-3	X	7.7	7.7	0	0
55	BRACE-1	Z	-7.6	-7.6	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	-7.6	-7.6	0	0
58	CONN-PL-60-1	Z	-14.9	-14.9	0	0
59	CONN-PL-60-2	Z	-14.9	-14.9	0	0
60	CONN-PL-90-1	Z	-12.9	-12.9	0	0
61	CONN-PL-90-2	Z	-12.9	-12.9	0	0
62	CONN-PL-180-1	Z	-7.5	-7.5	0	0
63	CONN-PL-180-2	Z	-7.5	-7.5	0	0
64	CONN-PL-210-1	Z	-12.9	-12.9	0	0
65	CONN-PL-210-2	Z	-12.9	-12.9	0	0
66	CONN-PL-300-1	Z	-7.5	-7.5	0	0
67	CONN-PL-300-2	Z	-7.5	-7.5	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	-5.9	-5.9	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	-5.9	-5.9	0	0
73	COR-PL-90-1	Z	-12.9	-12.9	0	0
74	COR-PL-90-2	Z	-12.9	-12.9	0	0
75	COR-PL-90-3	Z	-12.9	-12.9	0	0
76	COR-PL-90-4	Z	-12.9	-12.9	0	0
77	COR-PL-210-1	Z	-12.9	-12.9	0	0
78	COR-PL-210-2	Z	-12.9	-12.9	0	0
79	COR-PL-210-3	Z	-12.9	-12.9	0	0
80	COR-PL-210-4	Z	-12.9	-12.9	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	-6.7	-6.7	0	0
86	FM-120	Z	-6.7	-6.7	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	-7.2	-7.2	0	0
89	GRATE-H-90-2	Z	-7.2	-7.2	0	0
90	GRATE-H-210-1	Z	-7.2	-7.2	0	0
91	GRATE-H-210-2	Z	-7.2	-7.2	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	-5.1	-5.1	0	0
95	HR-120	Z	-5.1	-5.1	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	-17	-17	0	0
98	KICK-2	Z	-17	-17	0	0
99	KICK-3	Z	-17	-17	0	0
100	KICK-PL-1	Z	-10	-10	0	0
101	KICK-PL-2	Z	-19.9	-19.9	0	0
102	KICK-PL-3	Z	-19.9	-19.9	0	0
103	KICK-PL-4	Z	-19.9	-19.9	0	0
104	KICK-PL-5	Z	-10	-10	0	0
105	KICK-PL-6	Z	-19.9	-19.9	0	0
106	SA-1	Z	-4.4	-4.4	0	0
107	SA-2	Z	-8.9	-8.9	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
108	SA-3	Z	-4.4	-4.4	0	0

Member Distributed Loads (BLC 14 : Ice Load)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	Y	-15.6	-15.6	0	0
2	BRACE-2	Y	-15.6	-15.6	0	0
3	BRACE-3	Y	-15.6	-15.6	0	0
4	CONN-PL-60-1	Y	-16.4	-16.4	0	0
5	CONN-PL-60-2	Y	-16.4	-16.4	0	0
6	CONN-PL-90-1	Y	-16.4	-16.4	0	0
7	CONN-PL-90-2	Y	-16.4	-16.4	0	0
8	CONN-PL-180-1	Y	-16.4	-16.4	0	0
9	CONN-PL-180-2	Y	-16.4	-16.4	0	0
10	CONN-PL-210-1	Y	-16.4	-16.4	0	0
11	CONN-PL-210-2	Y	-16.4	-16.4	0	0
12	CONN-PL-300-1	Y	-16.4	-16.4	0	0
13	CONN-PL-300-2	Y	-16.4	-16.4	0	0
14	CONN-PL-330-1	Y	-16.4	-16.4	0	0
15	CONN-PL-330-2	Y	-16.4	-16.4	0	0
16	COR-1	Y	-11.1	-11.1	0	0
17	COR-2	Y	-11.1	-11.1	0	0
18	COR-3	Y	-11.1	-11.1	0	0
19	COR-PL-90-1	Y	-16.4	-16.4	0	0
20	COR-PL-90-2	Y	-16.4	-16.4	0	0
21	COR-PL-90-3	Y	-16.4	-16.4	0	0
22	COR-PL-90-4	Y	-16.4	-16.4	0	0
23	COR-PL-210-1	Y	-16.4	-16.4	0	0
24	COR-PL-210-2	Y	-16.4	-16.4	0	0
25	COR-PL-210-3	Y	-16.4	-16.4	0	0
26	COR-PL-210-4	Y	-16.4	-16.4	0	0
27	COR-PL-330-1	Y	-16.4	-16.4	0	0
28	COR-PL-330-2	Y	-16.4	-16.4	0	0
29	COR-PL-330-3	Y	-16.4	-16.4	0	0
30	COR-PL-330-4	Y	-16.4	-16.4	0	0
31	FM-0	Y	-11	-11	0	0
32	FM-120	Y	-11	-11	0	0
33	FM-240	Y	-11	-11	0	0
34	GRATE-H-90-1	Y	-9.6	-9.6	0	0
35	GRATE-H-90-2	Y	-9.6	-9.6	0	0
36	GRATE-H-210-1	Y	-9.6	-9.6	0	0
37	GRATE-H-210-2	Y	-9.6	-9.6	0	0
38	GRATE-H-330-1	Y	-9.6	-9.6	0	0
39	GRATE-H-330-2	Y	-9.6	-9.6	0	0
40	HR-0	Y	-8.7	-8.7	0	0
41	HR-120	Y	-8.7	-8.7	0	0
42	HR-240	Y	-8.7	-8.7	0	0
43	KICK-1	Y	-15.3	-15.3	0	0
44	KICK-2	Y	-15.3	-15.3	0	0
45	KICK-3	Y	-15.3	-15.3	0	0
46	KICK-PL-1	Y	-20.6	-20.6	0	0
47	KICK-PL-2	Y	-20.6	-20.6	0	0
48	KICK-PL-3	Y	-20.6	-20.6	0	0
49	KICK-PL-4	Y	-20.6	-20.6	0	0
50	KICK-PL-5	Y	-20.6	-20.6	0	0
51	KICK-PL-6	Y	-20.6	-20.6	0	0
52	SA-1	Y	-15.6	-15.6	0	0

