



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

February 10, 2022

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

RE: **Notice of Exempt Modification for AT&T**
Crown Site ID #873633; AT&T Site ID#CTL2082
10 Bona Street., MILFORD, CT 06461
Latitude: 41° 13 12.27 / Longitude: -73° 4 38.56

Dear Ms. Bachman:

AT&T currently maintains twelve (12) antennas at the 129-foot mounts on the existing 133-foot Monopole Tower located at 10 Bona Street MILFORD. The property and tower are owned by Crown Castle. AT&T now intends to replace nine (9) 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) Powerwave - 7770 Antennas (**REMOVE**), (3) CCI-DMP65R-BU4EA-K Antennas (**REPLACE**)

(3) Andrew – SBNHH-1D65A Antennas (**REMOVE**), (3) Ericsson – AIR6449 N77D Antennas (antennas stacked) (**REPLACE**)

(3) CCI-OPA-65R-LCUU-H4 Antennas (**REMOVE**), (3) Ericsson – AIR6419 N77G Antennas (antennas stacked) (**REPLACE**)

REMOVE

(6) Powerwave – LGP21901 TMA
(12) Coax Cables

RELOCATE

(3) Kathrein – 80010964 Antennas
(3) Ericsson – 8843 B2/B66A Remote Radio Heads
(3) Ericsson – RRUs-32 B30 Remote Radio Heads



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

INSTALL

- (3) Ericsson – 4478 B14 Remote Radio Heads
- (6) Y Cables
- (1) Fiber Rosenberger Leoni – FB-L98B-034-XXXXXX (3/8”) (183’-0” Long)

Ground:

REMOVE:

- (1) XMU (removed from shelter)

INSTALL:

- (3) Vertiv 48V Rectifiers
- (1) 6673 Fronthaul Gateway
- (30) Vertive UP-Converters (In power plant)

The Facility was approved by the City of Milford Planning and Zoning Commission on August 21, 2001.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to Benjamin G. Blake, Mayor of the City of Milford, David B Sulkis, City Planner for the City of Milford. Crown Castle the property and tower 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, AT&T 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
crobenson@nbcllc.com
(360) 561-3311

cc:

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

David Sulkis, City Planner (*Via Federal Express*)
City of Milford
70 West River Street
Milford, CT 06460
203-783-3245

Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Friday, February 11, 2022 10:32 AM
To: Colin Robinson
Subject: FedEx Shipment 776010914418: Your package has been delivered



Hi. Your package was
delivered Fri, 02/11/2022 at
10:29am.



Delivered to 110 RIVER ST, MILFORD, CT 06460
Received by L.INDA

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [776010914418](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO City of Milford, CT
Benjamin G. Blake

110 River St
MILFORD, CT, US, 06460

REFERENCE	100788 NB+C
SHIPPER REFERENCE	100788 NB+C
SHIP DATE	Thu 2/10/2022 06:39 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	MILFORD, CT, US, 06460
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



Get the FedEx[®] Mobile app

Create shipments, receive tracking alerts, redirect packages to a FedEx retail location for pickup, and more from the palm of your hand
- **Download now.**



Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Friday, February 11, 2022 1:00 PM
To: Colin Robinson
Subject: FedEx Shipment 776010938415: Your package has been delivered



Hi. Your package was
delivered Fri, 02/11/2022 at
12:53pm.



Delivered to 70 W RIVER ST, MILFORD, CT 06460
Received by C. ORRY

OBTAIN PROOF OF DELIVERY

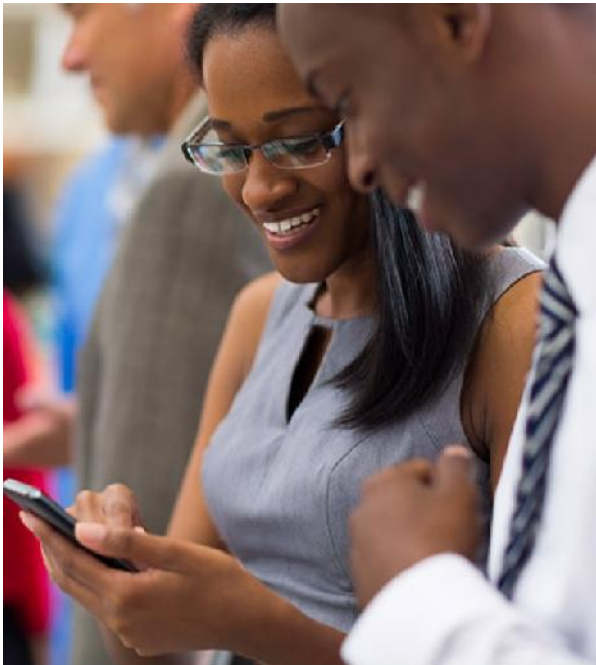
TRACKING NUMBER [776010938415](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO City of Milford, CT
David Sulkis

70 West River Street
MILFORD, CT, US, 06460

REFERENCE	100788 NB+C
SHIPPER REFERENCE	100788 NB+C
SHIP DATE	Thu 2/10/2022 06:39 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	MILFORD, CT, US, 06460
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight



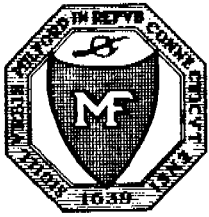
Get the FedEx[®] Mobile app

Create shipments, receive tracking alerts, redirect packages to a FedEx retail location for pickup, and more from the palm of your hand
- **Download now.**



Exhibit A

Original Facility Approval



City of Milford, Connecticut

Founded 1639

70 West River Street
Milford, CT 06460-3317
Telephone (203) 783-3245
Fax (203) 783-3303

ZONING BOARD OF APPEALS

THIS IS TO CERTIFY THAT, Integrated Mobile Services, Inc., was granted a variance by the Zoning Board of Appeals on March 13, 2001, for the property located at: **10 Bona Street, Assessor's Map 43 & 53 , Block 304 , Parcel 69, 70, 71 & 72,** in the City of Milford, County of New Haven, State of Connecticut, of which, Joseph N. Clemente, 10 Bona Street, Milford, CT, is the owner.

A VARIANCE WAS GRANTED TO:

Vary Section 4.1.13 exceptions to height requirements to allow 150 ft. high monopole where 50 ft. is permitted.

"NO VARIANCE, SPECIAL PERMIT OR SPECIAL EXCEPTION GRANTED PURSUANT TO CHAPTER 124 OF ANY SPECIAL ACT SHALL BE EFFECTIVE UNTIL A COPY THEREOF...IS RECORDED IN THE LAND RECORDS OF THE TOWN IN WHICH SUCH PREMISES ARE LOCATED." P.A. 75-317

RECORDED: _____
DATE

ZONING BOARD OF APPEALS

CITY CLERK REC. NO. _____

BY: Errol Van Hise 1079
Errol Van Hise, Chairman

Received for record **AUG 21 2001**
at 9:20:56 AM and recorded by me.
Alan H. J...
Milford City Clerk

009585 08/20/01 9:20:56 AM

009587

701 AUG 21 AM 9:42 199

CITY OF MILFORD, CONNECTICUT

THIS IS TO CERTIFY THAT INTEGRATED MOBILE SERVICES, LLC

WAS GRANTED A SPECIAL PERMIT BY THE

MILFORD PLANNING & ZONING BOARD ON AUGUST 7, 2001 FOR

PROPERTY LOCATED AT 10 BONA STREET

MAP 43 & 53 BLOCK 304 PARCEL 69-72

IN THE CITY OF MILFORD, COUNTY OF NEW HAVEN, STATE OF

CONNECTICUT FOR WHICH JOSEPH N. CLEMENTE IS THE OWNER.

THE SPECIAL PERMIT WAS GRANTED:

To construct a 150' monopole communication tower with up to 4 equipment buildings (up to 12' x 26' size). A variance was granted March 13, 2001 by the ZBA to increase the allowable height from 50' to 150' in a GI zone. All construction shall be in accordance with plans as follows:

<u>SHEET</u>	<u>ENTITLED</u>	<u>DATED</u>
Title Sheet	Integrated Mobile Services, LLC	11/22/99
C-1	Site Plan	11/22/99; revised to 2/21/00
C-2	Site Details	11/10/99; revised to 2/21/00
C-3	Compound Plan & Elevation	11/10/99; revised to 2/21/00

The following city department reports apply: Letter from B. C. Kolwicz dated February 2, 2000; Police Department memo from Sgt. P. Ellsworth dated December 8, 1999. The applicant will be required to pave 200± of Bona Street from Erna Avenue to city standards for acceptance.

"NO VARIANCE, SPECIAL PERMIT OR SPECIAL EXCEPTION GRANTED PURSUANT TO CHAPTER 124 OF ANY SPECIAL ACT SHALL BE EFFECTIVE UNTIL A COPY THEREOF...IS RECORDED IN THE LAND RECORDS OF THE TOWN IN WHICH SUCH PREMISES ARE LOCATED."

P.A. 75-317

PLANNING & ZONING BOARD

RECORDED _____

CITY CLERK REC. NO. _____

BY:



**WADE E. PIERCE
EXECUTIVE SECRETARY**

Received for record **AUG 21 2001**
at 9:42:19 AM and recorded by me.
Alan H. Johnson
Milford City Clerk

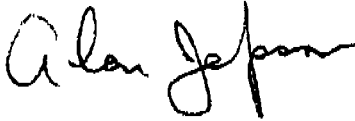


OFFICE OF:
TOWN-CITY CLERK

City of Milford, Connecticut

To: Mayor James Richetelli
Michele Collins, Chmn.
Bd. of Aldermen
Chief Louis LaVecchia, Fire Dept.
Chief Thomas Flaherty, Police Dept.
Bruce Kolwicz, Public Wks. Dir.
Anthony Pinto

Marilyn Lipton, City Attorney
William Gaffney, Assessor
John Casey, City Engineer
Wade Pierce, City Planner

From: Alan Jepson
City Clerk 

Date: March 5, 2003

Subject: Board of Alderman Referral Items No. 8a New
Business

At the Regular Meeting of the Board of Aldermen held on March 3, 2003, the following action was taken:

8. New Business
 - a. Board of Aldermen approval is requested for the acceptance of Bona Street (for the length paved) as a City street per the recommendation of the Planning and Zoning Board.

Approved unanimously.



City of Milford, Connecticut

- Founded 1639 -

70 West River Street - Milford, CT 06460-3317

Tel 203-783-3245 FAX 203-783-3303

Planning and Zoning
Office

February 5, 2003

Mr. Carlos Centore
63-2 North Branford Road
Branford, CT 06405

RE: 10 BONA STREET – STREET ACCEPTANCE

Dear Mr. Centore:

At its meeting held on Tuesday, February 4, 2003 the Milford Planning & Zoning Board moved to recommend to the Board of Aldermen that Bona Street (for the length paved) be accepted as a city street; (in conjunction with CGS 8-24 municipal improvements). Letter of recommendation from the Director of Public Works Bruce Kolwicz dated January 24, 2003 is attached.

Very truly yours,

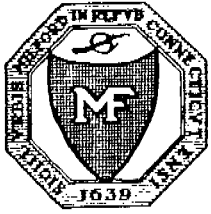
WADE E. PIERCE
Executive Secretary to the
Planning & Zoning Board

WEP/cv

C: Michele Collins, Chair
Board of Aldermen

Marilyn Lipton, City Attorney

Mayor James Richetelli, Jr.



City of Milford, Connecticut

OFFICE OF:
BRUCE C. KOLWICZ
DIRECTOR OF PUBLIC WORKS

RECEIVED
JAN 24 2003
PLANNING & ZONING
MILFORD, CT 06460

Date: January 24, 2003
To: Peter Crabtree, Planning & Zoning
From: Bruce C. Kolwicz, P.W. Director
Re: 10 Bona Street

This street can be accepted as a public street.

BCK:kh

Exhibit B

Property Card



Property Information

Property Location	10 BONA ST
Owner	10 BONA STREET LLC
Co-Owner	C/O CROWN CASTLE
Mailing Address	PMB 353/SITE BU 873633 MCMURRAY PA 15317-2520
Land Use	434V CELL TOWER MDL-00
Land Class	I
Zoning Code	CDD1
Census Tract	

Neighborhood	F
Acreage	0.23
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Book / Page	03141/0288
Fire District	1

Primary Construction Details

Year Built	0
Building Desc.	CELL TOWER
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	

Photo



Sketch



(*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Exhibit C

Construction Drawings

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.



THIS SUBMISSION CONTAINS CONFIDENTIAL, PROPRIETARY, OR TRADE SECRET INFORMATION THAT IS EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAWS. PLEASE MAKE SURE THESE PAGES ARE NOT DISCLOSED. IF ANY REQUEST IS MADE FOR THIS INFORMATION, PLEASE CONTACT THE SENDER IN ADDITION TO ANY LEGAL NOTICE REQUIREMENTS UNDER APPLICABLE LAW.

DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.



1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319



3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065



3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082
AT&T SITE NAME: MILFORD BONA ST
AT&T FA CODE: 10035338
AT&T PACE NUMBER: MRCTB051181, MRCTB050851, MRCTB051111
AT&T PROJECT: 5G NR RADIO. 5G NR 1SR CBAND LTE 6C

BUSINESS UNIT #: 873633
SITE ADDRESS: 10 BONA STREET
MILFORD, CT 06461
COUNTY: NEW HAVEN
SITE TYPE: MONOPOLE
TOWER HEIGHT: 133'-0"

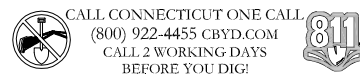
SITE INFORMATION

CROWN CASTLE USA INC. MILFORD
SITE NAME:
SITE ADDRESS: 10 BONA STREET
MILFORD, CT 06461
COUNTY: NEW HAVEN
MAP/PARCEL #: 053 304 70
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41° 13' 12.27"
LONGITUDE: -73° 4' 38.56"
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 59'-0"
CURRENT ZONING: CDD1
JURISDICTION: CITY OF MILFORD
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER: JOSEPH N. CLEMENTE
92 TUMBLEBROOK DRIVE
MILFORD, CONNECTICUT 06460
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: 1025 LENOX PARK BOULEVARD
NE 3RD FLOOR
ATLANTA, GA 30319
ELECTRIC PROVIDER: CONNECTICUT LIGHT & POWR CO
TELCO PROVIDER: FIBER APP

DRAWING INDEX

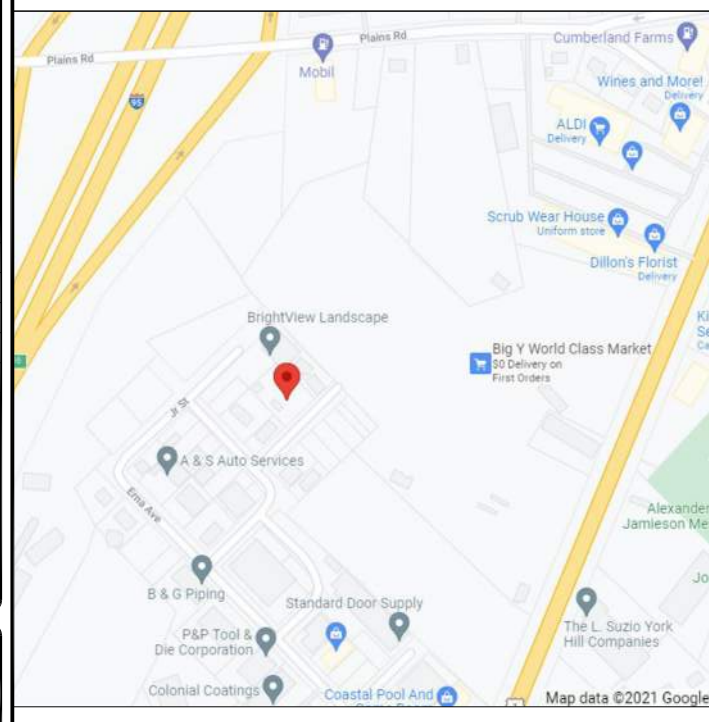
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	EQUIPMENT MOUNTING DETAILS
C-5	EQUIPMENT SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. 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.



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

LOCATION MAP



NO SCALE

SITE PHOTO



AT&T SITE NUMBER: CTL2082

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

PROJECT TEAM

A&E FIRM: CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CROWN.AE.APPROVAL@CROWNCastle.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065
PAUL PEDICONE - PROJECT MANAGER
PAUL.PEDICONE@CROWNCastle.COM
JASON D'AMICO - CONSTRUCTION MANAGER
JASON.DAMICO@CROWNCastle.COM

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 (3) POWERWAVE - 7770 ANTENNAS
• REMOVE (3) ANDREW - SBNHH-1D65A ANTENNAS
• REMOVE (3) CCI - OPA-65R-LCUU-H4 ANTENNAS
• REMOVE (6) POWERWAVE - LGP21901 TMA's
• REMOVE (12) COAX CABLES
• RELOCATE (3) KATHREIN - 80010964 ANTENNAS
• RELOCATE (3) ERICSSON - 8843 B2/B66A RRU
• RELOCATE (3) ERICSSON - RRU-32 B30 RRUs
• INSTALL (3) CCI - DMP65R-BU4EA-K ANTENNAS
• INSTALL (3) ERICSSON - AIR 6449 B77D ANTENNAS
• INSTALL (3) ERICSSON - AIR 6419 B77G ANTENNAS
• INSTALL (3) ERICSSON - 4478 B14 RRUs
• INSTALL (1) FIBER CABLE
• INSTALL (6) Y CABLES
GROUND SCOPE OF WORK:
• REMOVE (1) XMU
• INSTALL (3) VERTIV -48V RECTIFIERS
• INSTALL (12) VERTIV UP-CONVERTERS
• INSTALL (1) 6673 FRONTHAUL GATEWAY

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: TOWER ENGINEERING PROFESSIONALS
DATED: 09/11/2021
MOUNT ANALYSIS: INFINIGY ENGINEERING
DATED: 09/03/2021
RFDS REVISION: 2.00
DATED: 07/12/2021
ORDER ID: 556504
REVISION: 1



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-1 4

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

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.
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.
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...

GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION CARRIER: AT&T 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.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS...

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.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES...

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.
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)...

Table with 3 columns: SYSTEM, CONDUCTOR, COLOR. Rows include 120/240V, 10; 120/208V, 30; 277/480V, 30; and DC VOLTAGE. Conductors are listed as A Phase, B Phase, C Phase, Neutral, Ground.

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 PLAN
QTY: QUANTITY
RECT: RECTIFIER
RBS: RADIO BASE STATION
RETS: REMOTE ELECTRIC TILT
RFDSD: 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-OFF-POTENTIAL 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...



AT&T SITE NUMBER: CTL2082

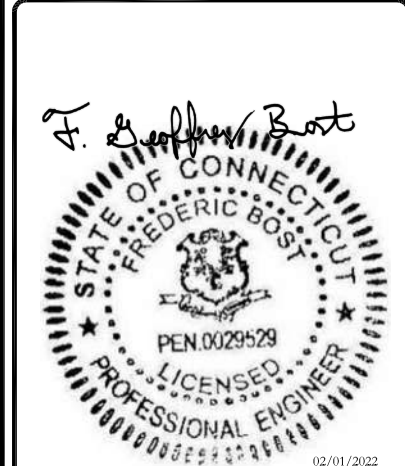
BU #: 873633 MILFORD

10 BONA STREET MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

Table with 5 columns: REV, DATE, DRWN, DESCRIPTION, DES/QA. Shows revision history from 0 to 4.



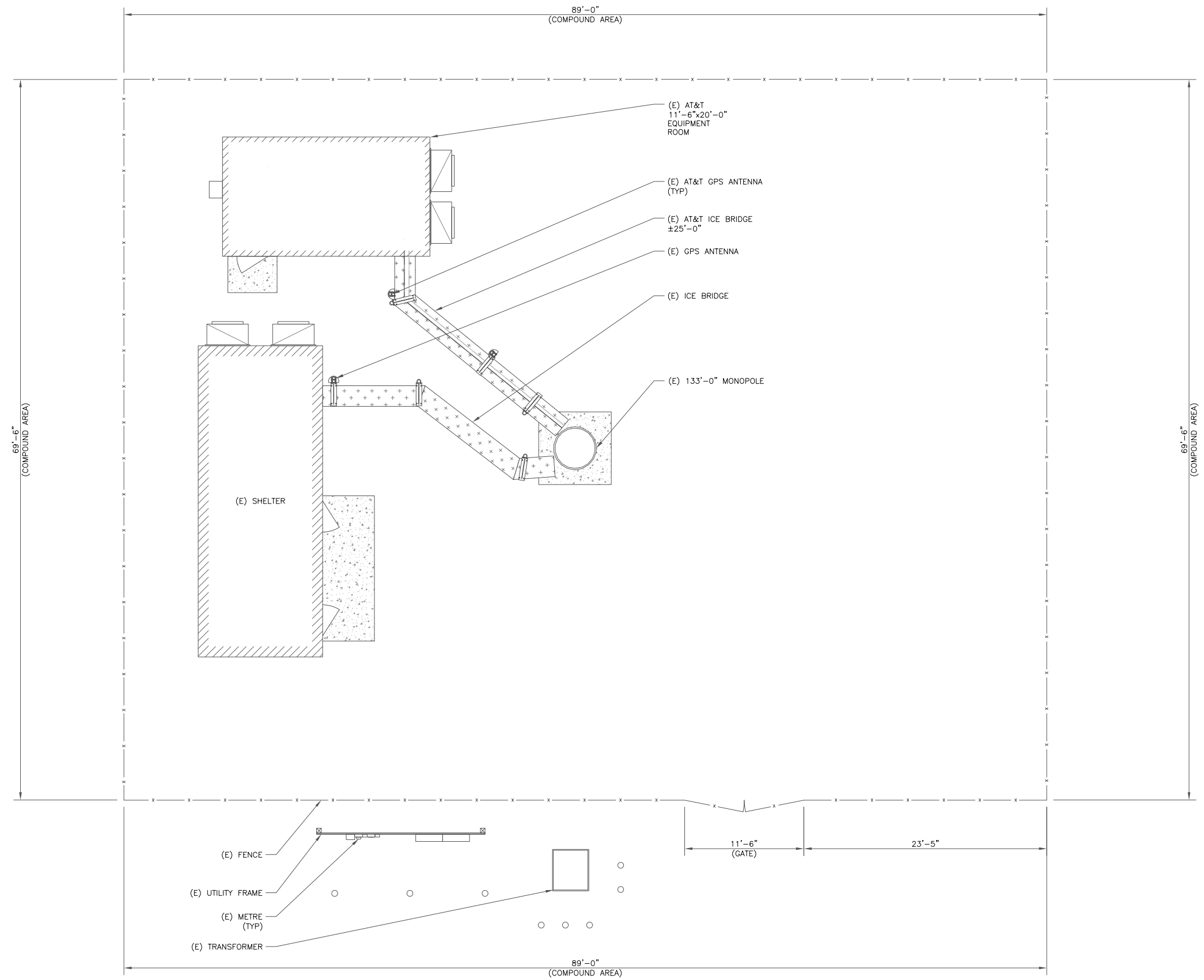
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

T-2

REVISION:

4



1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319

3 CORPORATE PARK DRIVE, SUITE 101
CLIFFTON PARK, NY 12065

3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: **CTL2082**

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

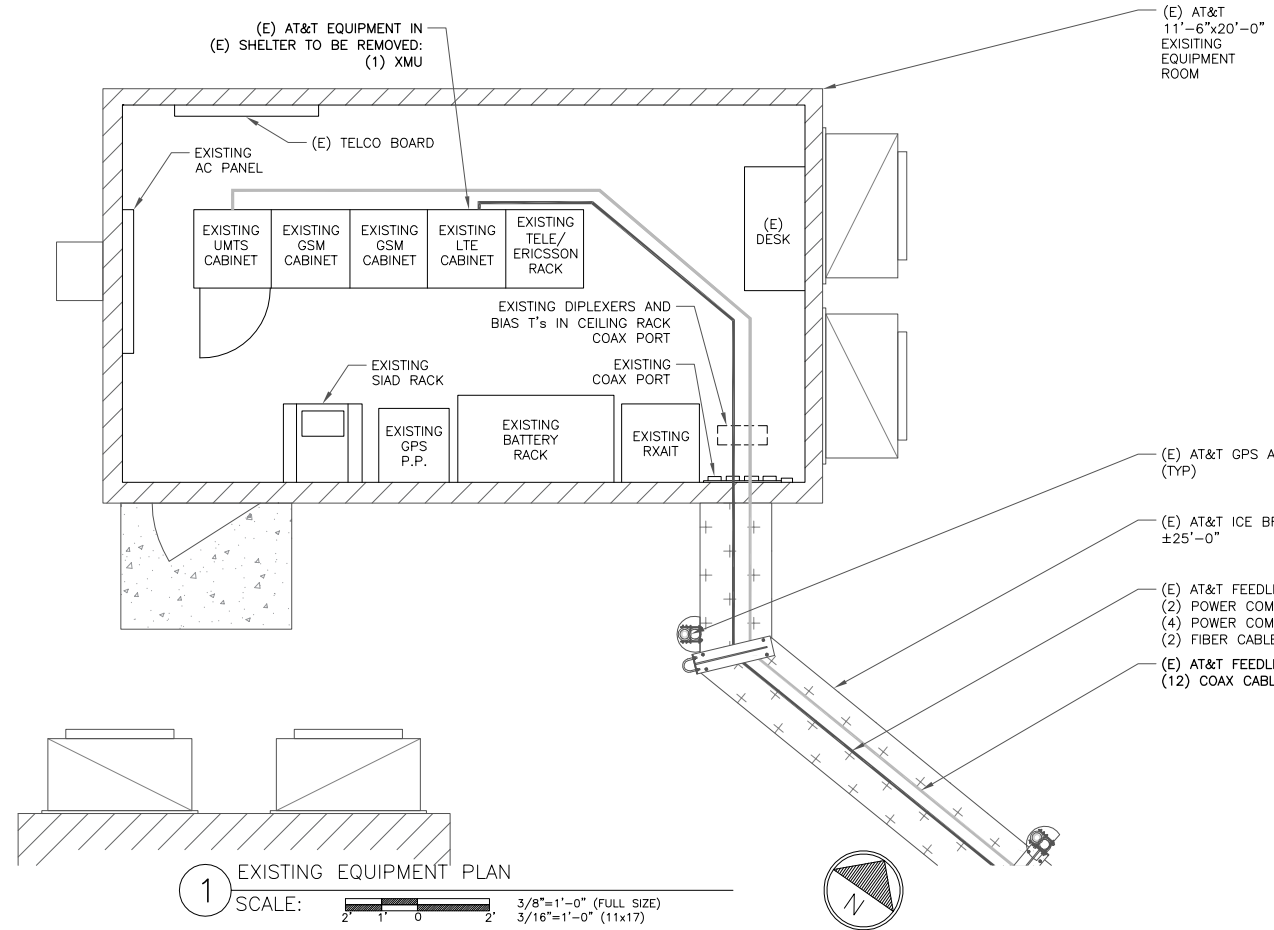
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

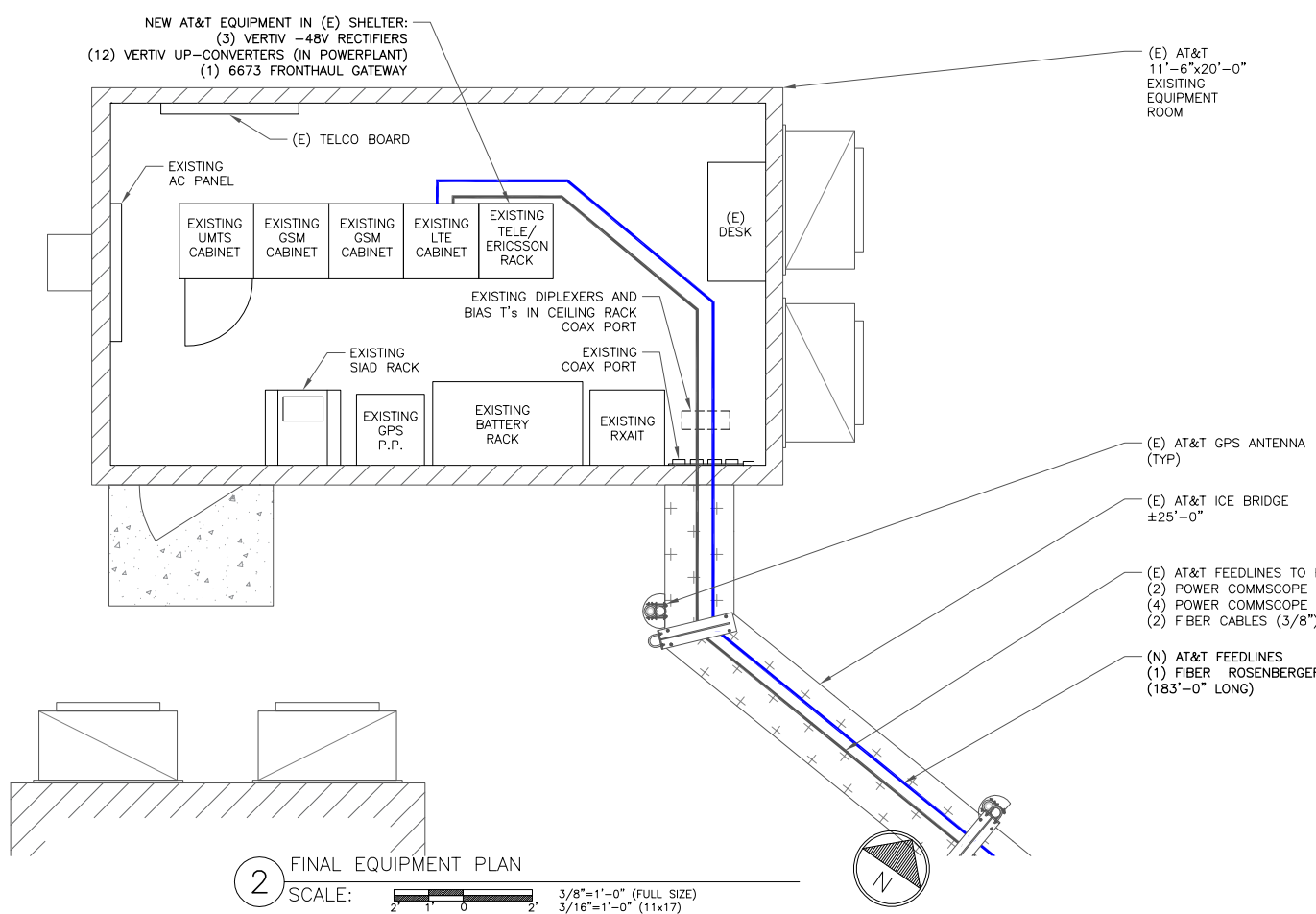
STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER
02/01/2022

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: **C-1.1** REVISION: **4**



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



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

GROUND SCOPE OF WORK:

- INSTALL (3) VERTIV 48V RECTIFIERS
- INSTALL (1) 6673 FRONTHAUL GATEWAY
- INSTALL (12) VERTIVE UP-CONVERTERS (IN POWER PLANT)

NOTE:

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319

3 CORPORATE PARK DRIVE, SUITE 101
CLIFFTON PARK, NY 12065

3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

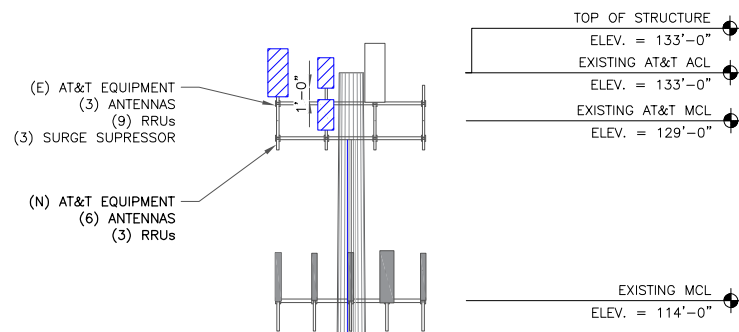
EXISTING 133'-0" MONOPOLE

ISSUED FOR:

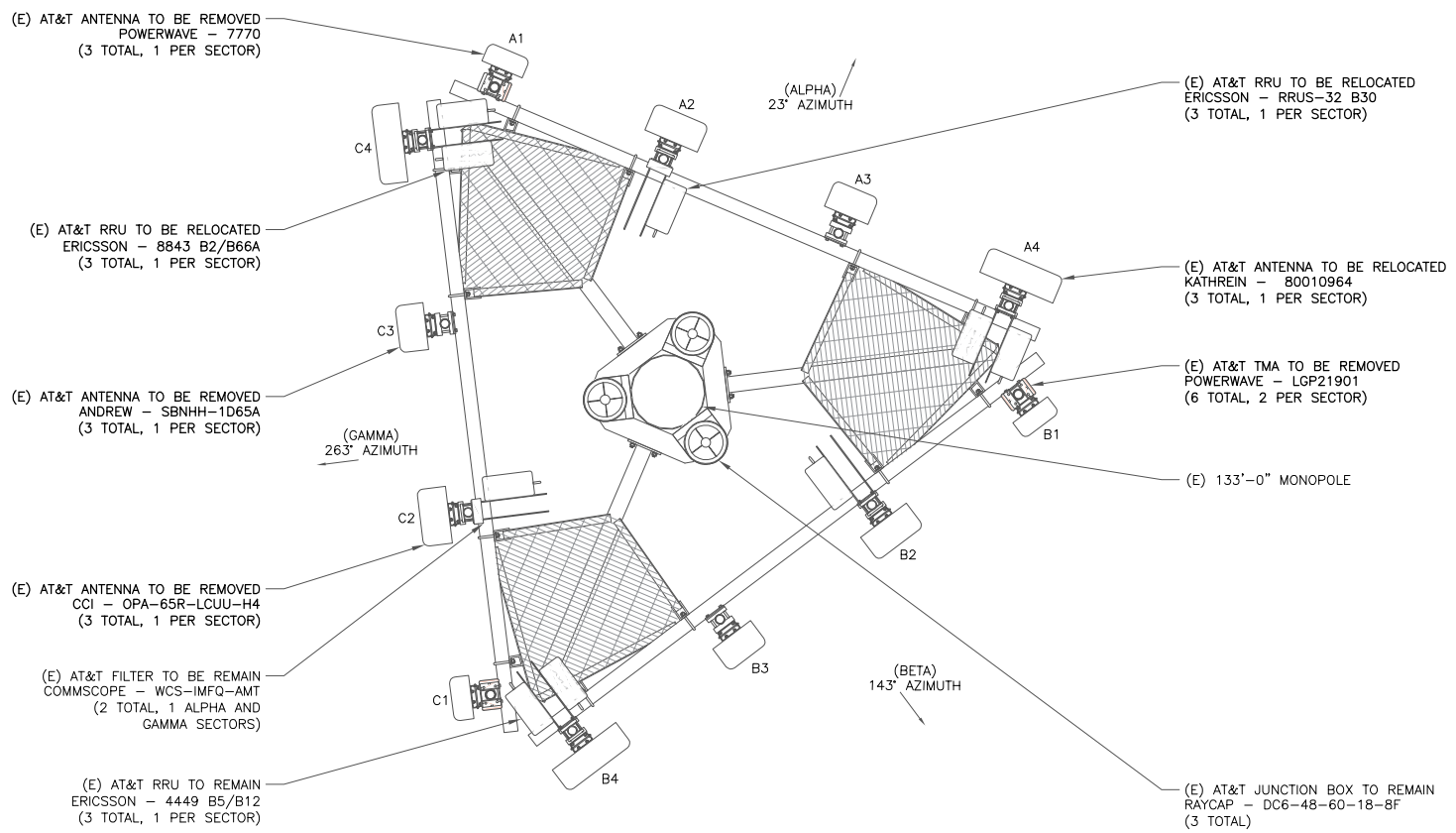
REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

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: **C-1.2** REVISION: **4**

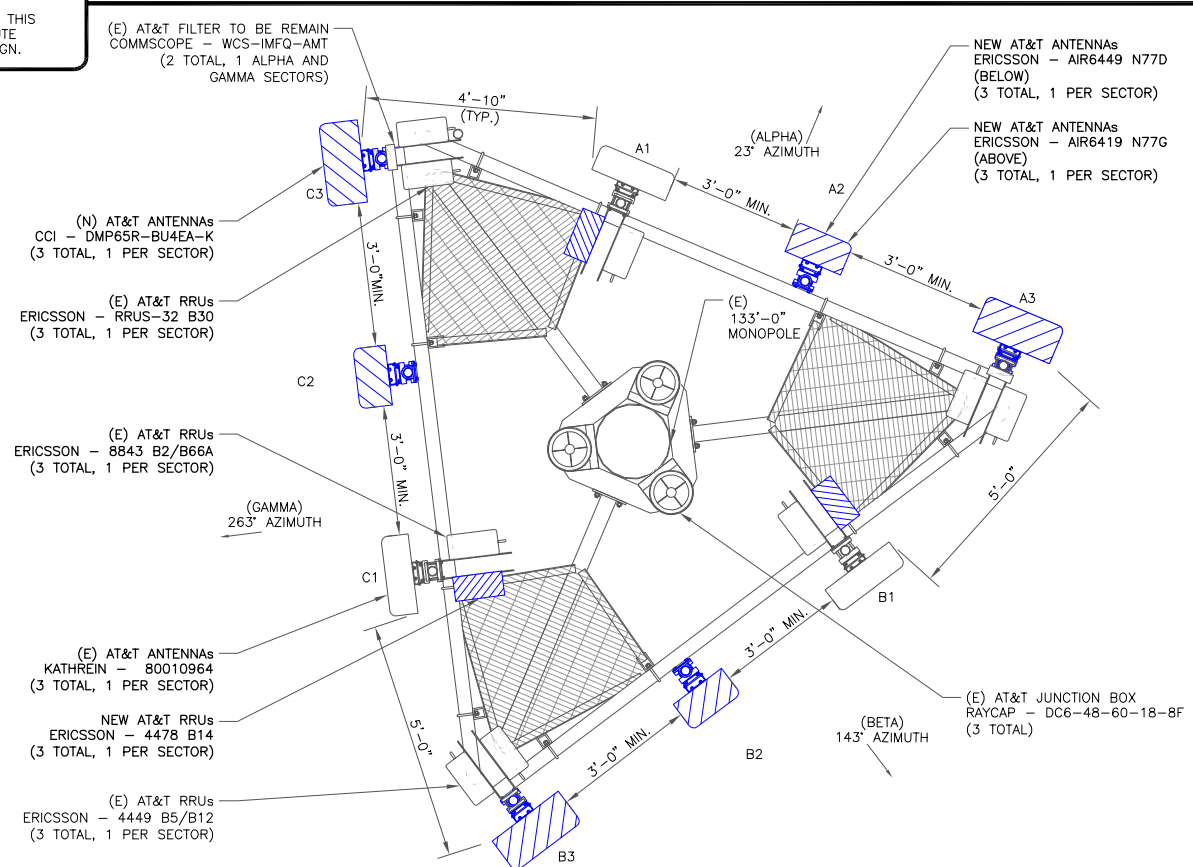


1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (11x17)

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.
DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.