Member Distributed Loads (BLC 14 : Ice Load) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
53	SA-2	Y	-15.6	-15.6	0	0
54	SA-3	Y	-15.6	-15.6	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	2.2	2.2	0	0
2	BRACE-2	X	2.2	2.2	0	0
3	BRACE-3	X	4.4	4.4	0	0
4	CONN-PL-60-1	X	5.1	5.1	0	0
5	CONN-PL-60-2	X	5.1	5.1	0	0
6	CONN-PL-90-1	X	5.9	5.9	0	0
7	CONN-PL-90-2	X	5.9	5.9	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	3	3	0	0
11	CONN-PL-210-2	X	3	3	0	0
12	CONN-PL-300-1	X	5.1	5.1	0	0
13	CONN-PL-300-2	X	5.1	5.1	0	0
14	CONN-PL-330-1	X	3	3	0	0
15	CONN-PL-330-2	X	3	3	0	0
16	COR-1	X	1.8	1.8	0	0
17	COR-2	X	1.8	1.8	0	0
18	COR-3	X	3.5	3.5	0	0
19	COR-PL-90-1	X	5.9	5.9	0	0
20	COR-PL-90-2	X	5.9	5.9	0	0
21	COR-PL-90-3	X	5.9	5.9	0	0
22	COR-PL-90-4	X	5.9	5.9	0	0
23	COR-PL-210-1	X	3	3	0	0
24	COR-PL-210-2	X	3	3	0	0
25	COR-PL-210-3	X	3	3	0	0
26	COR-PL-210-4	X	3	3	0	0
27	COR-PL-330-1	X	3	3	0	0
28	COR-PL-330-2	X	3	3	0	0
29	COR-PL-330-3	X	3	3	0	0
30	COR-PL-330-4	X	3	3	0	0
31	FM-0	X	4.7	4.7	0	0
32	FM-120	X	2.3	2.3	0	0
33	FM-240	X	2.3	2.3	0	0
34	GRATE-H-90-1	X	4.3	4.3	0	0
35	GRATE-H-90-2	X	4.3	4.3	0	0
36	GRATE-H-210-1	X	2.1	2.1	0	0
37	GRATE-H-210-2	X	2.1	2.1	0	0
38	GRATE-H-330-1	X	2.1	2.1	0	0
39	GRATE-H-330-2	X	2.1	2.1	0	0
40	HR-0	X	4.3	4.3	0	0
41	HR-120	X	2.2	2.2	0	0
42	HR-240	X	2.2	2.2	0	0
43	KICK-1	X	6.7	6.7	0	0
44	KICK-2	X	6.7	6.7	0	0
45	KICK-3	X	6.7	6.7	0	0
46	KICK-PL-1	X	6.4	6.4	0	0
47	KICK-PL-2	X	7.4	7.4	0	0
48	KICK-PL-3	X	6.4	6.4	0	0
49	KICK-PL-4	X	7.4	7.4	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	7.4	7.4	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
52	SA-1	X	3.8	3.8	0	0
53	SA-2	X	3.8	3.8	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	0	0	0	0
63	CONN-PL-180-2	Z	0	0	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	0	0	0	0
98	KICK-2	Z	0	0	0	0
99	KICK-3	Z	0	0	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	0	0	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	0	0	0	0
104	KICK-PL-5	Z	0	0	0	0
105	KICK-PL-6	Z	0	0	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	3.3	3.3	0	0
3	BRACE-3	X	3.3	3.3	0	0
4	CONN-PL-60-1	X	2.6	2.6	0	0
5	CONN-PL-60-2	X	2.6	2.6	0	0
6	CONN-PL-90-1	X	4.4	4.4	0	0
7	CONN-PL-90-2	X	4.4	4.4	0	0
8	CONN-PL-180-1	X	2.6	2.6	0	0
9	CONN-PL-180-2	X	2.6	2.6	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	5.1	5.1	0	0
13	CONN-PL-300-2	X	5.1	5.1	0	0
14	CONN-PL-330-1	X	4.4	4.4	0	0
15	CONN-PL-330-2	X	4.4	4.4	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	2.6	2.6	0	0
18	COR-3	X	2.6	2.6	0	0
19	COR-PL-90-1	X	4.4	4.4	0	0
20	COR-PL-90-2	X	4.4	4.4	0	0
21	COR-PL-90-3	X	4.4	4.4	0	0
22	COR-PL-90-4	X	4.4	4.4	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	4.4	4.4	0	0
28	COR-PL-330-2	X	4.4	4.4	0	0
29	COR-PL-330-3	X	4.4	4.4	0	0
30	COR-PL-330-4	X	4.4	4.4	0	0
31	FM-0	X	3.5	3.5	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	3.5	3.5	0	0
34	GRATE-H-90-1	X	3.2	3.2	0	0
35	GRATE-H-90-2	X	3.2	3.2	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	3.2	3.2	0	0
39	GRATE-H-330-2	X	3.2	3.2	0	0
40	HR-0	X	3.2	3.2	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	3.2	3.2	0	0
43	KICK-1	X	5.8	5.8	0	0
44	KICK-2	X	5.8	5.8	0	0
45	KICK-3	X	5.8	5.8	0	0
46	KICK-PL-1	X	6.4	6.4	0	0
47	KICK-PL-2	X	6.4	6.4	0	0
48	KICK-PL-3	X	3.2	3.2	0	0
49	KICK-PL-4	X	6.4	6.4	0	0
50	KICK-PL-5	X	3.2	3.2	0	0
51	KICK-PL-6	X	6.4	6.4	0	0
52	SA-1	X	3.8	3.8	0	0
53	SA-2	X	1.9	1.9	0	0
54	SA-3	X	1.9	1.9	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	1.9	1.9	0	0
57	BRACE-3	Z	1.9	1.9	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
58	CONN-PL-60-1	Z	1.5	1.5	0	0
59	CONN-PL-60-2	Z	1.5	1.5	0	0
60	CONN-PL-90-1	Z	2.6	2.6	0	0
61	CONN-PL-90-2	Z	2.6	2.6	0	0
62	CONN-PL-180-1	Z	1.5	1.5	0	0
63	CONN-PL-180-2	Z	1.5	1.5	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	3	3	0	0
67	CONN-PL-300-2	Z	3	3	0	0
68	CONN-PL-330-1	Z	2.6	2.6	0	0
69	CONN-PL-330-2	Z	2.6	2.6	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	1.5	1.5	0	0
72	COR-3	Z	1.5	1.5	0	0
73	COR-PL-90-1	Z	2.6	2.6	0	0
74	COR-PL-90-2	Z	2.6	2.6	0	0
75	COR-PL-90-3	Z	2.6	2.6	0	0
76	COR-PL-90-4	Z	2.6	2.6	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	2.6	2.6	0	0
82	COR-PL-330-2	Z	2.6	2.6	0	0
83	COR-PL-330-3	Z	2.6	2.6	0	0
84	COR-PL-330-4	Z	2.6	2.6	0	0
85	FM-0	Z	2	2	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	2	2	0	0
88	GRATE-H-90-1	Z	1.9	1.9	0	0
89	GRATE-H-90-2	Z	1.9	1.9	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	1.9	1.9	0	0
93	GRATE-H-330-2	Z	1.9	1.9	0	0
94	HR-0	Z	1.9	1.9	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	1.9	1.9	0	0
97	KICK-1	Z	3.3	3.3	0	0
98	KICK-2	Z	3.3	3.3	0	0
99	KICK-3	Z	3.3	3.3	0	0
100	KICK-PL-1	Z	3.7	3.7	0	0
101	KICK-PL-2	Z	3.7	3.7	0	0
102	KICK-PL-3	Z	1.8	1.8	0	0
103	KICK-PL-4	Z	3.7	3.7	0	0
104	KICK-PL-5	Z	1.8	1.8	0	0
105	KICK-PL-6	Z	3.7	3.7	0	0
106	SA-1	Z	2.2	2.2	0	0
107	SA-2	Z	1.1	1.1	0	0
108	SA-3	Z	1.1	1.1	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	1.1	1.1	0	0
2	BRACE-2	X	2.2	2.2	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
3	BRACE-3	X	1.1	1.1	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	1.5	1.5	0	0
7	CONN-PL-90-2	X	1.5	1.5	0	0
8	CONN-PL-180-1	X	2.6	2.6	0	0
9	CONN-PL-180-2	X	2.6	2.6	0	0
10	CONN-PL-210-1	X	1.5	1.5	0	0
11	CONN-PL-210-2	X	1.5	1.5	0	0
12	CONN-PL-300-1	X	2.6	2.6	0	0
13	CONN-PL-300-2	X	2.6	2.6	0	0
14	CONN-PL-330-1	X	3	3	0	0
15	CONN-PL-330-2	X	3	3	0	0
16	COR-1	X	.9	.9	0	0
17	COR-2	X	1.8	1.8	0	0
18	COR-3	X	.9	.9	0	0
19	COR-PL-90-1	X	1.5	1.5	0	0
20	COR-PL-90-2	X	1.5	1.5	0	0
21	COR-PL-90-3	X	1.5	1.5	0	0
22	COR-PL-90-4	X	1.5	1.5	0	0
23	COR-PL-210-1	X	1.5	1.5	0	0
24	COR-PL-210-2	X	1.5	1.5	0	0
25	COR-PL-210-3	X	1.5	1.5	0	0
26	COR-PL-210-4	X	1.5	1.5	0	0
27	COR-PL-330-1	X	3	3	0	0
28	COR-PL-330-2	X	3	3	0	0
29	COR-PL-330-3	X	3	3	0	0
30	COR-PL-330-4	X	3	3	0	0
31	FM-0	X	1.2	1.2	0	0
32	FM-120	X	1.2	1.2	0	0
33	FM-240	X	2.3	2.3	0	0
34	GRATE-H-90-1	X	1.1	1.1	0	0
35	GRATE-H-90-2	X	1.1	1.1	0	0
36	GRATE-H-210-1	X	1.1	1.1	0	0
37	GRATE-H-210-2	X	1.1	1.1	0	0
38	GRATE-H-330-1	X	2.1	2.1	0	0
39	GRATE-H-330-2	X	2.1	2.1	0	0
40	HR-0	X	1.1	1.1	0	0
41	HR-120	X	1.1	1.1	0	0
42	HR-240	X	2.2	2.2	0	0
43	KICK-1	X	3.3	3.3	0	0
44	KICK-2	X	3.3	3.3	0	0
45	KICK-3	X	3.3	3.3	0	0
46	KICK-PL-1	X	3.2	3.2	0	0
47	KICK-PL-2	X	3.7	3.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	3.7	3.7	0	0
50	KICK-PL-5	X	3.2	3.2	0	0
51	KICK-PL-6	X	3.7	3.7	0	0
52	SA-1	X	1.9	1.9	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	1.9	1.9	0	0
55	BRACE-1	Z	1.9	1.9	0	0
56	BRACE-2	Z	3.8	3.8	0	0
57	BRACE-3	Z	1.9	1.9	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	CONN-PL-90-1	Z	2.6	2.6	0	0
61	CONN-PL-90-2	Z	2.6	2.6	0	0
62	CONN-PL-180-1	Z	4.4	4.4	0	0
63	CONN-PL-180-2	Z	4.4	4.4	0	0
64	CONN-PL-210-1	Z	2.6	2.6	0	0
65	CONN-PL-210-2	Z	2.6	2.6	0	0
66	CONN-PL-300-1	Z	4.4	4.4	0	0
67	CONN-PL-300-2	Z	4.4	4.4	0	0
68	CONN-PL-330-1	Z	5.1	5.1	0	0
69	CONN-PL-330-2	Z	5.1	5.1	0	0
70	COR-1	Z	1.5	1.5	0	0
71	COR-2	Z	3.1	3.1	0	0
72	COR-3	Z	1.5	1.5	0	0
73	COR-PL-90-1	Z	2.6	2.6	0	0
74	COR-PL-90-2	Z	2.6	2.6	0	0
75	COR-PL-90-3	Z	2.6	2.6	0	0
76	COR-PL-90-4	Z	2.6	2.6	0	0
77	COR-PL-210-1	Z	2.6	2.6	0	0
78	COR-PL-210-2	Z	2.6	2.6	0	0
79	COR-PL-210-3	Z	2.6	2.6	0	0
80	COR-PL-210-4	Z	2.6	2.6	0	0
81	COR-PL-330-1	Z	5.1	5.1	0	0
82	COR-PL-330-2	Z	5.1	5.1	0	0
83	COR-PL-330-3	Z	5.1	5.1	0	0
84	COR-PL-330-4	Z	5.1	5.1	0	0
85	FM-0	Z	2	2	0	0
86	FM-120	Z	2	2	0	0
87	FM-240	Z	4.1	4.1	0	0
88	GRATE-H-90-1	Z	1.9	1.9	0	0
89	GRATE-H-90-2	Z	1.9	1.9	0	0
90	GRATE-H-210-1	Z	1.9	1.9	0	0
91	GRATE-H-210-2	Z	1.9	1.9	0	0
92	GRATE-H-330-1	Z	3.7	3.7	0	0
93	GRATE-H-330-2	Z	3.7	3.7	0	0
94	HR-0	Z	1.9	1.9	0	0
95	HR-120	Z	1.9	1.9	0	0
96	HR-240	Z	3.7	3.7	0	0
97	KICK-1	Z	5.8	5.8	0	0
98	KICK-2	Z	5.8	5.8	0	0
99	KICK-3	Z	5.8	5.8	0	0
100	KICK-PL-1	Z	5.5	5.5	0	0
101	KICK-PL-2	Z	6.4	6.4	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	6.4	6.4	0	0
104	KICK-PL-5	Z	5.5	5.5	0	0
105	KICK-PL-6	Z	6.4	6.4	0	0
106	SA-1	Z	3.3	3.3	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	3.3	3.3	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	0	0	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	0	0	0	0
35	GRATE-H-90-2	X	0	0	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	0	0	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	0	0	0	0
44	KICK-2	X	0	0	0	0
45	KICK-3	X	0	0	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	0	0	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	0	0	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	0	0	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	3.8	3.8	0	0
56	BRACE-2	Z	3.8	3.8	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	3	3	0	0
59	CONN-PL-60-2	Z	3	3	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
62	CONN-PL-180-1	Z	5.9	5.9	0	0
63	CONN-PL-180-2	Z	5.9	5.9	0	0
64	CONN-PL-210-1	Z	5.1	5.1	0	0
65	CONN-PL-210-2	Z	5.1	5.1	0	0
66	CONN-PL-300-1	Z	3	3	0	0
67	CONN-PL-300-2	Z	3	3	0	0
68	CONN-PL-330-1	Z	5.1	5.1	0	0
69	CONN-PL-330-2	Z	5.1	5.1	0	0
70	COR-1	Z	3.1	3.1	0	0
71	COR-2	Z	3.1	3.1	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	5.1	5.1	0	0
78	COR-PL-210-2	Z	5.1	5.1	0	0
79	COR-PL-210-3	Z	5.1	5.1	0	0
80	COR-PL-210-4	Z	5.1	5.1	0	0
81	COR-PL-330-1	Z	5.1	5.1	0	0
82	COR-PL-330-2	Z	5.1	5.1	0	0
83	COR-PL-330-3	Z	5.1	5.1	0	0
84	COR-PL-330-4	Z	5.1	5.1	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	4.1	4.1	0	0
87	FM-240	Z	4.1	4.1	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	3.7	3.7	0	0
91	GRATE-H-210-2	Z	3.7	3.7	0	0
92	GRATE-H-330-1	Z	3.7	3.7	0	0
93	GRATE-H-330-2	Z	3.7	3.7	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	3.7	3.7	0	0
96	HR-240	Z	3.7	3.7	0	0
97	KICK-1	Z	6.7	6.7	0	0
98	KICK-2	Z	6.7	6.7	0	0
99	KICK-3	Z	6.7	6.7	0	0
100	KICK-PL-1	Z	3.7	3.7	0	0
101	KICK-PL-2	Z	7.4	7.4	0	0
102	KICK-PL-3	Z	3.7	3.7	0	0
103	KICK-PL-4	Z	7.4	7.4	0	0
104	KICK-PL-5	Z	7.4	7.4	0	0
105	KICK-PL-6	Z	7.4	7.4	0	0
106	SA-1	Z	2.2	2.2	0	0
107	SA-2	Z	2.2	2.2	0	0
108	SA-3	Z	4.4	4.4	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-2.2	-2.2	0	0
2	BRACE-2	X	-1.1	-1.1	0	0
3	BRACE-3	X	-1.1	-1.1	0	0
4	CONN-PL-60-1	X	-2.6	-2.6	0	0
5	CONN-PL-60-2	X	-2.6	-2.6	0	0
6	CONN-PL-90-1	X	-1.5	-1.5	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
7	CONN-PL-90-2	X	-1.5	-1.5	0	0
8	CONN-PL-180-1	X	-2.6	-2.6	0	0
9	CONN-PL-180-2	X	-2.6	-2.6	0	0
10	CONN-PL-210-1	X	-3	-3	0	0
11	CONN-PL-210-2	X	-3	-3	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-1.5	-1.5	0	0
15	CONN-PL-330-2	X	-1.5	-1.5	0	0
16	COR-1	X	-1.8	-1.8	0	0
17	COR-2	X	-.9	-.9	0	0
18	COR-3	X	-.9	-.9	0	0
19	COR-PL-90-1	X	-1.5	-1.5	0	0
20	COR-PL-90-2	X	-1.5	-1.5	0	0
21	COR-PL-90-3	X	-1.5	-1.5	0	0
22	COR-PL-90-4	X	-1.5	-1.5	0	0
23	COR-PL-210-1	X	-3	-3	0	0
24	COR-PL-210-2	X	-3	-3	0	0
25	COR-PL-210-3	X	-3	-3	0	0
26	COR-PL-210-4	X	-3	-3	0	0
27	COR-PL-330-1	X	-1.5	-1.5	0	0
28	COR-PL-330-2	X	-1.5	-1.5	0	0
29	COR-PL-330-3	X	-1.5	-1.5	0	0
30	COR-PL-330-4	X	-1.5	-1.5	0	0
31	FM-0	X	-1.2	-1.2	0	0
32	FM-120	X	-2.3	-2.3	0	0
33	FM-240	X	-1.2	-1.2	0	0
34	GRATE-H-90-1	X	-1.1	-1.1	0	0
35	GRATE-H-90-2	X	-1.1	-1.1	0	0
36	GRATE-H-210-1	X	-2.1	-2.1	0	0
37	GRATE-H-210-2	X	-2.1	-2.1	0	0
38	GRATE-H-330-1	X	-1.1	-1.1	0	0
39	GRATE-H-330-2	X	-1.1	-1.1	0	0
40	HR-0	X	-1.1	-1.1	0	0
41	HR-120	X	-2.2	-2.2	0	0
42	HR-240	X	-1.1	-1.1	0	0
43	KICK-1	X	-3.3	-3.3	0	0
44	KICK-2	X	-3.3	-3.3	0	0
45	KICK-3	X	-3.3	-3.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-3.7	-3.7	0	0
48	KICK-PL-3	X	-3.2	-3.2	0	0
49	KICK-PL-4	X	-3.7	-3.7	0	0
50	KICK-PL-5	X	-3.2	-3.2	0	0
51	KICK-PL-6	X	-3.7	-3.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-1.9	-1.9	0	0
54	SA-3	X	-1.9	-1.9	0	0
55	BRACE-1	Z	3.8	3.8	0	0
56	BRACE-2	Z	1.9	1.9	0	0
57	BRACE-3	Z	1.9	1.9	0	0
58	CONN-PL-60-1	Z	4.4	4.4	0	0
59	CONN-PL-60-2	Z	4.4	4.4	0	0
60	CONN-PL-90-1	Z	2.6	2.6	0	0
61	CONN-PL-90-2	Z	2.6	2.6	0	0
62	CONN-PL-180-1	Z	4.4	4.4	0	0
63	CONN-PL-180-2	Z	4.4	4.4	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
64	CONN-PL-210-1	Z	5.1	5.1	0	0
65	CONN-PL-210-2	Z	5.1	5.1	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	2.6	2.6	0	0
69	CONN-PL-330-2	Z	2.6	2.6	0	0
70	COR-1	Z	3.1	3.1	0	0
71	COR-2	Z	1.5	1.5	0	0
72	COR-3	Z	1.5	1.5	0	0
73	COR-PL-90-1	Z	2.6	2.6	0	0
74	COR-PL-90-2	Z	2.6	2.6	0	0
75	COR-PL-90-3	Z	2.6	2.6	0	0
76	COR-PL-90-4	Z	2.6	2.6	0	0
77	COR-PL-210-1	Z	5.1	5.1	0	0
78	COR-PL-210-2	Z	5.1	5.1	0	0
79	COR-PL-210-3	Z	5.1	5.1	0	0
80	COR-PL-210-4	Z	5.1	5.1	0	0
81	COR-PL-330-1	Z	2.6	2.6	0	0
82	COR-PL-330-2	Z	2.6	2.6	0	0
83	COR-PL-330-3	Z	2.6	2.6	0	0
84	COR-PL-330-4	Z	2.6	2.6	0	0
85	FM-0	Z	2	2	0	0
86	FM-120	Z	4.1	4.1	0	0
87	FM-240	Z	2	2	0	0
88	GRATE-H-90-1	Z	1.9	1.9	0	0
89	GRATE-H-90-2	Z	1.9	1.9	0	0
90	GRATE-H-210-1	Z	3.7	3.7	0	0
91	GRATE-H-210-2	Z	3.7	3.7	0	0
92	GRATE-H-330-1	Z	1.9	1.9	0	0
93	GRATE-H-330-2	Z	1.9	1.9	0	0
94	HR-0	Z	1.9	1.9	0	0
95	HR-120	Z	3.7	3.7	0	0
96	HR-240	Z	1.9	1.9	0	0
97	KICK-1	Z	5.8	5.8	0	0
98	KICK-2	Z	5.8	5.8	0	0
99	KICK-3	Z	5.8	5.8	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	6.4	6.4	0	0
102	KICK-PL-3	Z	5.5	5.5	0	0
103	KICK-PL-4	Z	6.4	6.4	0	0
104	KICK-PL-5	Z	5.5	5.5	0	0
105	KICK-PL-6	Z	6.4	6.4	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	3.3	3.3	0	0
108	SA-3	Z	3.3	3.3	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-3.3	-3.3	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	-3.3	-3.3	0	0
4	CONN-PL-60-1	X	-5.1	-5.1	0	0
5	CONN-PL-60-2	X	-5.1	-5.1	0	0
6	CONN-PL-90-1	X	-4.4	-4.4	0	0
7	CONN-PL-90-2	X	-4.4	-4.4	0	0
8	CONN-PL-180-1	X	-2.6	-2.6	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
9	CONN-PL-180-2	X	-2.6	-2.6	0	0
10	CONN-PL-210-1	X	-4.4	-4.4	0	0
11	CONN-PL-210-2	X	-4.4	-4.4	0	0
12	CONN-PL-300-1	X	-2.6	-2.6	0	0
13	CONN-PL-300-2	X	-2.6	-2.6	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	-2.6	-2.6	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	-2.6	-2.6	0	0
19	COR-PL-90-1	X	-4.4	-4.4	0	0
20	COR-PL-90-2	X	-4.4	-4.4	0	0
21	COR-PL-90-3	X	-4.4	-4.4	0	0
22	COR-PL-90-4	X	-4.4	-4.4	0	0
23	COR-PL-210-1	X	-4.4	-4.4	0	0
24	COR-PL-210-2	X	-4.4	-4.4	0	0
25	COR-PL-210-3	X	-4.4	-4.4	0	0
26	COR-PL-210-4	X	-4.4	-4.4	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	-3.5	-3.5	0	0
32	FM-120	X	-3.5	-3.5	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	-3.2	-3.2	0	0
35	GRATE-H-90-2	X	-3.2	-3.2	0	0
36	GRATE-H-210-1	X	-3.2	-3.2	0	0
37	GRATE-H-210-2	X	-3.2	-3.2	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	-3.2	-3.2	0	0
41	HR-120	X	-3.2	-3.2	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	-5.8	-5.8	0	0
44	KICK-2	X	-5.8	-5.8	0	0
45	KICK-3	X	-5.8	-5.8	0	0
46	KICK-PL-1	X	-3.2	-3.2	0	0
47	KICK-PL-2	X	-6.4	-6.4	0	0
48	KICK-PL-3	X	-6.4	-6.4	0	0
49	KICK-PL-4	X	-6.4	-6.4	0	0
50	KICK-PL-5	X	-3.2	-3.2	0	0
51	KICK-PL-6	X	-6.4	-6.4	0	0
52	SA-1	X	-1.9	-1.9	0	0
53	SA-2	X	-3.8	-3.8	0	0
54	SA-3	X	-1.9	-1.9	0	0
55	BRACE-1	Z	1.9	1.9	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	1.9	1.9	0	0
58	CONN-PL-60-1	Z	3	3	0	0
59	CONN-PL-60-2	Z	3	3	0	0
60	CONN-PL-90-1	Z	2.6	2.6	0	0
61	CONN-PL-90-2	Z	2.6	2.6	0	0
62	CONN-PL-180-1	Z	1.5	1.5	0	0
63	CONN-PL-180-2	Z	1.5	1.5	0	0
64	CONN-PL-210-1	Z	2.6	2.6	0	0
65	CONN-PL-210-2	Z	2.6	2.6	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
66	CONN-PL-300-1	Z	1.5	1.5	0	0
67	CONN-PL-300-2	Z	1.5	1.5	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	1.5	1.5	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	1.5	1.5	0	0
73	COR-PL-90-1	Z	2.6	2.6	0	0
74	COR-PL-90-2	Z	2.6	2.6	0	0
75	COR-PL-90-3	Z	2.6	2.6	0	0
76	COR-PL-90-4	Z	2.6	2.6	0	0
77	COR-PL-210-1	Z	2.6	2.6	0	0
78	COR-PL-210-2	Z	2.6	2.6	0	0
79	COR-PL-210-3	Z	2.6	2.6	0	0
80	COR-PL-210-4	Z	2.6	2.6	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	2	2	0	0
86	FM-120	Z	2	2	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	1.9	1.9	0	0
89	GRATE-H-90-2	Z	1.9	1.9	0	0
90	GRATE-H-210-1	Z	1.9	1.9	0	0
91	GRATE-H-210-2	Z	1.9	1.9	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	1.9	1.9	0	0
95	HR-120	Z	1.9	1.9	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	3.3	3.3	0	0
98	KICK-2	Z	3.3	3.3	0	0
99	KICK-3	Z	3.3	3.3	0	0
100	KICK-PL-1	Z	1.8	1.8	0	0
101	KICK-PL-2	Z	3.7	3.7	0	0
102	KICK-PL-3	Z	3.7	3.7	0	0
103	KICK-PL-4	Z	3.7	3.7	0	0
104	KICK-PL-5	Z	1.8	1.8	0	0
105	KICK-PL-6	Z	3.7	3.7	0	0
106	SA-1	Z	1.1	1.1	0	0
107	SA-2	Z	2.2	2.2	0	0
108	SA-3	Z	1.1	1.1	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-2.2	-2.2	0	0
2	BRACE-2	X	-2.2	-2.2	0	0
3	BRACE-3	X	-4.4	-4.4	0	0
4	CONN-PL-60-1	X	-5.1	-5.1	0	0
5	CONN-PL-60-2	X	-5.1	-5.1	0	0
6	CONN-PL-90-1	X	-5.9	-5.9	0	0
7	CONN-PL-90-2	X	-5.9	-5.9	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	-3	-3	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	CONN-PL-210-2	X	-3	-3	0	0
12	CONN-PL-300-1	X	-5.1	-5.1	0	0
13	CONN-PL-300-2	X	-5.1	-5.1	0	0
14	CONN-PL-330-1	X	-3	-3	0	0
15	CONN-PL-330-2	X	-3	-3	0	0
16	COR-1	X	-1.8	-1.8	0	0
17	COR-2	X	-1.8	-1.8	0	0
18	COR-3	X	-3.5	-3.5	0	0
19	COR-PL-90-1	X	-5.9	-5.9	0	0
20	COR-PL-90-2	X	-5.9	-5.9	0	0
21	COR-PL-90-3	X	-5.9	-5.9	0	0
22	COR-PL-90-4	X	-5.9	-5.9	0	0
23	COR-PL-210-1	X	-3	-3	0	0
24	COR-PL-210-2	X	-3	-3	0	0
25	COR-PL-210-3	X	-3	-3	0	0
26	COR-PL-210-4	X	-3	-3	0	0
27	COR-PL-330-1	X	-3	-3	0	0
28	COR-PL-330-2	X	-3	-3	0	0
29	COR-PL-330-3	X	-3	-3	0	0
30	COR-PL-330-4	X	-3	-3	0	0
31	FM-0	X	-4.7	-4.7	0	0
32	FM-120	X	-2.3	-2.3	0	0
33	FM-240	X	-2.3	-2.3	0	0
34	GRATE-H-90-1	X	-4.3	-4.3	0	0
35	GRATE-H-90-2	X	-4.3	-4.3	0	0
36	GRATE-H-210-1	X	-2.1	-2.1	0	0
37	GRATE-H-210-2	X	-2.1	-2.1	0	0
38	GRATE-H-330-1	X	-2.1	-2.1	0	0
39	GRATE-H-330-2	X	-2.1	-2.1	0	0
40	HR-0	X	-4.3	-4.3	0	0
41	HR-120	X	-2.2	-2.2	0	0
42	HR-240	X	-2.2	-2.2	0	0
43	KICK-1	X	-6.7	-6.7	0	0
44	KICK-2	X	-6.7	-6.7	0	0
45	KICK-3	X	-6.7	-6.7	0	0
46	KICK-PL-1	X	-6.4	-6.4	0	0
47	KICK-PL-2	X	-7.4	-7.4	0	0
48	KICK-PL-3	X	-6.4	-6.4	0	0
49	KICK-PL-4	X	-7.4	-7.4	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	-7.4	-7.4	0	0
52	SA-1	X	-3.8	-3.8	0	0
53	SA-2	X	-3.8	-3.8	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	0	0	0	0
63	CONN-PL-180-2	Z	0	0	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	0	0	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	0	0	0	0
98	KICK-2	Z	0	0	0	0
99	KICK-3	Z	0	0	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	0	0	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	0	0	0	0
104	KICK-PL-5	Z	0	0	0	0
105	KICK-PL-6	Z	0	0	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	-3.3	-3.3	0	0
3	BRACE-3	X	-3.3	-3.3	0	0
4	CONN-PL-60-1	X	-2.6	-2.6	0	0
5	CONN-PL-60-2	X	-2.6	-2.6	0	0
6	CONN-PL-90-1	X	-4.4	-4.4	0	0
7	CONN-PL-90-2	X	-4.4	-4.4	0	0
8	CONN-PL-180-1	X	-2.6	-2.6	0	0
9	CONN-PL-180-2	X	-2.6	-2.6	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	-5.1	-5.1	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
13	CONN-PL-300-2	X	-5.1	-5.1	0	0
14	CONN-PL-330-1	X	-4.4	-4.4	0	0
15	CONN-PL-330-2	X	-4.4	-4.4	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	-2.6	-2.6	0	0
18	COR-3	X	-2.6	-2.6	0	0
19	COR-PL-90-1	X	-4.4	-4.4	0	0
20	COR-PL-90-2	X	-4.4	-4.4	0	0
21	COR-PL-90-3	X	-4.4	-4.4	0	0
22	COR-PL-90-4	X	-4.4	-4.4	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	-4.4	-4.4	0	0
28	COR-PL-330-2	X	-4.4	-4.4	0	0
29	COR-PL-330-3	X	-4.4	-4.4	0	0
30	COR-PL-330-4	X	-4.4	-4.4	0	0
31	FM-0	X	-3.5	-3.5	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	-3.5	-3.5	0	0
34	GRATE-H-90-1	X	-3.2	-3.2	0	0
35	GRATE-H-90-2	X	-3.2	-3.2	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	-3.2	-3.2	0	0
39	GRATE-H-330-2	X	-3.2	-3.2	0	0
40	HR-0	X	-3.2	-3.2	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-3.2	-3.2	0	0
43	KICK-1	X	-5.8	-5.8	0	0
44	KICK-2	X	-5.8	-5.8	0	0
45	KICK-3	X	-5.8	-5.8	0	0
46	KICK-PL-1	X	-6.4	-6.4	0	0
47	KICK-PL-2	X	-6.4	-6.4	0	0
48	KICK-PL-3	X	-3.2	-3.2	0	0
49	KICK-PL-4	X	-6.4	-6.4	0	0
50	KICK-PL-5	X	-3.2	-3.2	0	0
51	KICK-PL-6	X	-6.4	-6.4	0	0
52	SA-1	X	-3.8	-3.8	0	0
53	SA-2	X	-1.9	-1.9	0	0
54	SA-3	X	-1.9	-1.9	0	0
55	BRACE-1	Z	0	0	0	0
56	BRACE-2	Z	-1.9	-1.9	0	0
57	BRACE-3	Z	-1.9	-1.9	0	0
58	CONN-PL-60-1	Z	-1.5	-1.5	0	0
59	CONN-PL-60-2	Z	-1.5	-1.5	0	0
60	CONN-PL-90-1	Z	-2.6	-2.6	0	0
61	CONN-PL-90-2	Z	-2.6	-2.6	0	0
62	CONN-PL-180-1	Z	-1.5	-1.5	0	0
63	CONN-PL-180-2	Z	-1.5	-1.5	0	0
64	CONN-PL-210-1	Z	0	0	0	0
65	CONN-PL-210-2	Z	0	0	0	0
66	CONN-PL-300-1	Z	-3	-3	0	0
67	CONN-PL-300-2	Z	-3	-3	0	0
68	CONN-PL-330-1	Z	-2.6	-2.6	0	0
69	CONN-PL-330-2	Z	-2.6	-2.6	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
70	COR-1	Z	0	0	0	0
71	COR-2	Z	-1.5	-1.5	0	0
72	COR-3	Z	-1.5	-1.5	0	0
73	COR-PL-90-1	Z	-2.6	-2.6	0	0
74	COR-PL-90-2	Z	-2.6	-2.6	0	0
75	COR-PL-90-3	Z	-2.6	-2.6	0	0
76	COR-PL-90-4	Z	-2.6	-2.6	0	0
77	COR-PL-210-1	Z	0	0	0	0
78	COR-PL-210-2	Z	0	0	0	0
79	COR-PL-210-3	Z	0	0	0	0
80	COR-PL-210-4	Z	0	0	0	0
81	COR-PL-330-1	Z	-2.6	-2.6	0	0
82	COR-PL-330-2	Z	-2.6	-2.6	0	0
83	COR-PL-330-3	Z	-2.6	-2.6	0	0
84	COR-PL-330-4	Z	-2.6	-2.6	0	0
85	FM-0	Z	-2	-2	0	0
86	FM-120	Z	0	0	0	0
87	FM-240	Z	-2	-2	0	0
88	GRATE-H-90-1	Z	-1.9	-1.9	0	0
89	GRATE-H-90-2	Z	-1.9	-1.9	0	0
90	GRATE-H-210-1	Z	0	0	0	0
91	GRATE-H-210-2	Z	0	0	0	0
92	GRATE-H-330-1	Z	-1.9	-1.9	0	0
93	GRATE-H-330-2	Z	-1.9	-1.9	0	0
94	HR-0	Z	-1.9	-1.9	0	0
95	HR-120	Z	0	0	0	0
96	HR-240	Z	-1.9	-1.9	0	0
97	KICK-1	Z	-3.3	-3.3	0	0
98	KICK-2	Z	-3.3	-3.3	0	0
99	KICK-3	Z	-3.3	-3.3	0	0
100	KICK-PL-1	Z	-3.7	-3.7	0	0
101	KICK-PL-2	Z	-3.7	-3.7	0	0
102	KICK-PL-3	Z	-1.8	-1.8	0	0
103	KICK-PL-4	Z	-3.7	-3.7	0	0
104	KICK-PL-5	Z	-1.8	-1.8	0	0
105	KICK-PL-6	Z	-3.7	-3.7	0	0
106	SA-1	Z	-2.2	-2.2	0	0
107	SA-2	Z	-1.1	-1.1	0	0
108	SA-3	Z	-1.1	-1.1	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	-1.1	-1.1	0	0
2	BRACE-2	X	-2.2	-2.2	0	0
3	BRACE-3	X	-1.1	-1.1	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-1.5	-1.5	0	0
7	CONN-PL-90-2	X	-1.5	-1.5	0	0
8	CONN-PL-180-1	X	-2.6	-2.6	0	0
9	CONN-PL-180-2	X	-2.6	-2.6	0	0
10	CONN-PL-210-1	X	-1.5	-1.5	0	0
11	CONN-PL-210-2	X	-1.5	-1.5	0	0
12	CONN-PL-300-1	X	-2.6	-2.6	0	0
13	CONN-PL-300-2	X	-2.6	-2.6	0	0
14	CONN-PL-330-1	X	-3	-3	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
15	CONN-PL-330-2	X	-3	-3	0	0
16	COR-1	X	-.9	-.9	0	0
17	COR-2	X	-1.8	-1.8	0	0
18	COR-3	X	-.9	-.9	0	0
19	COR-PL-90-1	X	-1.5	-1.5	0	0
20	COR-PL-90-2	X	-1.5	-1.5	0	0
21	COR-PL-90-3	X	-1.5	-1.5	0	0
22	COR-PL-90-4	X	-1.5	-1.5	0	0
23	COR-PL-210-1	X	-1.5	-1.5	0	0
24	COR-PL-210-2	X	-1.5	-1.5	0	0
25	COR-PL-210-3	X	-1.5	-1.5	0	0
26	COR-PL-210-4	X	-1.5	-1.5	0	0
27	COR-PL-330-1	X	-3	-3	0	0
28	COR-PL-330-2	X	-3	-3	0	0
29	COR-PL-330-3	X	-3	-3	0	0
30	COR-PL-330-4	X	-3	-3	0	0
31	FM-0	X	-1.2	-1.2	0	0
32	FM-120	X	-1.2	-1.2	0	0
33	FM-240	X	-2.3	-2.3	0	0
34	GRATE-H-90-1	X	-1.1	-1.1	0	0
35	GRATE-H-90-2	X	-1.1	-1.1	0	0
36	GRATE-H-210-1	X	-1.1	-1.1	0	0
37	GRATE-H-210-2	X	-1.1	-1.1	0	0
38	GRATE-H-330-1	X	-2.1	-2.1	0	0
39	GRATE-H-330-2	X	-2.1	-2.1	0	0
40	HR-0	X	-1.1	-1.1	0	0
41	HR-120	X	-1.1	-1.1	0	0
42	HR-240	X	-2.2	-2.2	0	0
43	KICK-1	X	-3.3	-3.3	0	0
44	KICK-2	X	-3.3	-3.3	0	0
45	KICK-3	X	-3.3	-3.3	0	0
46	KICK-PL-1	X	-3.2	-3.2	0	0
47	KICK-PL-2	X	-3.7	-3.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-3.7	-3.7	0	0
50	KICK-PL-5	X	-3.2	-3.2	0	0
51	KICK-PL-6	X	-3.7	-3.7	0	0
52	SA-1	X	-1.9	-1.9	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-1.9	-1.9	0	0
55	BRACE-1	Z	-1.9	-1.9	0	0
56	BRACE-2	Z	-3.8	-3.8	0	0
57	BRACE-3	Z	-1.9	-1.9	0	0
58	CONN-PL-60-1	Z	0	0	0	0
59	CONN-PL-60-2	Z	0	0	0	0
60	CONN-PL-90-1	Z	-2.6	-2.6	0	0
61	CONN-PL-90-2	Z	-2.6	-2.6	0	0
62	CONN-PL-180-1	Z	-4.4	-4.4	0	0
63	CONN-PL-180-2	Z	-4.4	-4.4	0	0
64	CONN-PL-210-1	Z	-2.6	-2.6	0	0
65	CONN-PL-210-2	Z	-2.6	-2.6	0	0
66	CONN-PL-300-1	Z	-4.4	-4.4	0	0
67	CONN-PL-300-2	Z	-4.4	-4.4	0	0
68	CONN-PL-330-1	Z	-5.1	-5.1	0	0
69	CONN-PL-330-2	Z	-5.1	-5.1	0	0
70	COR-1	Z	-1.5	-1.5	0	0
71	COR-2	Z	-3.1	-3.1	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
72	COR-3	Z	-1.5	-1.5	0	0
73	COR-PL-90-1	Z	-2.6	-2.6	0	0
74	COR-PL-90-2	Z	-2.6	-2.6	0	0
75	COR-PL-90-3	Z	-2.6	-2.6	0	0
76	COR-PL-90-4	Z	-2.6	-2.6	0	0
77	COR-PL-210-1	Z	-2.6	-2.6	0	0
78	COR-PL-210-2	Z	-2.6	-2.6	0	0
79	COR-PL-210-3	Z	-2.6	-2.6	0	0
80	COR-PL-210-4	Z	-2.6	-2.6	0	0
81	COR-PL-330-1	Z	-5.1	-5.1	0	0
82	COR-PL-330-2	Z	-5.1	-5.1	0	0
83	COR-PL-330-3	Z	-5.1	-5.1	0	0
84	COR-PL-330-4	Z	-5.1	-5.1	0	0
85	FM-0	Z	-2	-2	0	0
86	FM-120	Z	-2	-2	0	0
87	FM-240	Z	-4.1	-4.1	0	0
88	GRATE-H-90-1	Z	-1.9	-1.9	0	0
89	GRATE-H-90-2	Z	-1.9	-1.9	0	0
90	GRATE-H-210-1	Z	-1.9	-1.9	0	0
91	GRATE-H-210-2	Z	-1.9	-1.9	0	0
92	GRATE-H-330-1	Z	-3.7	-3.7	0	0
93	GRATE-H-330-2	Z	-3.7	-3.7	0	0
94	HR-0	Z	-1.9	-1.9	0	0
95	HR-120	Z	-1.9	-1.9	0	0
96	HR-240	Z	-3.7	-3.7	0	0
97	KICK-1	Z	-5.8	-5.8	0	0
98	KICK-2	Z	-5.8	-5.8	0	0
99	KICK-3	Z	-5.8	-5.8	0	0
100	KICK-PL-1	Z	-5.5	-5.5	0	0
101	KICK-PL-2	Z	-6.4	-6.4	0	0
102	KICK-PL-3	Z	0	0	0	0
103	KICK-PL-4	Z	-6.4	-6.4	0	0
104	KICK-PL-5	Z	-5.5	-5.5	0	0
105	KICK-PL-6	Z	-6.4	-6.4	0	0
106	SA-1	Z	-3.3	-3.3	0	0
107	SA-2	Z	0	0	0	0
108	SA-3	Z	-3.3	-3.3	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	0	0	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	0	0	0	0
35	GRATE-H-90-2	X	0	0	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	0	0	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	0	0	0	0
44	KICK-2	X	0	0	0	0
45	KICK-3	X	0	0	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	0	0	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	0	0	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	0	0	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	0	0	0	0
55	BRACE-1	Z	-3.8	-3.8	0	0
56	BRACE-2	Z	-3.8	-3.8	0	0
57	BRACE-3	Z	0	0	0	0
58	CONN-PL-60-1	Z	-3	-3	0	0
59	CONN-PL-60-2	Z	-3	-3	0	0
60	CONN-PL-90-1	Z	0	0	0	0
61	CONN-PL-90-2	Z	0	0	0	0
62	CONN-PL-180-1	Z	-5.9	-5.9	0	0
63	CONN-PL-180-2	Z	-5.9	-5.9	0	0
64	CONN-PL-210-1	Z	-5.1	-5.1	0	0
65	CONN-PL-210-2	Z	-5.1	-5.1	0	0
66	CONN-PL-300-1	Z	-3	-3	0	0
67	CONN-PL-300-2	Z	-3	-3	0	0
68	CONN-PL-330-1	Z	-5.1	-5.1	0	0
69	CONN-PL-330-2	Z	-5.1	-5.1	0	0
70	COR-1	Z	-3.1	-3.1	0	0
71	COR-2	Z	-3.1	-3.1	0	0
72	COR-3	Z	0	0	0	0
73	COR-PL-90-1	Z	0	0	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
74	COR-PL-90-2	Z	0	0	0	0
75	COR-PL-90-3	Z	0	0	0	0
76	COR-PL-90-4	Z	0	0	0	0
77	COR-PL-210-1	Z	-5.1	-5.1	0	0
78	COR-PL-210-2	Z	-5.1	-5.1	0	0
79	COR-PL-210-3	Z	-5.1	-5.1	0	0
80	COR-PL-210-4	Z	-5.1	-5.1	0	0
81	COR-PL-330-1	Z	-5.1	-5.1	0	0
82	COR-PL-330-2	Z	-5.1	-5.1	0	0
83	COR-PL-330-3	Z	-5.1	-5.1	0	0
84	COR-PL-330-4	Z	-5.1	-5.1	0	0
85	FM-0	Z	0	0	0	0
86	FM-120	Z	-4.1	-4.1	0	0
87	FM-240	Z	-4.1	-4.1	0	0
88	GRATE-H-90-1	Z	0	0	0	0
89	GRATE-H-90-2	Z	0	0	0	0
90	GRATE-H-210-1	Z	-3.7	-3.7	0	0
91	GRATE-H-210-2	Z	-3.7	-3.7	0	0
92	GRATE-H-330-1	Z	-3.7	-3.7	0	0
93	GRATE-H-330-2	Z	-3.7	-3.7	0	0
94	HR-0	Z	0	0	0	0
95	HR-120	Z	-3.7	-3.7	0	0
96	HR-240	Z	-3.7	-3.7	0	0
97	KICK-1	Z	-6.7	-6.7	0	0
98	KICK-2	Z	-6.7	-6.7	0	0
99	KICK-3	Z	-6.7	-6.7	0	0
100	KICK-PL-1	Z	-3.7	-3.7	0	0
101	KICK-PL-2	Z	-7.4	-7.4	0	0
102	KICK-PL-3	Z	-3.7	-3.7	0	0
103	KICK-PL-4	Z	-7.4	-7.4	0	0
104	KICK-PL-5	Z	-7.4	-7.4	0	0
105	KICK-PL-6	Z	-7.4	-7.4	0	0
106	SA-1	Z	-2.2	-2.2	0	0
107	SA-2	Z	-2.2	-2.2	0	0
108	SA-3	Z	-4.4	-4.4	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	2.2	2.2	0	0
2	BRACE-2	X	1.1	1.1	0	0
3	BRACE-3	X	1.1	1.1	0	0
4	CONN-PL-60-1	X	2.6	2.6	0	0
5	CONN-PL-60-2	X	2.6	2.6	0	0
6	CONN-PL-90-1	X	1.5	1.5	0	0
7	CONN-PL-90-2	X	1.5	1.5	0	0
8	CONN-PL-180-1	X	2.6	2.6	0	0
9	CONN-PL-180-2	X	2.6	2.6	0	0
10	CONN-PL-210-1	X	3	3	0	0
11	CONN-PL-210-2	X	3	3	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	1.5	1.5	0	0
15	CONN-PL-330-2	X	1.5	1.5	0	0
16	COR-1	X	1.8	1.8	0	0
17	COR-2	X	.9	.9	0	0
18	COR-3	X	.9	.9	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
19	COR-PL-90-1	X	1.5	1.5	0	0
20	COR-PL-90-2	X	1.5	1.5	0	0
21	COR-PL-90-3	X	1.5	1.5	0	0
22	COR-PL-90-4	X	1.5	1.5	0	0
23	COR-PL-210-1	X	3	3	0	0
24	COR-PL-210-2	X	3	3	0	0
25	COR-PL-210-3	X	3	3	0	0
26	COR-PL-210-4	X	3	3	0	0
27	COR-PL-330-1	X	1.5	1.5	0	0
28	COR-PL-330-2	X	1.5	1.5	0	0
29	COR-PL-330-3	X	1.5	1.5	0	0
30	COR-PL-330-4	X	1.5	1.5	0	0
31	FM-0	X	1.2	1.2	0	0
32	FM-120	X	2.3	2.3	0	0
33	FM-240	X	1.2	1.2	0	0
34	GRATE-H-90-1	X	1.1	1.1	0	0
35	GRATE-H-90-2	X	1.1	1.1	0	0
36	GRATE-H-210-1	X	2.1	2.1	0	0
37	GRATE-H-210-2	X	2.1	2.1	0	0
38	GRATE-H-330-1	X	1.1	1.1	0	0
39	GRATE-H-330-2	X	1.1	1.1	0	0
40	HR-0	X	1.1	1.1	0	0
41	HR-120	X	2.2	2.2	0	0
42	HR-240	X	1.1	1.1	0	0
43	KICK-1	X	3.3	3.3	0	0
44	KICK-2	X	3.3	3.3	0	0
45	KICK-3	X	3.3	3.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	3.7	3.7	0	0
48	KICK-PL-3	X	3.2	3.2	0	0
49	KICK-PL-4	X	3.7	3.7	0	0
50	KICK-PL-5	X	3.2	3.2	0	0
51	KICK-PL-6	X	3.7	3.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	1.9	1.9	0	0
54	SA-3	X	1.9	1.9	0	0
55	BRACE-1	Z	-3.8	-3.8	0	0
56	BRACE-2	Z	-1.9	-1.9	0	0
57	BRACE-3	Z	-1.9	-1.9	0	0
58	CONN-PL-60-1	Z	-4.4	-4.4	0	0
59	CONN-PL-60-2	Z	-4.4	-4.4	0	0
60	CONN-PL-90-1	Z	-2.6	-2.6	0	0
61	CONN-PL-90-2	Z	-2.6	-2.6	0	0
62	CONN-PL-180-1	Z	-4.4	-4.4	0	0
63	CONN-PL-180-2	Z	-4.4	-4.4	0	0
64	CONN-PL-210-1	Z	-5.1	-5.1	0	0
65	CONN-PL-210-2	Z	-5.1	-5.1	0	0
66	CONN-PL-300-1	Z	0	0	0	0
67	CONN-PL-300-2	Z	0	0	0	0
68	CONN-PL-330-1	Z	-2.6	-2.6	0	0
69	CONN-PL-330-2	Z	-2.6	-2.6	0	0
70	COR-1	Z	-3.1	-3.1	0	0
71	COR-2	Z	-1.5	-1.5	0	0
72	COR-3	Z	-1.5	-1.5	0	0
73	COR-PL-90-1	Z	-2.6	-2.6	0	0
74	COR-PL-90-2	Z	-2.6	-2.6	0	0
75	COR-PL-90-3	Z	-2.6	-2.6	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	COR-PL-90-4	Z	-2.6	-2.6	0	0
77	COR-PL-210-1	Z	-5.1	-5.1	0	0
78	COR-PL-210-2	Z	-5.1	-5.1	0	0
79	COR-PL-210-3	Z	-5.1	-5.1	0	0
80	COR-PL-210-4	Z	-5.1	-5.1	0	0
81	COR-PL-330-1	Z	-2.6	-2.6	0	0
82	COR-PL-330-2	Z	-2.6	-2.6	0	0
83	COR-PL-330-3	Z	-2.6	-2.6	0	0
84	COR-PL-330-4	Z	-2.6	-2.6	0	0
85	FM-0	Z	-2	-2	0	0
86	FM-120	Z	-4.1	-4.1	0	0
87	FM-240	Z	-2	-2	0	0
88	GRATE-H-90-1	Z	-1.9	-1.9	0	0
89	GRATE-H-90-2	Z	-1.9	-1.9	0	0
90	GRATE-H-210-1	Z	-3.7	-3.7	0	0
91	GRATE-H-210-2	Z	-3.7	-3.7	0	0
92	GRATE-H-330-1	Z	-1.9	-1.9	0	0
93	GRATE-H-330-2	Z	-1.9	-1.9	0	0
94	HR-0	Z	-1.9	-1.9	0	0
95	HR-120	Z	-3.7	-3.7	0	0
96	HR-240	Z	-1.9	-1.9	0	0
97	KICK-1	Z	-5.8	-5.8	0	0
98	KICK-2	Z	-5.8	-5.8	0	0
99	KICK-3	Z	-5.8	-5.8	0	0
100	KICK-PL-1	Z	0	0	0	0
101	KICK-PL-2	Z	-6.4	-6.4	0	0
102	KICK-PL-3	Z	-5.5	-5.5	0	0
103	KICK-PL-4	Z	-6.4	-6.4	0	0
104	KICK-PL-5	Z	-5.5	-5.5	0	0
105	KICK-PL-6	Z	-6.4	-6.4	0	0
106	SA-1	Z	0	0	0	0
107	SA-2	Z	-3.3	-3.3	0	0
108	SA-3	Z	-3.3	-3.3	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	3.3	3.3	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	3.3	3.3	0	0
4	CONN-PL-60-1	X	5.1	5.1	0	0
5	CONN-PL-60-2	X	5.1	5.1	0	0
6	CONN-PL-90-1	X	4.4	4.4	0	0
7	CONN-PL-90-2	X	4.4	4.4	0	0
8	CONN-PL-180-1	X	2.6	2.6	0	0
9	CONN-PL-180-2	X	2.6	2.6	0	0
10	CONN-PL-210-1	X	4.4	4.4	0	0
11	CONN-PL-210-2	X	4.4	4.4	0	0
12	CONN-PL-300-1	X	2.6	2.6	0	0
13	CONN-PL-300-2	X	2.6	2.6	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	2.6	2.6	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	2.6	2.6	0	0
19	COR-PL-90-1	X	4.4	4.4	0	0
20	COR-PL-90-2	X	4.4	4.4	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
21	COR-PL-90-3	X	4.4	4.4	0	0
22	COR-PL-90-4	X	4.4	4.4	0	0
23	COR-PL-210-1	X	4.4	4.4	0	0
24	COR-PL-210-2	X	4.4	4.4	0	0
25	COR-PL-210-3	X	4.4	4.4	0	0
26	COR-PL-210-4	X	4.4	4.4	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	3.5	3.5	0	0
32	FM-120	X	3.5	3.5	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	3.2	3.2	0	0
35	GRATE-H-90-2	X	3.2	3.2	0	0
36	GRATE-H-210-1	X	3.2	3.2	0	0
37	GRATE-H-210-2	X	3.2	3.2	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	3.2	3.2	0	0
41	HR-120	X	3.2	3.2	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	5.8	5.8	0	0
44	KICK-2	X	5.8	5.8	0	0
45	KICK-3	X	5.8	5.8	0	0
46	KICK-PL-1	X	3.2	3.2	0	0
47	KICK-PL-2	X	6.4	6.4	0	0
48	KICK-PL-3	X	6.4	6.4	0	0
49	KICK-PL-4	X	6.4	6.4	0	0
50	KICK-PL-5	X	3.2	3.2	0	0
51	KICK-PL-6	X	6.4	6.4	0	0
52	SA-1	X	1.9	1.9	0	0
53	SA-2	X	3.8	3.8	0	0
54	SA-3	X	1.9	1.9	0	0
55	BRACE-1	Z	-1.9	-1.9	0	0
56	BRACE-2	Z	0	0	0	0
57	BRACE-3	Z	-1.9	-1.9	0	0
58	CONN-PL-60-1	Z	-3	-3	0	0
59	CONN-PL-60-2	Z	-3	-3	0	0
60	CONN-PL-90-1	Z	-2.6	-2.6	0	0
61	CONN-PL-90-2	Z	-2.6	-2.6	0	0
62	CONN-PL-180-1	Z	-1.5	-1.5	0	0
63	CONN-PL-180-2	Z	-1.5	-1.5	0	0
64	CONN-PL-210-1	Z	-2.6	-2.6	0	0
65	CONN-PL-210-2	Z	-2.6	-2.6	0	0
66	CONN-PL-300-1	Z	-1.5	-1.5	0	0
67	CONN-PL-300-2	Z	-1.5	-1.5	0	0
68	CONN-PL-330-1	Z	0	0	0	0
69	CONN-PL-330-2	Z	0	0	0	0
70	COR-1	Z	-1.5	-1.5	0	0
71	COR-2	Z	0	0	0	0
72	COR-3	Z	-1.5	-1.5	0	0
73	COR-PL-90-1	Z	-2.6	-2.6	0	0
74	COR-PL-90-2	Z	-2.6	-2.6	0	0
75	COR-PL-90-3	Z	-2.6	-2.6	0	0
76	COR-PL-90-4	Z	-2.6	-2.6	0	0
77	COR-PL-210-1	Z	-2.6	-2.6	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
78	COR-PL-210-2	Z	-2.6	-2.6	0	0
79	COR-PL-210-3	Z	-2.6	-2.6	0	0
80	COR-PL-210-4	Z	-2.6	-2.6	0	0
81	COR-PL-330-1	Z	0	0	0	0
82	COR-PL-330-2	Z	0	0	0	0
83	COR-PL-330-3	Z	0	0	0	0
84	COR-PL-330-4	Z	0	0	0	0
85	FM-0	Z	-2	-2	0	0
86	FM-120	Z	-2	-2	0	0
87	FM-240	Z	0	0	0	0
88	GRATE-H-90-1	Z	-1.9	-1.9	0	0
89	GRATE-H-90-2	Z	-1.9	-1.9	0	0
90	GRATE-H-210-1	Z	-1.9	-1.9	0	0
91	GRATE-H-210-2	Z	-1.9	-1.9	0	0
92	GRATE-H-330-1	Z	0	0	0	0
93	GRATE-H-330-2	Z	0	0	0	0
94	HR-0	Z	-1.9	-1.9	0	0
95	HR-120	Z	-1.9	-1.9	0	0
96	HR-240	Z	0	0	0	0
97	KICK-1	Z	-3.3	-3.3	0	0
98	KICK-2	Z	-3.3	-3.3	0	0
99	KICK-3	Z	-3.3	-3.3	0	0
100	KICK-PL-1	Z	-1.8	-1.8	0	0
101	KICK-PL-2	Z	-3.7	-3.7	0	0
102	KICK-PL-3	Z	-3.7	-3.7	0	0
103	KICK-PL-4	Z	-3.7	-3.7	0	0
104	KICK-PL-5	Z	-1.8	-1.8	0	0
105	KICK-PL-6	Z	-3.7	-3.7	0	0
106	SA-1	Z	-1.1	-1.1	0	0
107	SA-2	Z	-2.2	-2.2	0	0
108	SA-3	Z	-1.1	-1.1	0	0

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-2	Y	-.002	-.106	0	4.142
2	BRACE-2	Y	-.106	-.369	4.142	8.284
3	BRACE-2	Y	-.369	-.708	8.284	12.426
4	BRACE-2	Y	-.708	-1.112	12.426	16.569
5	BRACE-2	Y	-1.112	-1.214	16.569	20.711
6	BRACE-2	Y	-1.214	-.648	20.711	24.853
7	BRACE-2	Y	-.648	-.207	24.853	28.995
8	BRACE-2	Y	-.207	-.448	28.995	33.137
9	BRACE-2	Y	-.448	-1.087	33.137	37.279
10	BRACE-2	Y	-1.087	-1.21	37.279	41.422
11	BRACE-2	Y	-1.21	-.689	41.422	45.564
12	BRACE-2	Y	-.689	-.401	45.564	49.706
13	BRACE-2	Y	-.401	-.307	49.706	53.848
14	GRATE-H-90-2	Y	-.009	-.143	0	4.226
15	GRATE-H-90-2	Y	-.143	-.369	4.226	8.453
16	GRATE-H-90-2	Y	-.369	-.498	8.453	12.679
17	GRATE-H-90-2	Y	-.498	-.599	12.679	16.906
18	GRATE-H-90-2	Y	-.599	-.738	16.906	21.132
19	GRATE-H-90-2	Y	-.738	-.925	21.132	25.359
20	GRATE-H-90-2	Y	-.925	-1.122	25.359	29.585
21	GRATE-H-90-2	Y	-1.122	-1.224	29.585	33.811
22	GRATE-H-90-2	Y	-1.224	-1.208	33.811	38.038

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
23	GRATE-H-90-2	Y	-1.208	-.813	38.038	42.264
24	GRATE-H-90-2	Y	-.813	-.342	42.264	46.491
25	GRATE-H-90-2	Y	-.342	-.025	46.491	50.717
26	GRATE-H-210-1	Y	-.006	-.14	0	4.226
27	GRATE-H-210-1	Y	-.14	-.369	4.226	8.453
28	GRATE-H-210-1	Y	-.369	-.499	8.453	12.679
29	GRATE-H-210-1	Y	-.499	-.61	12.679	16.906
30	GRATE-H-210-1	Y	-.61	-.775	16.906	21.132
31	GRATE-H-210-1	Y	-.775	-.922	21.132	25.358
32	GRATE-H-210-1	Y	-.922	-1.166	25.358	29.585
33	GRATE-H-210-1	Y	-1.166	-1.288	29.585	33.811
34	GRATE-H-210-1	Y	-1.288	-1.042	33.811	38.038
35	GRATE-H-210-1	Y	-1.042	-.638	38.038	42.264
36	GRATE-H-210-1	Y	-.638	-.284	42.264	46.49
37	GRATE-H-210-1	Y	-.284	-.006	46.49	50.717
38	SA-2	Y	-.058	-.325	0	4.15
39	SA-2	Y	-.325	-.631	4.15	8.3
40	SA-2	Y	-.631	-1.1	8.3	12.45
41	SA-2	Y	-1.1	-1.422	12.45	16.6
42	SA-2	Y	-1.422	-1.646	16.6	20.75
43	SA-2	Y	-1.646	-1.99	20.75	24.9
44	SA-2	Y	-1.99	-2.294	24.9	29.05
45	SA-2	Y	-2.294	-2.483	29.05	33.2
46	SA-2	Y	-2.483	-1.893	33.2	37.35
47	SA-2	Y	-1.893	-.798	37.35	41.5
48	SA-2	Y	-.798	-.163	41.5	45.65
49	SA-2	Y	-.163	-.006	45.65	49.8
50	BRACE-3	Y	-.002	-.106	0	4.142
51	BRACE-3	Y	-.106	-.369	4.142	8.284
52	BRACE-3	Y	-.369	-.708	8.284	12.426
53	BRACE-3	Y	-.708	-1.112	12.426	16.569
54	BRACE-3	Y	-1.112	-1.214	16.569	20.711
55	BRACE-3	Y	-1.214	-.648	20.711	24.853
56	BRACE-3	Y	-.648	-.207	24.853	28.995
57	BRACE-3	Y	-.207	-.448	28.995	33.137
58	BRACE-3	Y	-.448	-1.087	33.137	37.279
59	BRACE-3	Y	-1.087	-1.21	37.279	41.422
60	BRACE-3	Y	-1.21	-.689	41.422	45.564
61	BRACE-3	Y	-.689	-.401	45.564	49.706
62	BRACE-3	Y	-.401	-.307	49.706	53.848
63	GRATE-H-210-2	Y	-.009	-.143	0	4.226
64	GRATE-H-210-2	Y	-.143	-.369	4.226	8.453
65	GRATE-H-210-2	Y	-.369	-.498	8.453	12.679
66	GRATE-H-210-2	Y	-.498	-.599	12.679	16.906
67	GRATE-H-210-2	Y	-.599	-.738	16.906	21.132
68	GRATE-H-210-2	Y	-.738	-.925	21.132	25.359
69	GRATE-H-210-2	Y	-.925	-1.122	25.359	29.585
70	GRATE-H-210-2	Y	-1.122	-1.224	29.585	33.811
71	GRATE-H-210-2	Y	-1.224	-1.208	33.811	38.038
72	GRATE-H-210-2	Y	-1.208	-.813	38.038	42.264
73	GRATE-H-210-2	Y	-.813	-.342	42.264	46.491
74	GRATE-H-210-2	Y	-.342	-.025	46.491	50.717
75	GRATE-H-330-1	Y	-.006	-.14	0	4.226
76	GRATE-H-330-1	Y	-.14	-.369	4.226	8.453
77	GRATE-H-330-1	Y	-.369	-.499	8.453	12.679
78	GRATE-H-330-1	Y	-.499	-.61	12.679	16.906
79	GRATE-H-330-1	Y	-.61	-.775	16.906	21.132