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

"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.

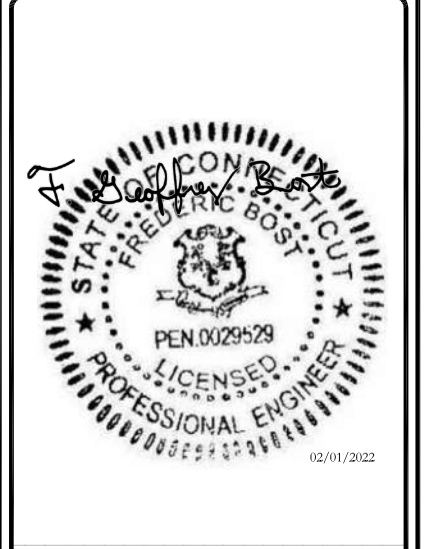
INSTALLER NOTES:
1. REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
2. REFERENCE C-4 FOR NEW EQUIPMENT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.
4. 3'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE ANTENNAS ON SAME SECTOR.
5. 6'-0" MINIMUM DISTANCE REQUIRED BETWEEN 700BC & 700DE ANTENNAS ON SAME SECTOR.
6. 4'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE 700 ANTENNAS ON OPPOSING SECTORS.
7. ALL ANTENNA MEASUREMENT DISTANCES MUST BE EDGE TO EDGE (RELOCATE ANTENNAS AS NEEDED).
8. 8" MINIMUM DISTANCE REQUIRED BETWEEN ANTENNA & RADIO. SEE GENERIC EXAMPLE DETAIL ON SHEET C-4.



AT&T SITE NUMBER: CTL2082
BU #: 873633
MILFORD
10 BONA STREET
MILFORD, CT 06461
EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA



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: **C-2** REVISION: **4**

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

ALPHA																		
POSITION	ANTENNA				RADIO			DIPLEXER			TMA		SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS/MANUFACTURER MODEL	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
A1	LTE 700/AWS	(E) KATHREIN - 80010964	23'	133'-0"	1	(N) 4478 B14	TOWER	-	-	-	-	-	1	(E) DC6-48-60-18-8F	1	(E) POWER	7/8"	183'-0"
					1	(E) 8843 B2/B66A	TOWER	-	-	-	-	-	-	-	-	-	-	-
A2	5G CBAND	(N) AIR6419 N77G	23'	133'-0"	-	-	-	-	-	-	-	-	1	(E) DC6-48-60-18-8F	1	(N) FIBER	3/8"	183'-0"
		(N) AIR6449 N77D			-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3	LTE 700/WCS 1900/850	(N) CCI DMP65R-BU4EA-K	23'	133'-0"	1	(E) 4449 B5/B12	TOWER	-	-	-	1	WCS-IMFQ-AMT	1	(E) DC6-48-60-18-8F	2	(E) POWER	3/16"	183'-0"
					1	(E) RRUS-32 B30	TOWER	-	-	-	-	-	-	-	-	-	-	-
BETA																		
B1	LTE 700/AWS	(E) KATHREIN - 80010964	143'	133'-0"	1	(N) 4478 B14	TOWER	-	-	-	-	-	-	-	1	(E) POWER	7/8"	183'-0"
					1	(E) 8843 B2/B66A	TOWER	-	-	-	-	-	-	-	-	-	-	-
B2	5G CBAND	(N) AIR6419 N77G	143'	133'-0"	-	-	-	-	-	-	-	-	-	-	2	(E) POWER	3/16"	183'-0"
		(N) AIR6449 N77D			-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	LTE 700/WCS 1900/850	(N) CCI DMP65R-BU4EA-K	143'	133'-0"	1	(E) 4449 B5/B12	TOWER	-	-	-	-	-	-	-	-	-	-	-
					1	(E) RRUS-32 B30	TOWER	-	-	-	-	-	-	-	-	-	-	-
GAMMA																		
C1	LTE 700/AWS	(E) KATHREIN - 80010964	263'	133'-0"	1	(N) 4478 B14	TOWER	-	-	-	-	-	-	-	2	(E) FIBER	3/8"	183'-0"
					1	(E) 8843 B2/B66A	TOWER	-	-	-	-	-	-	-	-	-	-	-
C2	5G CBAND	(N) AIR6419 N77G	263'	133'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(N) AIR6449 N77D			-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	LTE 700/WCS 1900/850	(N) CCI DMP65R-BU4EA-K	263'	133'-0"	1	(E) 4449 B5/B12	TOWER	-	-	-	1	WCS-IMFQ-AMT	-	-	-	-	-	-
					1	(E) RRUS-32 B30	TOWER	-	-	-	-	-	-	-	-	-	-	

NOTE:
(E) - EXISTING
(N) - NEW



1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319



3 CORPORATE PARK DRIVE, SUITE 101
CLIFFTON PARK, NY 12065



3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

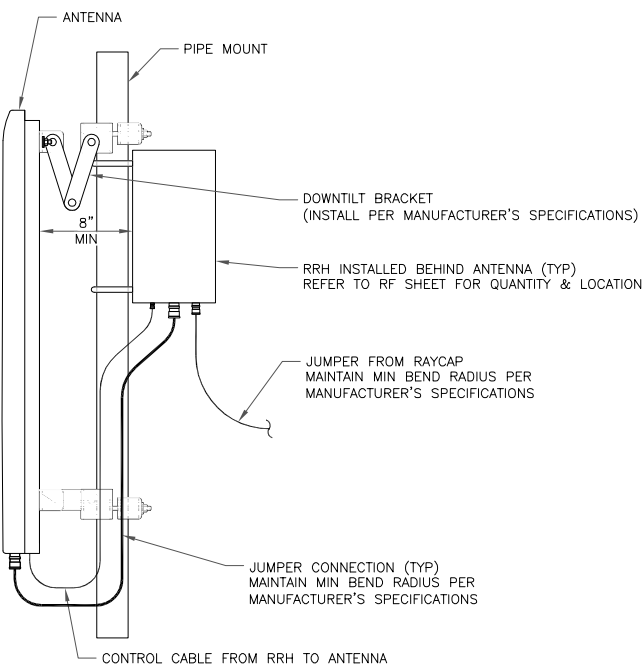
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA



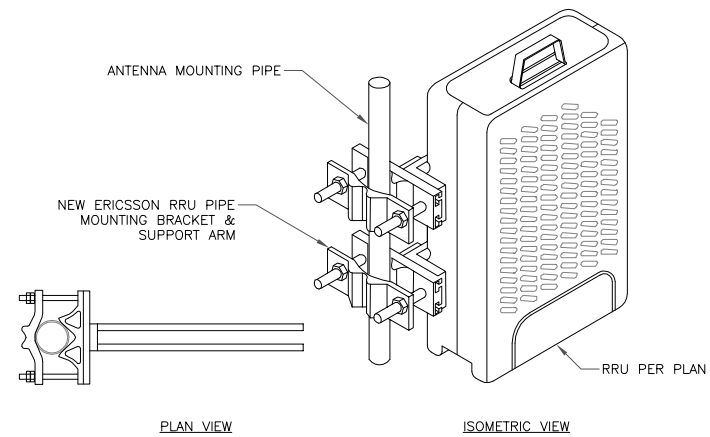
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **C-3** REVISION: **4**

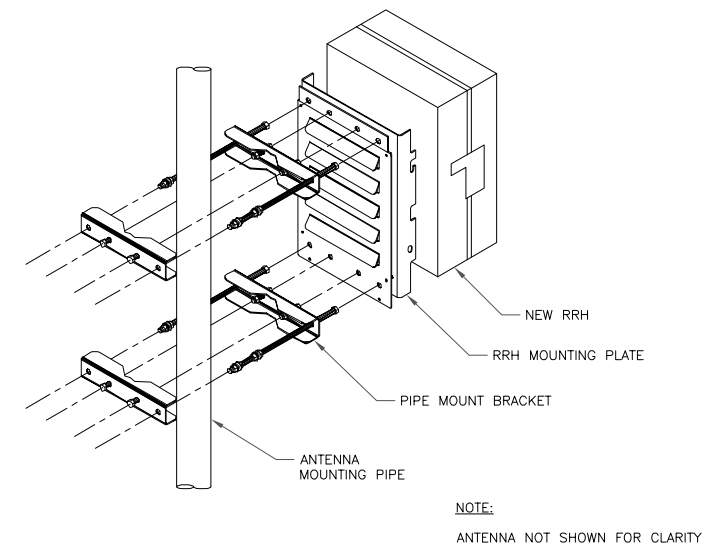


1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

ERICSSON RRU MOUNTING KIT:
 SXX 107 2839/1: SINGLE RRU SUPPORT KIT (PART # 5335) (OR ENGINEER APPROVED EQUIVALENT)
 SXX 107 2839/2: EXPANSION KIT (PART # 5336) (OR ENGINEER APPROVED EQUIVALENT)
MOUNTING NOTES:
 REFER TO PRODUCT SPECS FOR BOLT SIZE & PIPE DIAMETER TOLERANCES. THE PART NO. SXX107-2839/2 IS REQUIRED FOR (2) RRUS.

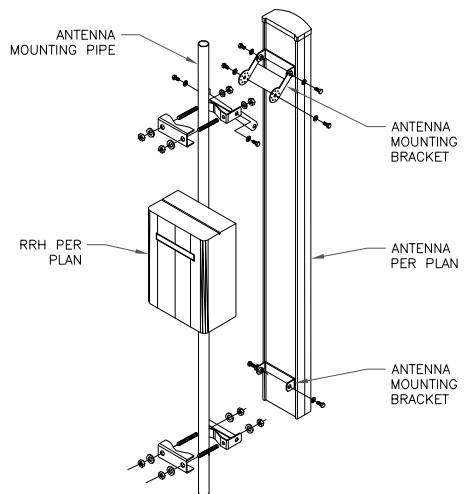


2 ERICSSON - SXX 107 2839
SCALE: NOT TO SCALE



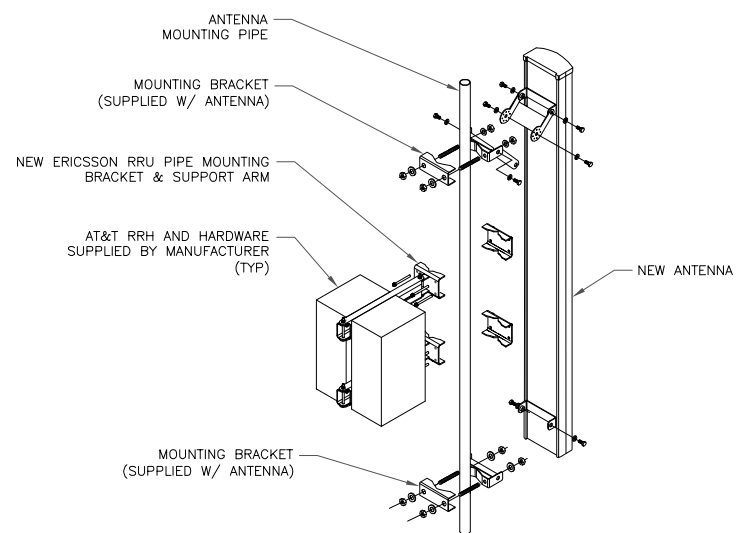
3 SINGLE RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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.

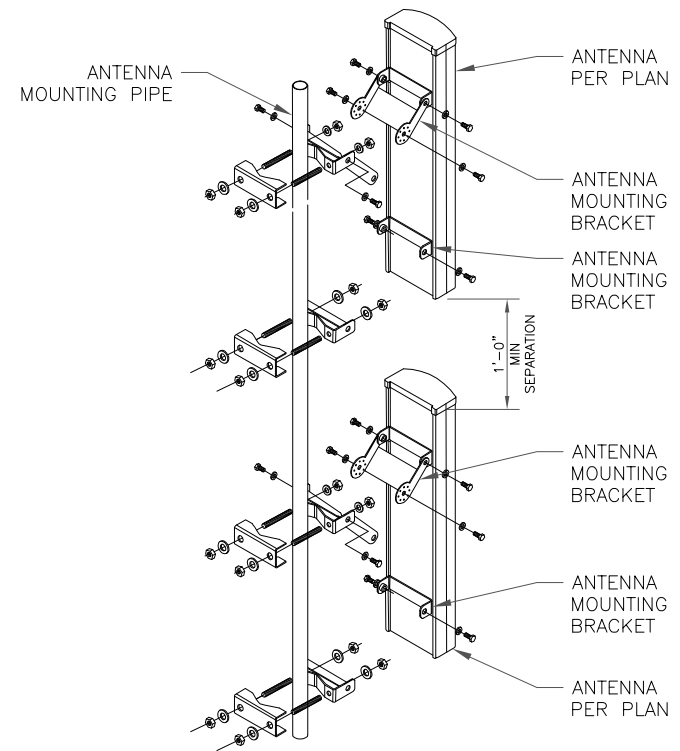


4 ANTENNA WITH RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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.



5 ANTENNA WITH DUAL RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



6 DUAL ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

AT&T
 1025 LENOX PARK BOULEVARD NE
 3RD FLOOR, ATLANTA, GA 30319

CROWN CASTLE
 3 CORPORATE PARK DRIVE, SUITE 101
 CLIFFTON PARK, NY 12065

ENGINEERED TOWER SOLUTIONS
 3530 TORINGDON WAY, SUITE 300
 RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082

BU #: 873633
MILFORD

10 BONA STREET
 MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

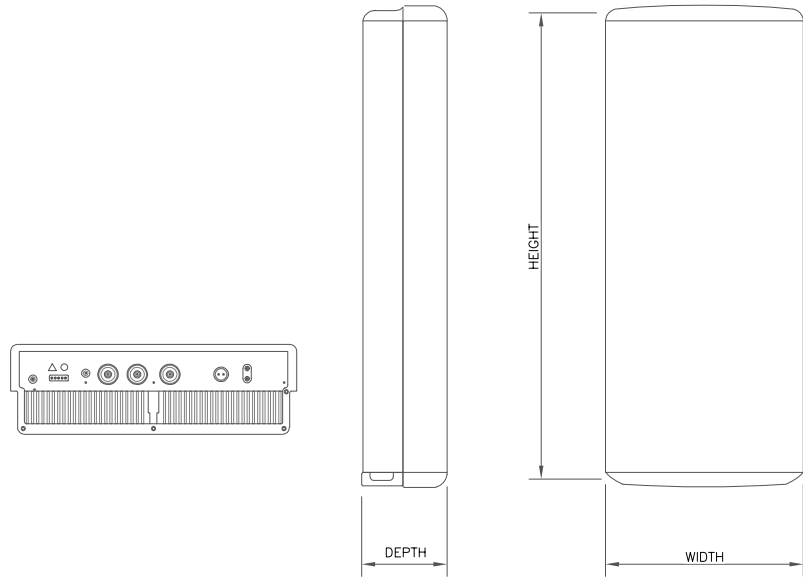
REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

F. Geoffrey Brot
 STATE OF CONNECTICUT
 FREDERIC BOST
 PEN.0029529
 LICENSED PROFESSIONAL ENGINEER
 02/01/2022

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.

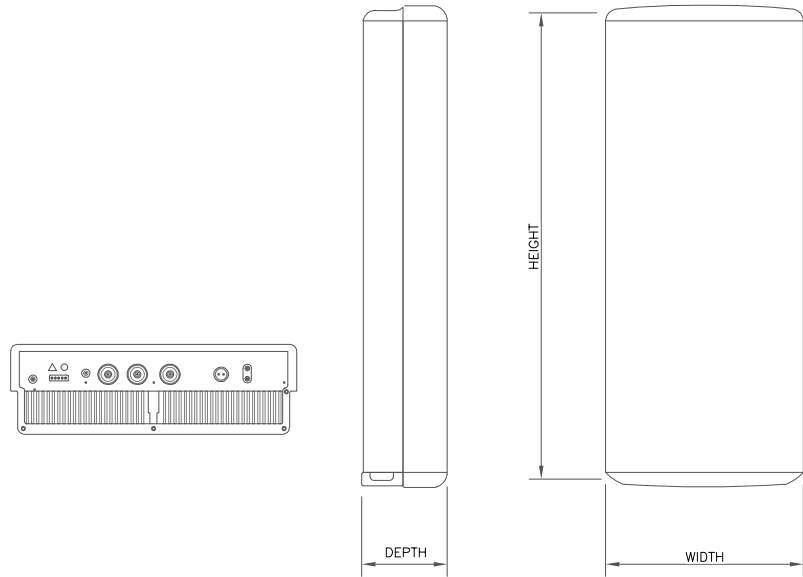
SHEET NUMBER: **C-4** REVISION: **4**

HEIGHT	WIDTH	DEPTH	WEIGHT
30.39"	15.87"	8.07"	81.60 LBS



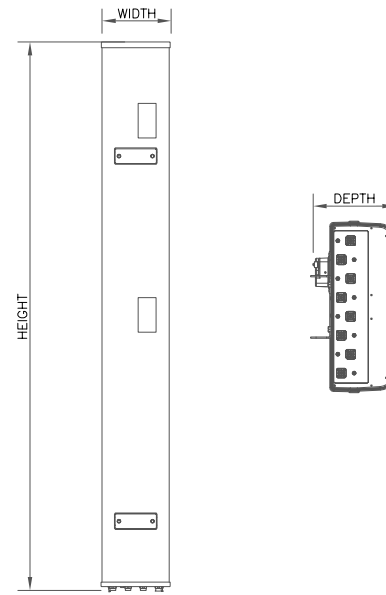
1 ERICSSON – AIR 6449 B77D
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
27.95"	15.75"	6.68"	66.20 LBS



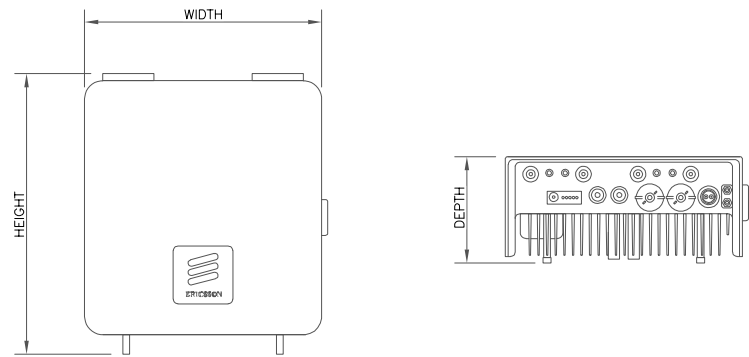
2 ERICSSON – AIR 6419 B77G
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
96.00"	20.70"	7.70"	105.60 LBS



3 CCI – DMP65R-BU4EA-K
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
16.50"	13.40"	7.70"	59.90 LBS



4 ERICSSON – RRUS 4478 B14
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.
DISCLAIMER PROVIDED BY AT&T. THIS STATEMENT DOES NOT CONSTITUTE ENGINEERING ANALYSIS OR DESIGN.

1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319

3 CORPORATE PARK DRIVE, SUITE 101
CLIFFTON PARK, NY 12065

3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

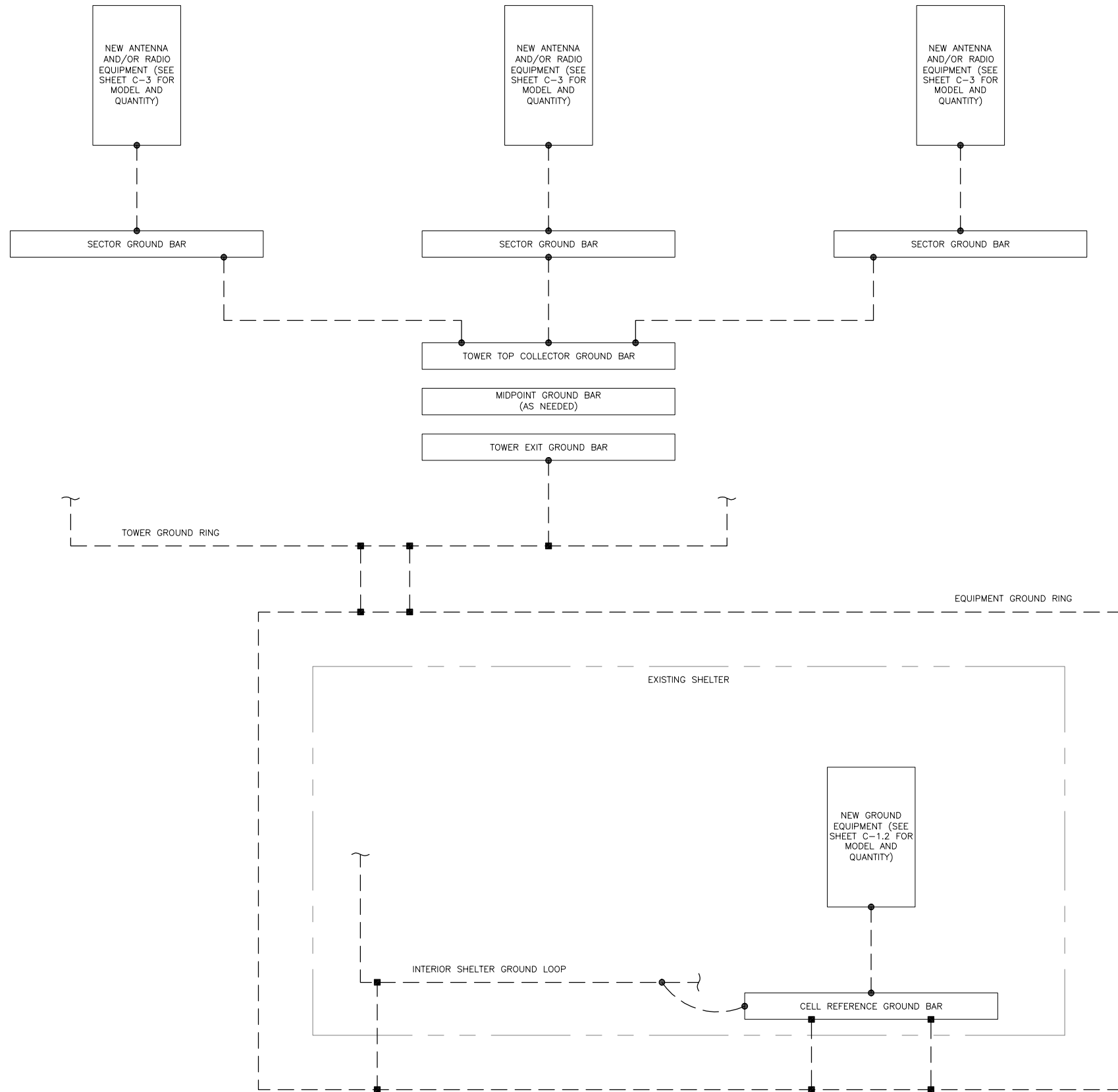
EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

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: C-5	REVISION: 4
-----------------------------	-----------------------



GROUNDING PLAN LEGEND:

- GROUND WIRE
- EXOTHERMIC WELD
- MECHANICAL CONNECTION
- ⊙ COPPER GROUND ROD
- ⊗ GROUND ROD W/ TEST WELL

CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUITS (ATT-TP-76416 7.6.7).

HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CELL SITE REFERENCE GROUND BAR MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS.

EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE (ATT-TP-76416 7.6.7.2).

DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.

1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319

3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: **CTL2082**

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

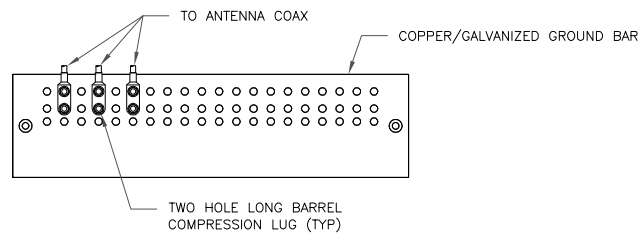
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA

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: **G-1** REVISION: **4**

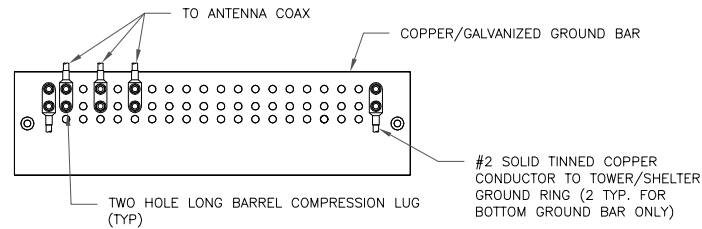
1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE



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

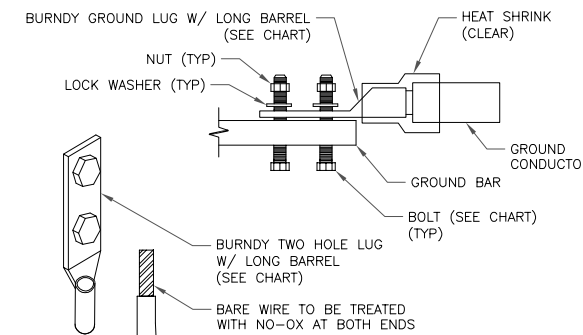


NOTES:

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

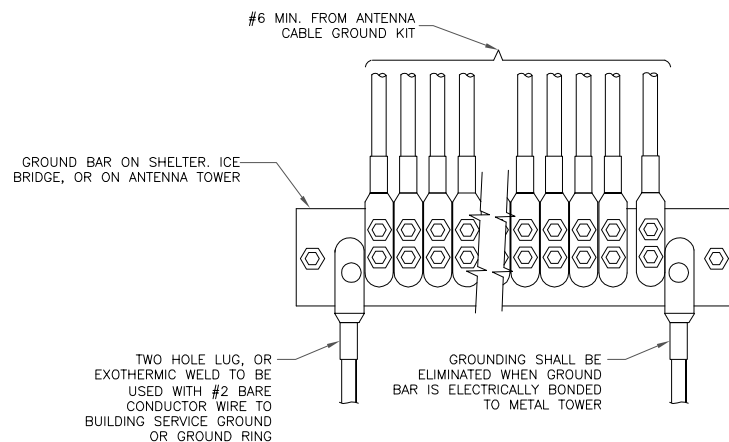
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



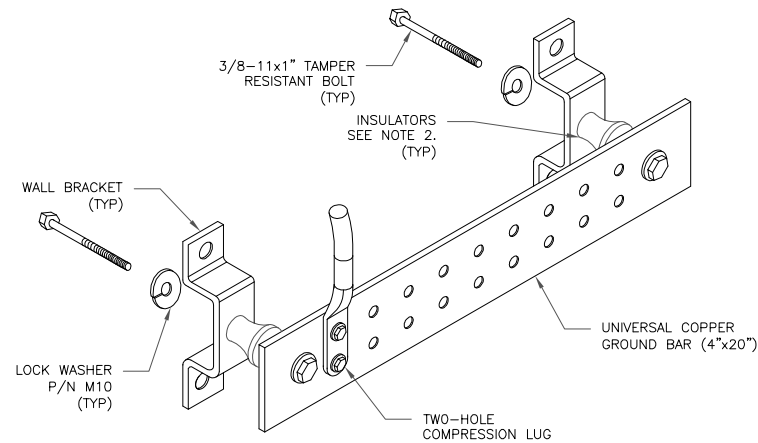
NOTE:

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.

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



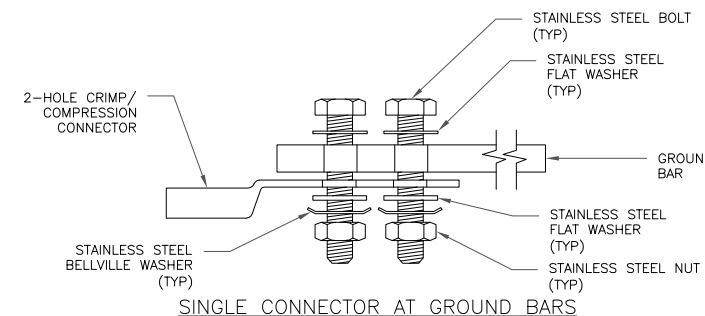
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



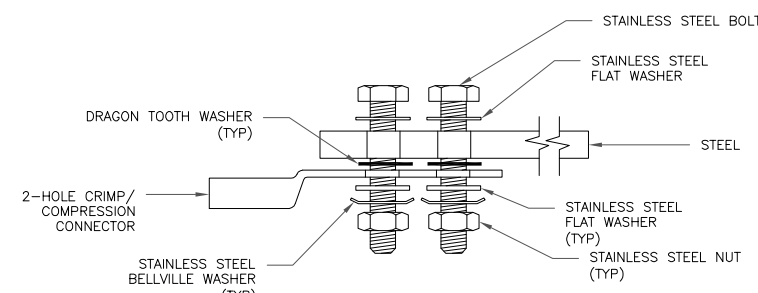
NOTES:

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.

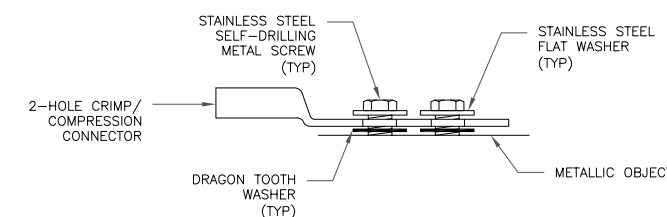
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

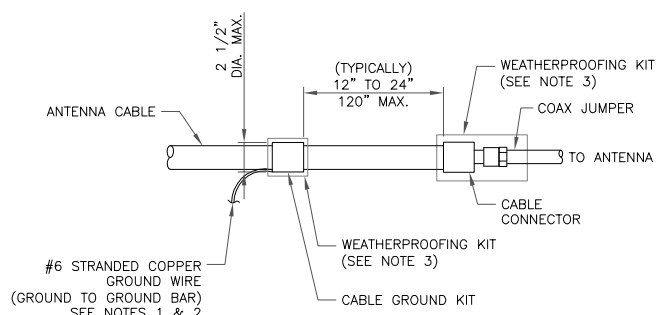


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

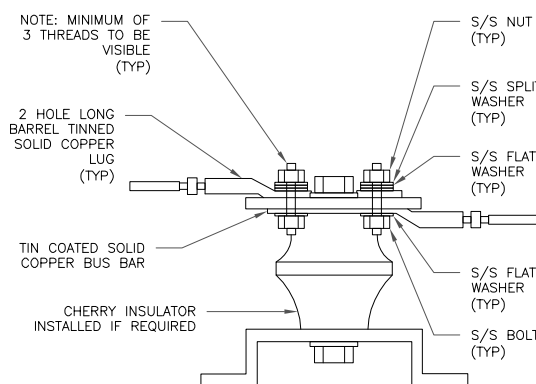
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



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.

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



1025 LENOX PARK BOULEVARD NE
3RD FLOOR, ATLANTA, GA 30319



3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065



3530 TORINGDON WAY, SUITE 300
RALEIGH, NC 27615

AT&T SITE NUMBER: CTL2082

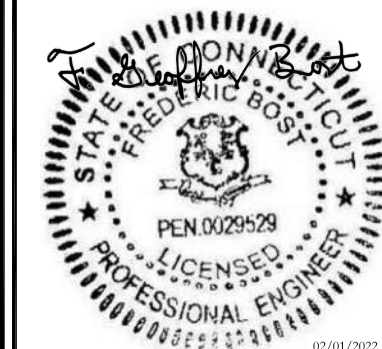
BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/24/2021	BL	CONSTRUCTION	VA
1	10/13/2021	BL	CONSTRUCTION	VA
2	10/18/2021	BL	CONSTRUCTION	VA
3	12/17/2021	MT	CONSTRUCTION	VA
4	02/01/2022	VA	CONSTRUCTION	VA



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:

G-2

REVISION:

4

Exhibit D

Structural Analysis Report

Date: **September 11, 2021**



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

Subject: Structural Analysis Report

Carrier Designation: **AT&T Mobility Co-Locate**
Site Number: CTL2082
Site Name: CTL2082
FA Number: 10035338

Crown Castle Designation: **BU Number:** 873633
Site Name: Milford
JDE Job Number: 649405
Work Order Number: 2014678
Order Number: 556504 Rev. 0

Engineering Firm Designation: **TEP Project Number:** 65119.598858

Site Data: **10 Bona Street, Milford, New Haven County, CT 06461**
Latitude 41° 13' 12.27", Longitude -73° 4' 38.56"
133 Foot - Monopole Tower

Tower Engineering Professionals is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

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

LC7: Proposed Equipment Configuration

Sufficient Capacity - 58%

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

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

Respectfully submitted by:

Shawn Hoffmeyer, P.E.