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
80	GRATE-H-330-1	Y	-.775	-.922	21.132	25.358
81	GRATE-H-330-1	Y	-.922	-1.166	25.358	29.585
82	GRATE-H-330-1	Y	-1.166	-1.288	29.585	33.811
83	GRATE-H-330-1	Y	-1.288	-1.042	33.811	38.038
84	GRATE-H-330-1	Y	-1.042	-.638	38.038	42.264
85	GRATE-H-330-1	Y	-.638	-.284	42.264	46.49
86	GRATE-H-330-1	Y	-.284	-.006	46.49	50.717
87	SA-3	Y	-.058	-.325	0	4.15
88	SA-3	Y	-.325	-.631	4.15	8.3
89	SA-3	Y	-.631	-1.1	8.3	12.45
90	SA-3	Y	-1.1	-1.422	12.45	16.6
91	SA-3	Y	-1.422	-1.646	16.6	20.75
92	SA-3	Y	-1.646	-1.99	20.75	24.9
93	SA-3	Y	-1.99	-2.294	24.9	29.05
94	SA-3	Y	-2.294	-2.483	29.05	33.2
95	SA-3	Y	-2.483	-1.893	33.2	37.35
96	SA-3	Y	-1.893	-.798	37.35	41.5
97	SA-3	Y	-.798	-.163	41.5	45.65
98	SA-3	Y	-.163	-.006	45.65	49.8
99	BRACE-1	Y	-.002	-.106	0	4.142
100	BRACE-1	Y	-.106	-.369	4.142	8.284
101	BRACE-1	Y	-.369	-.708	8.284	12.426
102	BRACE-1	Y	-.708	-1.112	12.426	16.569
103	BRACE-1	Y	-1.112	-1.214	16.569	20.711
104	BRACE-1	Y	-1.214	-.648	20.711	24.853
105	BRACE-1	Y	-.648	-.207	24.853	28.995
106	BRACE-1	Y	-.207	-.448	28.995	33.137
107	BRACE-1	Y	-.448	-1.087	33.137	37.279
108	BRACE-1	Y	-1.087	-1.21	37.279	41.422
109	BRACE-1	Y	-1.21	-.689	41.422	45.564
110	BRACE-1	Y	-.689	-.401	45.564	49.706
111	BRACE-1	Y	-.401	-.307	49.706	53.848
112	GRATE-H-90-1	Y	-.006	-.14	0	4.226
113	GRATE-H-90-1	Y	-.14	-.369	4.226	8.453
114	GRATE-H-90-1	Y	-.369	-.499	8.453	12.679
115	GRATE-H-90-1	Y	-.499	-.61	12.679	16.906
116	GRATE-H-90-1	Y	-.61	-.775	16.906	21.132
117	GRATE-H-90-1	Y	-.775	-.922	21.132	25.358
118	GRATE-H-90-1	Y	-.922	-1.166	25.358	29.585
119	GRATE-H-90-1	Y	-1.166	-1.288	29.585	33.811
120	GRATE-H-90-1	Y	-1.288	-1.042	33.811	38.038
121	GRATE-H-90-1	Y	-1.042	-.638	38.038	42.264
122	GRATE-H-90-1	Y	-.638	-.284	42.264	46.49
123	GRATE-H-90-1	Y	-.284	-.006	46.49	50.717
124	GRATE-H-330-2	Y	-.009	-.143	0	4.226
125	GRATE-H-330-2	Y	-.143	-.369	4.226	8.453
126	GRATE-H-330-2	Y	-.369	-.498	8.453	12.679
127	GRATE-H-330-2	Y	-.498	-.6	12.679	16.906
128	GRATE-H-330-2	Y	-.6	-.737	16.906	21.132
129	GRATE-H-330-2	Y	-.737	-.924	21.132	25.359
130	GRATE-H-330-2	Y	-.924	-1.123	25.359	29.585
131	GRATE-H-330-2	Y	-1.123	-1.225	29.585	33.811
132	GRATE-H-330-2	Y	-1.225	-1.209	33.811	38.038
133	GRATE-H-330-2	Y	-1.209	-.813	38.038	42.264
134	GRATE-H-330-2	Y	-.813	-.342	42.264	46.491
135	GRATE-H-330-2	Y	-.342	-.025	46.491	50.717
136	SA-1	Y	-.058	-.325	0	4.15

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
137	SA-1	Y	-.325	-.631	4.15	8.3
138	SA-1	Y	-.631	-1.1	8.3	12.45
139	SA-1	Y	-1.1	-1.423	12.45	16.6
140	SA-1	Y	-1.423	-1.646	16.6	20.75
141	SA-1	Y	-1.646	-1.988	20.75	24.9
142	SA-1	Y	-1.988	-2.293	24.9	29.05
143	SA-1	Y	-2.293	-2.484	29.05	33.2
144	SA-1	Y	-2.484	-1.894	33.2	37.35
145	SA-1	Y	-1.894	-.798	37.35	41.5
146	SA-1	Y	-.798	-.163	41.5	45.65
147	SA-1	Y	-.163	-.006	45.65	49.8

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-2	Y	-.017	-.976	0	4.142
2	BRACE-2	Y	-.976	-3.403	4.142	8.284
3	BRACE-2	Y	-3.403	-6.527	8.284	12.426
4	BRACE-2	Y	-6.527	-10.252	12.426	16.569
5	BRACE-2	Y	-10.252	-11.196	16.569	20.711
6	BRACE-2	Y	-11.196	-5.975	20.711	24.853
7	BRACE-2	Y	-5.975	-1.911	24.853	28.995
8	BRACE-2	Y	-1.911	-4.128	28.995	33.137
9	BRACE-2	Y	-4.128	-10.026	33.137	37.279
10	BRACE-2	Y	-10.026	-11.162	37.279	41.422
11	BRACE-2	Y	-11.162	-6.355	41.422	45.564
12	BRACE-2	Y	-6.355	-3.695	45.564	49.706
13	BRACE-2	Y	-3.695	-2.834	49.706	53.848
14	GRATE-H-90-2	Y	-.079	-1.315	0	4.226
15	GRATE-H-90-2	Y	-1.315	-3.405	4.226	8.453
16	GRATE-H-90-2	Y	-3.405	-4.589	8.453	12.679
17	GRATE-H-90-2	Y	-4.589	-5.528	12.679	16.906
18	GRATE-H-90-2	Y	-5.528	-6.804	16.906	21.132
19	GRATE-H-90-2	Y	-6.804	-8.528	21.132	25.359
20	GRATE-H-90-2	Y	-8.528	-10.347	25.359	29.585
21	GRATE-H-90-2	Y	-10.347	-11.293	29.585	33.811
22	GRATE-H-90-2	Y	-11.293	-11.146	33.811	38.038
23	GRATE-H-90-2	Y	-11.146	-7.5	38.038	42.264
24	GRATE-H-90-2	Y	-7.5	-3.15	42.264	46.491
25	GRATE-H-90-2	Y	-3.15	-.229	46.491	50.717
26	GRATE-H-210-1	Y	-.055	-1.292	0	4.226
27	GRATE-H-210-1	Y	-1.292	-3.4	4.226	8.453
28	GRATE-H-210-1	Y	-3.4	-4.605	8.453	12.679
29	GRATE-H-210-1	Y	-4.605	-5.63	12.679	16.906
30	GRATE-H-210-1	Y	-5.63	-7.143	16.906	21.132
31	GRATE-H-210-1	Y	-7.143	-8.507	21.132	25.358
32	GRATE-H-210-1	Y	-8.507	-10.752	25.358	29.585
33	GRATE-H-210-1	Y	-10.752	-11.882	29.585	33.811
34	GRATE-H-210-1	Y	-11.882	-9.612	33.811	38.038
35	GRATE-H-210-1	Y	-9.612	-5.886	38.038	42.264
36	GRATE-H-210-1	Y	-5.886	-2.617	42.264	46.49
37	GRATE-H-210-1	Y	-2.617	-.055	46.49	50.717
38	SA-2	Y	-.535	-2.999	0	4.15
39	SA-2	Y	-2.999	-5.816	4.15	8.3
40	SA-2	Y	-5.816	-10.148	8.3	12.45
41	SA-2	Y	-10.148	-13.114	12.45	16.6
42	SA-2	Y	-13.114	-15.184	16.6	20.75

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	SA-2	Y	-15.184	-18.352	20.75	24.9
44	SA-2	Y	-18.352	-21.153	24.9	29.05
45	SA-2	Y	-21.153	-22.903	29.05	33.2
46	SA-2	Y	-22.903	-17.463	33.2	37.35
47	SA-2	Y	-17.463	-7.355	37.35	41.5
48	SA-2	Y	-7.355	-1.503	41.5	45.65
49	SA-2	Y	-1.503	-.051	45.65	49.8
50	BRACE-3	Y	-.017	-.976	0	4.142
51	BRACE-3	Y	-.976	-3.403	4.142	8.284
52	BRACE-3	Y	-3.403	-6.527	8.284	12.426
53	BRACE-3	Y	-6.527	-10.252	12.426	16.569
54	BRACE-3	Y	-10.252	-11.196	16.569	20.711
55	BRACE-3	Y	-11.196	-5.975	20.711	24.853
56	BRACE-3	Y	-5.975	-1.911	24.853	28.995
57	BRACE-3	Y	-1.911	-4.128	28.995	33.137
58	BRACE-3	Y	-4.128	-10.026	33.137	37.279
59	BRACE-3	Y	-10.026	-11.162	37.279	41.422
60	BRACE-3	Y	-11.162	-6.355	41.422	45.564
61	BRACE-3	Y	-6.355	-3.695	45.564	49.706
62	BRACE-3	Y	-3.695	-2.834	49.706	53.848
63	GRATE-H-210-2	Y	-.079	-1.315	0	4.226
64	GRATE-H-210-2	Y	-1.315	-3.405	4.226	8.453
65	GRATE-H-210-2	Y	-3.405	-4.589	8.453	12.679
66	GRATE-H-210-2	Y	-4.589	-5.528	12.679	16.906
67	GRATE-H-210-2	Y	-5.528	-6.804	16.906	21.132
68	GRATE-H-210-2	Y	-6.804	-8.528	21.132	25.359
69	GRATE-H-210-2	Y	-8.528	-10.347	25.359	29.585
70	GRATE-H-210-2	Y	-10.347	-11.293	29.585	33.811
71	GRATE-H-210-2	Y	-11.293	-11.146	33.811	38.038
72	GRATE-H-210-2	Y	-11.146	-7.5	38.038	42.264
73	GRATE-H-210-2	Y	-7.5	-3.15	42.264	46.491
74	GRATE-H-210-2	Y	-3.15	-.229	46.491	50.717
75	GRATE-H-330-1	Y	-.055	-1.292	0	4.226
76	GRATE-H-330-1	Y	-1.292	-3.4	4.226	8.453
77	GRATE-H-330-1	Y	-3.4	-4.605	8.453	12.679
78	GRATE-H-330-1	Y	-4.605	-5.63	12.679	16.906
79	GRATE-H-330-1	Y	-5.63	-7.143	16.906	21.132
80	GRATE-H-330-1	Y	-7.143	-8.507	21.132	25.358
81	GRATE-H-330-1	Y	-8.507	-10.752	25.358	29.585
82	GRATE-H-330-1	Y	-10.752	-11.882	29.585	33.811
83	GRATE-H-330-1	Y	-11.882	-9.612	33.811	38.038
84	GRATE-H-330-1	Y	-9.612	-5.886	38.038	42.264
85	GRATE-H-330-1	Y	-5.886	-2.617	42.264	46.49
86	GRATE-H-330-1	Y	-2.617	-.055	46.49	50.717
87	SA-3	Y	-.535	-2.999	0	4.15
88	SA-3	Y	-2.999	-5.816	4.15	8.3
89	SA-3	Y	-5.816	-10.148	8.3	12.45
90	SA-3	Y	-10.148	-13.114	12.45	16.6
91	SA-3	Y	-13.114	-15.184	16.6	20.75
92	SA-3	Y	-15.184	-18.352	20.75	24.9
93	SA-3	Y	-18.352	-21.153	24.9	29.05
94	SA-3	Y	-21.153	-22.903	29.05	33.2
95	SA-3	Y	-22.903	-17.463	33.2	37.35
96	SA-3	Y	-17.463	-7.355	37.35	41.5
97	SA-3	Y	-7.355	-1.503	41.5	45.65
98	SA-3	Y	-1.503	-.051	45.65	49.8
99	BRACE-1	Y	-.017	-.976	0	4.142

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
100	BRACE-1	Y	-.976	-3.403	4.142	8.284
101	BRACE-1	Y	-3.403	-6.527	8.284	12.426
102	BRACE-1	Y	-6.527	-10.252	12.426	16.569
103	BRACE-1	Y	-10.252	-11.196	16.569	20.711
104	BRACE-1	Y	-11.196	-5.975	20.711	24.853
105	BRACE-1	Y	-5.975	-1.911	24.853	28.995
106	BRACE-1	Y	-1.911	-4.128	28.995	33.137
107	BRACE-1	Y	-4.128	-10.027	33.137	37.279
108	BRACE-1	Y	-10.027	-11.163	37.279	41.422
109	BRACE-1	Y	-11.163	-6.355	41.422	45.564
110	BRACE-1	Y	-6.355	-3.695	45.564	49.706
111	BRACE-1	Y	-3.695	-2.834	49.706	53.848
112	GRATE-H-90-1	Y	-.055	-1.292	0	4.226
113	GRATE-H-90-1	Y	-1.292	-3.4	4.226	8.453
114	GRATE-H-90-1	Y	-3.4	-4.605	8.453	12.679
115	GRATE-H-90-1	Y	-4.605	-5.63	12.679	16.906
116	GRATE-H-90-1	Y	-5.63	-7.143	16.906	21.132
117	GRATE-H-90-1	Y	-7.143	-8.507	21.132	25.358
118	GRATE-H-90-1	Y	-8.507	-10.752	25.358	29.585
119	GRATE-H-90-1	Y	-10.752	-11.882	29.585	33.811
120	GRATE-H-90-1	Y	-11.882	-9.612	33.811	38.038
121	GRATE-H-90-1	Y	-9.612	-5.886	38.038	42.264
122	GRATE-H-90-1	Y	-5.886	-2.617	42.264	46.49
123	GRATE-H-90-1	Y	-2.617	-.055	46.49	50.717
124	GRATE-H-330-2	Y	-.079	-1.315	0	4.226
125	GRATE-H-330-2	Y	-1.315	-3.405	4.226	8.453
126	GRATE-H-330-2	Y	-3.405	-4.589	8.453	12.679
127	GRATE-H-330-2	Y	-4.589	-5.53	12.679	16.906
128	GRATE-H-330-2	Y	-5.53	-6.8	16.906	21.132
129	GRATE-H-330-2	Y	-6.8	-8.525	21.132	25.359
130	GRATE-H-330-2	Y	-8.525	-10.355	25.359	29.585
131	GRATE-H-330-2	Y	-10.355	-11.299	29.585	33.811
132	GRATE-H-330-2	Y	-11.299	-11.148	33.811	38.038
133	GRATE-H-330-2	Y	-11.148	-7.5	38.038	42.264
134	GRATE-H-330-2	Y	-7.5	-3.15	42.264	46.491
135	GRATE-H-330-2	Y	-3.15	-.229	46.491	50.717
136	SA-1	Y	-.535	-2.999	0	4.15
137	SA-1	Y	-2.999	-5.816	4.15	8.3
138	SA-1	Y	-5.816	-10.149	8.3	12.45
139	SA-1	Y	-10.149	-13.12	12.45	16.6
140	SA-1	Y	-13.12	-15.179	16.6	20.75
141	SA-1	Y	-15.179	-18.338	20.75	24.9
142	SA-1	Y	-18.338	-21.149	24.9	29.05
143	SA-1	Y	-21.149	-22.905	29.05	33.2
144	SA-1	Y	-22.905	-17.464	33.2	37.35
145	SA-1	Y	-17.464	-7.355	37.35	41.5
146	SA-1	Y	-7.355	-1.503	41.5	45.65
147	SA-1	Y	-1.503	-.051	45.65	49.8

Load Combinations

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
1	1.4D	Yes	Y		1	1.4	1...	1.4															
2	1.2D + 1.0W (0 deg)	Yes	Y		1	1.2	2	1	1...	1.2	176	1											
3	1.2D + 1.0W (30 deg)	Yes	Y		1	1.2	3	1	1...	1.2	177	1											
4	1.2D + 1.0W (60 deg)	Yes	Y		1	1.2	4	1	1...	1.2	178	1											

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
5	1.2D + 1.0W (90 deg)	Yes	Y		1	1.2	5	1	1...	1.2	179	1											
6	1.2D + 1.0W (120 deg)	Yes	Y		1	1.2	6	1	1...	1.2	180	1											
7	1.2D + 1.0W (150 deg)	Yes	Y		1	1.2	7	1	1...	1.2	181	1											
8	1.2D + 1.0W (180 deg)	Yes	Y		1	1.2	8	1	1...	1.2	182	1											
9	1.2D + 1.0W (210 deg)	Yes	Y		1	1.2	9	1	1...	1.2	183	1											
10	1.2D + 1.0W (240 deg)	Yes	Y		1	1.2	10	1	1...	1.2	184	1											
11	1.2D + 1.0W (270 deg)	Yes	Y		1	1.2	11	1	1...	1.2	185	1											
12	1.2D + 1.0W (300 deg)	Yes	Y		1	1.2	12	1	1...	1.2	186	1											
13	1.2D + 1.0W (330 deg)	Yes	Y		1	1.2	13	1	1...	1.2	187	1											
14	1.2D + Di + Wi (0 deg)	Yes	Y		1	1.2	14	1	15	1	175	1.2	188	1	189	1							
15	1.2D + Di + Wi (30 deg)	Yes	Y		1	1.2	14	1	16	1	175	1.2	188	1	190	1							
16	1.2D + Di + Wi (60 deg)	Yes	Y		1	1.2	14	1	17	1	175	1.2	188	1	191	1							
17	1.2D + Di + Wi (90 deg)	Yes	Y		1	1.2	14	1	18	1	175	1.2	188	1	192	1							
18	1.2D + Di + Wi (120 deg)	Yes	Y		1	1.2	14	1	19	1	175	1.2	188	1	193	1							
19	1.2D + Di + Wi (150 deg)	Yes	Y		1	1.2	14	1	20	1	175	1.2	188	1	194	1							
20	1.2D + Di + Wi (180 deg)	Yes	Y		1	1.2	14	1	21	1	175	1.2	188	1	195	1							
21	1.2D + Di + Wi (210 deg)	Yes	Y		1	1.2	14	1	22	1	175	1.2	188	1	196	1							
22	1.2D + Di + Wi (240 deg)	Yes	Y		1	1.2	14	1	23	1	175	1.2	188	1	197	1							
23	1.2D + Di + Wi (270 deg)	Yes	Y		1	1.2	14	1	24	1	175	1.2	188	1	198	1							
24	1.2D + Di + Wi (300 deg)	Yes	Y		1	1.2	14	1	25	1	175	1.2	188	1	199	1							
25	1.2D + Di + Wi (330 deg)	Yes	Y		1	1.2	14	1	26	1	175	1.2	188	1	200	1							
26	1.2D + 1.0 Ev + 1.0Eh (0 deg)	Yes	Y		1	1.2	1	.0...	27	.096	175	1.2	175	.0...	201	.159							
27	1.2D + 1.0 Ev + 1.0Eh (30 de...	Yes	Y		1	1.2	1	.0...	28	.096	175	1.2	175	.0...	202	.159							
28	1.2D + 1.0 Ev + 1.0Eh (60 de...	Yes	Y		1	1.2	1	.0...	29	.096	175	1.2	175	.0...	203	.159							
29	1.2D + 1.0 Ev + 1.0Eh (90 de...	Yes	Y		1	1.2	1	.0...	30	.096	175	1.2	175	.0...	204	.159							
30	1.2D + 1.0 Ev + 1.0Eh (120 d...	Yes	Y		1	1.2	1	.0...	31	.096	175	1.2	175	.0...	205	.159							
31	1.2D + 1.0 Ev + 1.0Eh (150 d...	Yes	Y		1	1.2	1	.0...	32	.096	175	1.2	175	.0...	206	.159							
32	1.2D + 1.0 Ev + 1.0Eh (180 d...	Yes	Y		1	1.2	1	.0...	33	.096	175	1.2	175	.0...	207	.159							
33	1.2D + 1.0 Ev + 1.0Eh (210 d...	Yes	Y		1	1.2	1	.0...	34	.096	175	1.2	175	.0...	208	.159							
34	1.2D + 1.0 Ev + 1.0Eh (240 d...	Yes	Y		1	1.2	1	.0...	35	.096	175	1.2	175	.0...	209	.159							
35	1.2D + 1.0 Ev + 1.0Eh (270 d...	Yes	Y		1	1.2	1	.0...	36	.096	175	1.2	175	.0...	210	.159							
36	1.2D + 1.0 Ev + 1.0Eh (300 d...	Yes	Y		1	1.2	1	.0...	37	.096	175	1.2	175	.0...	211	.159							
37	1.2D + 1.0 Ev + 1.0Eh (330 d...	Yes	Y		1	1.2	1	.0...	38	.096	175	1.2	175	.0...	212	.159							
38	1.2D + 1.5Lm1 + 1.0Wm (0 d...	Yes	Y		1	1.2	39	1.5	2	.053	175	1.2	176	.0...									
39	1.2D + 1.5Lm1 + 1.0Wm (30 ...	Yes	Y		1	1.2	39	1.5	3	.053	175	1.2	177	.0...									
40	1.2D + 1.5Lm1 + 1.0Wm (60 ...	Yes	Y		1	1.2	39	1.5	4	.053	175	1.2	178	.0...									
41	1.2D + 1.5Lm1 + 1.0Wm (90 ...	Yes	Y		1	1.2	39	1.5	5	.053	175	1.2	179	.0...									
42	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.5	6	.053	175	1.2	180	.0...									
43	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.5	7	.053	175	1.2	181	.0...									
44	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.5	8	.053	175	1.2	182	.0...									
45	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.5	9	.053	175	1.2	183	.0...									
46	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.5	10	.053	175	1.2	184	.0...									
47	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.5	11	.053	175	1.2	185	.0...									
48	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.5	12	.053	175	1.2	186	.0...									
49	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.5	13	.053	175	1.2	187	.0...									
50	1.2D + 1.5Lm2 + 1.0Wm (0 d...	Yes	Y		1	1.2	40	1.5	2	.053	175	1.2	176	.0...									
51	1.2D + 1.5Lm2 + 1.0Wm (30 ...	Yes	Y		1	1.2	40	1.5	3	.053	175	1.2	177	.0...									
52	1.2D + 1.5Lm2 + 1.0Wm (60 ...	Yes	Y		1	1.2	40	1.5	4	.053	175	1.2	178	.0...									
53	1.2D + 1.5Lm2 + 1.0Wm (90 ...	Yes	Y		1	1.2	40	1.5	5	.053	175	1.2	179	.0...									
54	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	40	1.5	6	.053	175	1.2	180	.0...									
55	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	40	1.5	7	.053	175	1.2	181	.0...									
56	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	40	1.5	8	.053	175	1.2	182	.0...									
57	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	40	1.5	9	.053	175	1.2	183	.0...									
58	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	40	1.5	10	.053	175	1.2	184	.0...									
59	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	40	1.5	11	.053	175	1.2	185	.0...									
60	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	40	1.5	12	.053	175	1.2	186	.0...									
61	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	40	1.5	13	.053	175	1.2	187	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
62	1.2D + 1.5Lm3 + 1.0Wm (0 d...	Yes	Y		1	1.2	41	1.5	2	.053	175	1.2	176	.0...									
63	1.2D + 1.5Lm3 + 1.0Wm (30 ...	Yes	Y		1	1.2	41	1.5	3	.053	175	1.2	177	.0...									
64	1.2D + 1.5Lm3 + 1.0Wm (60 ...	Yes	Y		1	1.2	41	1.5	4	.053	175	1.2	178	.0...									
65	1.2D + 1.5Lm3 + 1.0Wm (90 ...	Yes	Y		1	1.2	41	1.5	5	.053	175	1.2	179	.0...									
66	1.2D + 1.5Lm3 + 1.0Wm (12...	Yes	Y		1	1.2	41	1.5	6	.053	175	1.2	180	.0...									
67	1.2D + 1.5Lm3 + 1.0Wm (15...	Yes	Y		1	1.2	41	1.5	7	.053	175	1.2	181	.0...									
68	1.2D + 1.5Lm3 + 1.0Wm (18...	Yes	Y		1	1.2	41	1.5	8	.053	175	1.2	182	.0...									
69	1.2D + 1.5Lm3 + 1.0Wm (21...	Yes	Y		1	1.2	41	1.5	9	.053	175	1.2	183	.0...									
70	1.2D + 1.5Lm3 + 1.0Wm (24...	Yes	Y		1	1.2	41	1.5	10	.053	175	1.2	184	.0...									
71	1.2D + 1.5Lm3 + 1.0Wm (27...	Yes	Y		1	1.2	41	1.5	11	.053	175	1.2	185	.0...									
72	1.2D + 1.5Lm3 + 1.0Wm (30...	Yes	Y		1	1.2	41	1.5	12	.053	175	1.2	186	.0...									
73	1.2D + 1.5Lm3 + 1.0Wm (33...	Yes	Y		1	1.2	41	1.5	13	.053	175	1.2	187	.0...									
74	1.2D + 1.5Lm4 + 1.0Wm (0 d...	Yes	Y		1	1.2	42	1.5	2	.053	175	1.2	176	.0...									
75	1.2D + 1.5Lm4 + 1.0Wm (30 ...	Yes	Y		1	1.2	42	1.5	3	.053	175	1.2	177	.0...									
76	1.2D + 1.5Lm4 + 1.0Wm (60 ...	Yes	Y		1	1.2	42	1.5	4	.053	175	1.2	178	.0...									
77	1.2D + 1.5Lm4 + 1.0Wm (90 ...	Yes	Y		1	1.2	42	1.5	5	.053	175	1.2	179	.0...									
78	1.2D + 1.5Lm4 + 1.0Wm (12...	Yes	Y		1	1.2	42	1.5	6	.053	175	1.2	180	.0...									
79	1.2D + 1.5Lm4 + 1.0Wm (15...	Yes	Y		1	1.2	42	1.5	7	.053	175	1.2	181	.0...									
80	1.2D + 1.5Lm4 + 1.0Wm (18...	Yes	Y		1	1.2	42	1.5	8	.053	175	1.2	182	.0...									
81	1.2D + 1.5Lm4 + 1.0Wm (21...	Yes	Y		1	1.2	42	1.5	9	.053	175	1.2	183	.0...									
82	1.2D + 1.5Lm4 + 1.0Wm (24...	Yes	Y		1	1.2	42	1.5	10	.053	175	1.2	184	.0...									
83	1.2D + 1.5Lm4 + 1.0Wm (27...	Yes	Y		1	1.2	42	1.5	11	.053	175	1.2	185	.0...									
84	1.2D + 1.5Lm4 + 1.0Wm (30...	Yes	Y		1	1.2	42	1.5	12	.053	175	1.2	186	.0...									
85	1.2D + 1.5Lm4 + 1.0Wm (33...	Yes	Y		1	1.2	42	1.5	13	.053	175	1.2	187	.0...									
86	1.2D + 1.5Lm5 + 1.0Wm (0 d...	Yes	Y		1	1.2	43	1.5	2	.053	175	1.2	176	.0...									
87	1.2D + 1.5Lm5 + 1.0Wm (30 ...	Yes	Y		1	1.2	43	1.5	3	.053	175	1.2	177	.0...									
88	1.2D + 1.5Lm5 + 1.0Wm (60 ...	Yes	Y		1	1.2	43	1.5	4	.053	175	1.2	178	.0...									
89	1.2D + 1.5Lm5 + 1.0Wm (90 ...	Yes	Y		1	1.2	43	1.5	5	.053	175	1.2	179	.0...									
90	1.2D + 1.5Lm5 + 1.0Wm (12...	Yes	Y		1	1.2	43	1.5	6	.053	175	1.2	180	.0...									
91	1.2D + 1.5Lm5 + 1.0Wm (15...	Yes	Y		1	1.2	43	1.5	7	.053	175	1.2	181	.0...									
92	1.2D + 1.5Lm5 + 1.0Wm (18...	Yes	Y		1	1.2	43	1.5	8	.053	175	1.2	182	.0...									
93	1.2D + 1.5Lm5 + 1.0Wm (21...	Yes	Y		1	1.2	43	1.5	9	.053	175	1.2	183	.0...									
94	1.2D + 1.5Lm5 + 1.0Wm (24...	Yes	Y		1	1.2	43	1.5	10	.053	175	1.2	184	.0...									
95	1.2D + 1.5Lm5 + 1.0Wm (27...	Yes	Y		1	1.2	43	1.5	11	.053	175	1.2	185	.0...									
96	1.2D + 1.5Lm5 + 1.0Wm (30...	Yes	Y		1	1.2	43	1.5	12	.053	175	1.2	186	.0...									
97	1.2D + 1.5Lm5 + 1.0Wm (33...	Yes	Y		1	1.2	43	1.5	13	.053	175	1.2	187	.0...									
98	1.2D + 1.5Lm6 + 1.0Wm (0 d...	Yes	Y		1	1.2	44	1.5	2	.053	175	1.2	176	.0...									
99	1.2D + 1.5Lm6 + 1.0Wm (30 ...	Yes	Y		1	1.2	44	1.5	3	.053	175	1.2	177	.0...									
100	1.2D + 1.5Lm6 + 1.0Wm (60 ...	Yes	Y		1	1.2	44	1.5	4	.053	175	1.2	178	.0...									
101	1.2D + 1.5Lm6 + 1.0Wm (90 ...	Yes	Y		1	1.2	44	1.5	5	.053	175	1.2	179	.0...									
102	1.2D + 1.5Lm6 + 1.0Wm (12...	Yes	Y		1	1.2	44	1.5	6	.053	175	1.2	180	.0...									
103	1.2D + 1.5Lm6 + 1.0Wm (15...	Yes	Y		1	1.2	44	1.5	7	.053	175	1.2	181	.0...									
104	1.2D + 1.5Lm6 + 1.0Wm (18...	Yes	Y		1	1.2	44	1.5	8	.053	175	1.2	182	.0...									
105	1.2D + 1.5Lm6 + 1.0Wm (21...	Yes	Y		1	1.2	44	1.5	9	.053	175	1.2	183	.0...									
106	1.2D + 1.5Lm6 + 1.0Wm (24...	Yes	Y		1	1.2	44	1.5	10	.053	175	1.2	184	.0...									
107	1.2D + 1.5Lm6 + 1.0Wm (27...	Yes	Y		1	1.2	44	1.5	11	.053	175	1.2	185	.0...									
108	1.2D + 1.5Lm6 + 1.0Wm (30...	Yes	Y		1	1.2	44	1.5	12	.053	175	1.2	186	.0...									
109	1.2D + 1.5Lm6 + 1.0Wm (33...	Yes	Y		1	1.2	44	1.5	13	.053	175	1.2	187	.0...									
110	1.2D + 1.5Lm7 + 1.0Wm (0 d...	Yes	Y		1	1.2	45	1.5	2	.053	175	1.2	176	.0...									
111	1.2D + 1.5Lm7 + 1.0Wm (30 ...	Yes	Y		1	1.2	45	1.5	3	.053	175	1.2	177	.0...									
112	1.2D + 1.5Lm7 + 1.0Wm (60 ...	Yes	Y		1	1.2	45	1.5	4	.053	175	1.2	178	.0...									
113	1.2D + 1.5Lm7 + 1.0Wm (90 ...	Yes	Y		1	1.2	45	1.5	5	.053	175	1.2	179	.0...									
114	1.2D + 1.5Lm7 + 1.0Wm (12...	Yes	Y		1	1.2	45	1.5	6	.053	175	1.2	180	.0...									
115	1.2D + 1.5Lm7 + 1.0Wm (15...	Yes	Y		1	1.2	45	1.5	7	.053	175	1.2	181	.0...									
116	1.2D + 1.5Lm7 + 1.0Wm (18...	Yes	Y		1	1.2	45	1.5	8	.053	175	1.2	182	.0...									
117	1.2D + 1.5Lm7 + 1.0Wm (21...	Yes	Y		1	1.2	45	1.5	9	.053	175	1.2	183	.0...									
118	1.2D + 1.5Lm7 + 1.0Wm (24...	Yes	Y		1	1.2	45	1.5	10	.053	175	1.2	184	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
119	1.2D + 1.5Lm7 + 1.0Wm (27...	Yes	Y		1	1.2	45	1.5	11	.053	175	1.2	185	.0...									
120	1.2D + 1.5Lm7 + 1.0Wm (30...	Yes	Y		1	1.2	45	1.5	12	.053	175	1.2	186	.0...									
121	1.2D + 1.5Lm7 + 1.0Wm (33...	Yes	Y		1	1.2	45	1.5	13	.053	175	1.2	187	.0...									
122	1.2D + 1.5Lm8 + 1.0Wm (0 d...	Yes	Y		1	1.2	46	1.5	2	.053	175	1.2	176	.0...									
123	1.2D + 1.5Lm8 + 1.0Wm (30 ...	Yes	Y		1	1.2	46	1.5	3	.053	175	1.2	177	.0...									
124	1.2D + 1.5Lm8 + 1.0Wm (60 ...	Yes	Y		1	1.2	46	1.5	4	.053	175	1.2	178	.0...									
125	1.2D + 1.5Lm8 + 1.0Wm (90 ...	Yes	Y		1	1.2	46	1.5	5	.053	175	1.2	179	.0...									
126	1.2D + 1.5Lm8 + 1.0Wm (12...	Yes	Y		1	1.2	46	1.5	6	.053	175	1.2	180	.0...									
127	1.2D + 1.5Lm8 + 1.0Wm (15...	Yes	Y		1	1.2	46	1.5	7	.053	175	1.2	181	.0...									
128	1.2D + 1.5Lm8 + 1.0Wm (18...	Yes	Y		1	1.2	46	1.5	8	.053	175	1.2	182	.0...									
129	1.2D + 1.5Lm8 + 1.0Wm (21...	Yes	Y		1	1.2	46	1.5	9	.053	175	1.2	183	.0...									
130	1.2D + 1.5Lm8 + 1.0Wm (24...	Yes	Y		1	1.2	46	1.5	10	.053	175	1.2	184	.0...									
131	1.2D + 1.5Lm8 + 1.0Wm (27...	Yes	Y		1	1.2	46	1.5	11	.053	175	1.2	185	.0...									
132	1.2D + 1.5Lm8 + 1.0Wm (30...	Yes	Y		1	1.2	46	1.5	12	.053	175	1.2	186	.0...									
133	1.2D + 1.5Lm8 + 1.0Wm (33...	Yes	Y		1	1.2	46	1.5	13	.053	175	1.2	187	.0...									
134	1.2D + 1.5Lm9 + 1.0Wm (0 d...	Yes	Y		1	1.2	47	1.5	2	.053	175	1.2	176	.0...									
135	1.2D + 1.5Lm9 + 1.0Wm (30 ...	Yes	Y		1	1.2	47	1.5	3	.053	175	1.2	177	.0...									
136	1.2D + 1.5Lm9 + 1.0Wm (60 ...	Yes	Y		1	1.2	47	1.5	4	.053	175	1.2	178	.0...									
137	1.2D + 1.5Lm9 + 1.0Wm (90 ...	Yes	Y		1	1.2	47	1.5	5	.053	175	1.2	179	.0...									
138	1.2D + 1.5Lm9 + 1.0Wm (12...	Yes	Y		1	1.2	47	1.5	6	.053	175	1.2	180	.0...									
139	1.2D + 1.5Lm9 + 1.0Wm (15...	Yes	Y		1	1.2	47	1.5	7	.053	175	1.2	181	.0...									
140	1.2D + 1.5Lm9 + 1.0Wm (18...	Yes	Y		1	1.2	47	1.5	8	.053	175	1.2	182	.0...									
141	1.2D + 1.5Lm9 + 1.0Wm (21...	Yes	Y		1	1.2	47	1.5	9	.053	175	1.2	183	.0...									
142	1.2D + 1.5Lm9 + 1.0Wm (24...	Yes	Y		1	1.2	47	1.5	10	.053	175	1.2	184	.0...									
143	1.2D + 1.5Lm9 + 1.0Wm (27...	Yes	Y		1	1.2	47	1.5	11	.053	175	1.2	185	.0...									
144	1.2D + 1.5Lm9 + 1.0Wm (30...	Yes	Y		1	1.2	47	1.5	12	.053	175	1.2	186	.0...									
145	1.2D + 1.5Lm9 + 1.0Wm (33...	Yes	Y		1	1.2	47	1.5	13	.053	175	1.2	187	.0...									
146	1.2D + 1.5Lm10 + 1.0Wm (0 ...	Yes	Y		1	1.2	48	1.5	2	.053	175	1.2	176	.0...									
147	1.2D + 1.5Lm10 + 1.0Wm (3...	Yes	Y		1	1.2	48	1.5	3	.053	175	1.2	177	.0...									
148	1.2D + 1.5Lm10 + 1.0Wm (6...	Yes	Y		1	1.2	48	1.5	4	.053	175	1.2	178	.0...									
149	1.2D + 1.5Lm10 + 1.0Wm (9...	Yes	Y		1	1.2	48	1.5	5	.053	175	1.2	179	.0...									
150	1.2D + 1.5Lm10 + 1.0Wm (1...	Yes	Y		1	1.2	48	1.5	6	.053	175	1.2	180	.0...									
151	1.2D + 1.5Lm10 + 1.0Wm (1...	Yes	Y		1	1.2	48	1.5	7	.053	175	1.2	181	.0...									
152	1.2D + 1.5Lm10 + 1.0Wm (1...	Yes	Y		1	1.2	48	1.5	8	.053	175	1.2	182	.0...									
153	1.2D + 1.5Lm10 + 1.0Wm (2...	Yes	Y		1	1.2	48	1.5	9	.053	175	1.2	183	.0...									
154	1.2D + 1.5Lm10 + 1.0Wm (2...	Yes	Y		1	1.2	48	1.5	10	.053	175	1.2	184	.0...									
155	1.2D + 1.5Lm10 + 1.0Wm (2...	Yes	Y		1	1.2	48	1.5	11	.053	175	1.2	185	.0...									
156	1.2D + 1.5Lm10 + 1.0Wm (3...	Yes	Y		1	1.2	48	1.5	12	.053	175	1.2	186	.0...									
157	1.2D + 1.5Lm10 + 1.0Wm (3...	Yes	Y		1	1.2	48	1.5	13	.053	175	1.2	187	.0...									
158	1.2D + 1.5Lm11 + 1.0Wm (0 ...	Yes	Y		1	1.2	49	1.5	2	.053	175	1.2	176	.0...									
159	1.2D + 1.5Lm11 + 1.0Wm (3...	Yes	Y		1	1.2	49	1.5	3	.053	175	1.2	177	.0...									
160	1.2D + 1.5Lm11 + 1.0Wm (6...	Yes	Y		1	1.2	49	1.5	4	.053	175	1.2	178	.0...									
161	1.2D + 1.5Lm11 + 1.0Wm (9...	Yes	Y		1	1.2	49	1.5	5	.053	175	1.2	179	.0...									
162	1.2D + 1.5Lm11 + 1.0Wm (1...	Yes	Y		1	1.2	49	1.5	6	.053	175	1.2	180	.0...									
163	1.2D + 1.5Lm11 + 1.0Wm (1...	Yes	Y		1	1.2	49	1.5	7	.053	175	1.2	181	.0...									
164	1.2D + 1.5Lm11 + 1.0Wm (1...	Yes	Y		1	1.2	49	1.5	8	.053	175	1.2	182	.0...									
165	1.2D + 1.5Lm11 + 1.0Wm (2...	Yes	Y		1	1.2	49	1.5	9	.053	175	1.2	183	.0...									
166	1.2D + 1.5Lm11 + 1.0Wm (2...	Yes	Y		1	1.2	49	1.5	10	.053	175	1.2	184	.0...									
167	1.2D + 1.5Lm11 + 1.0Wm (2...	Yes	Y		1	1.2	49	1.5	11	.053	175	1.2	185	.0...									
168	1.2D + 1.5Lm11 + 1.0Wm (3...	Yes	Y		1	1.2	49	1.5	12	.053	175	1.2	186	.0...									
169	1.2D + 1.5Lm11 + 1.0Wm (3...	Yes	Y		1	1.2	49	1.5	13	.053	175	1.2	187	.0...									
170	1.2D + 1.5Lm12 + 1.0Wm (0 ...	Yes	Y		1	1.2	50	1.5	2	.053	175	1.2	176	.0...									
171	1.2D + 1.5Lm12 + 1.0Wm (3...	Yes	Y		1	1.2	50	1.5	3	.053	175	1.2	177	.0...									
172	1.2D + 1.5Lm12 + 1.0Wm (6...	Yes	Y		1	1.2	50	1.5	4	.053	175	1.2	178	.0...									
173	1.2D + 1.5Lm12 + 1.0Wm (9...	Yes	Y		1	1.2	50	1.5	5	.053	175	1.2	179	.0...									
174	1.2D + 1.5Lm12 + 1.0Wm (1...	Yes	Y		1	1.2	50	1.5	6	.053	175	1.2	180	.0...									
175	1.2D + 1.5Lm12 + 1.0Wm (1...	Yes	Y		1	1.2	50	1.5	7	.053	175	1.2	181	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
176	1.2D + 1.5Lm12 + 1.0Wm (1...	Yes	Y		1	1.2	50	1.5	8	.053	175	1.2	182	.0...									
177	1.2D + 1.5Lm12 + 1.0Wm (2...	Yes	Y		1	1.2	50	1.5	9	.053	175	1.2	183	.0...									
178	1.2D + 1.5Lm12 + 1.0Wm (2...	Yes	Y		1	1.2	50	1.5	10	.053	175	1.2	184	.0...									
179	1.2D + 1.5Lm12 + 1.0Wm (2...	Yes	Y		1	1.2	50	1.5	11	.053	175	1.2	185	.0...									
180	1.2D + 1.5Lm12 + 1.0Wm (3...	Yes	Y		1	1.2	50	1.5	12	.053	175	1.2	186	.0...									
181	1.2D + 1.5Lm12 + 1.0Wm (3...	Yes	Y		1	1.2	50	1.5	13	.053	175	1.2	187	.0...									
182	1.2D + 1.5Lm13 + 1.0Wm (0 ...		Y		1	1.2	51	1.5	2	.053	175	1.2	176	.0...									
183	1.2D + 1.5Lm13 + 1.0Wm (3...		Y		1	1.2	51	1.5	3	.053	175	1.2	177	.0...									
184	1.2D + 1.5Lm13 + 1.0Wm (6...		Y		1	1.2	51	1.5	4	.053	175	1.2	178	.0...									
185	1.2D + 1.5Lm13 + 1.0Wm (9...		Y		1	1.2	51	1.5	5	.053	175	1.2	179	.0...									
186	1.2D + 1.5Lm13 + 1.0Wm (1...		Y		1	1.2	51	1.5	6	.053	175	1.2	180	.0...									
187	1.2D + 1.5Lm13 + 1.0Wm (1...		Y		1	1.2	51	1.5	7	.053	175	1.2	181	.0...									
188	1.2D + 1.5Lm13 + 1.0Wm (1...		Y		1	1.2	51	1.5	8	.053	175	1.2	182	.0...									
189	1.2D + 1.5Lm13 + 1.0Wm (2...		Y		1	1.2	51	1.5	9	.053	175	1.2	183	.0...									
190	1.2D + 1.5Lm13 + 1.0Wm (2...		Y		1	1.2	51	1.5	10	.053	175	1.2	184	.0...									
191	1.2D + 1.5Lm13 + 1.0Wm (2...		Y		1	1.2	51	1.5	11	.053	175	1.2	185	.0...									
192	1.2D + 1.5Lm13 + 1.0Wm (3...		Y		1	1.2	51	1.5	12	.053	175	1.2	186	.0...									
193	1.2D + 1.5Lm13 + 1.0Wm (3...		Y		1	1.2	51	1.5	13	.053	175	1.2	187	.0...									
194	1.2D + 1.5Lm14 + 1.0Wm (0 ...		Y		1	1.2	52	1.5	2	.053	175	1.2	176	.0...									
195	1.2D + 1.5Lm14 + 1.0Wm (3...		Y		1	1.2	52	1.5	3	.053	175	1.2	177	.0...									
196	1.2D + 1.5Lm14 + 1.0Wm (6...		Y		1	1.2	52	1.5	4	.053	175	1.2	178	.0...									
197	1.2D + 1.5Lm14 + 1.0Wm (9...		Y		1	1.2	52	1.5	5	.053	175	1.2	179	.0...									
198	1.2D + 1.5Lm14 + 1.0Wm (1...		Y		1	1.2	52	1.5	6	.053	175	1.2	180	.0...									
199	1.2D + 1.5Lm14 + 1.0Wm (1...		Y		1	1.2	52	1.5	7	.053	175	1.2	181	.0...									
200	1.2D + 1.5Lm14 + 1.0Wm (1...		Y		1	1.2	52	1.5	8	.053	175	1.2	182	.0...									
201	1.2D + 1.5Lm14 + 1.0Wm (2...		Y		1	1.2	52	1.5	9	.053	175	1.2	183	.0...									
202	1.2D + 1.5Lm14 + 1.0Wm (2...		Y		1	1.2	52	1.5	10	.053	175	1.2	184	.0...									
203	1.2D + 1.5Lm14 + 1.0Wm (2...		Y		1	1.2	52	1.5	11	.053	175	1.2	185	.0...									
204	1.2D + 1.5Lm14 + 1.0Wm (3...		Y		1	1.2	52	1.5	12	.053	175	1.2	186	.0...									
205	1.2D + 1.5Lm14 + 1.0Wm (3...		Y		1	1.2	52	1.5	13	.053	175	1.2	187	.0...									
206	1.2D + 1.5Lm15 + 1.0Wm (0 ...		Y		1	1.2	53	1.5	2	.053	175	1.2	176	.0...									
207	1.2D + 1.5Lm15 + 1.0Wm (3...		Y		1	1.2	53	1.5	3	.053	175	1.2	177	.0...									
208	1.2D + 1.5Lm15 + 1.0Wm (6...		Y		1	1.2	53	1.5	4	.053	175	1.2	178	.0...									
209	1.2D + 1.5Lm15 + 1.0Wm (9...		Y		1	1.2	53	1.5	5	.053	175	1.2	179	.0...									
210	1.2D + 1.5Lm15 + 1.0Wm (1...		Y		1	1.2	53	1.5	6	.053	175	1.2	180	.0...									
211	1.2D + 1.5Lm15 + 1.0Wm (1...		Y		1	1.2	53	1.5	7	.053	175	1.2	181	.0...									
212	1.2D + 1.5Lm15 + 1.0Wm (1...		Y		1	1.2	53	1.5	8	.053	175	1.2	182	.0...									
213	1.2D + 1.5Lm15 + 1.0Wm (2...		Y		1	1.2	53	1.5	9	.053	175	1.2	183	.0...									
214	1.2D + 1.5Lm15 + 1.0Wm (2...		Y		1	1.2	53	1.5	10	.053	175	1.2	184	.0...									
215	1.2D + 1.5Lm15 + 1.0Wm (2...		Y		1	1.2	53	1.5	11	.053	175	1.2	185	.0...									
216	1.2D + 1.5Lm15 + 1.0Wm (3...		Y		1	1.2	53	1.5	12	.053	175	1.2	186	.0...									
217	1.2D + 1.5Lm15 + 1.0Wm (3...		Y		1	1.2	53	1.5	13	.053	175	1.2	187	.0...									
218	1.2D + 1.5Lm16 + 1.0Wm (0 ...		Y		1	1.2	54	1.5	2	.053	175	1.2	176	.0...									
219	1.2D + 1.5Lm16 + 1.0Wm (3...		Y		1	1.2	54	1.5	3	.053	175	1.2	177	.0...									
220	1.2D + 1.5Lm16 + 1.0Wm (6...		Y		1	1.2	54	1.5	4	.053	175	1.2	178	.0...									
221	1.2D + 1.5Lm16 + 1.0Wm (9...		Y		1	1.2	54	1.5	5	.053	175	1.2	179	.0...									
222	1.2D + 1.5Lm16 + 1.0Wm (1...		Y		1	1.2	54	1.5	6	.053	175	1.2	180	.0...									
223	1.2D + 1.5Lm16 + 1.0Wm (1...		Y		1	1.2	54	1.5	7	.053	175	1.2	181	.0...									
224	1.2D + 1.5Lm16 + 1.0Wm (1...		Y		1	1.2	54	1.5	8	.053	175	1.2	182	.0...									
225	1.2D + 1.5Lm16 + 1.0Wm (2...		Y		1	1.2	54	1.5	9	.053	175	1.2	183	.0...									
226	1.2D + 1.5Lm16 + 1.0Wm (2...		Y		1	1.2	54	1.5	10	.053	175	1.2	184	.0...									
227	1.2D + 1.5Lm16 + 1.0Wm (2...		Y		1	1.2	54	1.5	11	.053	175	1.2	185	.0...									
228	1.2D + 1.5Lm16 + 1.0Wm (3...		Y		1	1.2	54	1.5	12	.053	175	1.2	186	.0...									
229	1.2D + 1.5Lm16 + 1.0Wm (3...		Y		1	1.2	54	1.5	13	.053	175	1.2	187	.0...									