Electronic Copy

09/11/21

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration
Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

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

4) ANALYSIS RESULTS

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

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 133-ft monopole tower designed by Summit.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	1.0 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)
133.0	135.0	2	Raycap	DC6-48-60-18-8F	-	-
		1	Raycap	DC6-48-60-0-8F		
	133.0	1	Tower Mounts	Pipe Mount [PM 601-3]		
129.0	133.0	3	Ericsson	AIR 6419 B77G	3 4 2	3/8 13/16 7/8
		3	CCI Antennas	DMP65R-BU4E		
		3	Ericsson	AIR 6449 B77D		
		3	Kathrein	80010964		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 32 B30		
		2	Commscope	WCS-IMFQ-AMT		
		3	Ericsson	RRUS 4449 B5/B12		
	3	Ericsson	RRUS 8843 B2/B66A			
129.0	1	Tower Mounts	Site Pro 1 F3P-12-WLL			

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)
114.0	114.0	1	Tower Mounts	Platform Mount [LP 303-1]	1 12	1-1/4 1-5/8
	113.0	6	Antel	LPA-80090/4CF w/ Mount Pipe		
		6	JMA Wireless	MX06FRO660-03 w/ Mount Pipe		
		3	Vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		1	Raycap	RVZDC-6627-PF-48		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1340372	CCISites
Tower Foundation Drawings	1340388	CCISites
Tower Manufacturer Drawings	1339622	CCISites

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

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)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	133 - 86.5	Pole	TP33.116x24x0.25	1	-13.76	1561.31	37.8	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-21.83	2219.08	58.0	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-34.04	3555.76	50.7	Pass
							Summary	
						Pole (L2)	58.0	Pass
						Rating =	58.0	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	39.2	Pass
1,2	Base Plate	-	42.9	Pass
1,2,3	Base Foundation Structural (Drilled Pier Foundation)	-	42.1	Pass
1,2,3	Base Foundation Soil Interaction (Drilled Pier Foundation)	-	28.6	Pass
1,2,3	Base Foundation Structural (Pier and Pad Foundation)	-	27.0	Pass
1,2,3	Base Foundation Soil Interaction (Pier and Pad Foundation)	-	42.9	Pass

Structure Rating (max from all components) =	58.0%
---	--------------

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
- 3) It is unknown whether the foundation is a drilled pier or pier and pad. Both designs were analyzed and determined to be sufficient.

4.1) Recommendations

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

APPENDIX A
TNXTOWER OUTPUT

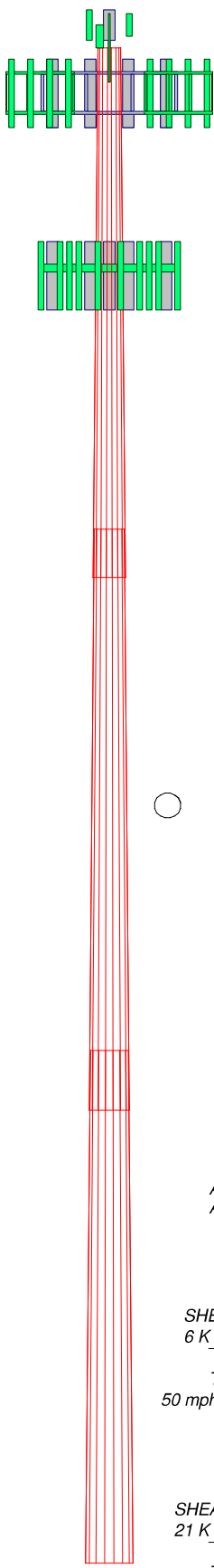
Section	1	2	3
Length (ft)	46.50	51.00	45.00
Number of Sides	18	18	18
Thickness (in)	0.2500	0.2813	0.3750
Socket Length (ft)	4.25	5.25	40.1884
Top Dia (in)	24.0000	31.7828	40.1884
Bot Dia (in)	33.1160	41.7800	49.0100
Grade	A607-65	A607-65	A607-65
Weight (K)	3.6	5.7	8.1

133.0 ft

86.5 ft

39.8 ft

0.0 ft



MATERIAL STRENGTH

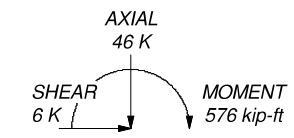
GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

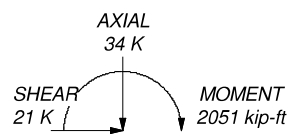
1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 58%



ALL REACTIONS ARE FACTORED



TORQUE 1 kip-ft
50 mph WIND - 1.0000 in ICE



TORQUE 0 kip-ft
REACTIONS - 120 mph WIND

 Tower Engineering Professionals	Tower Engineering Professionals		Job: Milford (BU 873633)		
	326 Tryon Road		Project: TEP No. 65119.598858		
	Raleigh, NC 27603		Client: Crown Castle	Drawn by: SPT	App'd:
	Phone: (919) 661-6351		Code: TIA-222-H	Date: 09/11/21	Scale: NTS
	FAX: (919) 661-6350		Path:		Dwg No. E-1

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job Milford (BU 873633)	Page 1 of 14
	Project TEP No. 65119.598858	Date 14:42:24 09/11/21
	Client Crown Castle	Designed by SPT

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: 69.00 ft.

Basic wind speed of 120 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 1.0000 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.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.

Maximum demand-capacity ratio is: 1.05.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job Milford (BU 873633)	Page 2 of 14
	Project TEP No. 65119.598858	Date 14:42:24 09/11/21
	Client Crown Castle	Designed by SPT

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	133.00-86.50	46.50	4.25	18	24.0000	33.1160	0.2500	1.0000	A607-65 (65 ksi)
L2	86.50-39.75	51.00	5.25	18	31.7828	41.7800	0.2813	1.1250	A607-65 (65 ksi)
L3	39.75-0.00	45.00		18	40.1884	49.0100	0.3750	1.5000	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I ² /Q in ²	w in	w/t
L1	24.3317	18.8456	1342.9976	8.4313	12.1920	110.1540	2687.7623	9.4246	3.7840	15.136
	33.5883	26.0792	3558.9750	11.6674	16.8229	211.5550	7122.6329	13.0421	5.3884	21.554
L2	33.0757	28.1211	3525.6028	11.1831	16.1457	218.3621	7055.8447	14.0632	5.0988	18.129
	42.3811	37.0454	8060.1282	14.7321	21.2242	379.7605	16130.8621	18.5262	6.8583	24.385
L3	41.7956	47.3879	9489.9239	14.1337	20.4157	464.8347	18992.3349	23.6984	6.4132	17.102
	49.7082	57.8878	17299.0559	17.2654	24.8971	694.8227	34620.8743	28.9494	7.9658	21.242

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 Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 133.00-86.50				1	1	1			
L2 86.50-39.75				1	1	1			
L3 39.75-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf	
Safety Line 3/8	C	No	No	CaAa (Out Of Face)	133.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.04 0.14 0.24	0.22 0.75 1.28
Step Pegs (5/8" SR)	C	No	No	CaAa (Out)	133.00 - 0.00	1	No Ice	0.03	0.52

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	3 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
7.5-in w/ 30" Step				Of Face)			1/2" Ice	0.13	1.02
							1" Ice	0.23	2.13
I29									
FB-L98B-034-XXX XXX(3/8)	A	No	No	Inside Pole	129.00 - 0.00	3	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
PWRT-608-S(13/16)	A	No	No	Inside Pole	129.00 - 0.00	4	No Ice	0.00	0.62
							1/2" Ice	0.00	0.62
							1" Ice	0.00	0.62
PWRT-606-S(7/8)	A	No	No	Inside Pole	129.00 - 0.00	2	No Ice	0.00	0.89
							1/2" Ice	0.00	0.89
							1" Ice	0.00	0.89
2" Flexible Conduit	A	No	No	Inside Pole	129.00 - 0.00	3	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
I14									
561(1-5/8)	C	No	No	Inside Pole	114.00 - 0.00	11	No Ice	0.00	1.35
							1/2" Ice	0.00	1.35
							1" Ice	0.00	1.35
HB158-21U6S12-X XXM-01(1-5/8)	C	No	No	Inside Pole	114.00 - 0.00	1	No Ice	0.00	1.90
							1/2" Ice	0.00	1.90
							1" Ice	0.00	1.90
HFT1208-24S26(1-1/4)	C	No	No	Inside Pole	114.00 - 0.00	1	No Ice	0.00	1.17
							1/2" Ice	0.00	1.17
							1" Ice	0.00	1.17

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	133.00-86.50	A	0.000	0.000	0.000	0.000	0.23
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	3.199	0.53
L2	86.50-39.75	A	0.000	0.000	0.000	0.000	0.25
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	3.216	0.87
L3	39.75-0.00	A	0.000	0.000	0.000	0.000	0.22
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	2.735	0.74

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} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	133.00-86.50	A	0.958	0.000	0.000	0.000	0.000	0.23
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	21.012	0.64
L2	86.50-39.75	A	0.906	0.000	0.000	0.000	0.000	0.25

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	4 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L3	39.75-0.00	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	21.125	0.99
		A	0.809	0.000	0.000	0.000	0.000	0.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	17.144	0.84

Feed Line Center of Pressure

Section	Elevation ft	CP _X in	CP _Z in	CP _X Ice in	CP _Z Ice in
L1	133.00-86.50	-0.5354	0.3091	-1.7025	0.9830
L2	86.50-39.75	-0.5407	0.3122	-1.7855	1.0308
L3	39.75-0.00	-0.5440	0.3141	-1.7650	1.0190

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
24" x 16" Top Hat	C	From Leg	0.00	0.0000	133.00	No Ice	3.20	3.20	0.11
			0.00			1/2" Ice	3.43	3.43	0.15
			1.00			1" Ice	3.66	3.66	0.18
133 DC6-48-60-18-8F	A	From Leg	1.00	0.0000	133.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			2.00			1" Ice	2.11	2.11	0.08
DC6-48-60-0-8F	B	From Leg	1.00	0.0000	133.00	No Ice	2.20	2.20	0.03
			0.00			1/2" Ice	2.40	2.40	0.06
			2.00			1" Ice	2.60	2.60	0.08
DC6-48-60-18-8F	C	From Leg	1.00	0.0000	133.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			2.00			1" Ice	2.11	2.11	0.08
Pipe Mount [PM 601-3]	C	None		0.0000	133.00	No Ice	3.17	3.17	0.20
						1/2" Ice	3.79	3.79	0.23
						1" Ice	4.42	4.42	0.28
129 AIR 6419 B77G	A	From Centroid-Le g	4.00	0.0000	129.00	No Ice	3.67	1.65	0.07
			0.00			1/2" Ice	3.91	1.84	0.09
			4.00			1" Ice	4.17	2.04	0.12
AIR 6419 B77G	B	From Centroid-Le g	4.00	0.0000	129.00	No Ice	3.67	1.65	0.07
			0.00			1/2" Ice	3.91	1.84	0.09
			4.00			1" Ice	4.17	2.04	0.12
AIR 6419 B77G	C	From Centroid-Le	4.00	0.0000	129.00	No Ice	3.67	1.65	0.07
			0.00			1/2" Ice	3.91	1.84	0.09

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	5 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft ²	ft ²	K	
DMP65R-BU4E	A	g	4.00		0.0000	129.00	1" Ice	4.17	2.04	0.12
		From	4.00				No Ice	7.95	3.74	0.08
		Centroid-Le	0.00				1/2" Ice	8.50	4.20	0.13
DMP65R-BU4E	B	g	4.00		0.0000	129.00	1" Ice	9.08	4.69	0.19
		From	4.00				No Ice	7.95	3.74	0.08
		Centroid-Le	0.00				1/2" Ice	8.50	4.20	0.13
DMP65R-BU4E	C	g	4.00		0.0000	129.00	1" Ice	9.08	4.69	0.19
		From	4.00				No Ice	7.95	3.74	0.08
		Centroid-Le	0.00				1/2" Ice	8.50	4.20	0.13
AIR 6449 B77D	A	g	4.00		0.0000	129.00	1" Ice	9.08	4.69	0.19
		From	4.00				No Ice	3.64	1.72	0.08
		Centroid-Le	0.00				1/2" Ice	4.00	2.02	0.11
AIR 6449 B77D	B	g	4.00		0.0000	129.00	1" Ice	4.37	2.33	0.14
		From	4.00				No Ice	3.64	1.72	0.08
		Centroid-Le	0.00				1/2" Ice	4.00	2.02	0.11
AIR 6449 B77D	C	g	4.00		0.0000	129.00	1" Ice	4.37	2.33	0.14
		From	4.00				No Ice	3.64	1.72	0.08
		Centroid-Le	0.00				1/2" Ice	4.00	2.02	0.11
80010964	A	g	4.00		0.0000	129.00	1" Ice	4.37	2.33	0.14
		From	4.00				No Ice	8.58	2.96	0.09
		Centroid-Le	0.00				1/2" Ice	9.16	3.44	0.15
80010964	B	g	4.00		0.0000	129.00	1" Ice	9.75	3.94	0.22
		From	4.00				No Ice	8.58	2.96	0.09
		Centroid-Le	0.00				1/2" Ice	9.16	3.44	0.15
80010964	C	g	4.00		0.0000	129.00	1" Ice	9.75	3.94	0.22
		From	4.00				No Ice	8.58	2.96	0.09
		Centroid-Le	0.00				1/2" Ice	9.16	3.44	0.15
RRUS 4478 B14_CCIV2	A	g	4.00		0.0000	129.00	1" Ice	9.75	3.94	0.22
		From	4.00				No Ice	2.02	1.25	0.06
		Centroid-Le	0.00				1/2" Ice	2.20	1.40	0.08
RRUS 4478 B14_CCIV2	B	g	4.00		0.0000	129.00	1" Ice	2.39	1.55	0.10
		From	4.00				No Ice	2.02	1.25	0.06
		Centroid-Le	0.00				1/2" Ice	2.20	1.40	0.08
RRUS 4478 B14_CCIV2	C	g	4.00		0.0000	129.00	1" Ice	2.39	1.55	0.10
		From	4.00				No Ice	2.02	1.25	0.06
		Centroid-Le	0.00				1/2" Ice	2.20	1.40	0.08
RRUS 32 B30	A	g	4.00		0.0000	129.00	1" Ice	2.39	1.55	0.10
		From	4.00				No Ice	2.73	1.67	0.05
		Centroid-Le	0.00				1/2" Ice	2.95	1.86	0.07
RRUS 32 B30	B	g	4.00		0.0000	129.00	1" Ice	3.18	2.05	0.10
		From	4.00				No Ice	2.73	1.67	0.05
		Centroid-Le	0.00				1/2" Ice	2.95	1.86	0.07
RRUS 32 B30	C	g	4.00		0.0000	129.00	1" Ice	3.18	2.05	0.10
		From	4.00				No Ice	2.73	1.67	0.05
		Centroid-Le	0.00				1/2" Ice	2.95	1.86	0.07
WCS-IMFQ-AMT	A	g	4.00		0.0000	129.00	1" Ice	3.18	2.05	0.10
		From	4.00				No Ice	0.99	0.64	0.03
		Centroid-Le	0.00				1/2" Ice	1.11	0.75	0.04
WCS-IMFQ-AMT	B	g	4.00		0.0000	129.00	1" Ice	1.25	0.86	0.05
		From	4.00				No Ice	0.99	0.64	0.03
		Centroid-Le	0.00				1/2" Ice	1.11	0.75	0.04
RRUS 4449 B5/B12	A	g	4.00		0.0000	129.00	1" Ice	1.25	0.86	0.05
		From	4.00				No Ice	1.97	1.41	0.07
		Centroid-Le	0.00				1/2" Ice	2.14	1.56	0.09
RRUS 4449 B5/B12	B	g	4.00		0.0000	129.00	1" Ice	2.33	1.73	0.11
		From	4.00				No Ice	1.97	1.41	0.07
		Centroid-Le	0.00				1/2" Ice	2.14	1.56	0.09

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	6 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft ²	ft ²	K	
RRUS 4449 B5/B12	C	g	4.00		0.0000	129.00	1" Ice	2.33	1.73	0.11
		From	4.00				No Ice	1.97	1.41	0.07
		Centroid-Le	0.00				1/2" Ice	2.14	1.56	0.09
RRUS 8843 B2/B66A	A	g	4.00		0.0000	129.00	1" Ice	2.33	1.73	0.11
		From	4.00				No Ice	1.64	1.35	0.07
		Centroid-Le	0.00				1/2" Ice	1.80	1.50	0.09
RRUS 8843 B2/B66A	B	g	4.00		0.0000	129.00	1" Ice	1.97	1.65	0.11
		From	4.00				No Ice	1.64	1.35	0.07
		Centroid-Le	0.00				1/2" Ice	1.80	1.50	0.09
RRUS 8843 B2/B66A	C	g	4.00		0.0000	129.00	1" Ice	1.97	1.65	0.11
		From	4.00				No Ice	1.64	1.35	0.07
		Centroid-Le	0.00				1/2" Ice	1.80	1.50	0.09
(4) 2.4" Dia. x 10-ft Mount Pipe	A	g	4.00		0.0000	129.00	1" Ice	1.97	1.65	0.11
		From	4.00				No Ice	2.38	2.38	0.04
		Centroid-Le	0.00				1/2" Ice	3.40	3.40	0.05
(4) 2.4" Dia. x 10-ft Mount Pipe	B	g	4.00		0.0000	129.00	1" Ice	4.45	4.45	0.08
		From	4.00				No Ice	2.38	2.38	0.04
		Centroid-Le	0.00				1/2" Ice	3.40	3.40	0.05
(4) 2.4" Dia. x 10-ft Mount Pipe	C	g	4.00		0.0000	129.00	1" Ice	4.45	4.45	0.08
		From	4.00				No Ice	2.38	2.38	0.04
		Centroid-Le	0.00				1/2" Ice	3.40	3.40	0.05
Site Pro 1 F3P-12-WLL	C	g	4.00		0.0000	129.00	1" Ice	4.45	4.45	0.08
		None					No Ice	26.20	25.00	2.79
							1/2" Ice	32.70	31.90	3.21
							1" Ice	41.30	39.20	3.79
**										
****114****										
(2) LPA-80090/4CF w/ Mount Pipe	A	From	4.00		0.0000	114.00	No Ice	2.86	5.21	0.03
		Centroid-Le	0.00				1/2" Ice	3.22	5.82	0.07
		g	-1.00				1" Ice	3.59	6.44	0.11
(2) LPA-80090/4CF w/ Mount Pipe	B	From	4.00		0.0000	114.00	No Ice	2.86	5.21	0.03
		Centroid-Le	0.00				1/2" Ice	3.22	5.82	0.07
		g	-1.00				1" Ice	3.59	6.44	0.11
(2) LPA-80090/4CF w/ Mount Pipe	C	From	4.00		0.0000	114.00	No Ice	2.86	5.21	0.03
		Centroid-Le	0.00				1/2" Ice	3.22	5.82	0.07
		g	-1.00				1" Ice	3.59	6.44	0.11
(2) MX06FRO660-03 w/ Mount Pipe	A	From	4.00		0.0000	114.00	No Ice	6.54	5.55	0.10
		Centroid-Le	0.00				1/2" Ice	7.06	6.05	0.18
		g	-1.00				1" Ice	7.60	6.57	0.28
(2) MX06FRO660-03 w/ Mount Pipe	B	From	4.00		0.0000	114.00	No Ice	6.54	5.55	0.10
		Centroid-Le	0.00				1/2" Ice	7.06	6.05	0.18
		g	-1.00				1" Ice	7.60	6.57	0.28
(2) MX06FRO660-03 w/ Mount Pipe	C	From	4.00		0.0000	114.00	No Ice	6.54	5.55	0.10
		Centroid-Le	0.00				1/2" Ice	7.06	6.05	0.18
		g	-1.00				1" Ice	7.60	6.57	0.28
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From	4.00		0.0000	114.00	No Ice	4.92	2.69	0.10
		Centroid-Le	0.00				1/2" Ice	5.26	3.15	0.14
		g	-1.00				1" Ice	5.62	3.63	0.19
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From	4.00		0.0000	114.00	No Ice	4.92	2.69	0.10
		Centroid-Le	0.00				1/2" Ice	5.26	3.15	0.14
		g	-1.00				1" Ice	5.62	3.63	0.19
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From	4.00		0.0000	114.00	No Ice	4.92	2.69	0.10
		Centroid-Le	0.00				1/2" Ice	5.26	3.15	0.14
		g	-1.00				1" Ice	5.62	3.63	0.19
RFV01U-D1A	A	From	4.00		0.0000	114.00	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00				1/2" Ice	2.05	1.39	0.10
		g	-1.00				1" Ice	2.22	1.54	0.12

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	7 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
RFV01U-D1A	B	From	4.00	0.0000	114.00	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00			1/2" Ice	2.05	1.39	0.10
		g	-1.00			1" Ice	2.22	1.54	0.12
RFV01U-D1A	C	From	4.00	0.0000	114.00	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00			1/2" Ice	2.05	1.39	0.10
		g	-1.00			1" Ice	2.22	1.54	0.12
RFV01U-D2A	A	From	4.00	0.0000	114.00	No Ice	1.88	1.01	0.07
		Centroid-Le	0.00			1/2" Ice	2.05	1.14	0.09
		g	-1.00			1" Ice	2.22	1.28	0.11
RFV01U-D2A	B	From	4.00	0.0000	114.00	No Ice	1.88	1.01	0.07
		Centroid-Le	0.00			1/2" Ice	2.05	1.14	0.09
		g	-1.00			1" Ice	2.22	1.28	0.11
RFV01U-D2A	C	From	4.00	0.0000	114.00	No Ice	1.88	1.01	0.07
		Centroid-Le	0.00			1/2" Ice	2.05	1.14	0.09
		g	-1.00			1" Ice	2.22	1.28	0.11
RVZDC-6627-PF-48	A	From	4.00	0.0000	114.00	No Ice	3.79	2.51	0.03
		Centroid-Le	0.00			1/2" Ice	4.04	2.73	0.06
		g	-1.00			1" Ice	4.30	2.95	0.10
Platform Mount [LP 303-1]	A	None		0.0000	114.00	No Ice	14.69	14.69	1.25
						1/2" Ice	18.01	18.01	1.57
						1" Ice	21.34	21.34	1.94

**

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	8 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Comb. No.	Description
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	133 - 86.5	Pole	Max Tension	2	0.00	-0.00	-0.00
			Max. Compression	26	-22.13	0.13	0.33
			Max. Mx	20	-13.76	439.63	0.42
			Max. My	2	-13.76	0.33	441.22
			Max. Vy	20	-14.13	439.63	0.42
			Max. Vx	2	-14.18	0.33	441.22
			Max. Torque	9			0.27
L2	86.5 - 39.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32.08	0.33	0.21
			Max. Mx	20	-21.83	1169.80	0.72
			Max. My	2	-21.83	0.70	1173.98
			Max. Vy	20	-17.76	1169.80	0.72
			Max. Vx	2	-17.82	0.70	1173.98
			Max. Torque	32			-0.38
L3	39.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.23	0.57	0.08
			Max. Mx	20	-34.04	2043.95	0.98
			Max. My	2	-34.04	1.07	2050.62
			Max. Vy	20	-20.94	2043.95	0.98
			Max. Vx	2	-20.99	1.07	2050.62
			Max. Torque	32			-0.59

Maximum Reactions

<p>tnxTower</p> <p>Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350</p>	<p>Job</p> <p>Milford (BU 873633)</p>	<p>Page</p> <p>9 of 14</p>
	<p>Project</p> <p>TEP No. 65119.598858</p>	<p>Date</p> <p>14:42:24 09/11/21</p>
	<p>Client</p> <p>Crown Castle</p>	<p>Designed by</p> <p>SPT</p>

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	46.23	0.00	6.11
	Max. H _x	20	34.05	20.91	0.01
	Max. H _z	2	34.05	0.01	20.97
	Max. M _x	2	2050.62	0.01	20.97
	Max. M _z	8	2043.65	-20.91	-0.01
	Max. Torsion	38	0.59	3.05	5.29
	Min. Vert	7	25.54	-18.11	10.48
	Min. H _x	8	34.05	-20.91	-0.01
	Min. H _z	14	34.05	-0.01	-20.97
	Min. M _x	14	-2050.49	-0.01	-20.97
	Min. M _z	20	-2043.95	20.91	0.01
	Min. Torsion	32	-0.59	-3.05	-5.29

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	28.38	0.00	0.00	-0.05	0.12	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	34.05	-0.01	-20.97	-2050.62	1.07	-0.44
0.9 Dead+1.0 Wind 0 deg - No Ice	25.54	-0.01	-20.97	-2029.93	1.02	-0.44
1.2 Dead+1.0 Wind 30 deg - No Ice	34.05	10.45	-18.16	-1775.45	-1020.96	-0.39
0.9 Dead+1.0 Wind 30 deg - No Ice	25.54	10.45	-18.16	-1757.53	-1010.70	-0.39
1.2 Dead+1.0 Wind 60 deg - No Ice	34.05	18.11	-10.48	-1024.56	-1769.38	-0.24
0.9 Dead+1.0 Wind 60 deg - No Ice	25.54	18.11	-10.48	-1014.21	-1751.58	-0.24
1.2 Dead+1.0 Wind 90 deg - No Ice	34.05	20.91	0.01	0.85	-2043.65	-0.02
0.9 Dead+1.0 Wind 90 deg - No Ice	25.54	20.91	0.01	0.86	-2023.09	-0.02
1.2 Dead+1.0 Wind 120 deg - No Ice	34.05	18.12	10.49	1026.01	-1770.30	0.20
0.9 Dead+1.0 Wind 120 deg - No Ice	25.54	18.12	10.49	1015.68	-1752.48	0.20
1.2 Dead+1.0 Wind 150 deg - No Ice	34.05	10.46	18.16	1776.23	-1022.55	0.37
0.9 Dead+1.0 Wind 150 deg - No Ice	25.54	10.46	18.16	1758.34	-1012.27	0.37
1.2 Dead+1.0 Wind 180 deg - No Ice	34.05	0.01	20.97	2050.49	-0.77	0.44
0.9 Dead+1.0 Wind 180 deg - No Ice	25.54	0.01	20.97	2029.83	-0.80	0.44
1.2 Dead+1.0 Wind 210 deg - No Ice	34.05	-10.45	18.16	1775.32	1021.26	0.39
0.9 Dead+1.0 Wind 210 deg - No Ice	25.54	-10.45	18.16	1757.43	1010.92	0.39
1.2 Dead+1.0 Wind 240 deg - No Ice	34.05	-18.11	10.48	1024.43	1769.68	0.24
0.9 Dead+1.0 Wind 240 deg - No Ice	25.54	-18.11	10.48	1014.11	1751.80	0.24
1.2 Dead+1.0 Wind 270 deg - No Ice	34.05	-20.91	-0.01	-0.98	2043.95	0.02

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	10 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

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
No Ice						
0.9 Dead+1.0 Wind 270 deg - No Ice	25.54	-20.91	-0.01	-0.96	2023.31	0.02
1.2 Dead+1.0 Wind 300 deg - No Ice	34.05	-18.12	-10.49	-1026.15	1770.60	-0.20
0.9 Dead+1.0 Wind 300 deg - No Ice	25.54	-18.12	-10.49	-1015.78	1752.71	-0.20
1.2 Dead+1.0 Wind 330 deg - No Ice	34.05	-10.46	-18.16	-1776.37	1022.85	-0.37
0.9 Dead+1.0 Wind 330 deg - No Ice	25.54	-10.46	-18.16	-1758.43	1012.49	-0.37
1.2 Dead+1.0 Ice+1.0 Temp	46.23	0.00	0.00	-0.08	0.57	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	46.23	-0.00	-6.11	-576.04	0.78	-0.54
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	46.23	3.05	-5.29	-498.79	-286.57	-0.35
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	46.23	5.28	-3.05	-287.91	-496.97	-0.06
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	46.23	6.10	0.00	0.08	-574.05	0.25
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	46.23	5.28	3.06	288.02	-497.15	0.49
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	46.23	3.05	5.29	498.76	-286.88	0.59
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	46.23	0.00	6.11	575.83	0.42	0.54
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	46.23	-3.05	5.29	498.58	287.77	0.35
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	46.23	-5.28	3.05	287.70	498.18	0.06
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	46.23	-6.10	-0.00	-0.29	575.26	-0.25
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	46.23	-5.28	-3.06	-288.23	498.36	-0.49
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	46.23	-3.05	-5.29	-498.97	288.09	-0.59
Dead+Wind 0 deg - Service	28.38	-0.00	-4.94	-480.41	0.34	-0.11
Dead+Wind 30 deg - Service	28.38	2.46	-4.28	-415.95	-239.07	-0.10
Dead+Wind 60 deg - Service	28.38	4.27	-2.47	-240.05	-414.40	-0.06
Dead+Wind 90 deg - Service	28.38	4.93	0.00	0.16	-478.65	-0.01
Dead+Wind 120 deg - Service	28.38	4.27	2.47	240.31	-414.61	0.05
Dead+Wind 150 deg - Service	28.38	2.47	4.28	416.05	-239.45	0.09
Dead+Wind 180 deg - Service	28.38	0.00	4.94	480.30	-0.09	0.11
Dead+Wind 210 deg - Service	28.38	-2.46	4.28	415.84	239.33	0.10
Dead+Wind 240 deg - Service	28.38	-4.27	2.47	239.94	414.65	0.06
Dead+Wind 270 deg - Service	28.38	-4.93	-0.00	-0.27	478.90	0.01
Dead+Wind 300 deg - Service	28.38	-4.27	-2.47	-240.42	414.86	-0.05
Dead+Wind 330 deg - Service	28.38	-2.47	-4.28	-416.16	239.70	-0.09

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-28.38	0.00	0.00	28.38	0.00	0.000%
2	-0.01	-34.05	-20.97	0.01	34.05	20.97	0.000%
3	-0.01	-25.54	-20.97	0.01	25.54	20.97	0.000%
4	10.45	-34.05	-18.16	-10.45	34.05	18.16	0.000%

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	11 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
5	10.45	-25.54	-18.16	-10.45	25.54	18.16	0.000%
6	18.11	-34.05	-10.48	-18.11	34.05	10.48	0.000%
7	18.11	-25.54	-10.48	-18.11	25.54	10.48	0.000%
8	20.91	-34.05	0.01	-20.91	34.05	-0.01	0.000%
9	20.91	-25.54	0.01	-20.91	25.54	-0.01	0.000%
10	18.12	-34.05	10.49	-18.12	34.05	-10.49	0.000%
11	18.12	-25.54	10.49	-18.12	25.54	-10.49	0.000%
12	10.46	-34.05	18.16	-10.46	34.05	-18.16	0.000%
13	10.46	-25.54	18.16	-10.46	25.54	-18.16	0.000%
14	0.01	-34.05	20.97	-0.01	34.05	-20.97	0.000%
15	0.01	-25.54	20.97	-0.01	25.54	-20.97	0.000%
16	-10.45	-34.05	18.16	10.45	34.05	-18.16	0.000%
17	-10.45	-25.54	18.16	10.45	25.54	-18.16	0.000%
18	-18.11	-34.05	10.48	18.11	34.05	-10.48	0.000%
19	-18.11	-25.54	10.48	18.11	25.54	-10.48	0.000%
20	-20.91	-34.05	-0.01	20.91	34.05	0.01	0.000%
21	-20.91	-25.54	-0.01	20.91	25.54	0.01	0.000%
22	-18.12	-34.05	-10.49	18.12	34.05	10.49	0.000%
23	-18.12	-25.54	-10.49	18.12	25.54	10.49	0.000%
24	-10.46	-34.05	-18.16	10.46	34.05	18.16	0.000%
25	-10.46	-25.54	-18.16	10.46	25.54	18.16	0.000%
26	0.00	-46.23	0.00	0.00	46.23	0.00	0.000%
27	-0.00	-46.23	-6.11	0.00	46.23	6.11	0.000%
28	3.05	-46.23	-5.29	-3.05	46.23	5.29	0.000%
29	5.28	-46.23	-3.05	-5.28	46.23	3.05	0.000%
30	6.10	-46.23	0.00	-6.10	46.23	-0.00	0.000%
31	5.28	-46.23	3.06	-5.28	46.23	-3.06	0.000%
32	3.05	-46.23	5.29	-3.05	46.23	-5.29	0.000%
33	0.00	-46.23	6.11	-0.00	46.23	-6.11	0.000%
34	-3.05	-46.23	5.29	3.05	46.23	-5.29	0.000%
35	-5.28	-46.23	3.05	5.28	46.23	-3.05	0.000%
36	-6.10	-46.23	-0.00	6.10	46.23	0.00	0.000%
37	-5.28	-46.23	-3.06	5.28	46.23	3.06	0.000%
38	-3.05	-46.23	-5.29	3.05	46.23	5.29	0.000%
39	-0.00	-28.38	-4.94	0.00	28.38	4.94	0.000%
40	2.46	-28.38	-4.28	-2.46	28.38	4.28	0.000%
41	4.27	-28.38	-2.47	-4.27	28.38	2.47	0.000%
42	4.93	-28.38	0.00	-4.93	28.38	-0.00	0.000%
43	4.27	-28.38	2.47	-4.27	28.38	-2.47	0.000%
44	2.47	-28.38	4.28	-2.47	28.38	-4.28	0.000%
45	0.00	-28.38	4.94	-0.00	28.38	-4.94	0.000%
46	-2.46	-28.38	4.28	2.46	28.38	-4.28	0.000%
47	-4.27	-28.38	2.47	4.27	28.38	-2.47	0.000%
48	-4.93	-28.38	-0.00	4.93	28.38	0.00	0.000%
49	-4.27	-28.38	-2.47	4.27	28.38	2.47	0.000%
50	-2.47	-28.38	-4.28	2.47	28.38	4.28	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00025402
3	Yes	4	0.00000001	0.00010571
4	Yes	5	0.00000001	0.00042590
5	Yes	5	0.00000001	0.00019727

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	12 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

6	Yes	5	0.00000001	0.00043209
7	Yes	5	0.00000001	0.00020043
8	Yes	4	0.00000001	0.00023690
9	Yes	4	0.00000001	0.00008904
10	Yes	5	0.00000001	0.00042937
11	Yes	5	0.00000001	0.00019898
12	Yes	5	0.00000001	0.00042901
13	Yes	5	0.00000001	0.00019878
14	Yes	4	0.00000001	0.00024538
15	Yes	4	0.00000001	0.00009683
16	Yes	5	0.00000001	0.00043266
17	Yes	5	0.00000001	0.00020064
18	Yes	5	0.00000001	0.00042572
19	Yes	5	0.00000001	0.00019725
20	Yes	4	0.00000001	0.00024422
21	Yes	4	0.00000001	0.00009708
22	Yes	5	0.00000001	0.00043072
23	Yes	5	0.00000001	0.00019964
24	Yes	5	0.00000001	0.00043184
25	Yes	5	0.00000001	0.00020009
26	Yes	4	0.00000001	0.00000001
27	Yes	5	0.00000001	0.00010621
28	Yes	5	0.00000001	0.00012653
29	Yes	5	0.00000001	0.00012694
30	Yes	5	0.00000001	0.00010709
31	Yes	5	0.00000001	0.00012727
32	Yes	5	0.00000001	0.00012627
33	Yes	5	0.00000001	0.00010599
34	Yes	5	0.00000001	0.00012744
35	Yes	5	0.00000001	0.00012670
36	Yes	5	0.00000001	0.00010582
37	Yes	5	0.00000001	0.00012680
38	Yes	5	0.00000001	0.00012815
39	Yes	4	0.00000001	0.00002091
40	Yes	4	0.00000001	0.00013154
41	Yes	4	0.00000001	0.00013858
42	Yes	4	0.00000001	0.00002035
43	Yes	4	0.00000001	0.00013454
44	Yes	4	0.00000001	0.00013394
45	Yes	4	0.00000001	0.00002080
46	Yes	4	0.00000001	0.00013893
47	Yes	4	0.00000001	0.00013148
48	Yes	4	0.00000001	0.00002044
49	Yes	4	0.00000001	0.00013608
50	Yes	4	0.00000001	0.00013711