230	1.2D + 1.5Lm17 + 1.0Wm (0 ...		Y		1	1.2	55	1.5	2	.053	175	1.2	176	.0...									
231	1.2D + 1.5Lm17 + 1.0Wm (3...		Y		1	1.2	55	1.5	3	.053	175	1.2	177	.0...									
232	1.2D + 1.5Lm17 + 1.0Wm (6...		Y		1	1.2	55	1.5	4	.053	175	1.2	178	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
233	1.2D + 1.5Lm17 + 1.0Wm (9...		Y		1	1.2	55	1.5	5	.053	175	1.2	179	.0...									
234	1.2D + 1.5Lm17 + 1.0Wm (1...		Y		1	1.2	55	1.5	6	.053	175	1.2	180	.0...									
235	1.2D + 1.5Lm17 + 1.0Wm (1...		Y		1	1.2	55	1.5	7	.053	175	1.2	181	.0...									
236	1.2D + 1.5Lm17 + 1.0Wm (1...		Y		1	1.2	55	1.5	8	.053	175	1.2	182	.0...									
237	1.2D + 1.5Lm17 + 1.0Wm (2...		Y		1	1.2	55	1.5	9	.053	175	1.2	183	.0...									
238	1.2D + 1.5Lm17 + 1.0Wm (2...		Y		1	1.2	55	1.5	10	.053	175	1.2	184	.0...									
239	1.2D + 1.5Lm17 + 1.0Wm (2...		Y		1	1.2	55	1.5	11	.053	175	1.2	185	.0...									
240	1.2D + 1.5Lm17 + 1.0Wm (3...		Y		1	1.2	55	1.5	12	.053	175	1.2	186	.0...									
241	1.2D + 1.5Lm17 + 1.0Wm (3...		Y		1	1.2	55	1.5	13	.053	175	1.2	187	.0...									
242	1.2D + 1.5Lm18 + 1.0Wm (0 ...		Y		1	1.2	56	1.5	2	.053	175	1.2	176	.0...									
243	1.2D + 1.5Lm18 + 1.0Wm (3...		Y		1	1.2	56	1.5	3	.053	175	1.2	177	.0...									
244	1.2D + 1.5Lm18 + 1.0Wm (6...		Y		1	1.2	56	1.5	4	.053	175	1.2	178	.0...									
245	1.2D + 1.5Lm18 + 1.0Wm (9...		Y		1	1.2	56	1.5	5	.053	175	1.2	179	.0...									
246	1.2D + 1.5Lm18 + 1.0Wm (1...		Y		1	1.2	56	1.5	6	.053	175	1.2	180	.0...									
247	1.2D + 1.5Lm18 + 1.0Wm (1...		Y		1	1.2	56	1.5	7	.053	175	1.2	181	.0...									
248	1.2D + 1.5Lm18 + 1.0Wm (1...		Y		1	1.2	56	1.5	8	.053	175	1.2	182	.0...									
249	1.2D + 1.5Lm18 + 1.0Wm (2...		Y		1	1.2	56	1.5	9	.053	175	1.2	183	.0...									
250	1.2D + 1.5Lm18 + 1.0Wm (2...		Y		1	1.2	56	1.5	10	.053	175	1.2	184	.0...									
251	1.2D + 1.5Lm18 + 1.0Wm (2...		Y		1	1.2	56	1.5	11	.053	175	1.2	185	.0...									
252	1.2D + 1.5Lm18 + 1.0Wm (3...		Y		1	1.2	56	1.5	12	.053	175	1.2	186	.0...									
253	1.2D + 1.5Lm18 + 1.0Wm (3...		Y		1	1.2	56	1.5	13	.053	175	1.2	187	.0...									
254	1.2D + 1.5Lm19 + 1.0Wm (0 ...		Y		1	1.2	57	1.5	2	.053	175	1.2	176	.0...									
255	1.2D + 1.5Lm19 + 1.0Wm (3...		Y		1	1.2	57	1.5	3	.053	175	1.2	177	.0...									
256	1.2D + 1.5Lm19 + 1.0Wm (6...		Y		1	1.2	57	1.5	4	.053	175	1.2	178	.0...									
257	1.2D + 1.5Lm19 + 1.0Wm (9...		Y		1	1.2	57	1.5	5	.053	175	1.2	179	.0...									
258	1.2D + 1.5Lm19 + 1.0Wm (1...		Y		1	1.2	57	1.5	6	.053	175	1.2	180	.0...									
259	1.2D + 1.5Lm19 + 1.0Wm (1...		Y		1	1.2	57	1.5	7	.053	175	1.2	181	.0...									
260	1.2D + 1.5Lm19 + 1.0Wm (1...		Y		1	1.2	57	1.5	8	.053	175	1.2	182	.0...									
261	1.2D + 1.5Lm19 + 1.0Wm (2...		Y		1	1.2	57	1.5	9	.053	175	1.2	183	.0...									
262	1.2D + 1.5Lm19 + 1.0Wm (2...		Y		1	1.2	57	1.5	10	.053	175	1.2	184	.0...									
263	1.2D + 1.5Lm19 + 1.0Wm (2...		Y		1	1.2	57	1.5	11	.053	175	1.2	185	.0...									
264	1.2D + 1.5Lm19 + 1.0Wm (3...		Y		1	1.2	57	1.5	12	.053	175	1.2	186	.0...									
265	1.2D + 1.5Lm19 + 1.0Wm (3...		Y		1	1.2	57	1.5	13	.053	175	1.2	187	.0...									
266	1.2D + 1.5Lm20 + 1.0Wm (0 ...		Y		1	1.2	58	1.5	2	.053	175	1.2	176	.0...									
267	1.2D + 1.5Lm20 + 1.0Wm (3...		Y		1	1.2	58	1.5	3	.053	175	1.2	177	.0...									
268	1.2D + 1.5Lm20 + 1.0Wm (6...		Y		1	1.2	58	1.5	4	.053	175	1.2	178	.0...									
269	1.2D + 1.5Lm20 + 1.0Wm (9...		Y		1	1.2	58	1.5	5	.053	175	1.2	179	.0...									
270	1.2D + 1.5Lm20 + 1.0Wm (1...		Y		1	1.2	58	1.5	6	.053	175	1.2	180	.0...									
271	1.2D + 1.5Lm20 + 1.0Wm (1...		Y		1	1.2	58	1.5	7	.053	175	1.2	181	.0...									
272	1.2D + 1.5Lm20 + 1.0Wm (1...		Y		1	1.2	58	1.5	8	.053	175	1.2	182	.0...									
273	1.2D + 1.5Lm20 + 1.0Wm (2...		Y		1	1.2	58	1.5	9	.053	175	1.2	183	.0...									
274	1.2D + 1.5Lm20 + 1.0Wm (2...		Y		1	1.2	58	1.5	10	.053	175	1.2	184	.0...									
275	1.2D + 1.5Lm20 + 1.0Wm (2...		Y		1	1.2	58	1.5	11	.053	175	1.2	185	.0...									
276	1.2D + 1.5Lm20 + 1.0Wm (3...		Y		1	1.2	58	1.5	12	.053	175	1.2	186	.0...									
277	1.2D + 1.5Lm20 + 1.0Wm (3...		Y		1	1.2	58	1.5	13	.053	175	1.2	187	.0...									
278	1.2D + 1.5Lm21 + 1.0Wm (0 ...		Y		1	1.2	59	1.5	2	.053	175	1.2	176	.0...									
279	1.2D + 1.5Lm21 + 1.0Wm (3...		Y		1	1.2	59	1.5	3	.053	175	1.2	177	.0...									
280	1.2D + 1.5Lm21 + 1.0Wm (6...		Y		1	1.2	59	1.5	4	.053	175	1.2	178	.0...									
281	1.2D + 1.5Lm21 + 1.0Wm (9...		Y		1	1.2	59	1.5	5	.053	175	1.2	179	.0...									
282	1.2D + 1.5Lm21 + 1.0Wm (1...		Y		1	1.2	59	1.5	6	.053	175	1.2	180	.0...									
283	1.2D + 1.5Lm21 + 1.0Wm (1...		Y		1	1.2	59	1.5	7	.053	175	1.2	181	.0...									
284	1.2D + 1.5Lm21 + 1.0Wm (1...		Y		1	1.2	59	1.5	8	.053	175	1.2	182	.0...									
285	1.2D + 1.5Lm21 + 1.0Wm (2...		Y		1	1.2	59	1.5	9	.053	175	1.2	183	.0...									
286	1.2D + 1.5Lm21 + 1.0Wm (2...		Y		1	1.2	59	1.5	10	.053	175	1.2	184	.0...									
287	1.2D + 1.5Lm21 + 1.0Wm (2...		Y		1	1.2	59	1.5	11	.053	175	1.2	185	.0...									
288	1.2D + 1.5Lm21 + 1.0Wm (3...		Y		1	1.2	59	1.5	12	.053	175	1.2	186	.0...									
289	1.2D + 1.5Lm21 + 1.0Wm (3...		Y		1	1.2	59	1.5	13	.053	175	1.2	187	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
290	1.2D + 1.5Lm22 + 1.0Wm (0 ...		Y		1	1.2	60	1.5	2	.053	175	1.2	176	.0...									
291	1.2D + 1.5Lm22 + 1.0Wm (3...		Y		1	1.2	60	1.5	3	.053	175	1.2	177	.0...									
292	1.2D + 1.5Lm22 + 1.0Wm (6...		Y		1	1.2	60	1.5	4	.053	175	1.2	178	.0...									
293	1.2D + 1.5Lm22 + 1.0Wm (9...		Y		1	1.2	60	1.5	5	.053	175	1.2	179	.0...									
294	1.2D + 1.5Lm22 + 1.0Wm (1...		Y		1	1.2	60	1.5	6	.053	175	1.2	180	.0...									
295	1.2D + 1.5Lm22 + 1.0Wm (1...		Y		1	1.2	60	1.5	7	.053	175	1.2	181	.0...									
296	1.2D + 1.5Lm22 + 1.0Wm (1...		Y		1	1.2	60	1.5	8	.053	175	1.2	182	.0...									
297	1.2D + 1.5Lm22 + 1.0Wm (2...		Y		1	1.2	60	1.5	9	.053	175	1.2	183	.0...									
298	1.2D + 1.5Lm22 + 1.0Wm (2...		Y		1	1.2	60	1.5	10	.053	175	1.2	184	.0...									
299	1.2D + 1.5Lm22 + 1.0Wm (2...		Y		1	1.2	60	1.5	11	.053	175	1.2	185	.0...									
300	1.2D + 1.5Lm22 + 1.0Wm (3...		Y		1	1.2	60	1.5	12	.053	175	1.2	186	.0...									
301	1.2D + 1.5Lm22 + 1.0Wm (3...		Y		1	1.2	60	1.5	13	.053	175	1.2	187	.0...									
302	1.2D + 1.5Lm23 + 1.0Wm (0 ...		Y		1	1.2	61	1.5	2	.053	175	1.2	176	.0...									
303	1.2D + 1.5Lm23 + 1.0Wm (3...		Y		1	1.2	61	1.5	3	.053	175	1.2	177	.0...									
304	1.2D + 1.5Lm23 + 1.0Wm (6...		Y		1	1.2	61	1.5	4	.053	175	1.2	178	.0...									
305	1.2D + 1.5Lm23 + 1.0Wm (9...		Y		1	1.2	61	1.5	5	.053	175	1.2	179	.0...									
306	1.2D + 1.5Lm23 + 1.0Wm (1...		Y		1	1.2	61	1.5	6	.053	175	1.2	180	.0...									
307	1.2D + 1.5Lm23 + 1.0Wm (1...		Y		1	1.2	61	1.5	7	.053	175	1.2	181	.0...									
308	1.2D + 1.5Lm23 + 1.0Wm (1...		Y		1	1.2	61	1.5	8	.053	175	1.2	182	.0...									
309	1.2D + 1.5Lm23 + 1.0Wm (2...		Y		1	1.2	61	1.5	9	.053	175	1.2	183	.0...									
310	1.2D + 1.5Lm23 + 1.0Wm (2...		Y		1	1.2	61	1.5	10	.053	175	1.2	184	.0...									
311	1.2D + 1.5Lm23 + 1.0Wm (2...		Y		1	1.2	61	1.5	11	.053	175	1.2	185	.0...									
312	1.2D + 1.5Lm23 + 1.0Wm (3...		Y		1	1.2	61	1.5	12	.053	175	1.2	186	.0...									
313	1.2D + 1.5Lm23 + 1.0Wm (3...		Y		1	1.2	61	1.5	13	.053	175	1.2	187	.0...									
314	1.2D + 1.5Lm24 + 1.0Wm (0 ...		Y		1	1.2	62	1.5	2	.053	175	1.2	176	.0...									
315	1.2D + 1.5Lm24 + 1.0Wm (3...		Y		1	1.2	62	1.5	3	.053	175	1.2	177	.0...									
316	1.2D + 1.5Lm24 + 1.0Wm (6...		Y		1	1.2	62	1.5	4	.053	175	1.2	178	.0...									
317	1.2D + 1.5Lm24 + 1.0Wm (9...		Y		1	1.2	62	1.5	5	.053	175	1.2	179	.0...									
318	1.2D + 1.5Lm24 + 1.0Wm (1...		Y		1	1.2	62	1.5	6	.053	175	1.2	180	.0...									
319	1.2D + 1.5Lm24 + 1.0Wm (1...		Y		1	1.2	62	1.5	7	.053	175	1.2	181	.0...									
320	1.2D + 1.5Lm24 + 1.0Wm (1...		Y		1	1.2	62	1.5	8	.053	175	1.2	182	.0...									
321	1.2D + 1.5Lm24 + 1.0Wm (2...		Y		1	1.2	62	1.5	9	.053	175	1.2	183	.0...									
322	1.2D + 1.5Lm24 + 1.0Wm (2...		Y		1	1.2	62	1.5	10	.053	175	1.2	184	.0...									
323	1.2D + 1.5Lm24 + 1.0Wm (2...		Y		1	1.2	62	1.5	11	.053	175	1.2	185	.0...									
324	1.2D + 1.5Lm24 + 1.0Wm (3...		Y		1	1.2	62	1.5	12	.053	175	1.2	186	.0...									
325	1.2D + 1.5Lm24 + 1.0Wm (3...		Y		1	1.2	62	1.5	13	.053	175	1.2	187	.0...									
326	1.2D + 1.5Lm25 + 1.0Wm (0 ...		Y		1	1.2	63	1.5	2	.053	175	1.2	176	.0...									
327	1.2D + 1.5Lm25 + 1.0Wm (3...		Y		1	1.2	63	1.5	3	.053	175	1.2	177	.0...									
328	1.2D + 1.5Lm25 + 1.0Wm (6...		Y		1	1.2	63	1.5	4	.053	175	1.2	178	.0...									
329	1.2D + 1.5Lm25 + 1.0Wm (9...		Y		1	1.2	63	1.5	5	.053	175	1.2	179	.0...									
330	1.2D + 1.5Lm25 + 1.0Wm (1...		Y		1	1.2	63	1.5	6	.053	175	1.2	180	.0...									
331	1.2D + 1.5Lm25 + 1.0Wm (1...		Y		1	1.2	63	1.5	7	.053	175	1.2	181	.0...									
332	1.2D + 1.5Lm25 + 1.0Wm (1...		Y		1	1.2	63	1.5	8	.053	175	1.2	182	.0...									
333	1.2D + 1.5Lm25 + 1.0Wm (2...		Y		1	1.2	63	1.5	9	.053	175	1.2	183	.0...									
334	1.2D + 1.5Lm25 + 1.0Wm (2...		Y		1	1.2	63	1.5	10	.053	175	1.2	184	.0...									
335	1.2D + 1.5Lm25 + 1.0Wm (2...		Y		1	1.2	63	1.5	11	.053	175	1.2	185	.0...									
336	1.2D + 1.5Lm25 + 1.0Wm (3...		Y		1	1.2	63	1.5	12	.053	175	1.2	186	.0...									
337	1.2D + 1.5Lm25 + 1.0Wm (3...		Y		1	1.2	63	1.5	13	.053	175	1.2	187	.0...									
338	1.2D + 1.5Lm26 + 1.0Wm (0 ...		Y		1	1.2	64	1.5	2	.053	175	1.2	176	.0...									
339	1.2D + 1.5Lm26 + 1.0Wm (3...		Y		1	1.2	64	1.5	3	.053	175	1.2	177	.0...									
340	1.2D + 1.5Lm26 + 1.0Wm (6...		Y		1	1.2	64	1.5	4	.053	175	1.2	178	.0...									
341	1.2D + 1.5Lm26 + 1.0Wm (9...		Y		1	1.2	64	1.5	5	.053	175	1.2	179	.0...									
342	1.2D + 1.5Lm26 + 1.0Wm (1...		Y		1	1.2	64	1.5	6	.053	175	1.2	180	.0...									
343	1.2D + 1.5Lm26 + 1.0Wm (1...		Y		1	1.2	64	1.5	7	.053	175	1.2	181	.0...									
344	1.2D + 1.5Lm26 + 1.0Wm (1...		Y		1	1.2	64	1.5	8	.053	175	1.2	182	.0...									
345	1.2D + 1.5Lm26 + 1.0Wm (2...		Y		1	1.2	64	1.5	9	.053	175	1.2	183	.0...									
346	1.2D + 1.5Lm26 + 1.0Wm (2...		Y		1	1.2	64	1.5	10	.053	175	1.2	184	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
347	1.2D + 1.5Lm26 + 1.0Wm (2...		Y		1	1.2	64	1.5	11	.053	175	1.2	185	.0...									
348	1.2D + 1.5Lm26 + 1.0Wm (3...		Y		1	1.2	64	1.5	12	.053	175	1.2	186	.0...									
349	1.2D + 1.5Lm26 + 1.0Wm (3...		Y		1	1.2	64	1.5	13	.053	175	1.2	187	.0...									
350	1.2D + 1.5Lm27 + 1.0Wm (0 ...		Y		1	1.2	65	1.5	2	.053	175	1.2	176	.0...									
351	1.2D + 1.5Lm27 + 1.0Wm (3...		Y		1	1.2	65	1.5	3	.053	175	1.2	177	.0...									
352	1.2D + 1.5Lm27 + 1.0Wm (6...		Y		1	1.2	65	1.5	4	.053	175	1.2	178	.0...									
353	1.2D + 1.5Lm27 + 1.0Wm (9...		Y		1	1.2	65	1.5	5	.053	175	1.2	179	.0...									
354	1.2D + 1.5Lm27 + 1.0Wm (1...		Y		1	1.2	65	1.5	6	.053	175	1.2	180	.0...									
355	1.2D + 1.5Lm27 + 1.0Wm (1...		Y		1	1.2	65	1.5	7	.053	175	1.2	181	.0...									
356	1.2D + 1.5Lm27 + 1.0Wm (1...		Y		1	1.2	65	1.5	8	.053	175	1.2	182	.0...									
357	1.2D + 1.5Lm27 + 1.0Wm (2...		Y		1	1.2	65	1.5	9	.053	175	1.2	183	.0...									
358	1.2D + 1.5Lm27 + 1.0Wm (2...		Y		1	1.2	65	1.5	10	.053	175	1.2	184	.0...									
359	1.2D + 1.5Lm27 + 1.0Wm (2...		Y		1	1.2	65	1.5	11	.053	175	1.2	185	.0...									
360	1.2D + 1.5Lm27 + 1.0Wm (3...		Y		1	1.2	65	1.5	12	.053	175	1.2	186	.0...									
361	1.2D + 1.5Lm27 + 1.0Wm (3...		Y		1	1.2	65	1.5	13	.053	175	1.2	187	.0...									
362	1.2D + 1.5Lm28 + 1.0Wm (0 ...		Y		1	1.2	66	1.5	2	.053	175	1.2	176	.0...									
363	1.2D + 1.5Lm28 + 1.0Wm (3...		Y		1	1.2	66	1.5	3	.053	175	1.2	177	.0...									
364	1.2D + 1.5Lm28 + 1.0Wm (6...		Y		1	1.2	66	1.5	4	.053	175	1.2	178	.0...									
365	1.2D + 1.5Lm28 + 1.0Wm (9...		Y		1	1.2	66	1.5	5	.053	175	1.2	179	.0...									
366	1.2D + 1.5Lm28 + 1.0Wm (1...		Y		1	1.2	66	1.5	6	.053	175	1.2	180	.0...									
367	1.2D + 1.5Lm28 + 1.0Wm (1...		Y		1	1.2	66	1.5	7	.053	175	1.2	181	.0...									
368	1.2D + 1.5Lm28 + 1.0Wm (1...		Y		1	1.2	66	1.5	8	.053	175	1.2	182	.0...									
369	1.2D + 1.5Lm28 + 1.0Wm (2...		Y		1	1.2	66	1.5	9	.053	175	1.2	183	.0...									
370	1.2D + 1.5Lm28 + 1.0Wm (2...		Y		1	1.2	66	1.5	10	.053	175	1.2	184	.0...									
371	1.2D + 1.5Lm28 + 1.0Wm (2...		Y		1	1.2	66	1.5	11	.053	175	1.2	185	.0...									
372	1.2D + 1.5Lm28 + 1.0Wm (3...		Y		1	1.2	66	1.5	12	.053	175	1.2	186	.0...									
373	1.2D + 1.5Lm28 + 1.0Wm (3...		Y		1	1.2	66	1.5	13	.053	175	1.2	187	.0...									
374	1.2D + 1.5Lm29 + 1.0Wm (0 ...		Y		1	1.2	67	1.5	2	.053	175	1.2	176	.0...									
375	1.2D + 1.5Lm29 + 1.0Wm (3...		Y		1	1.2	67	1.5	3	.053	175	1.2	177	.0...									
376	1.2D + 1.5Lm29 + 1.0Wm (6...		Y		1	1.2	67	1.5	4	.053	175	1.2	178	.0...									
377	1.2D + 1.5Lm29 + 1.0Wm (9...		Y		1	1.2	67	1.5	5	.053	175	1.2	179	.0...									
378	1.2D + 1.5Lm29 + 1.0Wm (1...		Y		1	1.2	67	1.5	6	.053	175	1.2	180	.0...									
379	1.2D + 1.5Lm29 + 1.0Wm (1...		Y		1	1.2	67	1.5	7	.053	175	1.2	181	.0...									
380	1.2D + 1.5Lm29 + 1.0Wm (1...		Y		1	1.2	67	1.5	8	.053	175	1.2	182	.0...									
381	1.2D + 1.5Lm29 + 1.0Wm (2...		Y		1	1.2	67	1.5	9	.053	175	1.2	183	.0...									
382	1.2D + 1.5Lm29 + 1.0Wm (2...		Y		1	1.2	67	1.5	10	.053	175	1.2	184	.0...									
383	1.2D + 1.5Lm29 + 1.0Wm (2...		Y		1	1.2	67	1.5	11	.053	175	1.2	185	.0...									
384	1.2D + 1.5Lm29 + 1.0Wm (3...		Y		1	1.2	67	1.5	12	.053	175	1.2	186	.0...									
385	1.2D + 1.5Lm29 + 1.0Wm (3...		Y		1	1.2	67	1.5	13	.053	175	1.2	187	.0...									
386	1.2D + 1.5Lm30 + 1.0Wm (0 ...		Y		1	1.2	68	1.5	2	.053	175	1.2	176	.0...									
387	1.2D + 1.5Lm30 + 1.0Wm (3...		Y		1	1.2	68	1.5	3	.053	175	1.2	177	.0...									
388	1.2D + 1.5Lm30 + 1.0Wm (6...		Y		1	1.2	68	1.5	4	.053	175	1.2	178	.0...									
389	1.2D + 1.5Lm30 + 1.0Wm (9...		Y		1	1.2	68	1.5	5	.053	175	1.2	179	.0...									
390	1.2D + 1.5Lm30 + 1.0Wm (1...		Y		1	1.2	68	1.5	6	.053	175	1.2	180	.0...									
391	1.2D + 1.5Lm30 + 1.0Wm (1...		Y		1	1.2	68	1.5	7	.053	175	1.2	181	.0...									
392	1.2D + 1.5Lm30 + 1.0Wm (1...		Y		1	1.2	68	1.5	8	.053	175	1.2	182	.0...									
393	1.2D + 1.5Lm30 + 1.0Wm (2...		Y		1	1.2	68	1.5	9	.053	175	1.2	183	.0...									
394	1.2D + 1.5Lm30 + 1.0Wm (2...		Y		1	1.2	68	1.5	10	.053	175	1.2	184	.0...									
395	1.2D + 1.5Lm30 + 1.0Wm (2...		Y		1	1.2	68	1.5	11	.053	175	1.2	185	.0...									
396	1.2D + 1.5Lm30 + 1.0Wm (3...		Y		1	1.2	68	1.5	12	.053	175	1.2	186	.0...									
397	1.2D + 1.5Lm30 + 1.0Wm (3...		Y		1	1.2	68	1.5	13	.053	175	1.2	187	.0...									
398	1.2D + 1.5Lm31 + 1.0Wm (0 ...		Y		1	1.2	69	1.5	2	.053	175	1.2	176	.0...									
399	1.2D + 1.5Lm31 + 1.0Wm (3...		Y		1	1.2	69	1.5	3	.053	175	1.2	177	.0...									
400	1.2D + 1.5Lm31 + 1.0Wm (6...		Y		1	1.2	69	1.5	4	.053	175	1.2	178	.0...									
401	1.2D + 1.5Lm31 + 1.0Wm (9...		Y		1	1.2	69	1.5	5	.053	175	1.2	179	.0...									
402	1.2D + 1.5Lm31 + 1.0Wm (1...		Y		1	1.2	69	1.5	6	.053	175	1.2	180	.0...									
403	1.2D + 1.5Lm31 + 1.0Wm (1...		Y		1	1.2	69	1.5	7	.053	175	1.2	181	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
404	1.2D + 1.5Lm31 + 1.0Wm (1...		Y		1	1.2	69	1.5	8	.053	175	1.2	182	.0...									
405	1.2D + 1.5Lm31 + 1.0Wm (2...		Y		1	1.2	69	1.5	9	.053	175	1.2	183	.0...									
406	1.2D + 1.5Lm31 + 1.0Wm (2...		Y		1	1.2	69	1.5	10	.053	175	1.2	184	.0...									
407	1.2D + 1.5Lm31 + 1.0Wm (2...		Y		1	1.2	69	1.5	11	.053	175	1.2	185	.0...									
408	1.2D + 1.5Lm31 + 1.0Wm (3...		Y		1	1.2	69	1.5	12	.053	175	1.2	186	.0...									
409	1.2D + 1.5Lm31 + 1.0Wm (3...		Y		1	1.2	69	1.5	13	.053	175	1.2	187	.0...									
410	1.2D + 1.5Lm32 + 1.0Wm (0 ...		Y		1	1.2	70	1.5	2	.053	175	1.2	176	.0...									
411	1.2D + 1.5Lm32 + 1.0Wm (3...		Y		1	1.2	70	1.5	3	.053	175	1.2	177	.0...									
412	1.2D + 1.5Lm32 + 1.0Wm (6...		Y		1	1.2	70	1.5	4	.053	175	1.2	178	.0...									
413	1.2D + 1.5Lm32 + 1.0Wm (9...		Y		1	1.2	70	1.5	5	.053	175	1.2	179	.0...									
414	1.2D + 1.5Lm32 + 1.0Wm (1...		Y		1	1.2	70	1.5	6	.053	175	1.2	180	.0...									
415	1.2D + 1.5Lm32 + 1.0Wm (1...		Y		1	1.2	70	1.5	7	.053	175	1.2	181	.0...									
416	1.2D + 1.5Lm32 + 1.0Wm (1...		Y		1	1.2	70	1.5	8	.053	175	1.2	182	.0...									
417	1.2D + 1.5Lm32 + 1.0Wm (2...		Y		1	1.2	70	1.5	9	.053	175	1.2	183	.0...									
418	1.2D + 1.5Lm32 + 1.0Wm (2...		Y		1	1.2	70	1.5	10	.053	175	1.2	184	.0...									
419	1.2D + 1.5Lm32 + 1.0Wm (2...		Y		1	1.2	70	1.5	11	.053	175	1.2	185	.0...									
420	1.2D + 1.5Lm32 + 1.0Wm (3...		Y		1	1.2	70	1.5	12	.053	175	1.2	186	.0...									
421	1.2D + 1.5Lm32 + 1.0Wm (3...		Y		1	1.2	70	1.5	13	.053	175	1.2	187	.0...									
422	1.2D + 1.5Lm33 + 1.0Wm (0 ...		Y		1	1.2	71	1.5	2	.053	175	1.2	176	.0...									
423	1.2D + 1.5Lm33 + 1.0Wm (3...		Y		1	1.2	71	1.5	3	.053	175	1.2	177	.0...									
424	1.2D + 1.5Lm33 + 1.0Wm (6...		Y		1	1.2	71	1.5	4	.053	175	1.2	178	.0...									
425	1.2D + 1.5Lm33 + 1.0Wm (9...		Y		1	1.2	71	1.5	5	.053	175	1.2	179	.0...									
426	1.2D + 1.5Lm33 + 1.0Wm (1...		Y		1	1.2	71	1.5	6	.053	175	1.2	180	.0...									
427	1.2D + 1.5Lm33 + 1.0Wm (1...		Y		1	1.2	71	1.5	7	.053	175	1.2	181	.0...									
428	1.2D + 1.5Lm33 + 1.0Wm (1...		Y		1	1.2	71	1.5	8	.053	175	1.2	182	.0...									
429	1.2D + 1.5Lm33 + 1.0Wm (2...		Y		1	1.2	71	1.5	9	.053	175	1.2	183	.0...									
430	1.2D + 1.5Lm33 + 1.0Wm (2...		Y		1	1.2	71	1.5	10	.053	175	1.2	184	.0...									
431	1.2D + 1.5Lm33 + 1.0Wm (2...		Y		1	1.2	71	1.5	11	.053	175	1.2	185	.0...									
432	1.2D + 1.5Lm33 + 1.0Wm (3...		Y		1	1.2	71	1.5	12	.053	175	1.2	186	.0...									
433	1.2D + 1.5Lm33 + 1.0Wm (3...		Y		1	1.2	71	1.5	13	.053	175	1.2	187	.0...									
434	1.2D + 1.5Lm34 + 1.0Wm (0 ...		Y		1	1.2	72	1.5	2	.053	175	1.2	176	.0...									
435	1.2D + 1.5Lm34 + 1.0Wm (3...		Y		1	1.2	72	1.5	3	.053	175	1.2	177	.0...									
436	1.2D + 1.5Lm34 + 1.0Wm (6...		Y		1	1.2	72	1.5	4	.053	175	1.2	178	.0...									
437	1.2D + 1.5Lm34 + 1.0Wm (9...		Y		1	1.2	72	1.5	5	.053	175	1.2	179	.0...									
438	1.2D + 1.5Lm34 + 1.0Wm (1...		Y		1	1.2	72	1.5	6	.053	175	1.2	180	.0...									
439	1.2D + 1.5Lm34 + 1.0Wm (1...		Y		1	1.2	72	1.5	7	.053	175	1.2	181	.0...									
440	1.2D + 1.5Lm34 + 1.0Wm (1...		Y		1	1.2	72	1.5	8	.053	175	1.2	182	.0...									
441	1.2D + 1.5Lm34 + 1.0Wm (2...		Y		1	1.2	72	1.5	9	.053	175	1.2	183	.0...									
442	1.2D + 1.5Lm34 + 1.0Wm (2...		Y		1	1.2	72	1.5	10	.053	175	1.2	184	.0...									
443	1.2D + 1.5Lm34 + 1.0Wm (2...		Y		1	1.2	72	1.5	11	.053	175	1.2	185	.0...									
444	1.2D + 1.5Lm34 + 1.0Wm (3...		Y		1	1.2	72	1.5	12	.053	175	1.2	186	.0...									
445	1.2D + 1.5Lm34 + 1.0Wm (3...		Y		1	1.2	72	1.5	13	.053	175	1.2	187	.0...									
446	1.2D + 1.5Lm35 + 1.0Wm (0 ...		Y		1	1.2	73	1.5	2	.053	175	1.2	176	.0...									
447	1.2D + 1.5Lm35 + 1.0Wm (3...		Y		1	1.2	73	1.5	3	.053	175	1.2	177	.0...									
448	1.2D + 1.5Lm35 + 1.0Wm (6...		Y		1	1.2	73	1.5	4	.053	175	1.2	178	.0...									
449	1.2D + 1.5Lm35 + 1.0Wm (9...		Y		1	1.2	73	1.5	5	.053	175	1.2	179	.0...									
450	1.2D + 1.5Lm35 + 1.0Wm (1...		Y		1	1.2	73	1.5	6	.053	175	1.2	180	.0...									
451	1.2D + 1.5Lm35 + 1.0Wm (1...		Y		1	1.2	73	1.5	7	.053	175	1.2	181	.0...									
452	1.2D + 1.5Lm35 + 1.0Wm (1...		Y		1	1.2	73	1.5	8	.053	175	1.2	182	.0...									
453	1.2D + 1.5Lm35 + 1.0Wm (2...		Y		1	1.2	73	1.5	9	.053	175	1.2	183	.0...									
454	1.2D + 1.5Lm35 + 1.0Wm (2...		Y		1	1.2	73	1.5	10	.053	175	1.2	184	.0...									
455	1.2D + 1.5Lm35 + 1.0Wm (2...		Y		1	1.2	73	1.5	11	.053	175	1.2	185	.0...									
456	1.2D + 1.5Lm35 + 1.0Wm (3...		Y		1	1.2	73	1.5	12	.053	175	1.2	186	.0...									
457	1.2D + 1.5Lm35 + 1.0Wm (3...		Y		1	1.2	73	1.5	13	.053	175	1.2	187	.0...									
458	1.2D + 1.5Lm36 + 1.0Wm (0 ...		Y		1	1.2	74	1.5	2	.053	175	1.2	176	.0...									
459	1.2D + 1.5Lm36 + 1.0Wm (3...		Y		1	1.2	74	1.5	3	.053	175	1.2	177	.0...									
460	1.2D + 1.5Lm36 + 1.0Wm (6...		Y		1	1.2	74	1.5	4	.053	175	1.2	178	.0...									