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	133 - 86.5	15.295	39	0.9802	0.0004
L2	90.75 - 39.75	7.233	39	0.7763	0.0003
L3	45 - 0	1.702	39	0.3468	0.0001

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	Milford (BU 873633)	Page	13 of 14
	Project	TEP No. 65119.598858	Date	14:42:24 09/11/21
	Client	Crown Castle	Designed by	SPT

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
133.00	24" x 16" Top Hat	39	15.295	0.9802	0.0004	56768
129.00	AIR 6419 B77G	39	14.482	0.9660	0.0004	56768
114.00	(2) LPA-80090/4CF w/ Mount Pipe	39	11.479	0.9080	0.0004	14939

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load Comb.	Tilt	Twist
	ft	in		°	°
L1	133 - 86.5	65.350	2	4.1907	0.0019
L2	90.75 - 39.75	30.906	2	3.3194	0.0014
L3	45 - 0	7.270	2	1.4820	0.0006

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
133.00	24" x 16" Top Hat	2	65.350	4.1907	0.0019	13397
129.00	AIR 6419 B77G	2	61.876	4.1300	0.0018	13397
114.00	(2) LPA-80090/4CF w/ Mount Pipe	2	49.046	3.8821	0.0017	3524

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	KI/r	A	P _u	φP _n	Ratio P _u
	ft		ft	ft		in ²	K	K	φP _n
L1	133 - 86.5 (1)	TP33.116x24x0.25	46.50	0.00	0.0	25.4180	-13.76	1486.96	0.009
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	51.00	0.00	0.0	36.1267	-21.83	2113.41	0.010
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	45.00	0.00	0.0	57.8878	-34.04	3386.44	0.010

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job Milford (BU 873633)	Page 14 of 14
	Project TEP No. 65119.598858	Date 14:42:24 09/11/21
	Client Crown Castle	Designed by SPT

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux}	ϕM_{rx}	Ratio	M_{uy}	ϕM_{ry}	Ratio
			kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{rx}}$	kip-ft	kip-ft	$\frac{M_{uy}}{\phi M_{ry}}$
L1	133 - 86.5 (1)	TP33.116x24x0.25	441.21	1140.83	0.387	0.00	1140.83	0.000
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	1173.98	1961.90	0.598	0.00	1961.90	0.000
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	2050.62	3928.24	0.522	0.00	3928.24	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual	ϕV_n	Ratio	Actual	ϕT_n	Ratio
			V_u K	K	$\frac{V_u}{\phi V_n}$	T_u kip-ft	kip-ft	$\frac{T_u}{\phi T_n}$
L1	133 - 86.5 (1)	TP33.116x24x0.25	14.18	446.09	0.032	0.10	1251.39	0.000
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	17.82	634.02	0.028	0.27	2247.06	0.000
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	20.99	1015.93	0.021	0.44	4327.06	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{rx}}$	$\frac{M_{uy}}{\phi M_{ry}}$	$\frac{V_u}{\phi V_n}$	$\frac{T_u}{\phi T_n}$			
L1	133 - 86.5 (1)	0.009	0.387	0.000	0.032	0.000	0.397	1.050	4.8.2
L2	86.5 - 39.75 (2)	0.010	0.598	0.000	0.028	0.000	0.610	1.050	4.8.2
L3	39.75 - 0 (3)	0.010	0.522	0.000	0.021	0.000	0.533	1.050	4.8.2

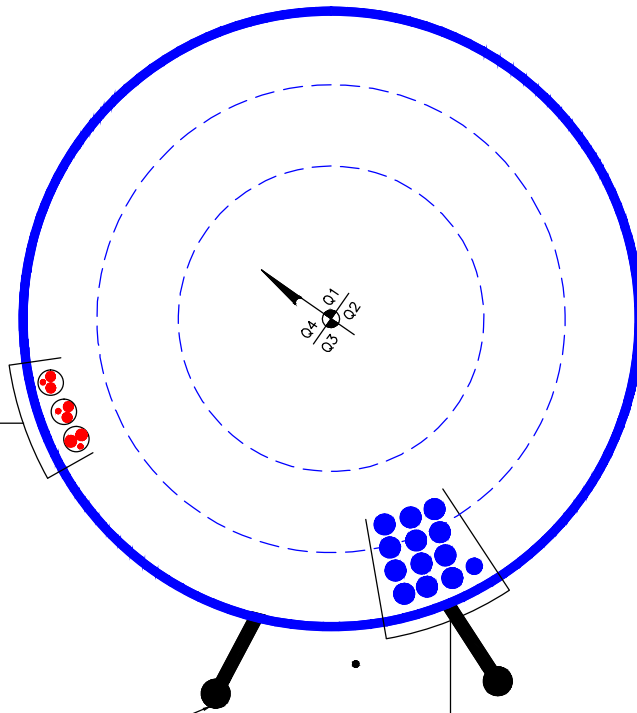
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	133 - 86.5	Pole	TP33.116x24x0.25	1	-13.76	1561.31	37.8	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-21.83	2219.08	58.0	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-34.04	3555.76	50.7	Pass
Summary								
Pole (L2)							58.0	Pass
RATING =							58.0	Pass

APPENDIX B
BASE LEVEL DRAWING



(PROPOSED EQUIPMENT CONFIGURATION—IN CONDUIT)
(3) 3/8" TO 129 FT LEVEL
(4) 13/16" TO 129 FT LEVEL
(2) 7/8" TO 129 FT LEVEL



CLIMBING FEES W/
SAFETY CLIMB

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/4" TO 114 FT LEVEL
(12) 1-5/8" TO 114 FT LEVEL

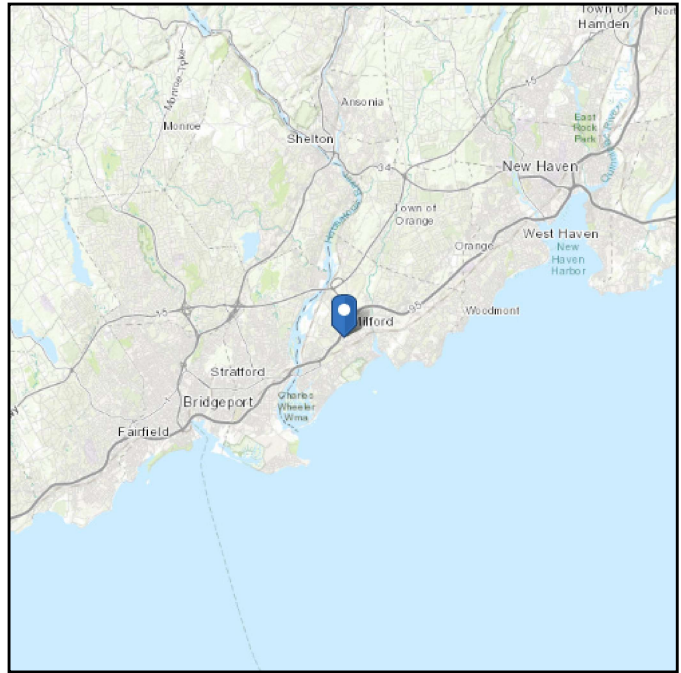
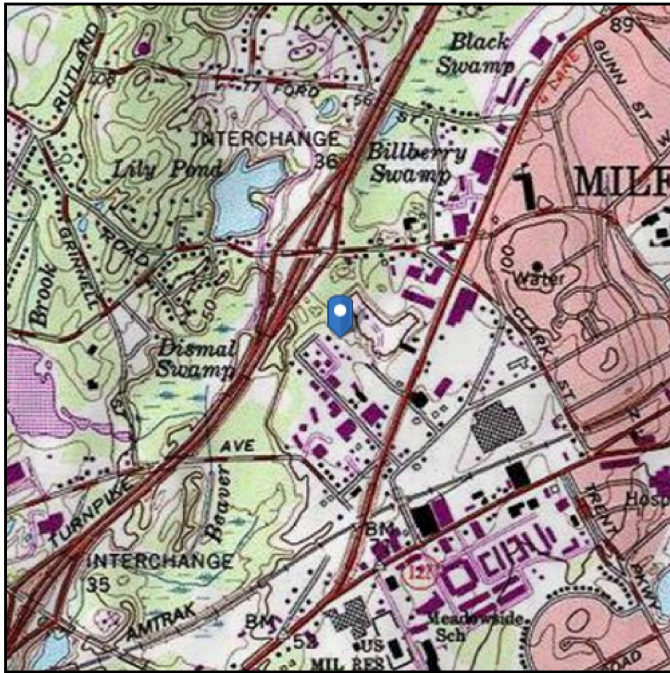
APPENDIX C
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 69.27 ft (NAVD 88)
Latitude: 41.220075
Longitude: -73.077378



Wind

Results:

Wind Speed:	120 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	91 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Sat Sep 11 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

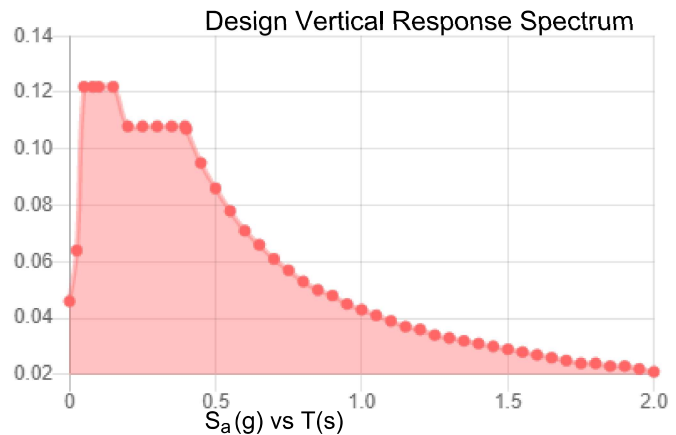
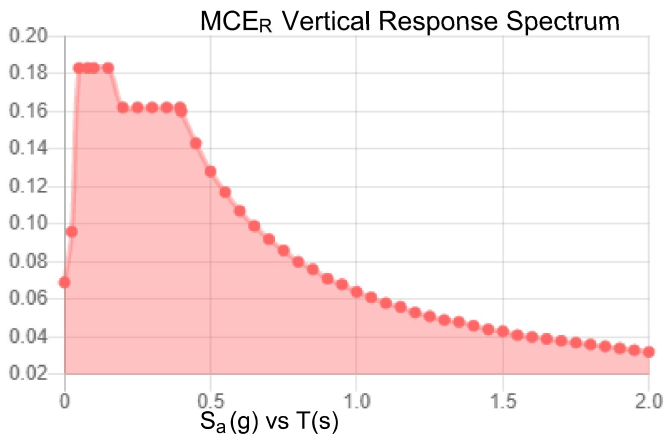
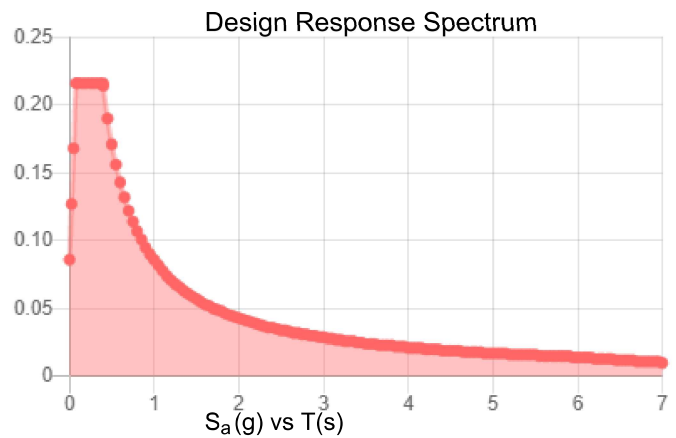
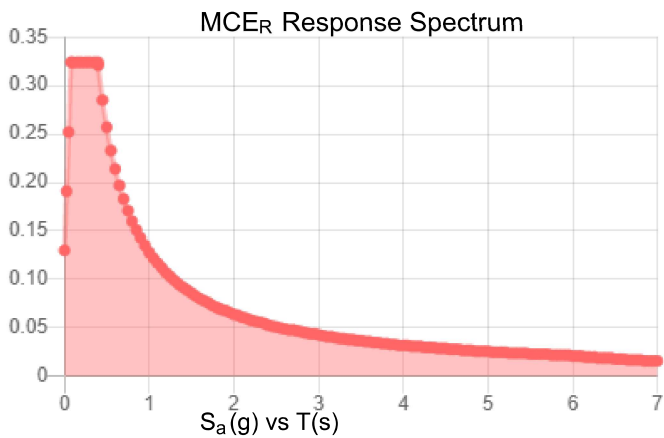
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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

Results:

S_s :	0.203	S_{D1} :	0.086
S_1 :	0.053	T_L :	6
F_a :	1.6	PGA :	0.114
F_v :	2.4	PGA _M :	0.179
S_{MS} :	0.324	F_{PGA} :	1.572
S_{M1} :	0.128	I_e :	1
S_{DS} :	0.216	C_v :	0.705

Seismic Design Category B



Data Accessed:

Sat Sep 11 2021

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Sat Sep 11 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Monopole Base Plate Connection

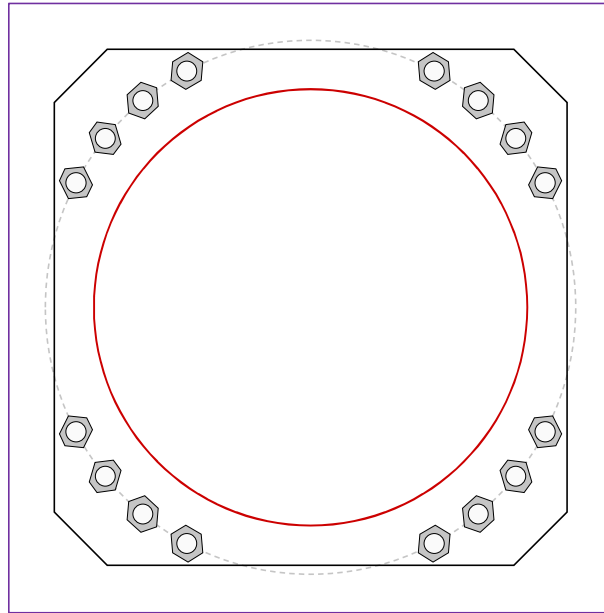


Site Info	
BU #	873633
Site Name	Milford
Order #	556504 Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{gr} (in)	1.25

Applied Loads	
Moment (kip-ft)	2051.00
Axial Force (kips)	34.00
Shear Force (kips)	21.00

*TIA-222-H Section 15.5 Applied



Connection Properties Analysis Results

Anchor Rod Data	
(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 60" BC <i>Anchor Spacing: 6 in</i>	
Base Plate Data	
58" W x 3.25" Plate (A572-55; $F_y=55$ ksi, $F_u=70$ ksi); Clip: 6 in	
Stiffener Data	
N/A	
Pole Data	
49.01" x 0.375" 18-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)	

Anchor Rod Summary		<i>(units of kips, kip-in)</i>	
$Pu_t = 100.37$	$\phi Pn_t = 243.75$	Stress Rating	
$Vu = 1.31$	$\phi Vn = 149.1$	39.2%	
$Mu = n/a$	$\phi Mn = n/a$	Pass	
Base Plate Summary			
Max Stress (ksi):	22.29		(Flexural)
Allowable Stress (ksi):	49.5		
Stress Rating:	42.9%	Pass	

Drilled Pier Foundation

BU # : 873633
Site Name: Milford
Order Number: 556504 Rev. 0
TIA-222 Revision: H
Tower Type: Monopole



Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
	N/A

Analysis Results			
Soil Lateral Check			
D_{eq} (ft from TOC)	Compression	Uplift	
Soil Safety Factor	6.57	-	-
Max Moment (kip-ft)	4.43	-	-
	2165.61	-	-
Rating*	28.6%	-	-
Soil Vertical Check			
	Compression	Uplift	
Skin Friction (kips)	600.55	-	-
End Bearing (kips)	375.22	-	-
Weight of Concrete (kips)	176.64	-	-
Total Capacity (kips)	975.77	-	-
Axial (kips)	210.64	-	-
Rating*	20.6%	-	-

Reinforced Concrete Flexure		Reinforced Concrete Shear	
Critical Depth (ft from TOC)	6.63	Critical Depth (ft from TOC)	18.69
Critical Moment (kip-ft)	2165.59	Critical Shear (kip)	250.80
Critical Moment Capacity	5804.16	Critical Shear Capacity	566.87
Rating*	35.5%	Rating*	42.1%

Structural Foundation Rating*		Soil Interaction Rating*	
	42.1%		28.6%
*Rating per TIA-222-H Section 15.5			

Applied Loads	
Comp.	Uplift
Moment (kip-ft)	2051
Axial Force (kips)	34
Shear Force (kips)	21

Material Properties	
Concrete Strength, f_c :	3 ksi
Rebar Strength, F_y :	60 ksi
Tie Yield Strength, F_y :	40 ksi

Pier Design Data	
Depth	25 ft
Ext. Above Grade	0.5 ft
Pier Section 1	
<i>From 0.5' above grade to 25' below grade</i>	
Pier Diameter	7 ft
Rebar Quantity	24
Rebar Size	11
Clear Cover to Ties	4 in
Tie Size	5
Tie Spacing	18 in

Rebar 2 F_y Override (ksi)	Rebar 3 F_y Override (ksi)

Rebar & Pier Options
Embedded Rebar Inputs
Belled Pier Inputs

Soil Profile	
# of Layers	2

Groundwater Depth	N/A
-------------------	-----

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	3.5	3.5	120	150	0	0	0.000	0.000	0.00	0.00	10	19	Cohesionless
2	3.5	25	21.5	120	150	0	30	1.694	1.694					Cohesionless

Pier and Pad Foundation



BU # :	873633
Site Name:	Milford
App. Number:	556504 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	<input type="checkbox"/>
Block Foundation?:	<input type="checkbox"/>
Rectangular Pad?:	<input type="checkbox"/>

Superstructure Analysis Reactions		
Compression, P_{comp} :	34	kips
Base Shear, V_{u_comp} :	21	kips
Moment, M_u :	2051	ft-kips
Tower Height, H :	133	ft
BP Dist. Above Fdn, bp_{dist} :	3.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	245.48	21.00	8.1%	Pass
<i>Bearing Pressure (ksf)</i>	7.50	1.83	23.2%	Pass
<i>Overtuning (kip*ft)</i>	5160.98	2214.63	42.9%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	7554.27	2145.50	27.0%	Pass
<i>Pier Compression (kip)</i>	23390.64	73.69	0.3%	Pass
<i>Pad Flexure (kip*ft)</i>	4940.35	699.84	13.5%	Pass
<i>Pad Shear - 1-way (kips)</i>	715.56	115.71	15.4%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.164	0.023	13.3%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	6626.53	1287.30	18.5%	Pass

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	32	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Structural Rating*:	27.0%
Soil Rating*:	42.9%

Pad Properties		
Depth, D :	7	ft
Pad Width, W_1 :	23.5	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	24	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	3	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	100	pcf
Ultimate Gross Bearing, Q_{ult} :	10,000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :	19	
Base Friction, μ :	0.45	
Neglected Depth, N :	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

<--Toggle between Gross and Net

Exhibit E

Mount Analysis

Date: **September 3, 2021**

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
Infinigy Engineering, PLLC
1033 Watervliet Shaker Road
Albany, NY 12205
518-690-0790
structural@infinigy.com

Kevin Morrow
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277
704-405-6619

Subject: Mount Analysis Report

Carrier Designation: **AT&T Mobility Direct**
Carrier Site Number: CTL2082
Carrier Site Name: CTL2082
Carrier FA Number: 10035338

Crown Castle Designation: **Crown Castle BU Number:** 873633
Crown Castle Site Name: Milford
Crown Castle JDE Job Number: 649405
Crown Castle Order Number: 556504 Rev.0

Engineering Firm Designation: **Infinigy Engineering, PLLC Report Designation: 1039-Z0001-B**

Site Data: **10 Bona Street, Milford, New Haven County, CT, 06461**
Latitude 41°13'12.27" Longitude -73°4'38.56"

Structure Information: **Tower Height & Type:** **133.0 ft Monopole**
Mount Elevation: **129.0 ft**
Mount Type: **12.5 ft Platform**

Dear Kevin Morrow,

Infinigy Engineering, PLLC is pleased to submit this **"Mount Analysis Report"** to determine the structural integrity of AT&T Mobility'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

Sufficient

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

Mount analysis prepared by: Leehou Proc

Respectfully Submitted by:
Emmanuel Poulin, P.E.
518-690-0790
structural@infinigy.com
CT PE License No. 22947

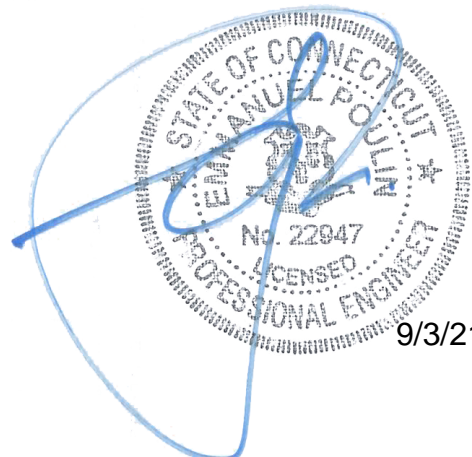


TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

4.1) Recommendations

5) APPENDIX A

Wire Frame and Rendered Models

6) APPENDIX B

Software Input Calculations

7) APPENDIX C

Software Analysis Output

8) APPENDIX D

Additional Calculations

1) INTRODUCTION

This is an existing 3-sector 12.5 ft Platform, designed by Site Pro 1.

2) ANALYSIS CRITERIA

Building Code:	2018 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor at Base:	1.0
Topographic Factor at Mount:	1.0
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.194
Seismic S₁:	0.063
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details
129.0	133.0	3	CCI ANTENNAS	DMP65R-BU4E	12.5 ft Platform (Site Pro 1 F3P-12 WLL)
		3	ERICSSON	AIR 6419 B77G	
		3	ERICSSON	AIR 6449 B77D	
		3	KATHREIN	80010964	
		2	COMMSCOPE	WCS-IMFQ-AMT	
		3	ERICSSON	RRUS 32 B30	
		3	ERICSSON	RRUS 4449 B5/B12	
		3	ERICSSON	RRUS 4478 B14 CCIV2	
		3	ERICSSON	RRUS 8843 B2/B66A	

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	AT&T Mobility Application	556504 Rev.0	CCI Sites
Loading Document	AT&T Mobility	RFDS ID: 4391584	TSA
Mount Manufacturer Drawings	Site Pro 1	Part No: F3P-12 WLL	Infinigy

3.1) Analysis Method

RISA-3D (Version 19.0.4), 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.

Infinigy Mount Analysis Tool V2.1.7, a tool internally developed by Infinigy, was used to calculate wind loading on all appurtenances, dishes and mount members for various loading cases. Selected output from the analysis is included in Appendix B "Software Input Calculations".

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

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 specifications.
- 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) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
- 5) Prior structural modifications to the tower mounting system are assumed to be installed as shown per available data.
- 6) Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate	Q345 (GR 36)
HSS (Rectangular)	Q235-GB (GR 35)
Pipe	Q235-GB (GR 35)
Connection Bolts	ASTM A325

This analysis may be affected if any assumptions are not valid or have been made in error. Infinigy Engineering, 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, All Sectors)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1,2	Mount Pipe(s)	MP10	129.0	58.6	Pass
	Horizontal(s)	M177		21.2	Pass
	Standoff(s)	M54		10.5	Pass
	Walking Platform(s)	M534		89.8	Pass
	Mount Connection(s)	--		10.6	Pass

Structure Rating (max from all components) =	89.8%
---	--------------

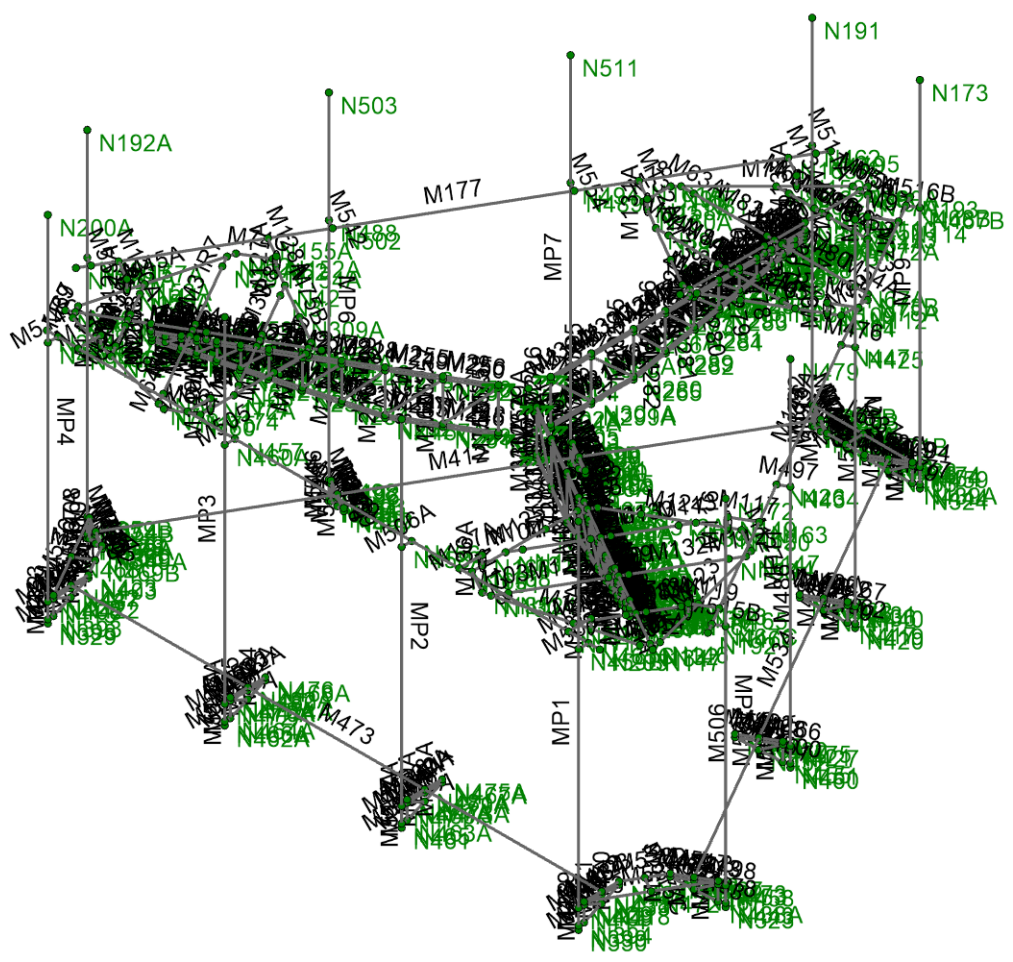
Notes:

- 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 detailed mount connection calculations.

4.1) Recommendations

The mount has sufficient capacity to carry the proposed loading configuration. No modifications are required at this time.

APPENDIX A
WIRE FRAME AND RENDERED MODELS

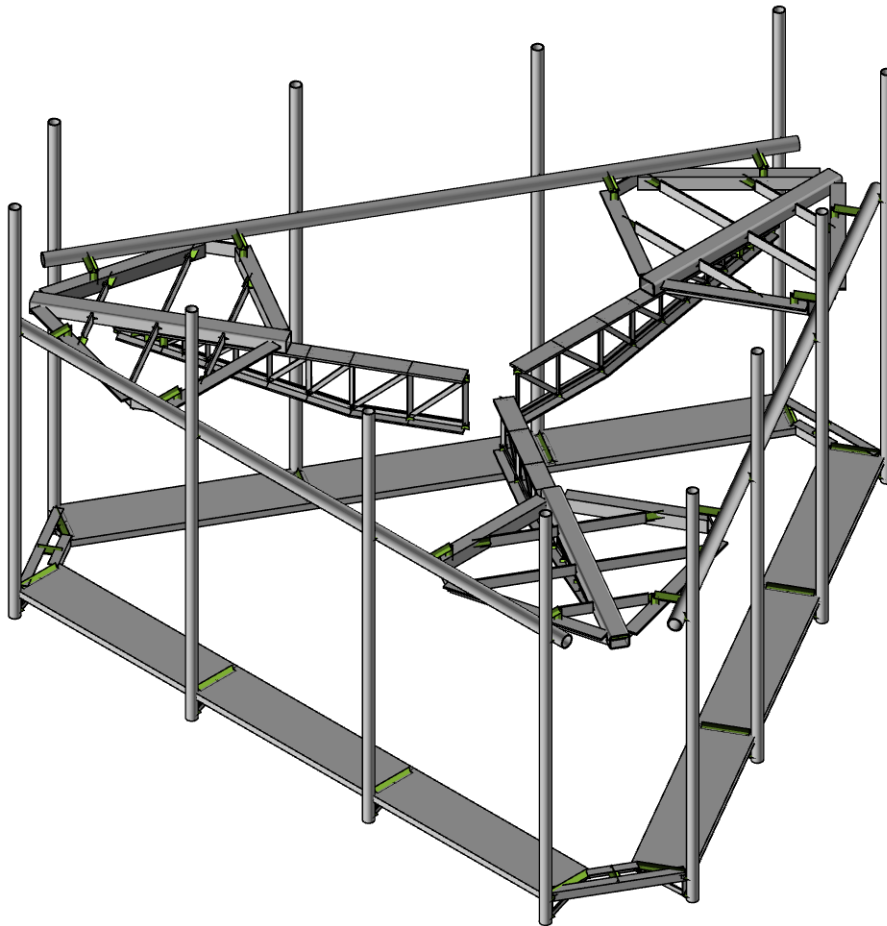
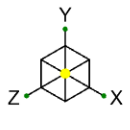


Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Wireframe - 1
Sep 03, 2021
873633_loaded.r3d