Load Combinations (Continued)

	Description	Solve	P...	S..	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
461	1.2D + 1.5Lm36 + 1.0Wm (9...		Y		1	1.2	74	1.5	5	.053	175	1.2	179	.0...									
462	1.2D + 1.5Lm36 + 1.0Wm (1...		Y		1	1.2	74	1.5	6	.053	175	1.2	180	.0...									
463	1.2D + 1.5Lm36 + 1.0Wm (1...		Y		1	1.2	74	1.5	7	.053	175	1.2	181	.0...									
464	1.2D + 1.5Lm36 + 1.0Wm (1...		Y		1	1.2	74	1.5	8	.053	175	1.2	182	.0...									
465	1.2D + 1.5Lm36 + 1.0Wm (2...		Y		1	1.2	74	1.5	9	.053	175	1.2	183	.0...									
466	1.2D + 1.5Lm36 + 1.0Wm (2...		Y		1	1.2	74	1.5	10	.053	175	1.2	184	.0...									
467	1.2D + 1.5Lm36 + 1.0Wm (2...		Y		1	1.2	74	1.5	11	.053	175	1.2	185	.0...									
468	1.2D + 1.5Lm36 + 1.0Wm (3...		Y		1	1.2	74	1.5	12	.053	175	1.2	186	.0...									
469	1.2D + 1.5Lm36 + 1.0Wm (3...		Y		1	1.2	74	1.5	13	.053	175	1.2	187	.0...									
470	1.2D + 1.5Lv (Position 1)	Yes	Y		1	1.2	75	1.5	1...	1.2													
471	1.2D + 1.5Lv (Position 2)	Yes	Y		1	1.2	76	1.5	1...	1.2													
472	1.2D + 1.5Lv (Position 3)	Yes	Y		1	1.2	77	1.5	1...	1.2													
473	1.2D + 1.5Lv (Position 4)	Yes	Y		1	1.2	78	1.5	1...	1.2													
474	1.2D + 1.5Lv (Position 5)	Yes	Y		1	1.2	79	1.5	1...	1.2													
475	1.2D + 1.5Lv (Position 6)	Yes	Y		1	1.2	80	1.5	1...	1.2													
476	1.2D + 1.5Lv (Position 7)	Yes	Y		1	1.2	81	1.5	1...	1.2													
477	1.2D + 1.5Lv (Position 8)	Yes	Y		1	1.2	82	1.5	1...	1.2													
478	1.2D + 1.5Lv (Position 9)	Yes	Y		1	1.2	83	1.5	1...	1.2													
479	1.2D + 1.5Lv (Position 10)	Yes	Y		1	1.2	84	1.5	1...	1.2													
480	1.2D + 1.5Lv (Position 11)	Yes	Y		1	1.2	85	1.5	1...	1.2													
481	1.2D + 1.5Lv (Position 12)	Yes	Y		1	1.2	86	1.5	1...	1.2													
482	1.2D + 1.5Lv (Position 13)	Yes	Y		1	1.2	87	1.5	1...	1.2													
483	1.2D + 1.5Lv (Position 14)	Yes	Y		1	1.2	88	1.5	1...	1.2													
484	1.2D + 1.5Lv (Position 15)	Yes	Y		1	1.2	89	1.5	1...	1.2													
485	1.2D + 1.5Lv (Position 16)	Yes	Y		1	1.2	90	1.5	1...	1.2													
486	1.2D + 1.5Lv (Position 17)	Yes	Y		1	1.2	91	1.5	1...	1.2													
487	1.2D + 1.5Lv (Position 18)	Yes	Y		1	1.2	92	1.5	1...	1.2													
488	1.2D + 1.5Lv (Position 19)	Yes	Y		1	1.2	93	1.5	1...	1.2													
489	1.2D + 1.5Lv (Position 20)	Yes	Y		1	1.2	94	1.5	1...	1.2													
490	1.2D + 1.5Lv (Position 21)	Yes	Y		1	1.2	95	1.5	1...	1.2													
491	1.2D + 1.5Lv (Position 22)	Yes	Y		1	1.2	96	1.5	1...	1.2													
492	1.2D + 1.5Lv (Position 23)	Yes	Y		1	1.2	97	1.5	1...	1.2													
493	1.2D + 1.5Lv (Position 24)	Yes	Y		1	1.2	98	1.5	1...	1.2													
494	1.2D + 1.5Lv (Position 25)		Y		1	1.2	99	1.5	1...	1.2													
495	1.2D + 1.5Lv (Position 26)		Y		1	1.2	1...	1.5	1...	1.2													
496	1.2D + 1.5Lv (Position 27)		Y		1	1.2	1...	1.5	1...	1.2													
497	1.2D + 1.5Lv (Position 28)		Y		1	1.2	1...	1.5	1...	1.2													
498	1.2D + 1.5Lv (Position 29)		Y		1	1.2	1...	1.5	1...	1.2													
499	1.2D + 1.5Lv (Position 30)		Y		1	1.2	1...	1.5	1...	1.2													
500	1.2D + 1.5Lv (Position 31)		Y		1	1.2	1...	1.5	1...	1.2													
501	1.2D + 1.5Lv (Position 32)		Y		1	1.2	1...	1.5	1...	1.2													
502	1.2D + 1.5Lv (Position 33)		Y		1	1.2	1...	1.5	1...	1.2													
503	1.2D + 1.5Lv (Position 34)		Y		1	1.2	1...	1.5	1...	1.2													
504	1.2D + 1.5Lv (Position 35)		Y		1	1.2	1...	1.5	1...	1.2													
505	1.2D + 1.5Lv (Position 36)		Y		1	1.2	1...	1.5	1...	1.2													
506	1.2D + 1.5Lv (Position 37)		Y		1	1.2	1...	1.5	1...	1.2													
507	1.2D + 1.5Lv (Position 38)		Y		1	1.2	1...	1.5	1...	1.2													
508	1.2D + 1.5Lv (Position 39)		Y		1	1.2	1...	1.5	1...	1.2													
509	1.2D + 1.5Lv (Position 40)		Y		1	1.2	1...	1.5	1...	1.2													
510	1.2D + 1.5Lv (Position 41)		Y		1	1.2	1...	1.5	1...	1.2													
511	1.2D + 1.5Lv (Position 42)		Y		1	1.2	1...	1.5	1...	1.2													
512	1.2D + 1.5Lv (Position 43)		Y		1	1.2	1...	1.5	1...	1.2													
513	1.2D + 1.5Lv (Position 44)		Y		1	1.2	1...	1.5	1...	1.2													
514	1.2D + 1.5Lv (Position 45)		Y		1	1.2	1...	1.5	1...	1.2													
515	1.2D + 1.5Lv (Position 46)		Y		1	1.2	1...	1.5	1...	1.2													
516	1.2D + 1.5Lv (Position 47)		Y		1	1.2	1...	1.5	1...	1.2													
517	1.2D + 1.5Lv (Position 48)		Y		1	1.2	1...	1.5	1...	1.2													

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	F...	B...	F...	B...	Fa...	BLC	Fa...	BLC	F...	BLC	Fac.....	F...	B...	F...	B...	F...	B...	F...
518	1.2D + 1.5Lv (Position 49)		Y		1	1.2	1...	1.5	1...	1.2													
519	1.2D + 1.5Lv (Position 50)		Y		1	1.2	1...	1.5	1...	1.2													
520	1.2D + 1.5Lv (Position 51)		Y		1	1.2	1...	1.5	1...	1.2													
521	1.2D + 1.5Lv (Position 52)		Y		1	1.2	1...	1.5	1...	1.2													
522	1.2D + 1.5Lv (Position 53)		Y		1	1.2	1...	1.5	1...	1.2													
523	1.2D + 1.5Lv (Position 54)		Y		1	1.2	1...	1.5	1...	1.2													
524	1.2D + 1.5Lv (Position 55)		Y		1	1.2	1...	1.5	1...	1.2													
525	1.2D + 1.5Lv (Position 56)		Y		1	1.2	1...	1.5	1...	1.2													
526	1.2D + 1.5Lv (Position 57)		Y		1	1.2	1...	1.5	1...	1.2													
527	1.2D + 1.5Lv (Position 58)		Y		1	1.2	1...	1.5	1...	1.2													
528	1.2D + 1.5Lv (Position 59)		Y		1	1.2	1...	1.5	1...	1.2													
529	1.2D + 1.5Lv (Position 60)		Y		1	1.2	1...	1.5	1...	1.2													
530	1.2D + 1.5Lv (Position 61)		Y		1	1.2	1...	1.5	1...	1.2													
531	1.2D + 1.5Lv (Position 62)		Y		1	1.2	1...	1.5	1...	1.2													
532	1.2D + 1.5Lv (Position 63)		Y		1	1.2	1...	1.5	1...	1.2													
533	1.2D + 1.5Lv (Position 64)		Y		1	1.2	1...	1.5	1...	1.2													
534	1.2D + 1.5Lv (Position 65)		Y		1	1.2	1...	1.5	1...	1.2													
535	1.2D + 1.5Lv (Position 66)		Y		1	1.2	1...	1.5	1...	1.2													
536	1.2D + 1.5Lv (Position 67)		Y		1	1.2	1...	1.5	1...	1.2													
537	1.2D + 1.5Lv (Position 68)		Y		1	1.2	1...	1.5	1...	1.2													
538	1.2D + 1.5Lv (Position 69)		Y		1	1.2	1...	1.5	1...	1.2													
539	1.2D + 1.5Lv (Position 70)		Y		1	1.2	1...	1.5	1...	1.2													
540	1.2D + 1.5Lv (Position 71)		Y		1	1.2	1...	1.5	1...	1.2													
541	1.2D + 1.5Lv (Position 72)		Y		1	1.2	1...	1.5	1...	1.2													
542	1.2D + 1.5Lv (Position 73)		Y		1	1.2	1...	1.5	1...	1.2													
543	1.2D + 1.5Lv (Position 74)		Y		1	1.2	1...	1.5	1...	1.2													
544	1.2D + 1.5Lv (Position 75)		Y		1	1.2	1...	1.5	1...	1.2													
545	1.2D + 1.5Lv (Position 76)		Y		1	1.2	1...	1.5	1...	1.2													
546	1.2D + 1.5Lv (Position 77)		Y		1	1.2	1...	1.5	1...	1.2													
547	1.2D + 1.5Lv (Position 78)		Y		1	1.2	1...	1.5	1...	1.2													
548	1.2D + 1.5Lv (Position 79)		Y		1	1.2	1...	1.5	1...	1.2													
549	1.2D + 1.5Lv (Position 80)		Y		1	1.2	1...	1.5	1...	1.2													
550	1.2D + 1.5Lv (Position 81)		Y		1	1.2	1...	1.5	1...	1.2													
551	1.2D + 1.5Lv (Position 82)		Y		1	1.2	1...	1.5	1...	1.2													
552	1.2D + 1.5Lv (Position 83)		Y		1	1.2	1...	1.5	1...	1.2													
553	1.2D + 1.5Lv (Position 84)		Y		1	1.2	1...	1.5	1...	1.2													
554	1.2D + 1.5Lv (Position 85)		Y		1	1.2	1...	1.5	1...	1.2													
555	1.2D + 1.5Lv (Position 86)		Y		1	1.2	1...	1.5	1...	1.2													
556	1.2D + 1.5Lv (Position 87)		Y		1	1.2	1...	1.5	1...	1.2													
557	1.2D + 1.5Lv (Position 88)		Y		1	1.2	1...	1.5	1...	1.2													
558	1.2D + 1.5Lv (Position 89)		Y		1	1.2	1...	1.5	1...	1.2													
559	1.2D + 1.5Lv (Position 90)		Y		1	1.2	1...	1.5	1...	1.2													
560	1.2D + 1.5Lv (Position 91)		Y		1	1.2	1...	1.5	1...	1.2													
561	1.2D + 1.5Lv (Position 92)		Y		1	1.2	1...	1.5	1...	1.2													
562	1.2D + 1.5Lv (Position 93)		Y		1	1.2	1...	1.5	1...	1.2													
563	1.2D + 1.5Lv (Position 94)		Y		1	1.2	1...	1.5	1...	1.2													
564	1.2D + 1.5Lv (Position 95)		Y		1	1.2	1...	1.5	1...	1.2													
565	1.2D + 1.5Lv (Position 96)		Y		1	1.2	1...	1.5	1...	1.2													
566	1.2D + 1.5Lv (Position 97)		Y		1	1.2	1...	1.5	1...	1.2													
567	1.2D + 1.5Lv (Position 98)		Y		1	1.2	1...	1.5	1...	1.2													
568	1.2D + 1.5Lv (Position 99)		Y		1	1.2	1...	1.5	1...	1.2													
569	1.2D + 1.5Lv (Position 100)		Y		1	1.2	1...	1.5	1...	1.2													

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N10	max	3192.234	8	1127.729	20	1627.495	11	564.937	118	1872.849	5	1355.749	15
2		min	-5131.926	2	369.449	61	-1626.307	5	-887.045	148	-1868.036	11	439.207	56
3	N110	max	3202.57	14	1897.561	14	80.155	11	.385	129	17.959	5	453.61	14
4		min	-311.406	8	-199.791	8	-80.256	5	-.631	135	-18.074	11	-48.335	8
5	N114	max	2365.603	10	1212.714	22	4423.855	10	1599.745	23	1874.048	13	206.415	98
6		min	-1441.763	4	399.794	148	-2822.846	4	387.633	5	-1868.524	7	-1049.604	68
7	N132	max	137.537	4	1820.918	22	238.266	4	376.658	22	18.128	13	21.854	4
8		min	-1535.38	22	-179.1	4	-2659.398	22	-37.471	4	-17.942	7	-218.097	22
9	N136	max	2659.776	8	1212.979	19	2658.271	12	-275.694	11	1872.804	9	-69.45	158
10		min	-1729.961	2	399.766	121	-4259.493	6	-1276.108	17	-1868.698	3	-1331.756	56
11	N154	max	137.523	12	1820.939	18	2659.705	18	37.558	12	17.825	9	21.714	12
12		min	-1534.924	18	-179.121	12	-238.318	12	-376.421	18	-18.243	3	-218.519	18
13	Totals:	max	6143.559	8	8478.276	17	6007.778	11						
14		min	-6143.562	2	3486.446	11	-6007.781	5						

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

	Member	Shape	Code Check	Loc[...	LC	Shear C...	Loc....	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
1	KICK-PL-2	PL_1/2x8	.515	2.875	18	.036	2.8...	z	18	1234...	126000	1312.5	21000	...	H1-1b
2	KICK-PL-4	PL_1/2x8	.515	2.875	22	.036	2.8...	z	22	1234...	126000	1312.5	21000	...	H1-1b
3	HR-240	PIPE_2.0	.497	132....	2	.309	13...		8	6295...	32130	1871....	1871....	...	H3-6
4	HR-0	PIPE_2.0	.497	132....	6	.309	13...		12	6295...	32130	1871....	1871....	...	H3-6
5	HR-120	PIPE_2.0	.497	132....	10	.309	13...		4	6295...	32130	1871....	1871....	...	H3-6
6	MP9	PIPE_2.0	.477	27	3	.300	59		4	1491...	32130	1871....	1871....	...	H3-6
7	MP5	PIPE_2.0	.472	27	11	.300	59		12	1491...	32130	1871....	1871....	...	H3-6
8	MP1	PIPE_2.0	.470	27	7	.300	59		8	1491...	32130	1871....	1871....	...	H3-6
9	MP10	PIPE_2.0	.441	27	12	.126	27		3	1491...	32130	1871....	1871....	...	H1-1b
10	MP2	PIPE_2.0	.439	27	4	.126	27		7	1491...	32130	1871....	1871....	...	H1-1b
11	MP6	PIPE_2.0	.438	27	8	.126	27		11	1491...	32130	1871....	1871....	...	H1-1b
12	GRATE-H-...	L2x2x3	.424	0	480	.031	0	z	...	9528....	22743	542.2...	1162....	...	H2-1
13	GRATE-H-...	L2x2x3	.424	0	482	.031	0	z	...	9528....	22743	542.2...	1161....	...	H2-1
14	MP7	PIPE_2.0	.423	27	4	.152	27		13	1491...	32130	1871....	1871....	...	H1-1b
15	GRATE-H-...	L2x2x3	.423	0	484	.030	0	z	...	9528....	22743	542.2...	1161....	...	H2-1
16	MP8	PIPE_2.0	.422	27	2	.251	48		12	1491...	32130	1871....	1871....	...	H1-1b
17	MP3	PIPE_2.0	.421	27	12	.152	27		9	1491...	32130	1871....	1871....	...	H1-1b
18	MP11	PIPE_2.0	.420	27	8	.152	27		5	1491...	32130	1871....	1871....	...	H1-1b
19	MP12	PIPE_2.0	.416	27	6	.250	48		4	1491...	32130	1871....	1871....	...	H1-1b
20	MP4	PIPE_2.0	.415	27	10	.251	48		8	1491...	32130	1871....	1871....	...	H1-1b
21	GRATE-H-...	L2x2x3	.408	0	479	.029	0	y	...	9528....	22743	542.2...	1155....	...	H2-1
22	GRATE-H-...	L2x2x3	.408	0	483	.029	0	y	...	9528....	22743	542.2...	1154....	...	H2-1
23	GRATE-H-...	L2x2x3	.407	0	481	.029	0	y	...	9528....	22743	542.2...	1155....	...	H2-1
24	COR-1	L2.5x2.5...	.268	14.3...	8	.182	0	z	9	3581...	37485	1082....	2466....	...	H2-1
25	COR-3	L2.5x2.5...	.268	14.3...	4	.182	0	z	5	3581...	37485	1082....	2466....	...	H2-1
26	COR-2	L2.5x2.5...	.268	14.3...	12	.182	0	z	13	3581...	37485	1082....	2466....	...	H2-1
27	SA-2	HSS4X4...	.213	62.25	13	.114	62....	y	...	1011...	106155	1231...	1231...	...	H1-1b
28	SA-1	HSS4X4...	.212	62.25	9	.115	62....	y	56	1011...	106155	1231...	1231...	...	H1-1b
29	SA-3	HSS4X4...	.204	62.25	5	.113	62....	y	...	1011...	106155	1231...	1231...	...	H1-1b
30	CONN-PL-...	PL_3/8x6	.172	0	2	.089	0	y	18	7079...	70875	553.7...	8859....	...	H1-1b
31	CONN-PL-...	PL_3/8x6	.172	0	6	.088	0	y	22	7079...	70875	553.7...	8859....	...	H1-1b
32	CONN-PL-...	PL_3/8x6	.172	0	10	.086	0	y	14	7079...	70875	553.7...	8859....	...	H1-1b
33	CONN-PL-...	PL_3/8x6	.170	2	11	.238	0	y	14	6964...	70875	553.7...	8859....	...	H1-1b
34	CONN-PL-...	PL_3/8x6	.170	2	7	.246	0	y	22	6964...	70875	553.7...	8859....	...	H1-1b
35	CONN-PL-...	PL_3/8x6	.170	2	3	.248	0	y	18	6964...	70875	553.7...	8859....	...	H1-1b
36	BRACE-1	HSS4X4...	.157	29.2...	19	.054	29....	y	18	1045...	106155	1231...	1231...	...	H1-1b
37	BRACE-2	HSS4X4...	.155	29.2...	23	.053	29....	y	22	1045...	106155	1231...	1231...	...	H1-1b

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

	Member	Shape	Code Check	Loc[...	LC	Shear C...	Loc....	...	...	phi*P...	phi*P...	phi*M...	phi*M.....	...	Eqn
38	COR-PL-33...	PL_1/2x6	.152	0	4	.058	0	y	81	9085...	94500	984.3...	1181...	...	H1-1b
39	COR-PL-90...	PL_1/2x6	.152	0	8	.060	0	y	...	9085...	94500	984.3...	1181...	...	H1-1b
40	COR-PL-21...	PL_1/2x6	.152	0	12	.059	0	y	...	9085...	94500	984.3...	1181...	...	H1-1b
41	BRACE-3	HSS4X4...	.152	29.2...	16	.051	29....	y	16	1045...	106155	1231...	1231...	...	H1-1b
42	COR-PL-90...	PL_1/2x6	.151	0	2	.069	0	y	...	9085...	94500	984.3...	1181...	...	H1-1b
43	COR-PL-33...	PL_1/2x6	.151	0	10	.068	0	y	95	9085...	94500	984.3...	1181...	...	H1-1b
44	COR-PL-21...	PL_1/2x6	.151	0	6	.068	0	y	43	9085...	94500	984.3...	1181...	...	H1-1b
45	FM-0	PIPE_3.0	.123	18.75	10	.090	95....		10	5955...	65205	5748....	5748....	...	H1-1b
46	FM-240	PIPE_3.0	.123	18.75	6	.090	95....		6	5955...	65205	5748....	5748....	...	H1-1b
47	FM-120	PIPE_3.0	.122	131....	2	.089	54....		2	5955...	65205	5748....	5748....	...	H1-1b
48	CONN-PL-...	PL_3/8x6	.119	2	5	.221	0	y	...	6964...	70875	553.7...	8859....	...	H1-1b
49	CONN-PL-...	PL_3/8x6	.119	2	13	.227	0	y	70	6964...	70875	553.7...	8859....	...	H1-1b
50	CONN-PL-...	PL_3/8x6	.119	2	9	.226	0	y	...	6964...	70875	553.7...	8859....	...	H1-1b
51	CONN-PL-...	PL_3/8x6	.101	0	13	.082	0	y	70	7079...	70875	553.7...	8859....	...	H1-1b
52	CONN-PL-...	PL_3/8x6	.101	0	9	.081	0	y	...	7079...	70875	553.7...	8859....	...	H1-1b
53	CONN-PL-...	PL_3/8x6	.101	0	5	.080	0	y	...	7079...	70875	553.7...	8859....	...	H1-1b
54	KICK-1	LL2.5x2....	.089	0	14	.006	50....	z	4	4180...	5684...	4127....	2542....	1	H1-...
55	KICK-2	LL2.5x2....	.085	0	18	.009	50....	y	19	4180...	5684...	4127....	2542....	...	H1-...
56	KICK-3	LL2.5x2....	.085	0	22	.007	50....	z	8	4180...	5684...	4127....	2542....	...	H1-...
57	COR-PL-90...	PL_1/2x6	.080	0	4	.175	0	y	81	9397...	94500	984.3...	1181...	...	H1-1b
58	COR-PL-33...	PL_1/2x6	.080	0	12	.176	0	y	...	9397...	94500	984.3...	1181...	...	H1-1b
59	COR-PL-21...	PL_1/2x6	.079	0	8	.178	0	y	...	9397...	94500	984.3...	1181...	...	H1-1b
60	COR-PL-90...	PL_1/2x6	.078	0	12	.204	0	y	43	9397...	94500	984.3...	1181...	...	H1-1b
61	COR-PL-21...	PL_1/2x6	.078	0	4	.205	0	y	95	9397...	94500	984.3...	1181...	...	H1-1b
62	COR-PL-33...	PL_1/2x6	.078	0	8	.207	0	y	...	9397...	94500	984.3...	1181...	...	H1-1b
63	KICK-PL-6	PL_1/2x8	.045	2.875	25	.064	2.8...	y	14	1234...	126000	1312.5	21000	...	H1-1b
64	KICK-PL-5	PL_1/2x8	.035	0	25	.038	0	y	14	1234...	126000	1312.5	21000	...	H1-1b
65	KICK-PL-1	PL_1/2x8	.034	0	17	.037	0	y	18	1234...	126000	1312.5	21000	...	H1-1b
66	KICK-PL-3	PL_1/2x8	.034	0	23	.037	0	y	22	1234...	126000	1312.5	21000	...	H1-1b

APPENDIX D

ADDITIONAL CALCULATIONS

TIA-222-H 4-Bolt Connection Check

Connection Details	
Bolt Diameter =	0.625 in
Bolt Quantity =	4
Bolt Threads/Inch, n =	11
Vertical Bolt Spacing =	6.000 in
Horizontal Bolt Spacing =	6.000 in
Bolt Grade =	A325
Plate Height =	8.250 in
Plate Width =	8.250 in
Plate Thickness =	0.75
Plate Grade =	A36
Standoff Member Type=	HSS
Member Height =	4.000 in
Member Width =	4.000 in
Member Thickness =	0.250 in
Use TIA-222-H Section 15.5?	No
Weld Size =	3/16 in

ENGINEERED TOWER SOLUTIONS, PLLC

Connection Check (Bolts)			
Ø =	0.75		Strength Reduction Factor
A_n =	0.226 in^2		Net Bolt Area (AISC Table 7-17)
A_b =	0.307 in^2		Gross Bolt Area
Fu_{bolt} =	120 ksi		Bolt Ultimate Stress Capacity
$ØR_{nt}$ =	20.34 kip		Bolt Nominal Tensile Capacity (TIA-H 4.9.6.1)
$ØR_{nv}$ =	13.81 kip		Bolt Nominal Shear Capacity (TIA-H 4.9.6.3)
Vu_{bolt} =	1.091 kip		Shear Force Per Bolt
Tu_{bolt} =	2.829 kip		Tension Force Per Bolt
CSR =	13.9%	OK	(TIA 4.9.6.4)

Connection Check (Plate)			
Ø =	0.9		Strength Reduction Factor
F_y =	36 ksi		Plate Yield Capacity
YL_H =	7.48 in		Horizontal plate yield line
YL_V =	7.48 in		Vertical plate yield line
YL_D =	6.01 in		Diagonal plate yield line
M_{max} =	4.3 kip-in		Plate Bending Moment
F_b =	32.4 ksi		Nominal Plate Yield Capacity
f_b =	4.3 ksi		Plate Bending Stress Demand
CSR =	13.3%	OK	

Connection Check (Welds)			
Ø =	0.75		Strength Reduction Factor
F_{EXX} =	70 ksi		Filler Metal Strength (70 ksi assumed)
Fu_{bm} =	58 ksi		Base Metal Strength
$ØR_n$ =	4.2 k/in		Nominal Weld Capacity
R_u =	1.5 k/in		Weld Shear Demand
CSR =	36.7%	OK	

Exhibit F

Power Density/RF Emissions Report

INFINIGY

Non-Ionizing Radiation Report

Compiled For: Northeast Site Solutions on behalf of T-Mobile

Site Name: CTNH509A

Site ID: CTNH509A

15 Acorn Road, Branford, CT 06405

Latitude: 41.293000; Longitude: 72.762900

Structure Type: Monopole

Report Date: March 24, 2021

Report Written By: Tim Harris

Status: T-Mobile will be compliant with FCC rules on RF Exposure.

Table of Contents

1. Executive Summary:

Northeast Site Solutions on behalf of T-Mobile has contracted Infinigy Solutions, LLC to determine whether the site CTNH509A located at 15 Acorn Road in Branford, CT Will Be Compliant with all Federal Communications Commission (FCC) rules and regulations for radio frequency (RF) exposure as indicated in **47CFR§1.1310**.

The report incorporates a theoretical RF field analysis in accordance with the FCC Rules and Regulations for all individuals classified as "Occupational or Controlled" and "General Public or Uncontrolled" (see Appendix A and B).

This document and the conclusions herein are based on information provided by Northeast Site Solutions on behalf of T-Mobile.

As a result of the analysis, **T-Mobile Will Be Compliant with FCC rules.**

T-Mobile, All Bands Cumulative Exposure %		
Uncontrolled / General Population	Exposure values at the site (mW/cm^2)	0.0164
	% Exposure	2.13 %
Controlled / Occupational	Exposure values at the site (mW/cm^2)	0.0164
	% Exposure	0.43 %

2. Site Summary:

Site Information	
Site Name: CTNH509A	
Site Address: 15 Acorn Road, Branford, CT 06405	
Site Type: Monopole	
Compliance Status	Will Be Compliant
Mitigation Required	No
Signage Required	Yes
Barriers Required	No
Access Locked	No
Area Controlled or Uncontrolled	Uncontrolled

3. Site Compliance

This report also incorporates overview of the site information:

- Antenna Inventory Table
- Calculation Tables showing exposure for each carrier transmit frequency
- Total exposure for all carriers existing and proposed at ground level considering the centerline of all antennas and horizontal distance from the tower.
- Maximum Effective Radiated Power Assumed as Worst Case for Calculations used in this study
- Calculations based on flat ground around base of the structure

4. Site Compliance Recommendations

Infinigy recommends the following upon the installation of antennas at the site:

Base of tower

Install an RF caution sign. Note: The recommendation for alerting signage is moot if there is an RF caution, or greater already installed.

5. Antenna Inventory Table

Ant ID	Sector	Operator	Antenna manufacturer	Antenna Model	Operating Frequency/Technology	Rad Ctr (Ft)	Az (Deg)	Total ERP Power (Watts)
1a	Alpha	T-Mobile	Ericsson	AIR6449 B41	2500 MHz LTE	137	30	3591
1b	Alpha	T-Mobile	Ericsson	AIR6449 B41	2500 MHz 5G	137	30	3590
2a	Alpha	T-Mobile	RFS	APXVARR24_43-C-NA20	700 MHz LTE	137	30	2256
2b	Alpha	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz LTE	137	30	1128
2c	Alpha	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz 5G	137	30	1128
2d	Alpha	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz UMTS	137	30	1583
2e	Alpha	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz LTE	137	30	1583
3	Alpha	T-Mobile	RFS	APX16DW-16DWV-S-E-A20	2100 MHz LTE	137	30	4308
4a	Beta	T-Mobile	Ericsson	AIR6449 B41	2500 MHz LTE	137	150	3591
4b	Beta	T-Mobile	Ericsson	AIR6449 B41	2500 MHz 5G	137	150	3590
5a	Beta	T-Mobile	RFS	APXVARR24_43-C-NA20	700 MHz LTE	137	150	2256
5b	Beta	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz LTE	137	150	1128
5c	Beta	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz 5G	137	150	1128
5d	Beta	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz UMTS	137	150	1583
5e	Beta	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz LTE	137	150	1583
6	Beta	T-Mobile	RFS	APX16DW-16DWV-S-E-A20	2100 MHz LTE	137	150	4308
7a	Gamma	T-Mobile	Ericsson	AIR6449 B41	2500 MHz LTE	137	270	3591
7b	Gamma	T-Mobile	Ericsson	AIR6449 B41	2500 MHz 5G	137	270	3590
8a	Gamma	T-Mobile	RFS	APXVARR24_43-C-NA20	700 MHz LTE	137	270	2256
8b	Gamma	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz LTE	137	270	1128
8c	Gamma	T-Mobile	RFS	APXVARR24_43-C-NA20	600 MHz 5G	137	270	1128
8d	Gamma	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz UMTS	137	270	1583
8e	Gamma	T-Mobile	RFS	APXVARR24_43-C-NA20	1900 MHz LTE	137	270	1583
9	Gamma	T-Mobile	RFS	APX16DW-16DWV-S-E-A20	2100 MHz LTE	137	270	4308

6. RF Guidelines

To ensure safety of company workers, the following points need to be taken into consideration and implemented at wireless sites in accordance with the Carriers policies:

a) Worksite: Any employee at the site should avoid working directly in front of the antenna or in areas predicted to exceed general population exposure limits by 100%. Workers should insist that the transmitters be switched off during the work period.

b) RF Safety Training and Awareness: All employees working in areas exceeding the general population limits should have a basic awareness of RF safety measures. Videos, classroom lectures and online courses are all appropriate training methods on these topics.

c) Site Access: Restricting access to transmitting antenna locations is one of the most important elements of RF safety. This can be done with:

- Locked doors/gates/ladder access
- Alarmed doors
- Restrictive barriers

d) Three-foot Buffer: There is an inverse relationship between the strength of the field and the distance from the antenna. The RF field diminishes with distance from the antenna. Workers should maintain a three-foot distance from the antennas.

e) Antennas: Workers should always assume that the antenna is transmitting and should never stop right in front of the antenna. If someone must pass by an antenna, he/she should move quickly, thus reducing RF exposure.

7. T-Mobile Exposure Analysis By Band and Technology

T-Mobile 600 MHz LTE		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**0.4**
	Exposure values at the site (mW/cm^2)	**0.0010**
	% Exposure	**0.24%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**2.0**
	Exposure values at the site (mW/cm^2)	**0.0010**
	% Exposure	**0.05%**

T-Mobile 600 MHz 5G		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**0.4**
	Exposure values at the site (mW/cm^2)	**0.0010**
	% Exposure	**0.24%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**2.0**
	Exposure values at the site (mW/cm^2)	**0.0010**
	% Exposure	**0.05%**

T-Mobile 700 MHz LTE		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**0.5**
	Exposure values at the site (mW/cm^2)	**0.0019**
	% Exposure	**0.39%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**2.3**
	Exposure values at the site (mW/cm^2)	**0.0019**
	% Exposure	**0.08%**

T-Mobile 1900 MHz LTE		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**1.0**
	Exposure values at the site (mW/cm^2)	**0.0014**
	% Exposure	**0.14%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**5.0**
	Exposure values at the site (mW/cm^2)	**0.0014**
	% Exposure	**0.03%**

T-Mobile 1900 MHz UMTS		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**1.0**
	Exposure values at the site (mW/cm^2)	**0.0014**
	% Exposure	**0.14%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**5.0**
	Exposure values at the site (mW/cm^2)	**0.0014**
	% Exposure	**0.03%**

T-Mobile 2100 MHz LTE		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**1.0**
	Exposure values at the site (mW/cm^2)	**0.0037**
	% Exposure	**0.37%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**5.0**
	Exposure values at the site (mW/cm^2)	**0.0037**
	% Exposure	**0.07%**

T-Mobile 2500 MHz LTE		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**1.0**
	Exposure values at the site (mW/cm^2)	**0.0031**
	% Exposure	**0.31%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**5.0**
	Exposure values at the site (mW/cm^2)	**0.0031**
	% Exposure	**0.06%**

T-Mobile 2500 MHz 5G		
Uncontrolled / General Population	FCC's exposure limits (mW/cm^2)	**1.0**
	Exposure values at the site (mW/cm^2)	**0.0031**
	% Exposure	**0.31%**
Controlled / Occupational	FCC's Exposure limits(mW/cm^2)	**5.0**
	Exposure values at the site (mW/cm^2)	**0.0031**
	% Exposure	**0.06%**

8. Appendix A: FCC Guidelines

FCC Policies

The Federal Communications Commission (FCC) in 1996 implemented regulations and policies for analysis of RF propagation to evaluate RF emissions. All the analysis and results of this report are compared with FCC's (Federal Communications Commission) rules to determine whether a site is compliant for Occupational/Controlled or General Public/Uncontrolled exposure. All the analysis of RF propagation is done in terms of a percentage. The limits primarily indicate the power density and are generally expressed in terms of milliwatts per centimeter square, mW/cm^2.

FCC guidelines incorporate two separate tiers of exposure limits that are dependent on the scenario/ situation in which that exposure takes place or the status of the individuals who are subjected to that exposure. The decision as to which tier is applied to a scenario is based on the following definitions:

Occupational / Controlled

These limits apply in situations when someone is exposed to RF energy through his/her occupation, is fully aware of the harmful effects of the RF exposure and has an ability to exercise control over this exposure. Occupational / controlled exposure limits also apply when exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. limits for Occupational/Controlled exposure can be found on Table 1(A).

General Population / Uncontrolled

These limits apply to situations in which the general public may be exposed or in which persons who are exposed because of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure to RF. Therefore, members of the general public would always be considered under this category, for example, in the case of a telecommunications tower that exposes people in a nearby residential area. Exposure limits for General Population/Uncontrolled can be found on Table 1(B).

Table 1. LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure

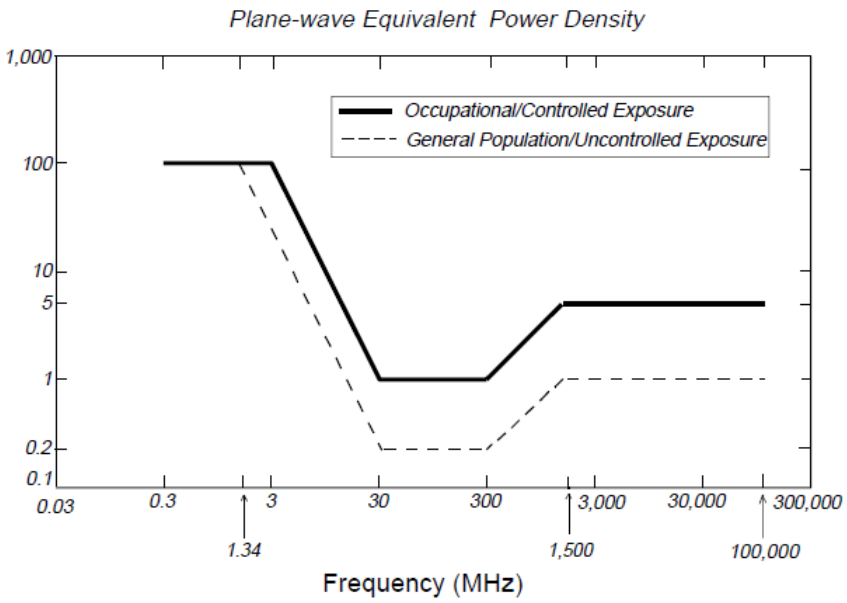
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $|E|^2$, $|H|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $|E|^2$, $|H|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

Figure 1. *FCC Limits for Maximum Permissible Exposure (MPE)*



OSHA Statement:

The objective of the OSHA Act is to ensure the safety and health of the working men and women by enforcing certain standards. The act also assists and encourages the states in their efforts to ensure safe and healthy working conditions through means of research, information, education and training in the field of occupational safety and health and for other purposes.

According to OSHA Act section 5, important duties to be considered are:

(a) Each employer

1) Shall furnish to each of his employees' employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious harm to his employees
2) Shall comply with occupational safety and health standards promulgated under this act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his own actions and conduct.

9. Preparer Certification

I, Tim Harris, preparer of this report, certify that I am fully trained and aware of the rules and regulations of both the Federal Communications Commission and the Occupational Safety and Heath Administration regarding Human Exposure to Radio Frequency Radiation. In addition, I have been trained in RF safety practices, rules, and regulations.

I certify that the information contained in this report is true and correct to the best of my knowledge.

Timothy A. Harris *3/24/2021*

Signature Date