Envelope Only Solution

Infinigy Engineering, PLLC

LP

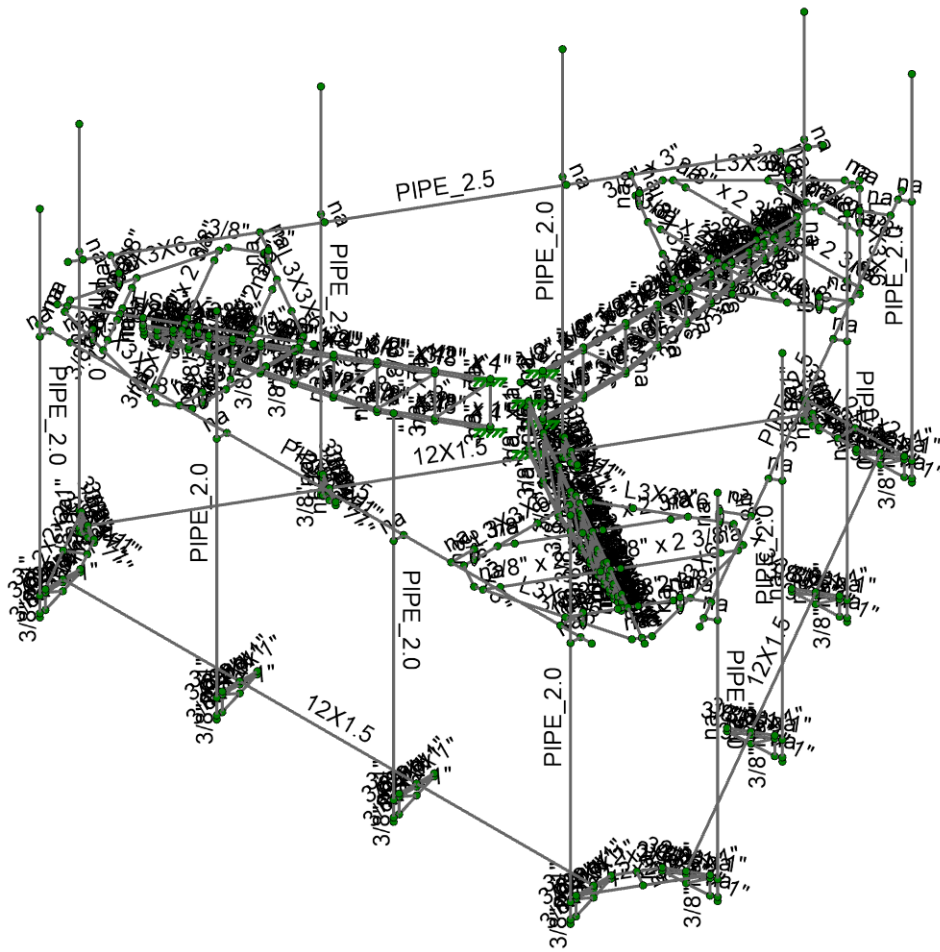
1039-Z0001-B

873633

Rendered - 2

Sep 03, 2021

873633_loaded.r3d



Envelope Only Solution

Infinigy Engineering, PLLC

LP

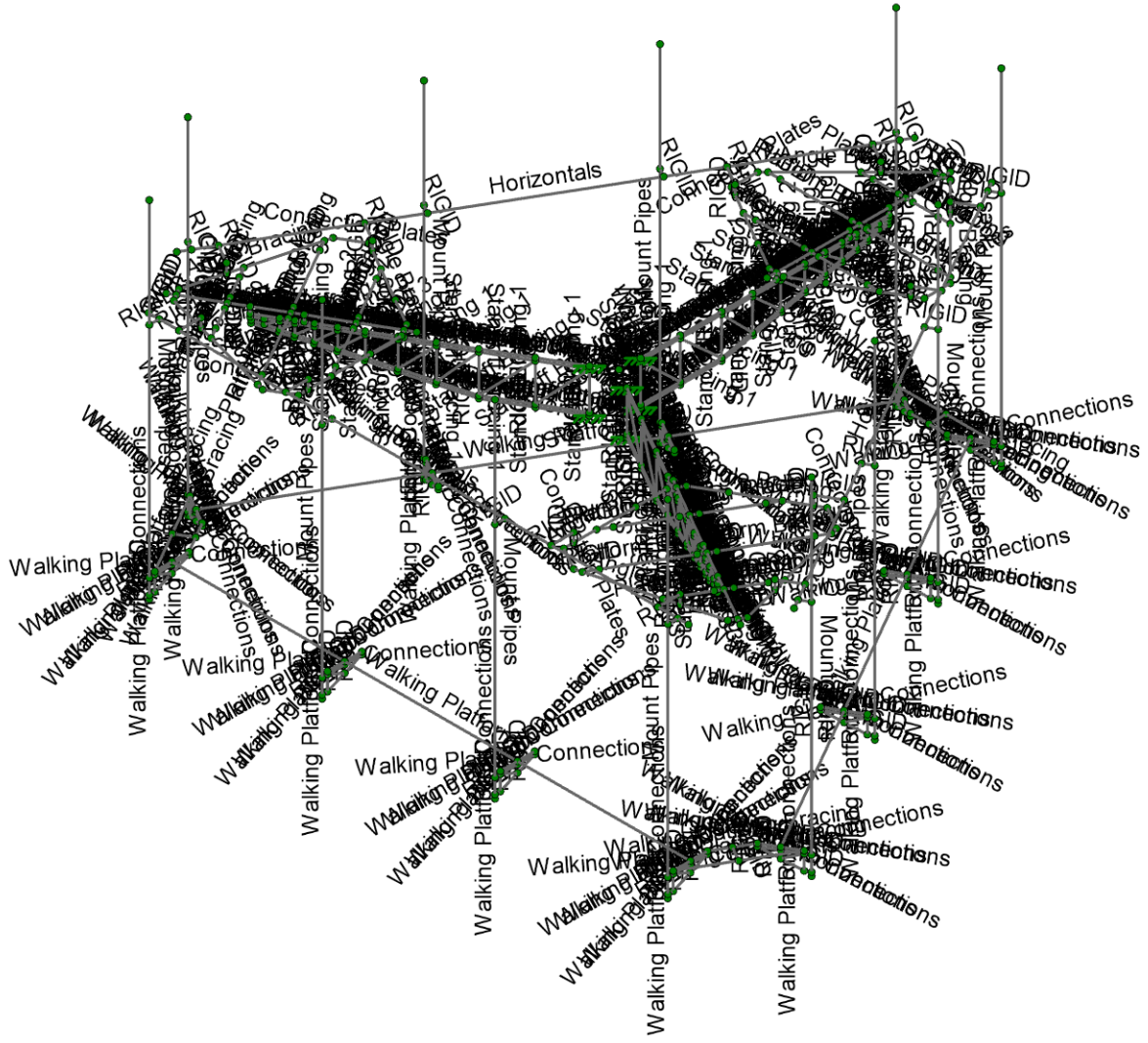
1039-Z0001-B

873633

Shape - 3

Sep 03, 2021

873633_loaded.r3d



Envelope Only Solution

Infinigy Engineering, PLLC

873633

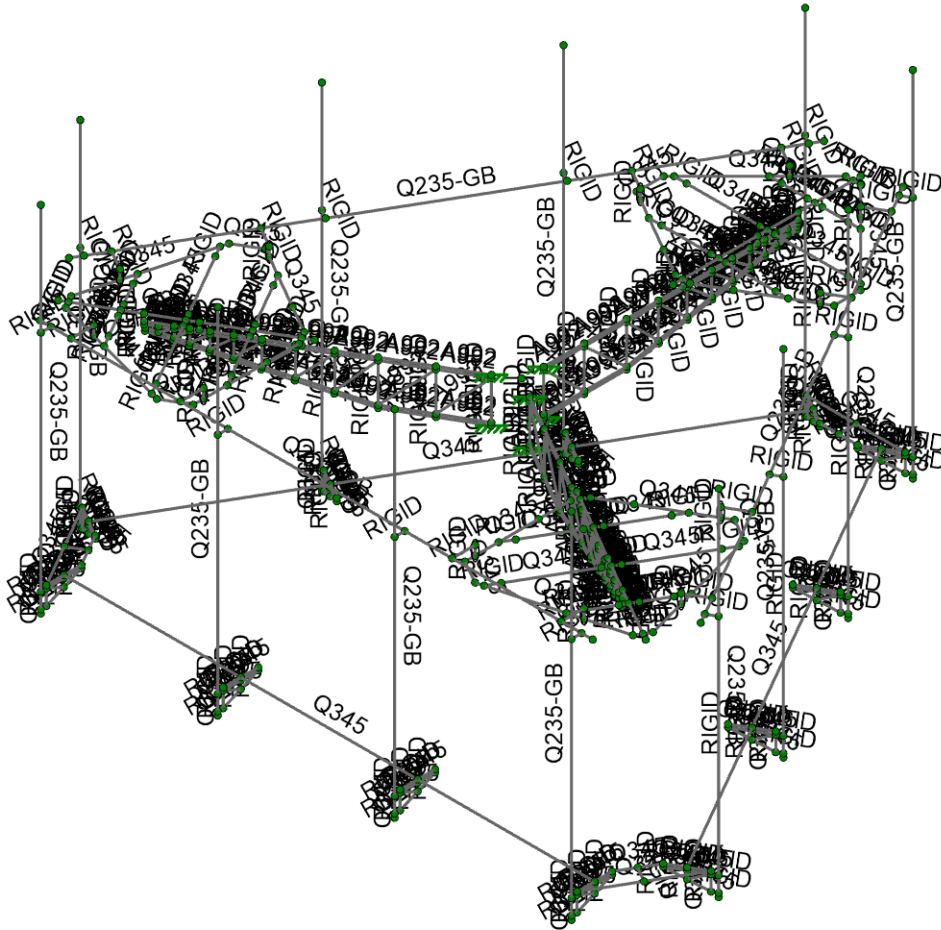
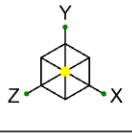
Section Sets - 4

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Envelope Only Solution

Infinigy Engineering, PLLC

873633

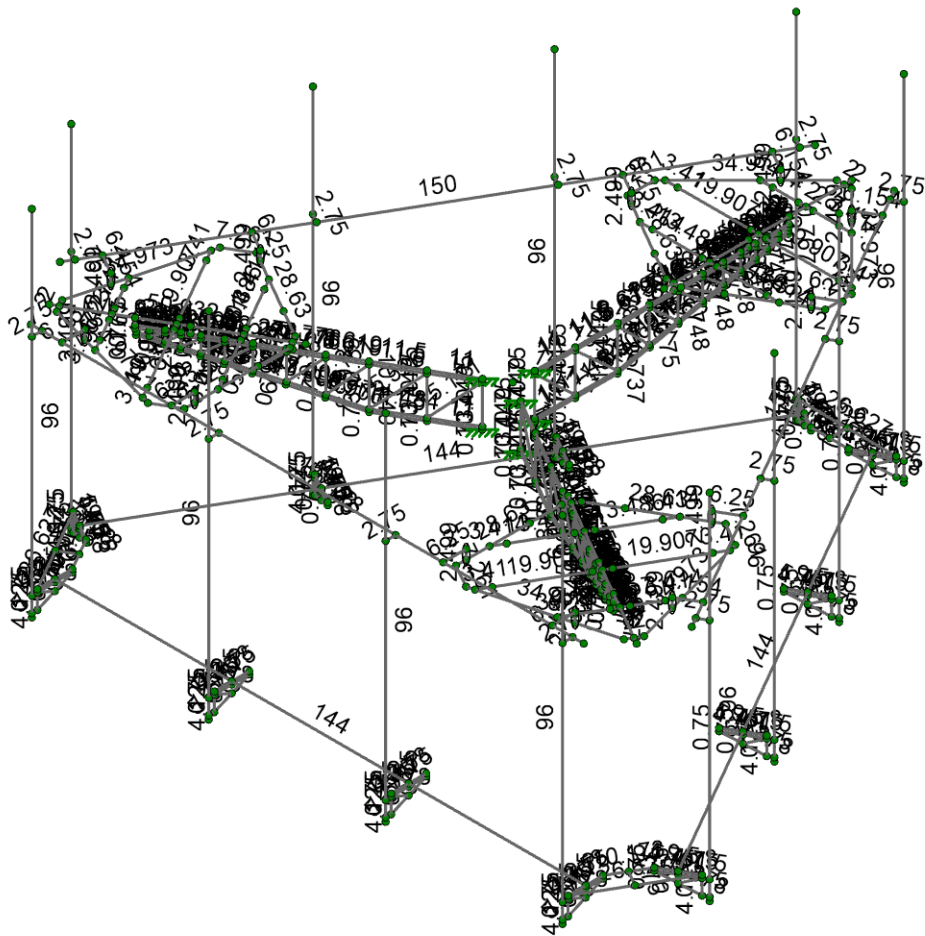
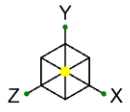
Grade - 5

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Member Length (in) Displayed
Envelope Only Solution

Infinigy Engineering, PLLC

873633

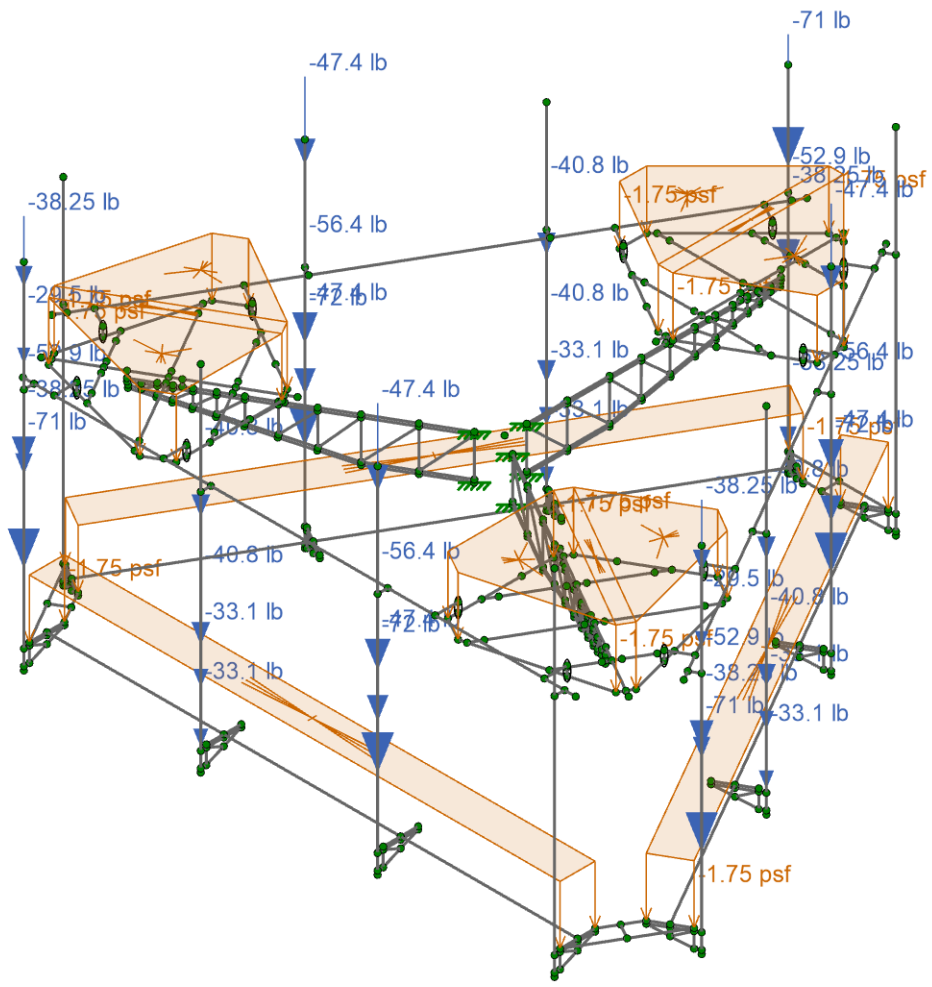
Length - 6

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 1, Self Weight
Envelope Only Solution

Infinigy Engineering, PLLC

873633

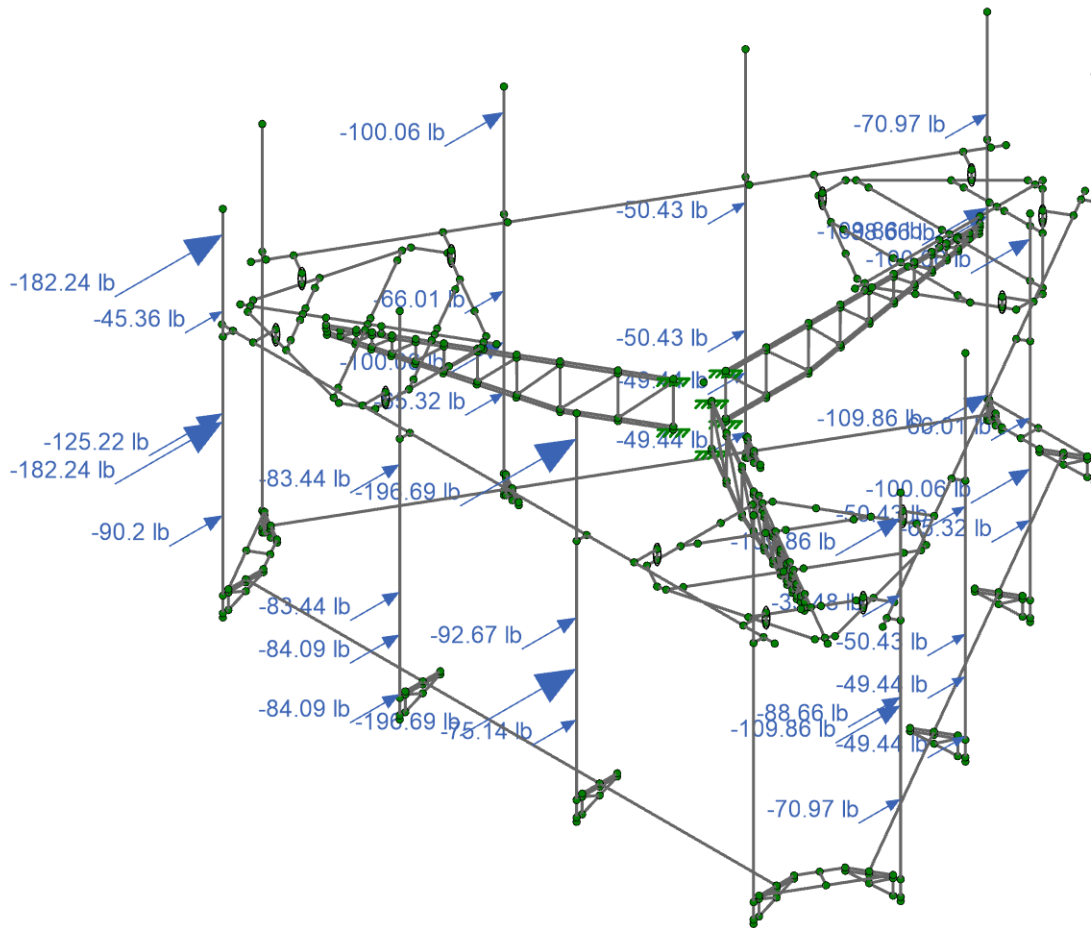
Self Weight - 7

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 2, Wind Load AZI 0
Envelope Only Solution

Infinigy Engineering, PLLC

873633

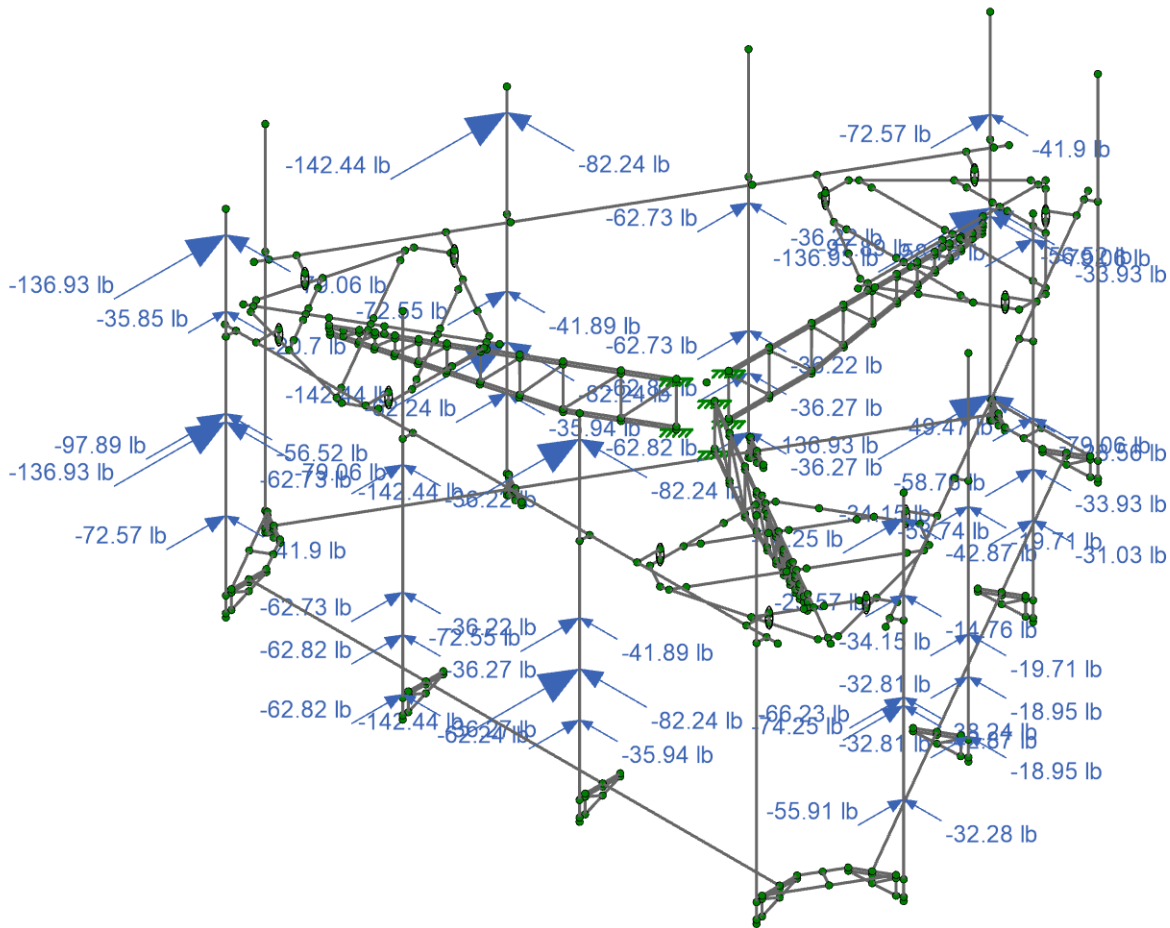
Wind Loading 0 - 8

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 3, Wind Load AZI 30
Envelope Only Solution

Infinigy Engineering, PLLC

873633

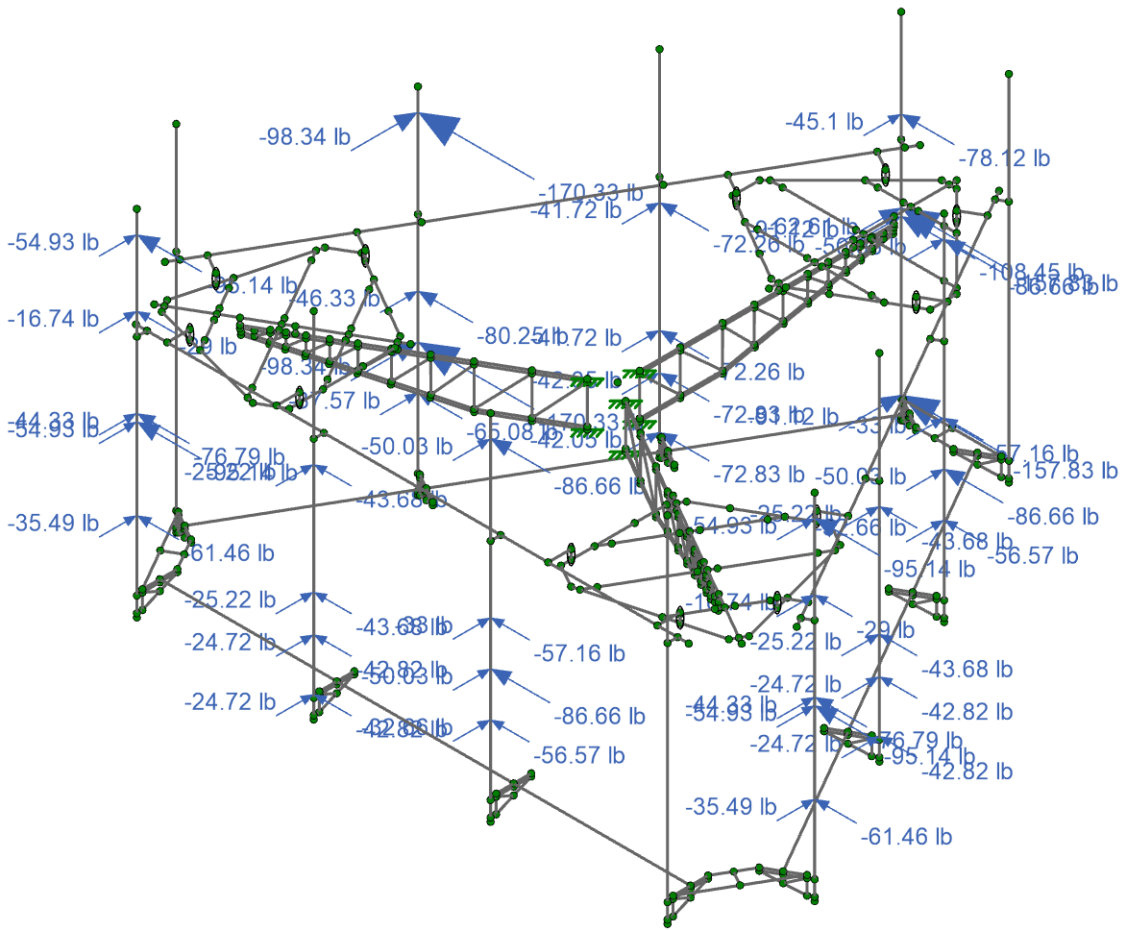
Wind Loading 30 - 9

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 4, Wind Load AZI 60
Envelope Only Solution

Infinigy Engineering, PLLC

873633

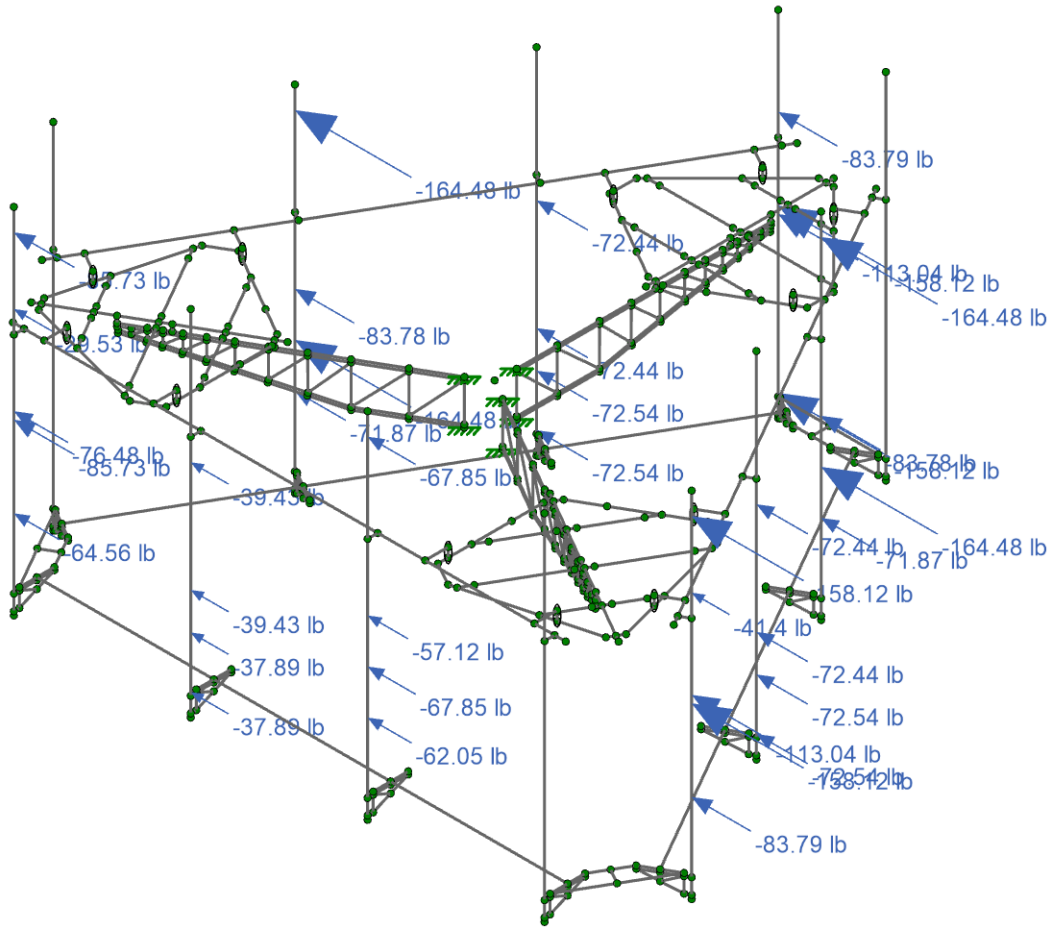
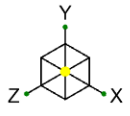
Wind Loading 60 - 10

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 5, Wind Load AZI 90
Envelope Only Solution

Infinigy Engineering, PLLC

LP

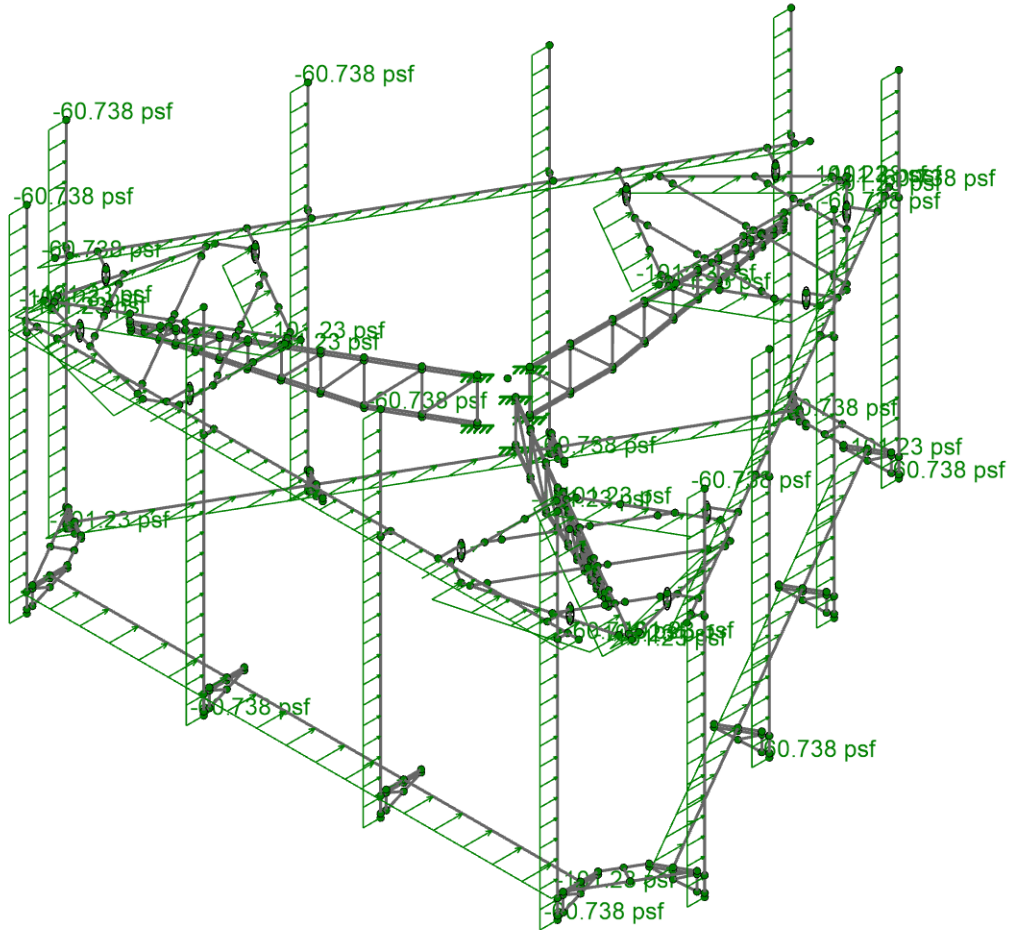
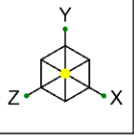
1039-Z0001-B

873633

Wind Loading 90 - 11

Sep 03, 2021

873633_loaded.r3d

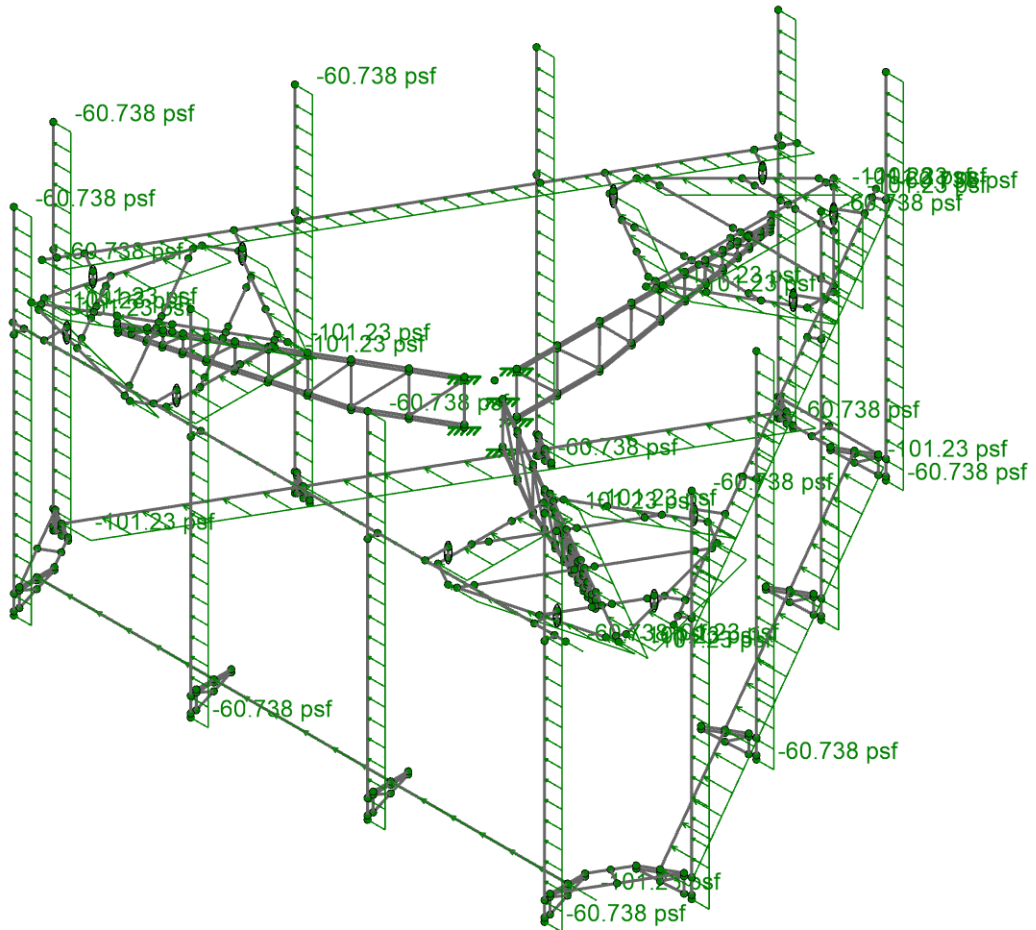


Loads: BLC 14, Distr. Wind Load Z
Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Dist. Wind Loading 0 - 12
Sep 03, 2021
873633_loaded.r3d



Loads: BLC 15, Distr. Wind Load X
Envelope Only Solution

Infinigy Engineering, PLLC

873633

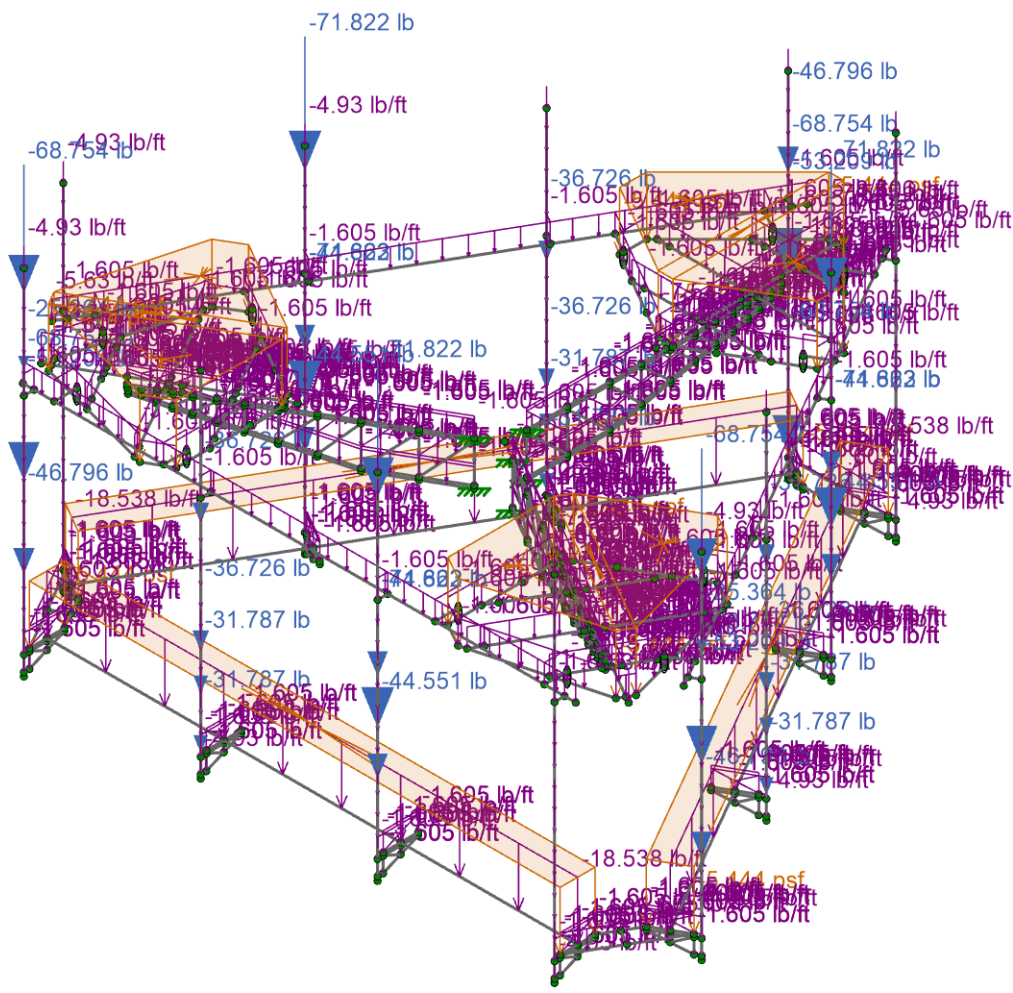
Dist. Wind Loading 90 - 13

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d

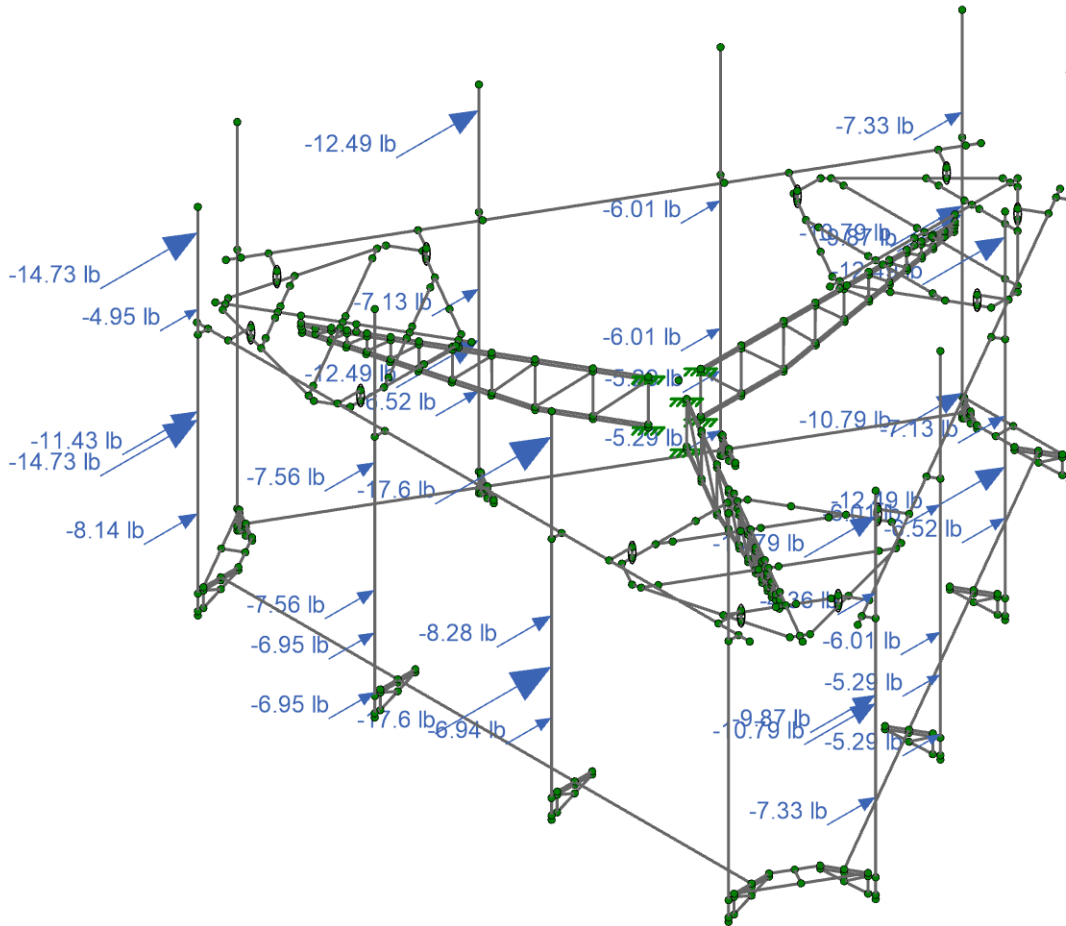


Loads: BLC 16, Ice Weight
Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Ice Weight - 14
Sep 03, 2021
873633_loaded.r3d



Loads: BLC 17, Ice Wind Load AZI 0
Envelope Only Solution

Infinigy Engineering, PLLC

873633

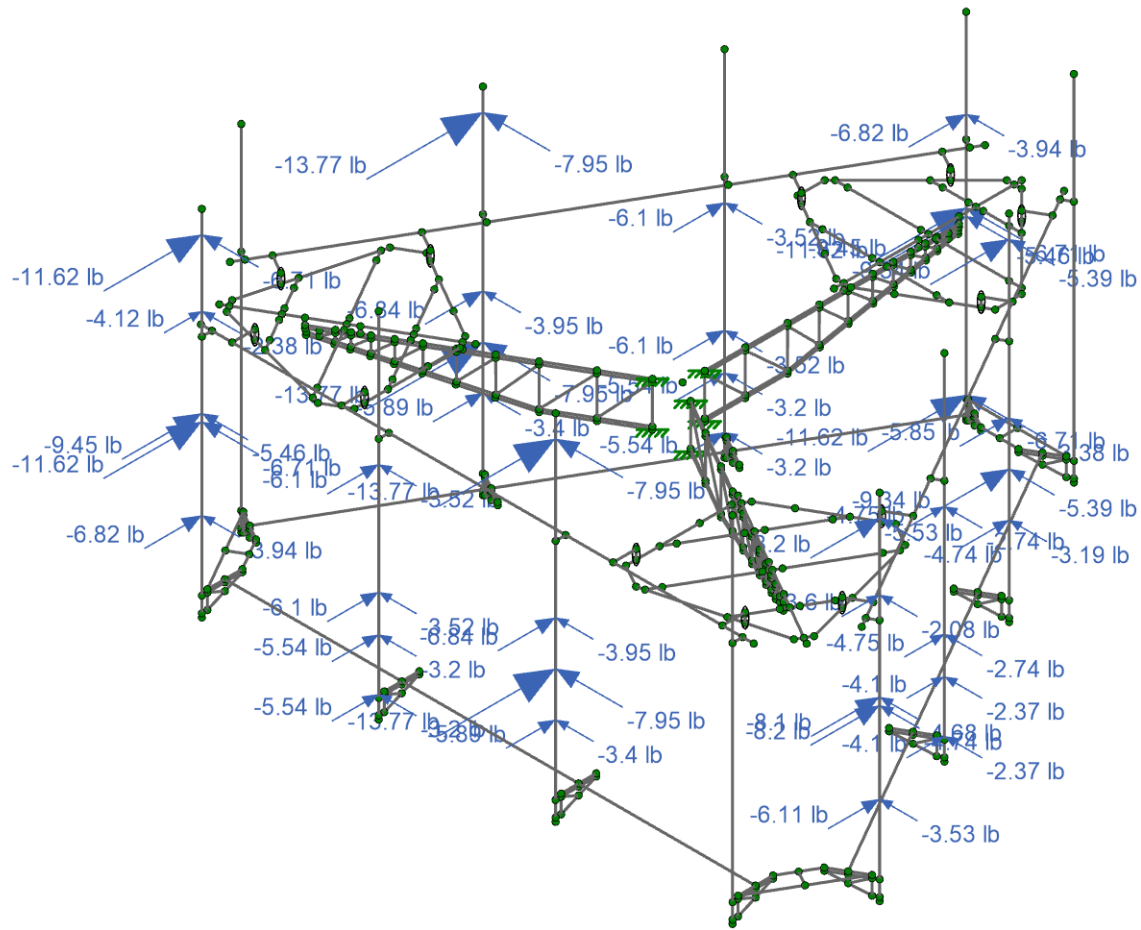
Ice Wind Loading 0 - 15

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d

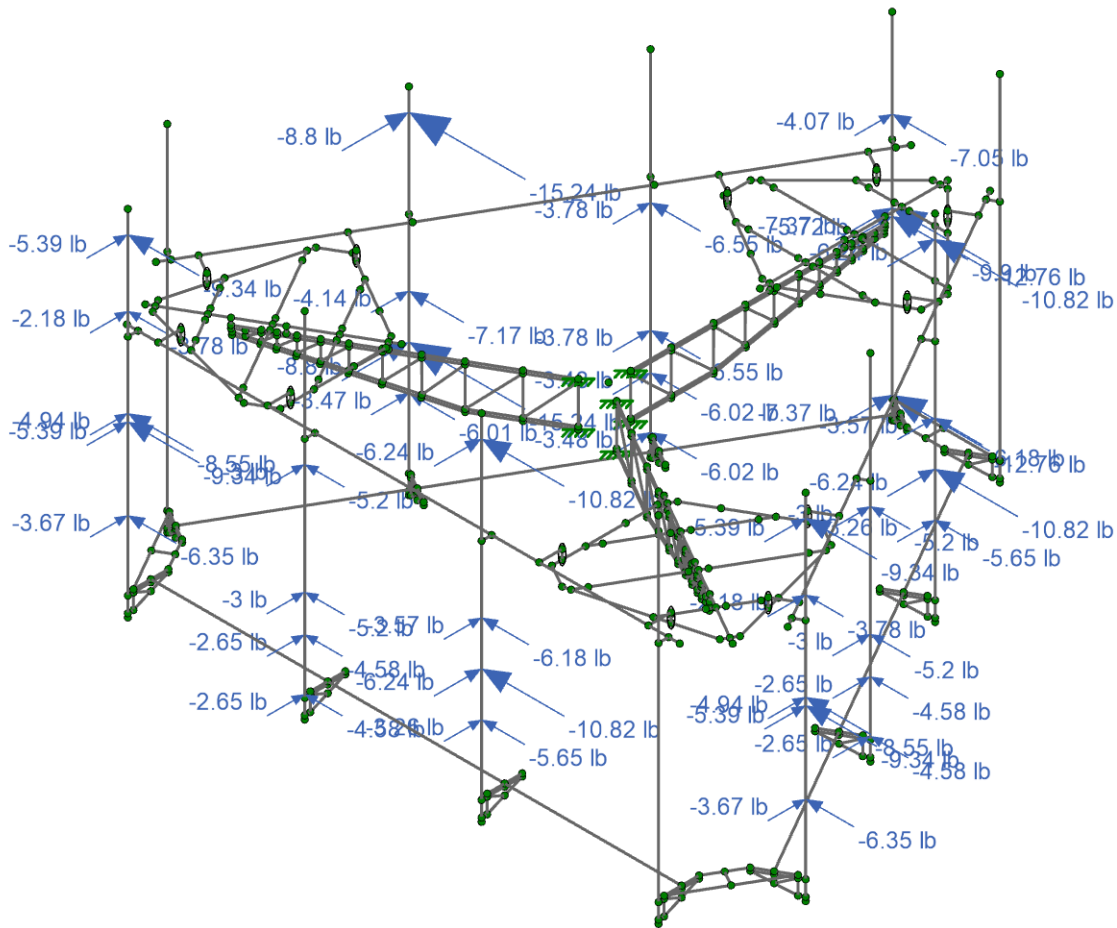


Loads: BLC 18, Ice Wind Load AZI 30
Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Ice Wind Loading 30 - 16
Sep 03, 2021
873633_loaded.r3d

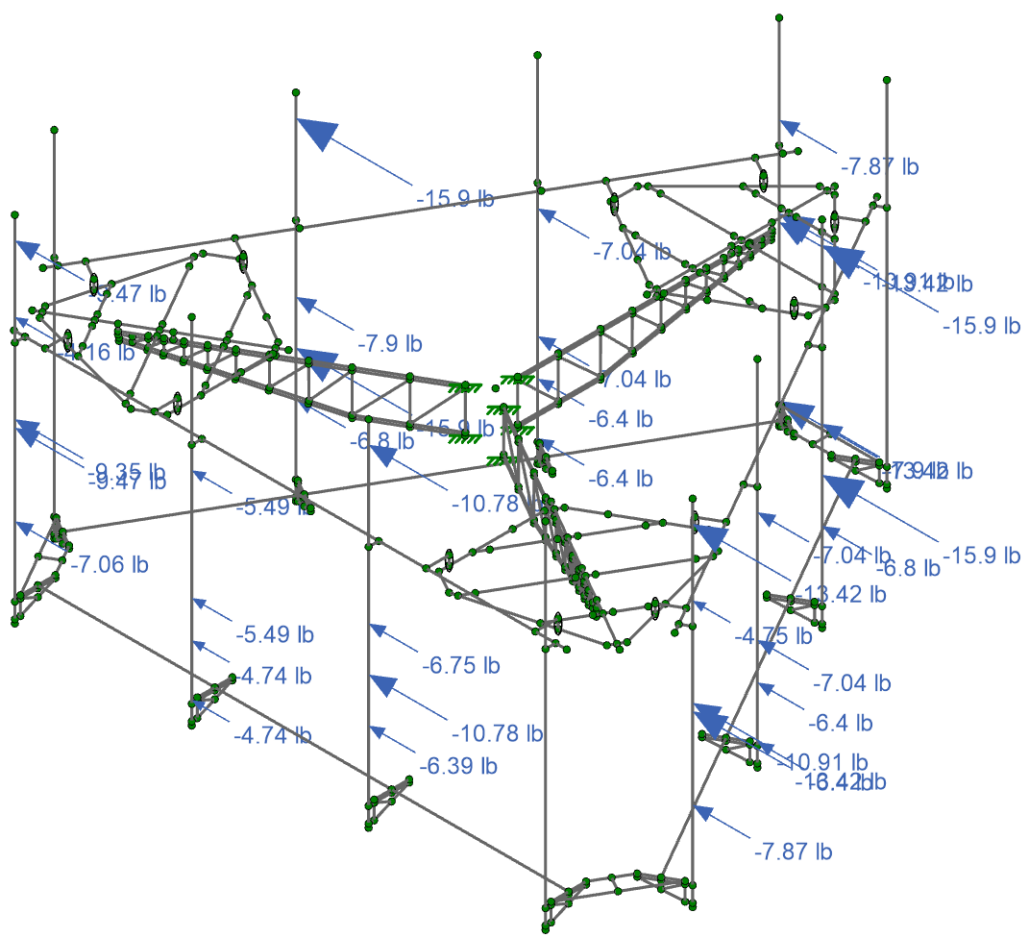


Loads: BLC 19, Ice Wind Load AZI 60
Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Ice Wind Loading 60 - 17
Sep 03, 2021
873633_loaded.r3d

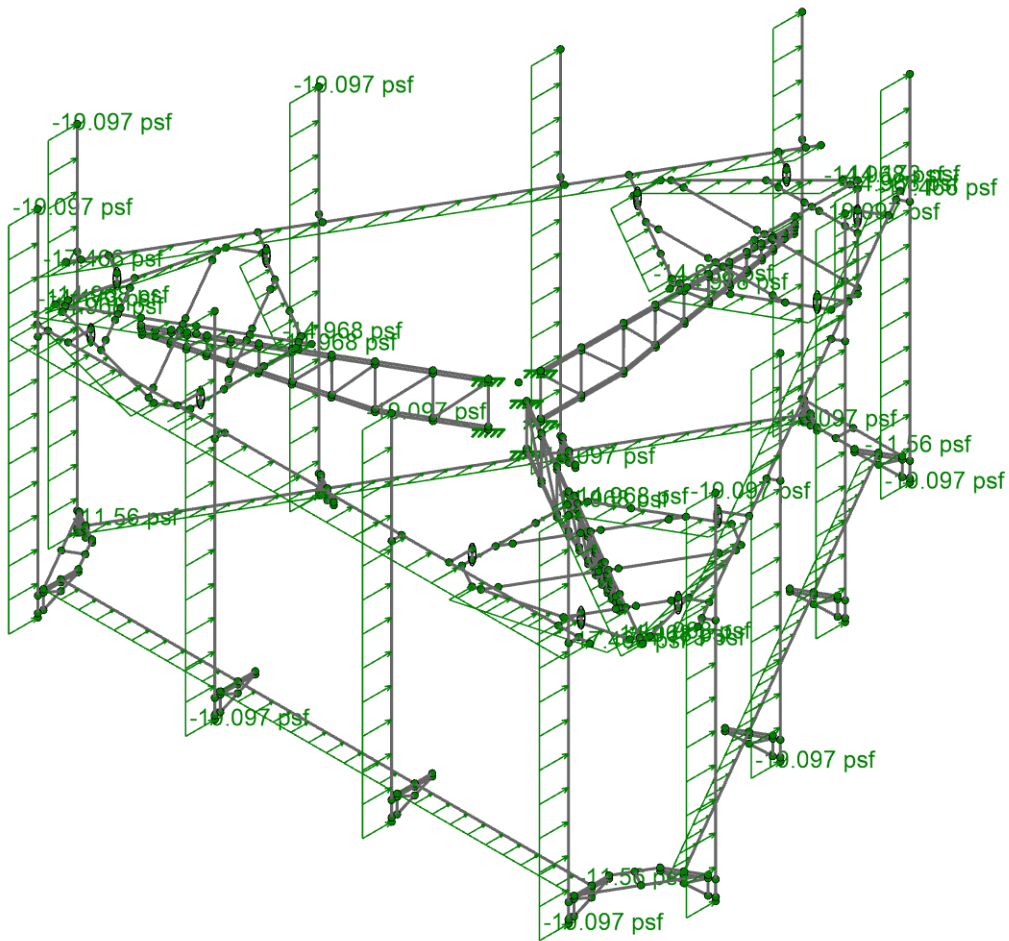


Loads: BLC 20, Ice Wind Load AZI 90
Envelope Only Solution

Infinigy Engineering, PLLC
LP
1039-Z0001-B

873633

Ice Wind Loading 90 - 18
Sep 03, 2021
873633_loaded.r3d



Loads: BLC 29, Distr. Ice Wind Load Z
Envelope Only Solution

Infinigy Engineering, PLLC

873633

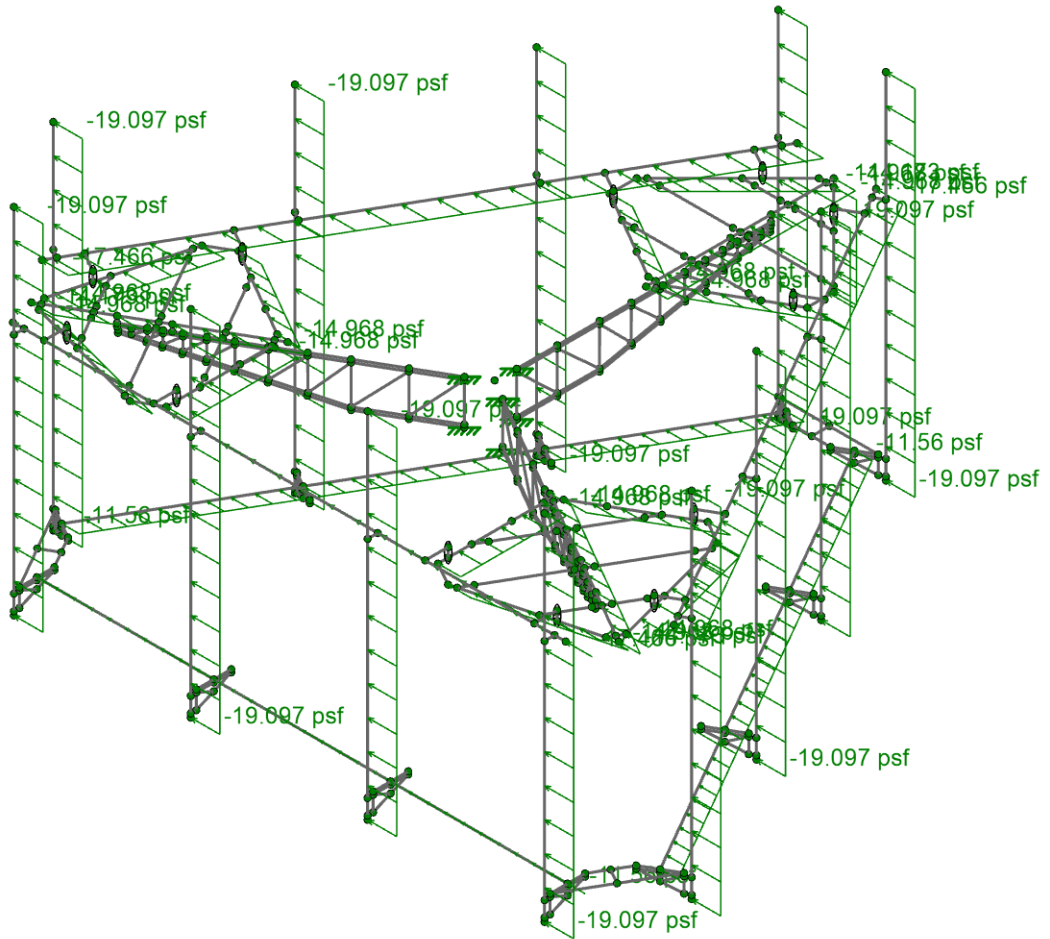
Dist. Ice Wind Loading 0 - 19

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 30, Distr. Ice Wind Load X
Envelope Only Solution

Infinigy Engineering, PLLC

873633

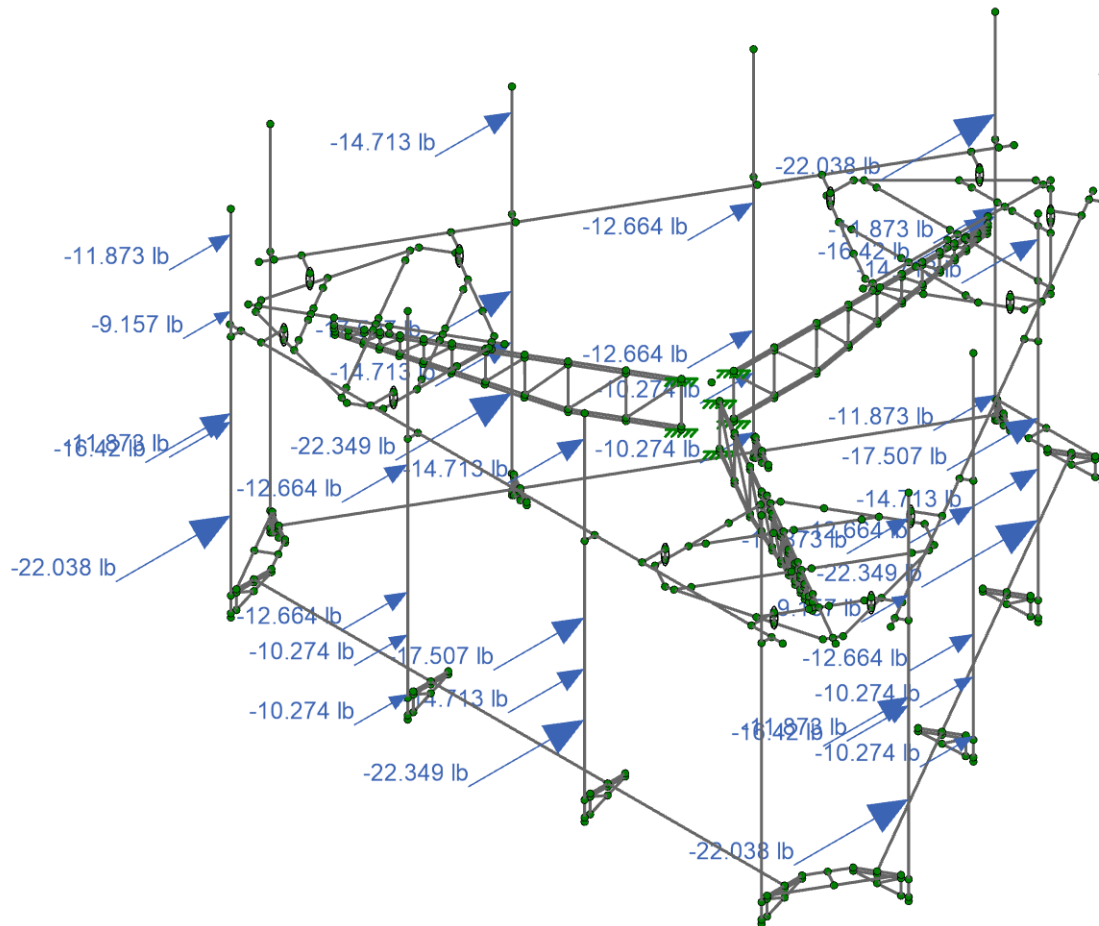
Dist. Ice Wind Loading 90 - 20

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 31, Seismic Load Z
Envelope Only Solution

Infinigy Engineering, PLLC

LP

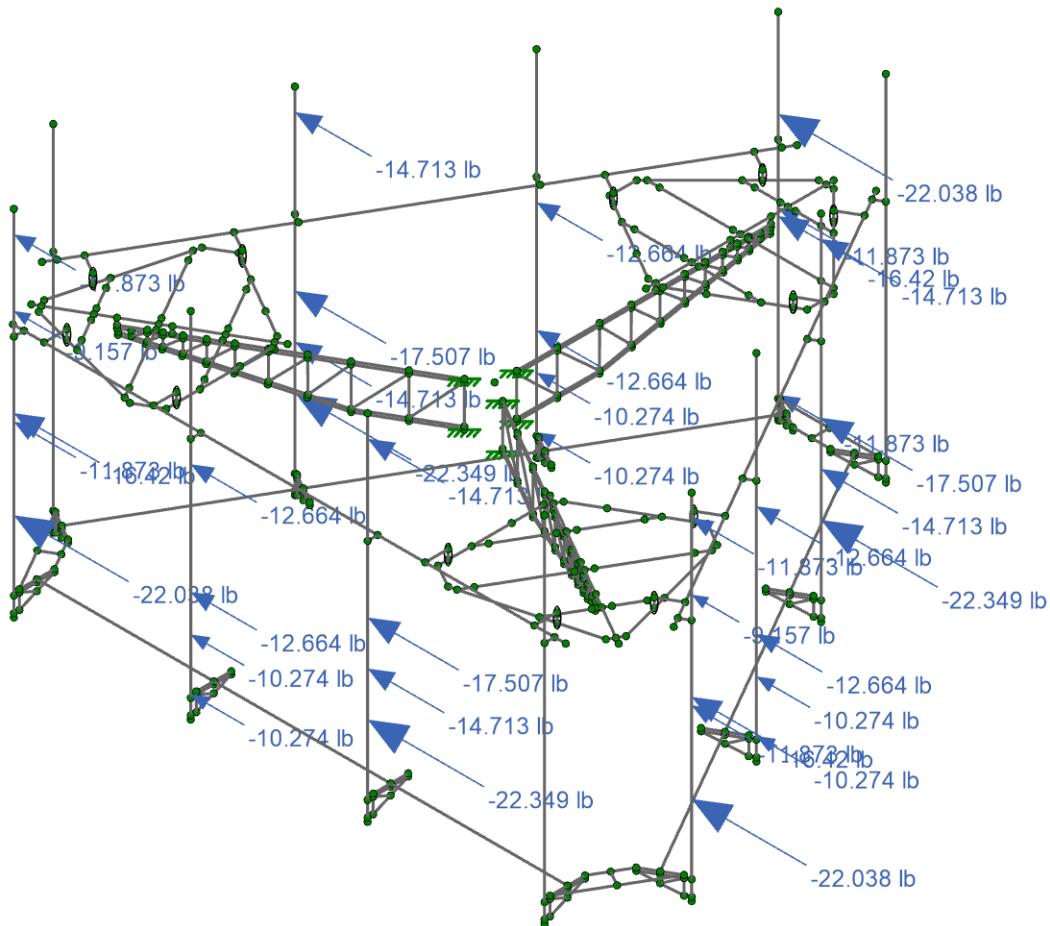
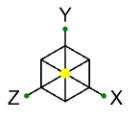
1039-Z0001-B

873633

Seismic Loading 0 - 21

Sep 03, 2021

873633_loaded.r3d



Loads: BLC 32, Seismic Load X
Envelope Only Solution

Infinigy Engineering, PLLC

873633

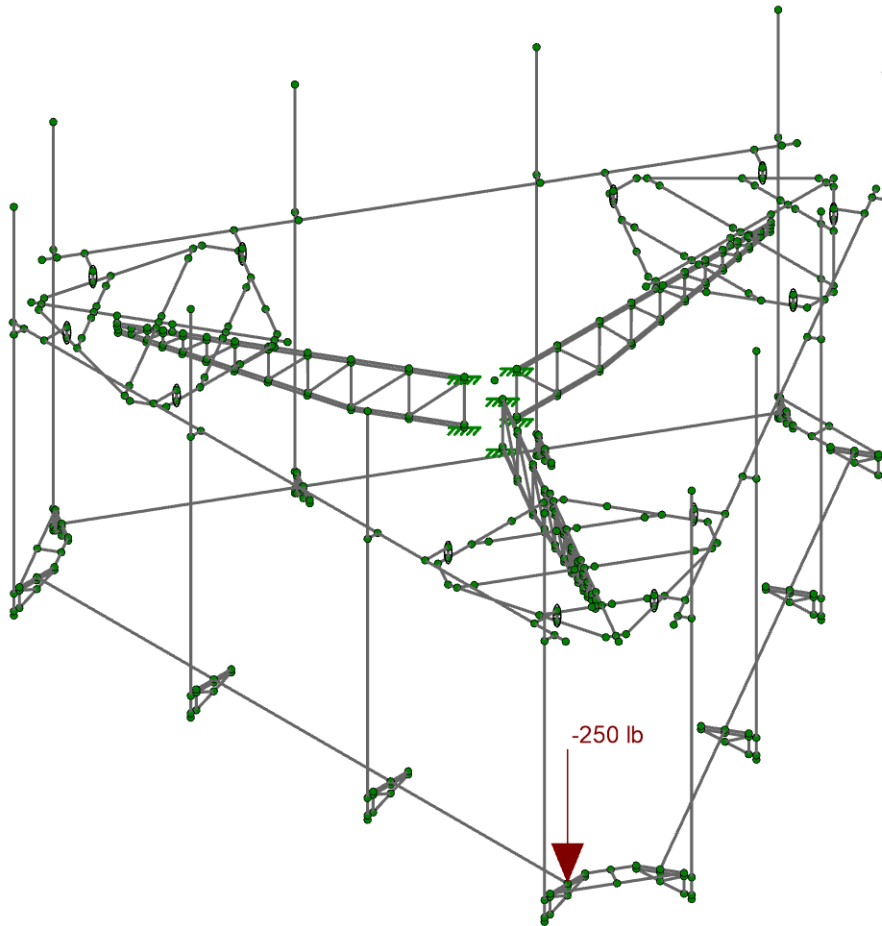
Seismic Loading 90 - 22

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 33, Service Live Loads
Envelope Only Solution

Infinigy Engineering, PLLC

873633

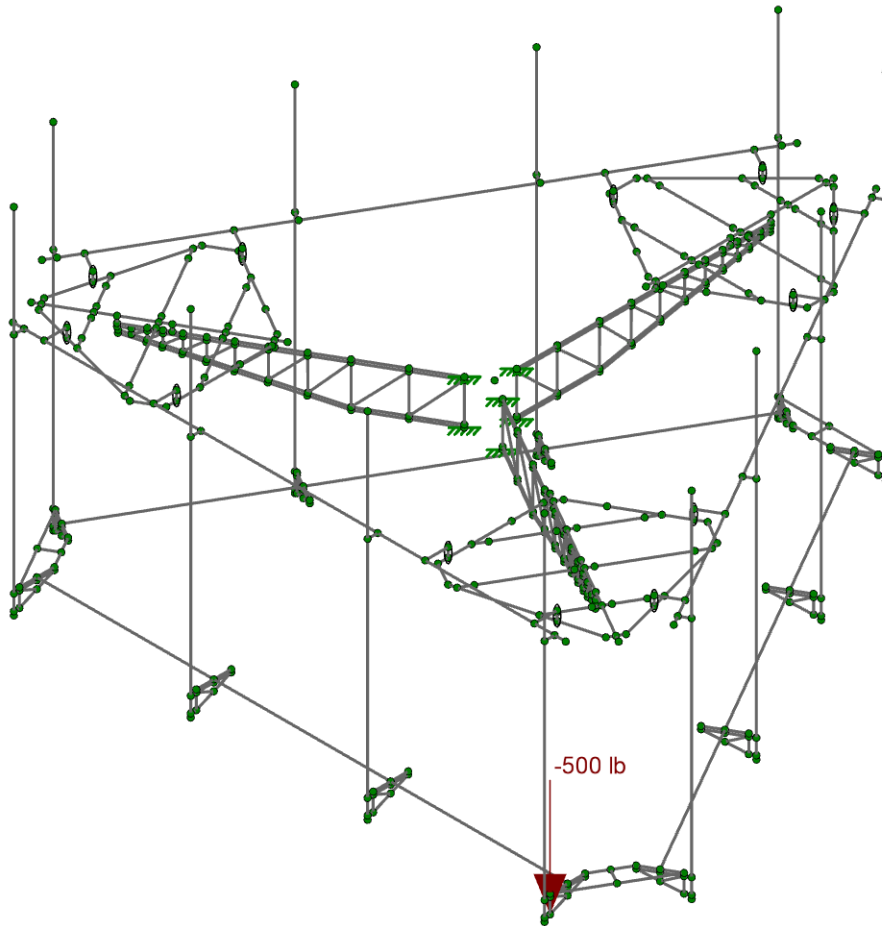
Service - 23

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 34, Maintenance Load 1
Envelope Only Solution

Infinigy Engineering, PLLC

873633

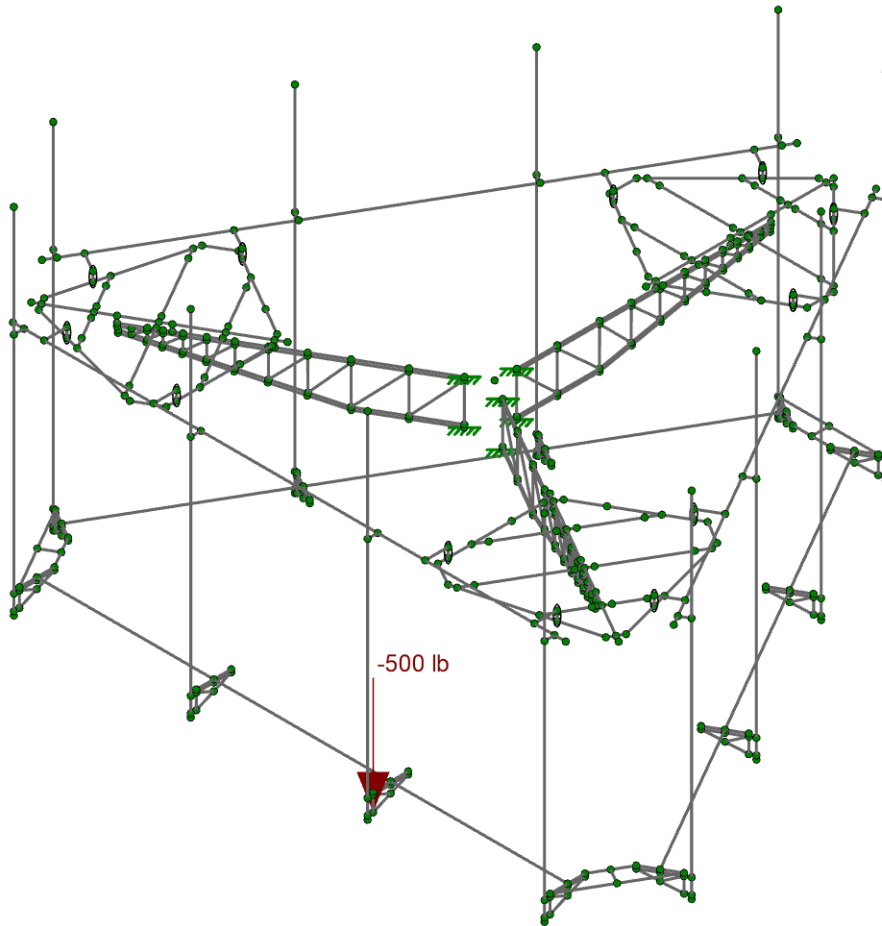
Maintenance Load 1 - 24

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 35, Maintenance Load 2
Envelope Only Solution

Infinigy Engineering, PLLC

873633

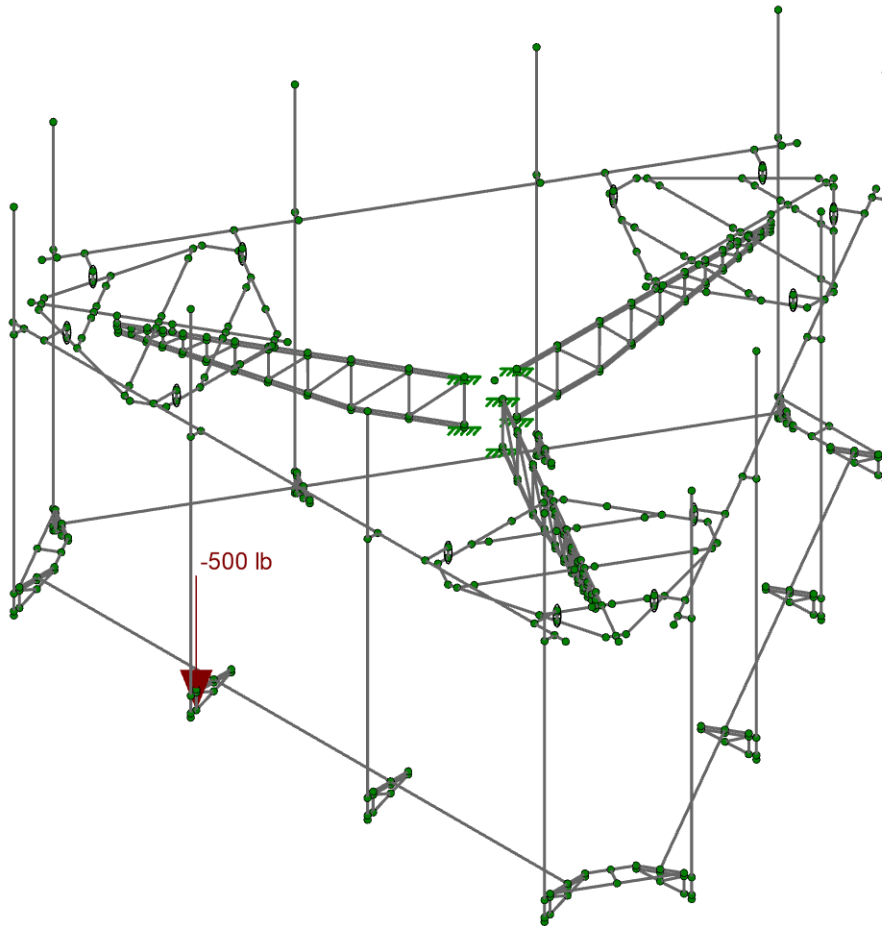
Maintenance Load 2 - 25

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d



Loads: BLC 36, Maintenance Load 3
Envelope Only Solution

Infinigy Engineering, PLLC

LP

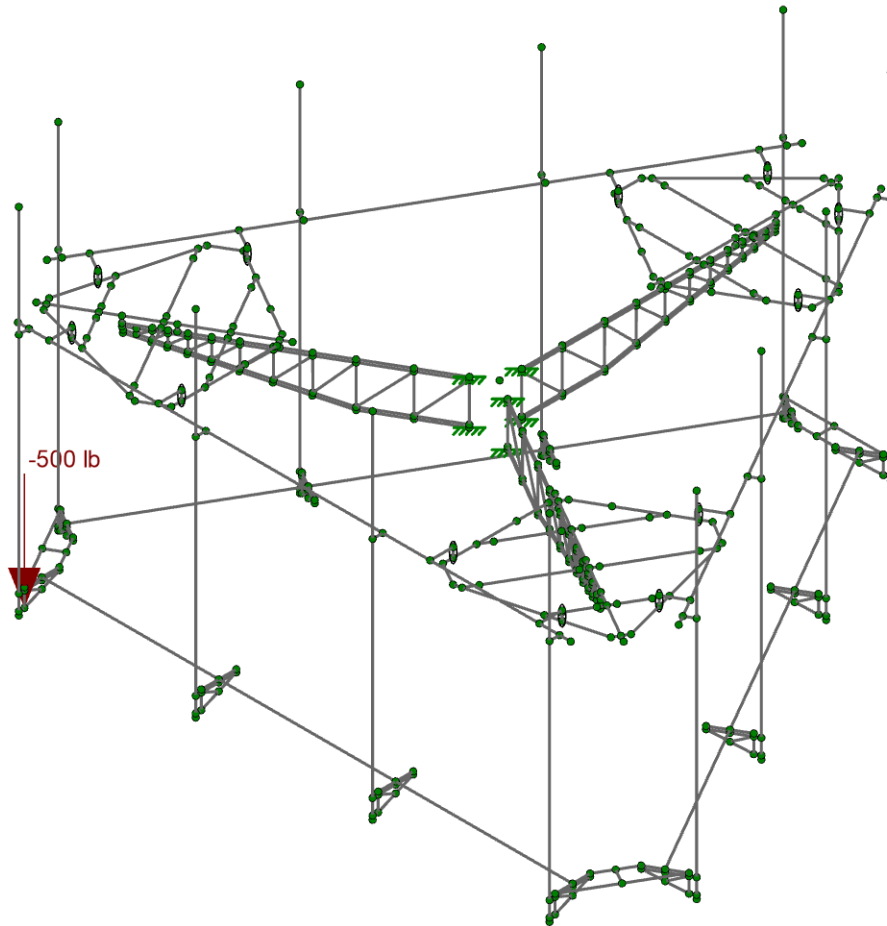
1039-Z0001-B

873633

Maintenance Load 3 - 26

Sep 03, 2021

873633_loaded.r3d



Loads: BLC 37, Maintenance Load 4
Envelope Only Solution

Infinigy Engineering, PLLC

873633

Maintenance Load 4 - 27

LP

Sep 03, 2021

1039-Z0001-B

873633_loaded.r3d

APPENDIX B
SOFTWARE INPUT CALCULATIONS

Program Inputs

PROJECT INFORMATION		
Client:	Crown Castle	
Carrier:	AT&T Mobility	
Engineer:	Leehou Proc	

SITE INFORMATION		
Risk Category:	II	
Exposure Category:	C	
Topo Factor Procedure:	Method 1, Category 1	
Site Class:	D - Stiff Soil (Assumed)	
Ground Elevation:	69.27	ft *Rev H

MOUNT INFORMATION		
Mount Type:	Platform	
Num Sectors:	3	
Centerline AGL:	129.00	ft
Tower Height AGL:	133.00	ft

TOPOGRAPHIC DATA		
Topo Feature:	N/A	
Slope Distance:	N/A	ft
Crest Distance:	N/A	ft
Crest Height:	N/A	ft

FACTORS		
Directionality Fact. (K_d):	0.950	
Ground Ele. Factor (K_e):	0.997	*Rev H Only
Rooftop Speed-Up (K_s):	1.000	*Rev H Only
Topographic Factor (K_{zt}):	1.000	
Gust Effect Factor (G_h):	1.000	

CODE STANDARDS		
Building Code:	2018 IBC	
TIA Standard:	TIA-222-H	
ASCE Standard:	ASCE 7-16	

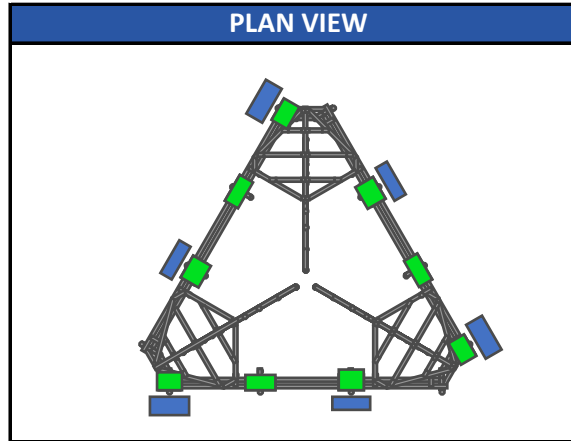
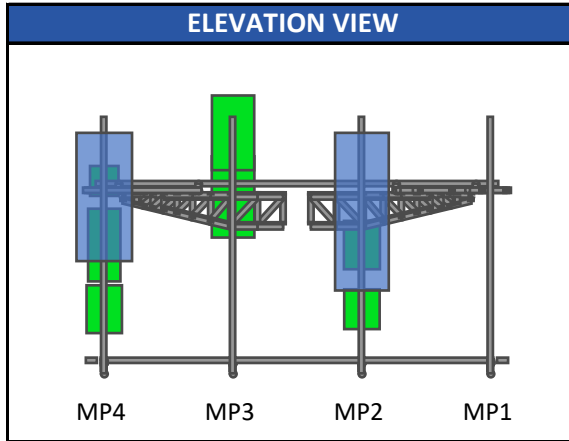
WIND AND ICE DATA		
Ultimate Wind (V_{ult}):	125	mph
Design Wind (V):	N/A	mph
Ice Wind (V_{ice}):	50	mph
Base Ice Thickness (t_i):	1	in
Flat Pressure:	101.230	psf
Round Pressure:	60.738	psf
Ice Wind Pressure:	9.718	psf

SEISMIC DATA		
Short-Period Accel. (S_s):	0.194	g
1-Second Accel. (S_1):	0.063	g
Short-Period Design (S_{DS}):	0.207	
1-Second Design (S_{D1}):	0.101	
Short-Period Coeff. (F_a):	1.600	
1-Second Coeff. (F_v):	2.400	
Amplification Factor (A_s):	3.000	
Response Mod. Coeff. (R):	2.000	



Infinigy Load Calculator V2.1.7

Program Inputs



Infinigy Load Calculator V2.1.7

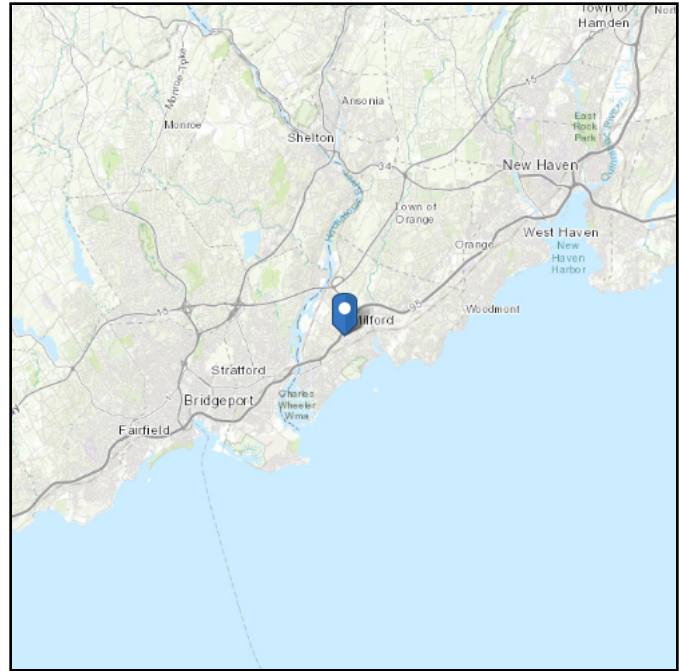
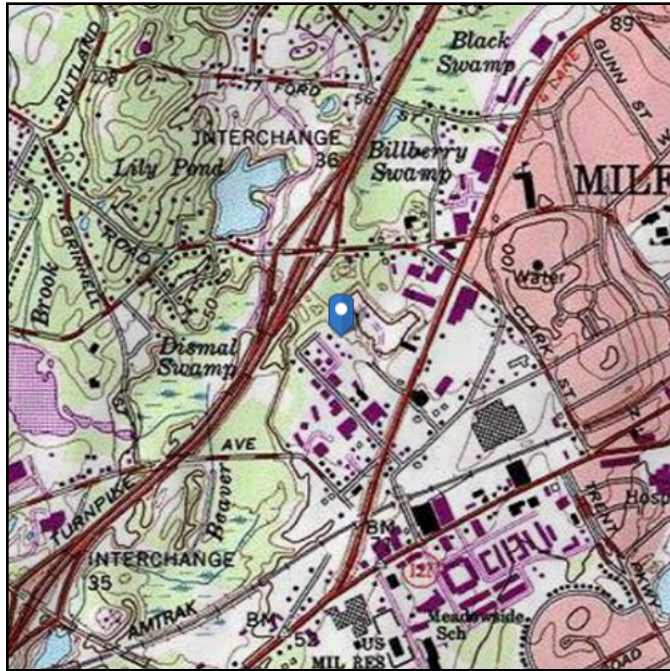
APPURTENANCE INFORMATION												
Appurtenance Name	Elevation	Qty.	K_a	q_z (psf)	EPA_N (ft ²)	EPA_T (ft ²)	Wind F_z (lbs)	Wind F_x (lbs)	Weight (lbs)	Seismic F (lbs)	Member (α sector)	
CCI ANTENNAS DMP65R-BU4E	133.0	3	0.90	50.94	7.95	3.74	364.49	171.47	76.50	23.75	MP4	
ERICSSON AIR 6419 B77G	133.0	3	0.90	50.94	3.67	1.65	168.19	75.78	66.20	20.55	MP3	
ERICSSON AIR 6449 B77D	133.0	3	0.90	50.94	3.64	1.72	166.88	78.86	81.60	25.33	MP3	
KATHREIN 80010964	133.0	3	0.90	50.94	8.58	2.96	393.37	135.71	94.80	29.43	MP2	
COMMSCOPE WCS-IMFQ-AMT	133.0	2	0.90	50.94	0.99	0.64	45.36	29.53	29.50	9.16	MP4	
ERICSSON TME-RRUS 32 B30	133.0	3	0.90	50.94	2.73	1.67	125.22	76.48	52.90	16.42	MP4	
ERICSSON RRUS 4449 B5/B12	133.0	3	0.90	50.94	1.97	1.41	90.20	64.56	71.00	22.04	MP4	
ERICSSON RRUS 4478 B14_CCIV2	133.0	3	0.90	50.94	2.02	1.25	92.67	57.12	56.40	17.51	MP2	
ERICSSON RRUS 8843 B2/B66A	133.0	3	0.90	50.94	1.64	1.35	75.14	62.05	72.00	22.35	MP2	

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 69.27 ft (NAVD 88)
Latitude: 41.220075
Longitude: -73.077378



Wind

Results:

Wind Speed:	125 Vmph per New Haven County Requirements
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	91 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Thu Sep 02 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

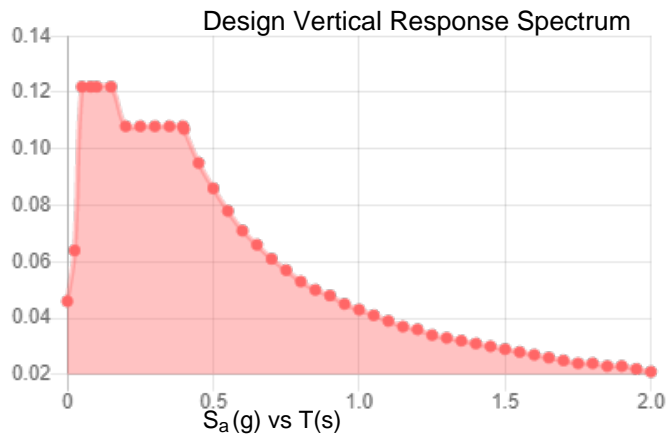
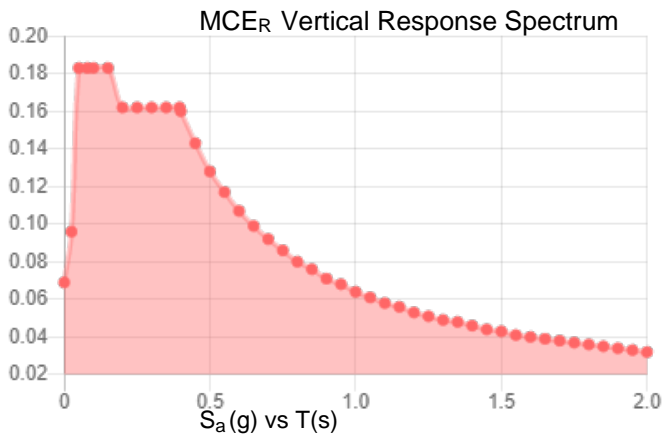
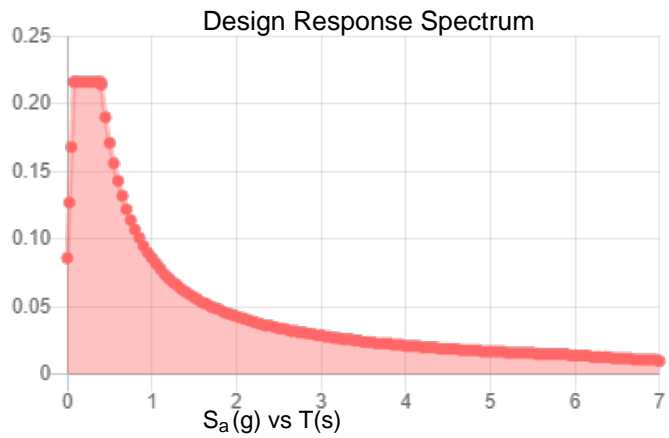
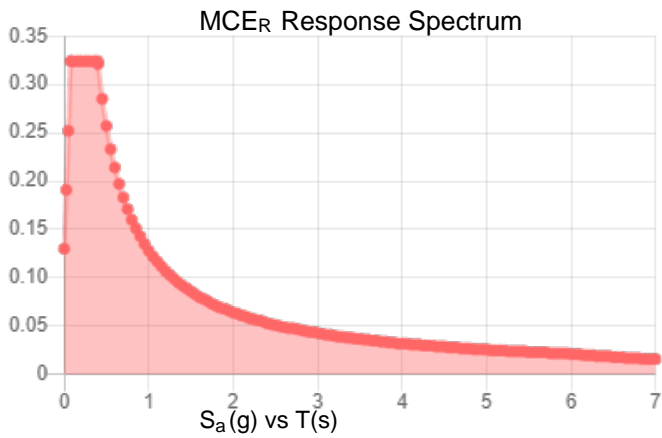
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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

Results:

S_s :	0.194 per County Requirements	S_{D1} :	0.086
S_1 :	0.063 per County Requirements	T_L :	6
F_a :	1.6	PGA :	0.114
F_v :	2.4	PGA _M :	0.179
S_{MS} :	0.324	F_{PGA} :	1.572
S_{M1} :	0.128	I_e :	1
S_{DS} :	0.216	C_v :	0.705

Seismic Design Category B



Data Accessed:

Thu Sep 02 2021

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Thu Sep 02 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

APPENDIX C
SOFTWARE ANALYSIS OUTPUT

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M31	N38	N29		Platform Bracing	Beam	None	Q345	Typical
2	M33	N39	N31		Platform Bracing	Beam	None	Q345	Typical
3	M34A	N35	N79		Platform Bracing	Beam	None	Q345	Typical
4	M45A	N50	N52	180	Angle Bracing	Beam	None	Q345	Typical
5	M50	N63	N69A		RIGID	None	None	RIGID	Typical
6	M51	N65	N70A		RIGID	None	None	RIGID	Typical
7	M52	N66	N71A		RIGID	None	None	RIGID	Typical
8	M53	N64A	N72A		RIGID	None	None	RIGID	Typical
9	M54	N74A	N75A	90	Standoffs	Beam	None	Q235-GB	Typical
10	M54A	N67A	N73B		RIGID	None	None	RIGID	Typical
11	M55	N68A	N74B		RIGID	None	None	RIGID	Typical
12	M56	N75	N77A		RIGID	None	None	RIGID	Typical
13	M57	N77	N69		RIGID	None	None	RIGID	Typical
14	M57A	N76A	N79B		RIGID	None	None	RIGID	Typical
15	M58	N27	N70		RIGID	None	None	RIGID	Typical
16	M59	N28	N71		RIGID	None	None	RIGID	Typical
17	M59A	N63	N83		RIGID	None	None	RIGID	Typical
18	M60	N70	N67		Platform Bracing	Beam	None	Q345	Typical
19	M60A	N65	N84		RIGID	None	None	RIGID	Typical
20	M61	N71	N68		Platform Bracing	Beam	None	Q345	Typical
21	M61A	N66	N85		RIGID	None	None	RIGID	Typical
22	M62	N69	N64		Platform Bracing	Beam	None	Q345	Typical
23	M62A	N80A	N86		RIGID	None	None	RIGID	Typical
24	M63	N64	N72		RIGID	None	None	RIGID	Typical
25	M63A	N81	N87		RIGID	None	None	RIGID	Typical
26	M64	N67	N73		RIGID	None	None	RIGID	Typical
27	M64A	N82	N88		RIGID	None	None	RIGID	Typical
28	M65	N68	N74		RIGID	None	None	RIGID	Typical
29	M65A	N75	N89		RIGID	None	None	RIGID	Typical
30	M66	N79A	N60		Connection Plates	Beam	None	Q345	Typical
31	M66A	N76A	N91		RIGID	None	None	RIGID	Typical
32	M67	N47	N78		RIGID	None	None	RIGID	Typical
33	M68	N78	N79A	90	Angle Bracing	Beam	None	Q345	Typical
34	M70	N49	N80		RIGID	None	None	RIGID	Typical
35	M73	N77A	N78A	180	Angle Bracing	Beam	None	Q345	Typical
36	M74	N89	N90	90	Angle Bracing	Beam	None	Q345	Typical
37	M74B	N80	N60	180	Angle Bracing	Beam	None	Q345	Typical
38	M74C	N52	N62		Connection Plates	Beam	None	Q345	Typical
39	M75	N91	N93	180	Angle Bracing	Beam	None	Q345	Typical
40	M75B	N52A	N62	90	Angle Bracing	Beam	None	Q345	Typical
41	M76	N79B	N94	90	Angle Bracing	Beam	None	Q345	Typical
42	M77	N60A	N61	90	Standoffs	Beam	None	Q235-GB	Typical
43	M78	N90	N93		Connection Plates	Beam	None	Q345	Typical
44	M79	N78A	N94		Connection Plates	Beam	None	Q345	Typical
45	M80	N70A	N67A		Platform Bracing	Beam	None	Q345	Typical
46	M81	N71A	N68A		Platform Bracing	Beam	None	Q345	Typical
47	M82	N69A	N64A		Platform Bracing	Beam	None	Q345	Typical
48	M83	N84	N81		Platform Bracing	Beam	None	Q345	Typical
49	M84	N85	N82		Platform Bracing	Beam	None	Q345	Typical
50	M85	N83	N80A		Platform Bracing	Beam	None	Q345	Typical
51	M94	N111	N109		RIGID	None	None	RIGID	Typical
52	M95	N109	N112		RIGID	None	None	RIGID	Typical
53	M96	N113	N110		RIGID	None	None	RIGID	Typical
54	M97	N110	N114		RIGID	None	None	RIGID	Typical
55	M99	N120	N126		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
56	M100	N122	N127		RIGID	None	None	RIGID	Typical
57	M101	N123	N128		RIGID	None	None	RIGID	Typical
58	M102	N121	N129		RIGID	None	None	RIGID	Typical
59	M103	N124	N130		RIGID	None	None	RIGID	Typical
60	M104	N125	N131		RIGID	None	None	RIGID	Typical
61	M105	N132	N134		RIGID	None	None	RIGID	Typical
62	M106	N133	N136		RIGID	None	None	RIGID	Typical
63	M108	N120	N140		RIGID	None	None	RIGID	Typical
64	M109	N122	N141		RIGID	None	None	RIGID	Typical
65	M110	N123	N142		RIGID	None	None	RIGID	Typical
66	M111	N137	N143		RIGID	None	None	RIGID	Typical
67	M112	N138	N144		RIGID	None	None	RIGID	Typical
68	M113	N139	N145		RIGID	None	None	RIGID	Typical
69	M114	N132	N146		RIGID	None	None	RIGID	Typical
70	M115	N133	N148		RIGID	None	None	RIGID	Typical
71	M116	N162	N149		RIGID	None	None	RIGID	Typical
72	M117	N149	N163		RIGID	None	None	RIGID	Typical
73	M118	N164	N152		RIGID	None	None	RIGID	Typical
74	M119	N152	N165		RIGID	None	None	RIGID	Typical
75	M122	N134	N135	180	Angle Bracing	Beam	None	Q345	Typical
76	M123	N146	N147	90	Angle Bracing	Beam	None	Q345	Typical
77	M124	N148	N150	180	Angle Bracing	Beam	None	Q345	Typical
78	M125	N136	N151	90	Angle Bracing	Beam	None	Q345	Typical
79	M126	N117	N118	90	Standoffs	Beam	None	Q235-GB	Typical
80	M127	N147	N150		Connection Plates	Beam	None	Q345	Typical
81	M127A	N154A	N152A		RIGID	None	None	RIGID	Typical
82	M128	N135	N151		Connection Plates	Beam	None	Q345	Typical
83	M128A	N152A	N155A		RIGID	None	None	RIGID	Typical
84	M129	N127	N124		Platform Bracing	Beam	None	Q345	Typical
85	M129A	N156A	N153A		RIGID	None	None	RIGID	Typical
86	M130	N128	N125		Platform Bracing	Beam	None	Q345	Typical
87	M130A	N153A	N157A		RIGID	None	None	RIGID	Typical
88	M131	N126	N121		Platform Bracing	Beam	None	Q345	Typical
89	M131A	N160A	N158A		RIGID	None	None	RIGID	Typical
90	M132	N141	N138		Platform Bracing	Beam	None	Q345	Typical
91	M132A	N158A	N161A		RIGID	None	None	RIGID	Typical
92	M133	N142	N139		Platform Bracing	Beam	None	Q345	Typical
93	M133A	N162A	N159A		RIGID	None	None	RIGID	Typical
94	M134	N140	N137		Platform Bracing	Beam	None	Q345	Typical
95	M134A	N159A	N163A		RIGID	None	None	RIGID	Typical
96	M136A	N168	N166		RIGID	None	None	RIGID	Typical
97	M137A	N166	N169		RIGID	None	None	RIGID	Typical
98	M138A	N170	N167		RIGID	None	None	RIGID	Typical
99	M139A	N167	N171		RIGID	None	None	RIGID	Typical
100	M140A	N174	N172A		RIGID	None	None	RIGID	Typical
101	M141A	N172A	N175		RIGID	None	None	RIGID	Typical
102	M142	N52C	N173A		RIGID	None	None	RIGID	Typical
103	M143	N173A	N177		RIGID	None	None	RIGID	Typical
104	M146A	N193	N192		Horizontals	Beam	None	Q235-GB	Typical
105	M177	N196A	N195		Horizontals	Beam	None	Q235-GB	Typical
106	M182	N205	N204		Horizontals	Beam	None	Q235-GB	Typical
107	M198	N218	N213		RIGID	None	None	RIGID	Typical
108	M199	N225	N219		RIGID	None	None	RIGID	Typical
109	M200	N226	N220		RIGID	None	None	RIGID	Typical
110	M201	N227	N221		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
111	M202	N228	N222		RIGID	None	None	RIGID	Typical
112	M203	N229	N215		RIGID	None	None	RIGID	Typical
113	M204	N230	N223		RIGID	None	None	RIGID	Typical
114	M205	N231	N224		RIGID	None	None	RIGID	Typical
115	M206	N247	N216		RIGID	None	None	RIGID	Typical
116	M207	N249	N248		RIGID	None	None	RIGID	Typical
117	M208	N240	N246		RIGID	None	None	RIGID	Typical
118	M209	N239	N245		RIGID	None	None	RIGID	Typical
119	M210	N238	N244		RIGID	None	None	RIGID	Typical
120	M211	N237	N243		RIGID	None	None	RIGID	Typical
121	M212	N235	N242		RIGID	None	None	RIGID	Typical
122	M213	N236	N233		RIGID	None	None	RIGID	Typical
123	M214	N234	N241		RIGID	None	None	RIGID	Typical
124	M215	N217	N232		RIGID	None	None	RIGID	Typical
125	M216	N222	N220	90	Standoff (Top Chord)	Beam	None	A992	Typical
126	M217	N220	N219	90	Standoff (Top Chord)	Beam	None	A992	Typical
127	M218	N219	N213	90	Standoff (Top Chord)	Beam	None	A992	Typical
128	M219	N237	N236	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
129	M220	N236	N234	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
130	M221	N234	N217	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
131	M222	N228	N226		Standoff Bracing 1	Beam	None	A992	Typical
132	M223	N226	N225		Standoff Bracing 1	Beam	None	A992	Typical
133	M224	N225	N218		Standoff Bracing 1	Beam	None	A992	Typical
134	M225	N243	N233		Standoff Bracing 1	Beam	None	A992	Typical
135	M226	N233	N241		Standoff Bracing 1	Beam	None	A992	Typical
136	M227	N241	N232		Standoff Bracing 1	Beam	None	A992	Typical
137	M228	N232	N218		Standoff Bracing 1	Beam	None	A992	Typical
138	M229	N248	N247		RIGID	None	None	RIGID	Typical
139	M230	N218	N241		Standoff Bracing 1	Beam	None	A992	Typical
140	M231	N241	N225		Standoff Bracing 1	Beam	None	A992	Typical
141	M232	N225	N233		Standoff Bracing 1	Beam	None	A992	Typical
142	M233	N233	N226	60	Standoff Bracing 2	Beam	None	A992	Typical
143	M234	N242	N226		Standoff Bracing 2	Beam	None	A992	Typical
144	M235	N242	N227	60	Standoff Bracing 2	Beam	None	A992	Typical
145	M236	N243	N227		Standoff Bracing 3	Beam	None	A992	Typical
146	M237	N243	N228	60	Standoff Bracing 3	Beam	None	A992	Typical
147	M238	N244	N228		Standoff Bracing 3	Beam	None	A992	Typical
148	M239	N244	N229	60	Standoff Bracing 4	Beam	None	A992	Typical
149	M240	N245	N229		Standoff Bracing 4	Beam	None	A992	Typical
150	M241	N245	N230		RIGID	None	None	RIGID	Typical
151	M242	N246	N231		RIGID	None	None	RIGID	Typical
152	M243	N258	N212		RIGID	None	None	RIGID	Typical
153	M244	N214	N49		RIGID	None	None	RIGID	Typical
154	M245	N217	N251	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
155	M246	N251	N255	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
156	M247	N232	N253		Standoff Bracing 1	Beam	None	A992	Typical
157	M248	N253	N257		Standoff Bracing 1	Beam	None	A992	Typical
158	M249	N218	N252		Standoff Bracing 1	Beam	None	A992	Typical
159	M250	N252	N256		Standoff Bracing 1	Beam	None	A992	Typical
160	M251	N232	N252		Standoff Bracing 1	Beam	None	A992	Typical
161	M252	N253	N252	60	Standoff Bracing 1	Beam	None	A992	Typical
162	M253	N253	N256		Standoff Bracing 1	Beam	None	A992	Typical
163	M254	N257	N256	60	Standoff Bracing 1	Beam	None	A992	Typical
164	M255	N213	N250	90	Standoff (Top Chord)	Beam	None	A992	Typical
165	M256	N250	N254	90	Standoff (Top Chord)	Beam	None	A992	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
166	M257	N252	N250	90	RIGID	None	None	RIGID	Typical
167	M258	N256	N254	90	RIGID	None	None	RIGID	Typical
168	M259	N255	N257	90	RIGID	None	None	RIGID	Typical
169	M260	N251	N253	90	RIGID	None	None	RIGID	Typical
170	M261	N249	N239	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
171	M262	N216	N223	90	Standoff (Top Chord)	Beam	None	A992	Typical
172	M263	N247	N230		Standoff Bracing 1	Beam	None	A992	Typical
173	M264	N248	N245		Standoff Bracing 1	Beam	None	A992	Typical
174	M265	N266	N261A		RIGID	None	None	RIGID	Typical
175	M265A	N223	N222	90	Standoff (Top Chord)	Beam	None	A992	Typical
176	M266	N273	N267		RIGID	None	None	RIGID	Typical
177	M266A	N230	N228		Standoff Bracing 1	Beam	None	A992	Typical
178	M267	N274	N268		RIGID	None	None	RIGID	Typical
179	M267A	N245	N243		Standoff Bracing 1	Beam	None	A992	Typical
180	M268	N275	N269		RIGID	None	None	RIGID	Typical
181	M268A	N239	N237	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
182	M269	N276	N270		RIGID	None	None	RIGID	Typical
183	M269A	N266A	N261		RIGID	None	None	RIGID	Typical
184	M270	N277	N263		RIGID	None	None	RIGID	Typical
185	M270A	N273A	N267A		RIGID	None	None	RIGID	Typical
186	M271	N278	N271		RIGID	None	None	RIGID	Typical
187	M271A	N274A	N268A		RIGID	None	None	RIGID	Typical
188	M272	N279	N272		RIGID	None	None	RIGID	Typical
189	M272A	N275A	N269A		RIGID	None	None	RIGID	Typical
190	M273	N295A	N264		RIGID	None	None	RIGID	Typical
191	M273A	N276A	N270A		RIGID	None	None	RIGID	Typical
192	M274	N297A	N296A		RIGID	None	None	RIGID	Typical
193	M274A	N277A	N263A		RIGID	None	None	RIGID	Typical
194	M275	N288	N294		RIGID	None	None	RIGID	Typical
195	M275A	N278A	N271A		RIGID	None	None	RIGID	Typical
196	M276	N287	N293		RIGID	None	None	RIGID	Typical
197	M276A	N279A	N272A		RIGID	None	None	RIGID	Typical
198	M277	N286	N292		RIGID	None	None	RIGID	Typical
199	M277A	N295	N264A		RIGID	None	None	RIGID	Typical
200	M278	N285	N291		RIGID	None	None	RIGID	Typical
201	M278A	N297	N296		RIGID	None	None	RIGID	Typical
202	M279	N283	N290		RIGID	None	None	RIGID	Typical
203	M279A	N288A	N294A		RIGID	None	None	RIGID	Typical
204	M280	N284	N281		RIGID	None	None	RIGID	Typical
205	M280A	N287A	N293A		RIGID	None	None	RIGID	Typical
206	M281	N282	N289		RIGID	None	None	RIGID	Typical
207	M281A	N286A	N292A		RIGID	None	None	RIGID	Typical
208	M282	N265	N280		RIGID	None	None	RIGID	Typical
209	M282A	N285A	N291A		RIGID	None	None	RIGID	Typical
210	M283	N270	N268	90	Standoff (Top Chord)	Beam	None	A992	Typical
211	M283A	N283A	N290A		RIGID	None	None	RIGID	Typical
212	M284	N268	N267	90	Standoff (Top Chord)	Beam	None	A992	Typical
213	M284A	N284A	N281A		RIGID	None	None	RIGID	Typical
214	M285	N267	N261A	90	Standoff (Top Chord)	Beam	None	A992	Typical
215	M285A	N282A	N289A		RIGID	None	None	RIGID	Typical
216	M286	N285	N284	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
217	M286A	N265A	N280A		RIGID	None	None	RIGID	Typical
218	M287	N284	N282	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
219	M287A	N270A	N268A	90	Standoff (Top Chord)	Beam	None	A992	Typical
220	M288	N282	N265	90	Standoff (Bottom Chord)	Beam	None	A992	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
221	M288A	N268A	N267A	90	Standoff (Top Chord)	Beam	None	A992	Typical
222	M289	N276	N274		Standoff Bracing 1	Beam	None	A992	Typical
223	M289A	N267A	N261	90	Standoff (Top Chord)	Beam	None	A992	Typical
224	M290	N274	N273		Standoff Bracing 1	Beam	None	A992	Typical
225	M290A	N285A	N284A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
226	M291	N273	N266		Standoff Bracing 1	Beam	None	A992	Typical
227	M291A	N284A	N282A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
228	M292	N291	N281		Standoff Bracing 1	Beam	None	A992	Typical
229	M292A	N282A	N265A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
230	M293	N281	N289		Standoff Bracing 1	Beam	None	A992	Typical
231	M293A	N276A	N274A		Standoff Bracing 1	Beam	None	A992	Typical
232	M294	N289	N280		Standoff Bracing 1	Beam	None	A992	Typical
233	M294A	N274A	N273A		Standoff Bracing 1	Beam	None	A992	Typical
234	M295	N280	N266		Standoff Bracing 1	Beam	None	A992	Typical
235	M295A	N273A	N266A		Standoff Bracing 1	Beam	None	A992	Typical
236	M296	N296A	N295A		RIGID	None	None	RIGID	Typical
237	M296A	N291A	N281A		Standoff Bracing 1	Beam	None	A992	Typical
238	M297	N266	N289		Standoff Bracing 1	Beam	None	A992	Typical
239	M297A	N281A	N289A		Standoff Bracing 1	Beam	None	A992	Typical
240	M298	N289	N273		Standoff Bracing 1	Beam	None	A992	Typical
241	M298A	N289A	N280A		Standoff Bracing 1	Beam	None	A992	Typical
242	M299	N273	N281		Standoff Bracing 1	Beam	None	A992	Typical
243	M299A	N280A	N266A		Standoff Bracing 1	Beam	None	A992	Typical
244	M300	N281	N274	120	Standoff Bracing 2	Beam	None	A992	Typical
245	M300A	N296	N295		RIGID	None	None	RIGID	Typical
246	M301	N290	N274		Standoff Bracing 2	Beam	None	A992	Typical
247	M301A	N266A	N289A		Standoff Bracing 1	Beam	None	A992	Typical
248	M302	N290	N275	120	Standoff Bracing 2	Beam	None	A992	Typical
249	M302A	N289A	N273A		Standoff Bracing 1	Beam	None	A992	Typical
250	M303	N291	N275		Standoff Bracing 3	Beam	None	A992	Typical
251	M303A	N273A	N281A		Standoff Bracing 1	Beam	None	A992	Typical
252	M304	N291	N276	120	Standoff Bracing 3	Beam	None	A992	Typical
253	M304A	N281A	N274A	180	Standoff Bracing 2	Beam	None	A992	Typical
254	M305	N292	N276		Standoff Bracing 3	Beam	None	A992	Typical
255	M305A	N290A	N274A		Standoff Bracing 2	Beam	None	A992	Typical
256	M306	N292	N277	120	Standoff Bracing 4	Beam	None	A992	Typical
257	M306A	N290A	N275A	180	Standoff Bracing 2	Beam	None	A992	Typical
258	M307	N291A	N275A		Standoff Bracing 3	Beam	None	A992	Typical
259	M307A	N293	N277		Standoff Bracing 4	Beam	None	A992	Typical
260	M308	N291A	N276A	180	Standoff Bracing 3	Beam	None	A992	Typical
261	M308A	N293	N278	60	RIGID	None	None	RIGID	Typical
262	M309	N292A	N276A		Standoff Bracing 3	Beam	None	A992	Typical
263	M310	N292A	N277A	180	Standoff Bracing 4	Beam	None	A992	Typical
264	M310A	N294	N279		RIGID	None	None	RIGID	Typical
265	M311	N293A	N277A		Standoff Bracing 4	Beam	None	A992	Typical
266	M311A	N306	N307		RIGID	None	None	RIGID	Typical
267	M312	N293A	N278A	120	RIGID	None	None	RIGID	Typical
268	M312A	N262	N76A		RIGID	None	None	RIGID	Typical
269	M313	N294A	N279A		RIGID	None	None	RIGID	Typical
270	M313A	N265	N299A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
271	M314	N306A	N260		RIGID	None	None	RIGID	Typical
272	M314A	N299A	N303	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
273	M315	N262A	N133		RIGID	None	None	RIGID	Typical
274	M315A	N280	N301A		Standoff Bracing 1	Beam	None	A992	Typical
275	M316	N265A	N299	90	Standoff (Bottom Chord)	Beam	None	A992	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
276	M316A	N301A	N305		Standoff Bracing 1	Beam	None	A992	Typical
277	M317	N299	N303A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
278	M317A	N266	N300		Standoff Bracing 1	Beam	None	A992	Typical
279	M318	N280A	N301		Standoff Bracing 1	Beam	None	A992	Typical
280	M318A	N300	N304		Standoff Bracing 1	Beam	None	A992	Typical
281	M319	N301	N305A		Standoff Bracing 1	Beam	None	A992	Typical
282	M319A	N280	N300		Standoff Bracing 1	Beam	None	A992	Typical
283	M320	N266A	N300A		Standoff Bracing 1	Beam	None	A992	Typical
284	M320A	N301A	N300	120	Standoff Bracing 1	Beam	None	A992	Typical
285	M321	N300A	N304A		Standoff Bracing 1	Beam	None	A992	Typical
286	M321A	N301A	N304		Standoff Bracing 1	Beam	None	A992	Typical
287	M322	N280A	N300A		Standoff Bracing 1	Beam	None	A992	Typical
288	M322A	N305	N304	120	Standoff Bracing 1	Beam	None	A992	Typical
289	M323	N261A	N298A	90	Standoff (Top Chord)	Beam	None	A992	Typical
290	M323A	N301	N300A	180	Standoff Bracing 1	Beam	None	A992	Typical
291	M324	N298A	N302	90	Standoff (Top Chord)	Beam	None	A992	Typical
292	M324A	N301	N304A		Standoff Bracing 1	Beam	None	A992	Typical
293	M325	N300	N298A	90	RIGID	None	None	RIGID	Typical
294	M325A	N305A	N304A	180	Standoff Bracing 1	Beam	None	A992	Typical
295	M326	N304	N302	90	RIGID	None	None	RIGID	Typical
296	M326A	N261	N298	90	Standoff (Top Chord)	Beam	None	A992	Typical
297	M327	N303	N305	90	RIGID	None	None	RIGID	Typical
298	M327A	N298	N302A	90	Standoff (Top Chord)	Beam	None	A992	Typical
299	M328	N299A	N301A	90	RIGID	None	None	RIGID	Typical
300	M328A	N300A	N298	90	RIGID	None	None	RIGID	Typical
301	M329	N297A	N287	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
302	M329A	N304A	N302A	90	RIGID	None	None	RIGID	Typical
303	M330	N264	N271	90	Standoff (Top Chord)	Beam	None	A992	Typical
304	M330A	N303A	N305A	90	RIGID	None	None	RIGID	Typical
305	M331	N295A	N278		Standoff Bracing 1	Beam	None	A992	Typical
306	M331A	N299	N301	90	RIGID	None	None	RIGID	Typical
307	M332	N296A	N293		Standoff Bracing 1	Beam	None	A992	Typical
308	M332A	N271	N270	90	Standoff (Top Chord)	Beam	None	A992	Typical
309	M332B	N297	N287A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
310	M333	N278	N276		Standoff Bracing 1	Beam	None	A992	Typical
311	M333A	N264A	N271A	90	Standoff (Top Chord)	Beam	None	A992	Typical
312	M334	N293	N291		Standoff Bracing 1	Beam	None	A992	Typical
313	M334A	N295	N278A		Standoff Bracing 1	Beam	None	A992	Typical
314	M335	N287	N285	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
315	M335A	N296	N293A		Standoff Bracing 1	Beam	None	A992	Typical
316	M336	N271A	N270A	90	Standoff (Top Chord)	Beam	None	A992	Typical
317	M337	N278A	N276A		Standoff Bracing 1	Beam	None	A992	Typical
318	M338	N293A	N291A		Standoff Bracing 1	Beam	None	A992	Typical
319	M339	N287A	N285A	90	Standoff (Bottom Chord)	Beam	None	A992	Typical
320	M340	N230	N246		RIGID	None	None	RIGID	Typical
321	M341	N231	N259		RIGID	None	None	RIGID	Typical
322	M342	N278	N294		RIGID	None	None	RIGID	Typical
323	M343	N279	N307B		RIGID	None	None	RIGID	Typical
324	M344	N278A	N294A		RIGID	None	None	RIGID	Typical
325	M345	N279A	N307C		RIGID	None	None	RIGID	Typical
326	M355	N353A	N359A		RIGID	None	None	RIGID	Typical
327	M356	N352B	N358A		RIGID	None	None	RIGID	Typical
328	M357	N353A	N363		Walking Platform Connections	Beam	None	Q345	Typical
329	M361	N352B	N367		Walking Platform Connections	Beam	None	Q345	Typical
330	M362	N349A	N378		Walking Platform Connections	Beam	None	Q345	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
331	M366	N348A	N382		Walking Platform Connections	Beam	None	Q345	Typical
332	M367	N264A	N346A		RIGID	None	None	RIGID	Typical
333	M367A	N353A	N354B		Walking Platform Connections	Beam	None	Q345	Typical
334	M368	N216	N345A		RIGID	None	None	RIGID	Typical
335	M369	N264	N344A		RIGID	None	None	RIGID	Typical
336	M371	N352B	N353B		Walking Platform Connections	Beam	None	Q345	Typical
337	M372	N359B	N354B		RIGID	None	None	RIGID	Typical
338	M376	N358B	N353B		RIGID	None	None	RIGID	Typical
339	M377	N363	N349A		Walking Platform Connections	Beam	None	Q345	Typical
340	M381	N367	N348A		Walking Platform Connections	Beam	None	Q345	Typical
341	M382	N363	N354B		Walking Platform Connections	Beam	None	Q345	Typical
342	M386	N367	N353B		Walking Platform Connections	Beam	None	Q345	Typical
343	M387	N378	N354B		Walking Platform Connections	Beam	None	Q345	Typical
344	M391	N382	N353B		Walking Platform Connections	Beam	None	Q345	Typical
345	M392	N353B	N373		RIGID	None	None	RIGID	Typical
346	M393	N382	N387		RIGID	None	None	RIGID	Typical
347	M394	N348A	N368		RIGID	None	None	RIGID	Typical
348	M395	N373	N368		RIGID	None	None	RIGID	Typical
349	M408	N354B	N374		RIGID	None	None	RIGID	Typical
350	M409	N349A	N369		RIGID	None	None	RIGID	Typical
351	M410	N378	N383		RIGID	None	None	RIGID	Typical
352	M411	N374	N369		RIGID	None	None	RIGID	Typical
353	M412	N383	N387	90	Walking Platform	Beam	None	Q345	Typical
354	M416	N394	N399		RIGID	None	None	RIGID	Typical
355	M417	N393	N398		RIGID	None	None	RIGID	Typical
356	M418	N394	N418		Walking Platform Connections	Beam	None	Q345	Typical
357	M422	N393	N422		Walking Platform Connections	Beam	None	Q345	Typical
358	M423	N404	N433		Walking Platform Connections	Beam	None	Q345	Typical
359	M427	N403	N437		Walking Platform Connections	Beam	None	Q345	Typical
360	M428	N394	N409	120	Walking Platform Connections	Beam	None	Q345	Typical
361	M432	N393	N408	120	Walking Platform Connections	Beam	None	Q345	Typical
362	M433	N414	N409		RIGID	None	None	RIGID	Typical
363	M437	N413	N408		RIGID	None	None	RIGID	Typical
364	M438	N418	N404		Walking Platform Connections	Beam	None	Q345	Typical
365	M442	N422	N403		Walking Platform Connections	Beam	None	Q345	Typical
366	M443	N418	N409		Walking Platform Connections	Beam	None	Q345	Typical
367	M447	N422	N408		Walking Platform Connections	Beam	None	Q345	Typical
368	M448	N433	N409		Walking Platform Connections	Beam	None	Q345	Typical
369	M452	N437	N408		Walking Platform Connections	Beam	None	Q345	Typical
370	M453	N408	N428		RIGID	None	None	RIGID	Typical
371	M454	N437	N442		RIGID	None	None	RIGID	Typical
372	M455	N403	N423		RIGID	None	None	RIGID	Typical
373	M456	N428	N423		RIGID	None	None	RIGID	Typical
374	M469	N409	N429		RIGID	None	None	RIGID	Typical
375	M470	N404	N424		RIGID	None	None	RIGID	Typical
376	M471	N433	N438		RIGID	None	None	RIGID	Typical
377	M472	N429	N424		RIGID	None	None	RIGID	Typical
378	M473	N438	N442	90	Walking Platform	Beam	None	Q345	Typical
379	M477	N439A	N444		RIGID	None	None	RIGID	Typical
380	M478	N438A	N443		RIGID	None	None	RIGID	Typical
381	M479	N439A	N463		Walking Platform Connections	Beam	None	Q345	Typical
382	M483	N438A	N467		Walking Platform Connections	Beam	None	Q345	Typical
383	M484	N449	N478		Walking Platform Connections	Beam	None	Q345	Typical
384	M488	N448	N482		Walking Platform Connections	Beam	None	Q345	Typical
385	M489	N439A	N454	60	Walking Platform Connections	Beam	None	Q345	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
386	M493	N438A	N453	60	Walking Platform Connections	Beam	None	Q345	Typical
387	M494	N459	N454		RIGID	None	None	RIGID	Typical
388	M498	N458	N453		RIGID	None	None	RIGID	Typical
389	M499	N463	N449		Walking Platform Connections	Beam	None	Q345	Typical
390	M503	N467	N448		Walking Platform Connections	Beam	None	Q345	Typical
391	M504	N463	N454		Walking Platform Connections	Beam	None	Q345	Typical
392	M505	N460A	N457		RIGID	None	None	RIGID	Typical
393	M506A	N458A	N456		RIGID	None	None	RIGID	Typical
394	M507A	N464A	N466A		RIGID	None	None	RIGID	Typical
395	M508	N467	N453		Walking Platform Connections	Beam	None	Q345	Typical
396	M508A	N463A	N465		RIGID	None	None	RIGID	Typical
397	M508B	N459B	N465C		RIGID	None	None	RIGID	Typical
398	M509	N478	N454		Walking Platform Connections	Beam	None	Q345	Typical
399	M509A	N463A	N473A		Walking Platform Connections	Beam	None	Q345	Typical
400	M510A	N464A	N474A		Walking Platform Connections	Beam	None	Q345	Typical
401	M511	N467A	N479A		Walking Platform Connections	Beam	None	Q345	Typical
402	M511A	N462	N470		RIGID	None	None	RIGID	Typical
403	M512	N463B	N471A		RIGID	None	None	RIGID	Typical
404	M512A	N468A	N480		Walking Platform Connections	Beam	None	Q345	Typical
405	M513	N482	N453		Walking Platform Connections	Beam	None	Q345	Typical
406	M513A	N463A	N469A	120	Walking Platform Connections	Beam	None	Q345	Typical
407	M514	N453	N473		RIGID	None	None	RIGID	Typical
408	M514A	N464A	N470A	120	Walking Platform Connections	Beam	None	Q345	Typical
409	M514C	N466B	N464C		RIGID	None	None	RIGID	Typical
410	M514D	N468C	N469B		RIGID	None	None	RIGID	Typical
411	M515	N482	N487		RIGID	None	None	RIGID	Typical
412	M515A	N471	N469A		RIGID	None	None	RIGID	Typical
413	M515B	N466	N467C		RIGID	None	None	RIGID	Typical
414	M515C	N472	N473B		RIGID	None	None	RIGID	Typical
415	M516	N448	N468		RIGID	None	None	RIGID	Typical
416	M516A	N472A	N470A		RIGID	None	None	RIGID	Typical
417	M516B	N467B	N468B		RIGID	None	None	RIGID	Typical
418	M516C	N470B	N471B		RIGID	None	None	RIGID	Typical
419	M517	N473	N468		RIGID	None	None	RIGID	Typical
420	M517A	N473A	N467A		Walking Platform Connections	Beam	None	Q345	Typical
421	M518A	N474A	N468A		Walking Platform Connections	Beam	None	Q345	Typical
422	M519A	N473A	N469A		Walking Platform Connections	Beam	None	Q345	Typical
423	M520A	N474A	N470A		Walking Platform Connections	Beam	None	Q345	Typical
424	M521A	N479A	N469A		Walking Platform Connections	Beam	None	Q345	Typical
425	M522	N480	N470A		Walking Platform Connections	Beam	None	Q345	Typical
426	M523	N478A	N476		RIGID	None	None	RIGID	Typical
427	M524	N468A	N476		RIGID	None	None	RIGID	Typical
428	M525	N480	N482A		RIGID	None	None	RIGID	Typical
429	M526A	N470A	N478A		RIGID	None	None	RIGID	Typical
430	M527A	N469A	N477A		RIGID	None	None	RIGID	Typical
431	M528A	N467A	N475A		RIGID	None	None	RIGID	Typical
432	M529A	N479A	N481A		RIGID	None	None	RIGID	Typical
433	M530	N454	N474		RIGID	None	None	RIGID	Typical
434	M530A	N477A	N475A		RIGID	None	None	RIGID	Typical
435	M531	N449	N469		RIGID	None	None	RIGID	Typical
436	M532	N478	N483		RIGID	None	None	RIGID	Typical
437	M533	N474	N469		RIGID	None	None	RIGID	Typical
438	M534	N483	N487	90	Walking Platform	Beam	None	Q345	Typical
439	M535	N473	N429	90	Walking Platform Bracing	Beam	None	Q345	Typical
440	M536	N428	N374	90	Walking Platform Bracing	Beam	None	Q345	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
441	M537	N474	N373	180	Walking Platform Bracing	Beam	None	Q345	Typical
442	M538	N468	N424	180	Walking Platform Bracing	Beam	None	Q345	Typical
443	M539	N423	N369	180	Walking Platform Bracing	Beam	None	Q345	Typical
444	M540	N469	N368	90	Walking Platform Bracing	Beam	None	Q345	Typical
445	MP1	N330	N201		Mount Pipes	Beam	None	Q235-GB	Typical
446	MP2	N457A	N461		Mount Pipes	Beam	None	Q235-GB	Typical
447	MP3	N462A	N459A		Mount Pipes	Beam	None	Q235-GB	Typical
448	MP4	N200A	N329		Mount Pipes	Beam	None	Q235-GB	Typical
449	MP5	N192A	N326		Mount Pipes	Beam	None	Q235-GB	Typical
450	MP8	N325	N191		Mount Pipes	Beam	None	Q235-GB	Typical
451	MP9	N324	N173		Mount Pipes	Beam	None	Q235-GB	Typical
452	MP12	N172	N323		Mount Pipes	Beam	None	Q235-GB	Typical
453	R3	N77	N35		RIGID	None	None	RIGID	Typical
454	R4	N27	N38		RIGID	None	None	RIGID	Typical
455	R5	N28	N39		RIGID	None	None	RIGID	Typical
456	R6	N79	N41		RIGID	None	None	RIGID	Typical
457	R7	N29	N41A		RIGID	None	None	RIGID	Typical
458	R8	N31	N42		RIGID	None	None	RIGID	Typical
459	R9	N47	N50		RIGID	None	None	RIGID	Typical
460	R10	N49	N52A		RIGID	None	None	RIGID	Typical
461	M461	N455	N452		Walking Platform Connections	Beam	None	Q345	Typical
462	M462	N417	N419		RIGID	None	None	RIGID	Typical
463	M463	N439	N446		Walking Platform Connections	Beam	None	Q345	Typical
464	M464	N452	N464		Walking Platform Connections	Beam	None	Q345	Typical
465	MP11	N460	N479		Mount Pipes	Beam	None	Q235-GB	Typical
466	M466	N427	N421		RIGID	None	None	RIGID	Typical
467	M467	N440	N436		RIGID	None	None	RIGID	Typical
468	M468	N477	N421		Walking Platform Connections	Beam	None	Q345	Typical
469	M474	N441	N439		Walking Platform Connections	Beam	None	Q345	Typical
470	M475	N417	N436	120	Walking Platform Connections	Beam	None	Q345	Typical
471	M476	N425	N447		RIGID	None	None	RIGID	Typical
472	M480	N417	N441		Walking Platform Connections	Beam	None	Q345	Typical
473	M481	N441	N436		Walking Platform Connections	Beam	None	Q345	Typical
474	M482	N446	N436		Walking Platform Connections	Beam	None	Q345	Typical
475	M485	N436	N431		RIGID	None	None	RIGID	Typical
476	M486	N439	N445		RIGID	None	None	RIGID	Typical
477	M487	N446	N432		RIGID	None	None	RIGID	Typical
478	M490	N431	N445		RIGID	None	None	RIGID	Typical
479	MP10	N450	N420		Mount Pipes	Beam	None	Q235-GB	Typical
480	M492	N475	N435		RIGID	None	None	RIGID	Typical
481	M495	N452	N421		Walking Platform Connections	Beam	None	Q345	Typical
482	M496	N421	N475		RIGID	None	None	RIGID	Typical
483	M497	N434	N426		RIGID	None	None	RIGID	Typical
484	M500	N455	N451		RIGID	None	None	RIGID	Typical
485	M501	N464	N477		Walking Platform Connections	Beam	None	Q345	Typical
486	M502	N455	N421	120	Walking Platform Connections	Beam	None	Q345	Typical
487	M506	N464	N435		RIGID	None	None	RIGID	Typical
488	M507	N477	N430		RIGID	None	None	RIGID	Typical
489	M510	N506	N505		Walking Platform Connections	Beam	None	Q345	Typical
490	M518	N481	N484		RIGID	None	None	RIGID	Typical
491	M519	N497	N501		Walking Platform Connections	Beam	None	Q345	Typical
492	M520	N505	N508		Walking Platform Connections	Beam	None	Q345	Typical
493	MP7	N507	N511		Mount Pipes	Beam	None	Q235-GB	Typical
494	M526	N490	N486		RIGID	None	None	RIGID	Typical
495	M527	N498	N496		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
496	M528	N510	N486		Walking Platform Connections	Beam	None	Q345	Typical
497	M529	N499	N497		Walking Platform Connections	Beam	None	Q345	Typical
498	M541	N481	N496	120	Walking Platform Connections	Beam	None	Q345	Typical
499	M542	N488	N502		RIGID	None	None	RIGID	Typical
500	M543	N481	N499		Walking Platform Connections	Beam	None	Q345	Typical
501	M544	N499	N496		Walking Platform Connections	Beam	None	Q345	Typical
502	M545	N501	N496		Walking Platform Connections	Beam	None	Q345	Typical
503	M546	N496	N492		RIGID	None	None	RIGID	Typical
504	M547	N497	N500		RIGID	None	None	RIGID	Typical
505	M548	N501	N493		RIGID	None	None	RIGID	Typical
506	M549	N492	N500		RIGID	None	None	RIGID	Typical
507	MP6	N503	N485		Mount Pipes	Beam	None	Q235-GB	Typical
508	M551	N509	N495		RIGID	None	None	RIGID	Typical
509	M552	N505	N486		Walking Platform Connections	Beam	None	Q345	Typical
510	M553	N486	N509		RIGID	None	None	RIGID	Typical
511	M554	N494	N489		RIGID	None	None	RIGID	Typical
512	M555	N506	N504		RIGID	None	None	RIGID	Typical
513	M556	N508	N510		Walking Platform Connections	Beam	None	Q345	Typical
514	M557	N506	N486	120	Walking Platform Connections	Beam	None	Q345	Typical
515	M558	N508	N495		RIGID	None	None	RIGID	Typical
516	M559	N510	N491		RIGID	None	None	RIGID	Typical

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁶ F ⁻¹]	Density [k/ft ³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
7	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
8	Q235-GB	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2
9	Q345	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	Mount Pipes	PIPE 2.0	Beam	None	Q235-GB	Typical	1.02	0.627	0.627	1.25
2	Horizontals	PIPE 2.5	Beam	None	Q235-GB	Typical	1.61	1.45	1.45	2.89
3	Angle Bracing	L3X3X6	Beam	None	Q345	Typical	2.11	1.75	1.75	0.101
4	Walking Platform Bracing	L2x2x2	Beam	None	Q345	Typical	0.491	0.189	0.189	0.003
5	Standoffs	HSS4X3X4	Beam	None	Q235-GB	Typical	2.91	3.91	6.15	7.96
6	Walking Platform	12X1.5	Beam	None	Q345	Typical	1.114	0.134	18.399	0.002
7	Standoff (Bottom Chord)	3/8" x 4"	Beam	None	A992	Typical	1.5	0.018	2	0.066
8	Connection Plates	3/8" x 3"	Beam	None	Q345	Typical	1.125	0.013	0.844	0.049
9	Platform Bracing	3/8" x 2 3/8"	Beam	None	Q345	Typical	0.891	0.01	0.419	0.038
10	Standoff Bracing 1	3/8" x 1"	Beam	None	A992	Typical	0.375	0.004	0.031	0.013
11	Walking Platform Connections	3/8" x 1"	Beam	None	Q345	Typical	0.375	0.004	0.031	0.013
12	Standoff (Top Chord)	1/2" x 4"	Beam	None	A992	Typical	2	0.042	2.667	0.154
13	Standoff Bracing 2	3/8" x 7/8"	Beam	None	A992	Typical	0.328	0.004	0.021	0.011
14	Standoff Bracing 3	3/8" x 3/4"	Beam	None	A992	Typical	0.281	0.003	0.013	0.009
15	Standoff Bracing 4	3/8" x 5/8"	Beam	None	A992	Typical	0.234	0.003	0.008	0.007

Node Coordinates

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
1	N74A	-79.70638	1.5	46.0185	
2	N75A	-35.597974	1.5	20.5525	
3	N77	-68.935189	1.5	39.79975	
4	N79	-73.435189	1.5	32.005522	
5	N27	-57.763462	1.5	33.34975	
6	N28	-46.254752	1.5	26.705194	
7	N29	-68.716962	1.5	14.377732	
8	N31	-54.047214	1.5	13.322481	
9	N35	-69.935189	1.5	38.067699	
10	N38	-58.763462	1.5	31.617699	
11	N39	-47.304214	1.5	25.001699	
12	N41	-75.142289	1.5	29.048738	
13	N41A	-70.421962	1.5	11.424585	
14	N42	-55.754319	1.5	10.365688	
15	N47	-77.95416	1.5	45.006855	
16	N49	-37.85423	1.5	21.85515	
17	N50	-78.95416	1.5	43.274804	
18	N52	-69.90428	1.5	9.492815	
19	N52A	-38.85423	1.5	20.123099	
20	N64	-64.435189	1.5	47.593979	
21	N67	-46.809962	1.5	52.321769	
22	N68	-38.561214	1.5	40.14502	
23	N69	-67.935189	1.5	41.531801	
24	N70	-56.763462	1.5	35.081801	
25	N71	-45.304214	1.5	28.465801	
26	N72	-62.728089	1.5	50.550763	
27	N73	-45.104962	1.5	55.274915	
28	N74	-36.854109	1.5	43.101812	
29	N78	-76.95416	1.5	46.738906	
30	N79A	-43.173159	1.5	55.792475	
31	N80	-36.85423	1.5	23.587201	
32	N60	-36.854109	1.5	52.216811	
33	N62	-63.648139	1.5	5.808189	
34	N52C	-66.508887	1.5	49.53832	
35	N60A	0	1.5	-92.036907	
36	N61	0	1.5	-41.104907	
37	N63	0	1.5	-79.599407	
38	N64A	9.000058	1.5	-79.599407	
39	N65	0	1.5	-66.699407	
40	N66	0	1.5	-53.467407	
41	N67A	21.907058	1.5	-66.699407	
42	N68A	15.486058	1.5	-53.467407	
43	N69A	2.000058	1.5	-79.599407	
44	N70A	2.000058	1.5	-66.699407	
45	N71A	2.000058	1.5	-53.467407	
46	N72A	12.414258	1.5	-79.599407	
47	N73B	25.317058	1.5	-66.699407	
48	N74B	18.900268	1.5	-53.467407	
49	N75	0	1.5	-90.013617	
50	N76A	0	1.5	-43.710207	
51	N77A	2.000058	1.5	-90.013617	
52	N78A	26.731179	1.5	-65.285197	
53	N79B	2.000058	1.5	-43.710207	
54	N80A	-8.999942	1.5	-79.599407	
55	N81	-21.906942	1.5	-66.699407	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
56	N82	-15.485942	1.5	-53.467407	
57	N83	-1.999942	1.5	-79.599407	
58	N84	-1.999942	1.5	-66.699407	
59	N85	-1.999942	1.5	-53.467407	
60	N86	-12.414142	1.5	-79.599407	
61	N87	-25.316942	1.5	-66.699407	
62	N88	-18.900152	1.5	-53.467407	
63	N89	-1.999942	1.5	-90.013617	
64	N90	-26.731063	1.5	-65.285197	
65	N91	-1.999942	1.5	-43.710207	
66	N93	-26.793972	1.5	-58.024907	
67	N94	26.794088	1.5	-58.024907	
68	N109	24.391199	3.999	-56.637613	
69	N110	9.647058	3.999	-82.367453	
70	N111	24.391199	1.5	-56.637613	
71	N112	29.804176	3.999	-59.762797	
72	N113	9.647057	1.5	-82.367452	
73	N114	14.976793	3.999	-85.444577	
74	N117	79.706094	1.5	46.018538	
75	N118	35.597689	1.5	20.552538	
76	N120	68.934904	1.5	39.799788	
77	N121	64.434904	1.5	47.594017	
78	N122	57.763176	1.5	33.349788	
79	N123	46.303928	1.5	26.733788	
80	N124	46.809676	1.5	52.321807	
81	N125	38.560928	1.5	40.145058	
82	N126	67.934904	1.5	41.531839	
83	N127	56.763176	1.5	35.081839	
84	N128	45.303928	1.5	28.465839	
85	N129	62.727804	1.5	50.550801	
86	N130	45.104676	1.5	55.274953	
87	N131	36.853823	1.5	43.10185	
88	N132	77.953874	1.5	45.006893	
89	N133	37.853945	1.5	21.855188	
90	N134	76.953874	1.5	46.738944	
91	N135	43.172874	1.5	55.792513	
92	N136	36.853945	1.5	23.587239	
93	N137	73.434904	1.5	32.00556	
94	N138	68.716676	1.5	14.37777	
95	N139	54.046928	1.5	13.322519	
96	N140	69.934904	1.5	38.067738	
97	N141	58.763176	1.5	31.617738	
98	N142	47.303928	1.5	25.001738	
99	N143	75.142004	1.5	29.048776	
100	N144	70.421676	1.5	11.424623	
101	N145	55.754033	1.5	10.365726	
102	N146	78.953874	1.5	43.274843	
103	N147	69.903995	1.5	9.492853	
104	N148	38.853945	1.5	20.123138	
105	N149	61.244977	3.999	7.195544	
106	N150	63.647853	1.5	5.808228	
107	N151	36.853823	1.5	52.216849	
108	N152	76.155602	3.999	32.829264	
109	N162	61.244977	1.5	7.195544	
110	N163	66.657954	3.999	4.07036	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
111	N164	76.155601	1.5	32.829264	
112	N165	81.485337	3.999	29.75214	
113	N167	66.508602	3.999	49.538358	
114	N172	86.612572	33.999	33.132771	
115	N173	14.612699	33.999	-91.575208	
116	N152A	-61.245263	3.999	7.195505	
117	N153A	-76.155888	3.999	32.829226	
118	N154A	-61.245263	1.5	7.195505	
119	N155A	-66.65824	3.999	4.070321	
120	N156A	-76.155887	1.5	32.829226	
121	N157A	-81.485568	3.999	29.752007	
122	N158A	-24.391083	3.999	-56.637613	
123	N159A	-9.646942	3.999	-82.367453	
124	N160A	-24.391083	1.5	-56.637613	
125	N161A	-29.804061	3.999	-59.762797	
126	N162A	-9.646942	1.5	-82.367452	
127	N163A	-14.976707	3.999	-85.444527	
128	N166	36.853836	3.999	49.442239	
129	N168	36.853836	1.5	49.442239	
130	N169	36.853836	3.999	55.692607	
131	N170	66.508602	1.5	49.538358	
132	N171	66.508778	3.999	55.692607	
133	N172A	-36.854122	3.999	49.442201	
134	N173A	-66.508888	3.999	49.53832	
135	N174	-36.854122	1.5	49.442201	
136	N175	-36.854122	3.999	55.692569	
137	N177	-66.508778	3.999	55.692568	
138	N192	85.731002	3.999	37.105847	
139	N193	10.731129	3.999	-92.798284	
140	N191	-14.612583	33.999	-91.575208	
141	N192A	-86.612857	33.999	33.132732	
142	N195	-10.731013	3.999	-92.798284	
143	N196A	-85.731288	3.999	37.105809	
144	N200A	-72.000216	33.999	58.442569	
145	N201	71.999931	33.999	58.442607	
146	N204	-75.000217	3.999	55.692568	
147	N205	74.999931	3.999	55.692607	
148	N212	-55.425626	1.5	32.	
149	N260	55.425626	1.5	32	
150	N307	0	1.5	-64	
151	N261A	0	-0.25	-28.499622	
152	N262	0	-0.25	-43.7103	
153	N263	0	-0.25	-61.891492	
154	N264	0	-0.25	-75	
155	N265	0	-12.186	-28.499622	
156	N266	0	-1	-28.499622	
157	N267	0	-0.25	-37.118877	
158	N268	0	-0.25	-44.89476	
159	N269	0	-0.25	-51.573283	
160	N270	0	-0.25	-57.173135	
161	N271	0	-0.25	-65.872139	
162	N272	0	-0.25	-68.985478	
163	N273	0	-1	-37.118877	
164	N274	0	-1	-44.89476	
165	N275	0	-1	-51.573283	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
166	N276	0	-1	-57.173135	
167	N277	0	-1	-61.891492	
168	N278	0	-1	-65.872139	
169	N279	0	-1	-68.985478	
170	N280	0	-11.448725	-28.483406	
171	N281	0	-7.999342	-44.89476	
172	N282	0	-10.366243	-37.217909	
173	N283	0	-7.33798	-51.726035	
174	N284	0	-8.731954	-45.047638	
175	N285	0	-6.169122	-57.325924	
176	N286	0	-5.184276	-62.044229	
177	N287	0	-4.35341	-66.024832	
178	N288	0	-3.703574	-69.138138	
179	N289	0	-9.632514	-37.064798	
180	N290	0	-6.605963	-51.573283	
181	N291	0	-5.436935	-57.173135	
182	N292	0	-4.452337	-61.891492	
183	N293	0	-3.621679	-65.872139	
184	N294	0	-2.972005	-68.985478	
185	N295A	0	-1	-75	
186	N296A	0	-1.753262	-74.781781	
187	N297A	0	-2.519851	-74.809241	
188	N298A	0	-0.25	-16.999622	
189	N299A	0	-12.186	-16.999622	
190	N300	0	-1	-16.999622	
191	N301A	0	-11.448547	-16.999622	
192	N302	0	-0.25	-6	
193	N303	0	-12.186	-6	
194	N304	0	-1	-6	
195	N305	0	-11.448547	-6	
196	N306	0	-0.25	-64	
197	N307B	0	-2.305813	-72.140485	
198	N308A	0	-1	-72.140485	
199	N213	-24.681397	-0.25	14.249811	
200	N214	-37.85423	-0.25	21.85515	
201	N215	-53.599604	-0.25	30.945746	
202	N216	-64.951905	-0.25	37.5	
203	N217	-24.681397	-12.186	14.249811	
204	N218	-24.681397	-1	14.249811	
205	N219	-32.14589	-0.25	18.559438	
206	N220	-38.880003	-0.25	22.44738	
207	N221	-44.663773	-0.25	25.786642	
208	N222	-49.513387	-0.25	28.586568	
209	N223	-57.046946	-0.25	32.93607	
210	N224	-59.743176	-0.25	34.492739	
211	N225	-32.14589	-1	18.559438	
212	N226	-38.880003	-1	22.44738	
213	N227	-44.663773	-1	25.786642	
214	N228	-49.513387	-1	28.586568	
215	N229	-53.599604	-1	30.945746	
216	N230	-57.046946	-1	32.93607	
217	N231	-59.743176	-1	34.492739	
218	N232	-24.667353	-11.448725	14.241703	
219	N233	-38.880003	-7.999342	22.44738	
220	N234	-32.231655	-10.366243	18.608954	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
221	N235	-44.796061	-7.33798	25.863018	
222	N236	-39.012399	-8.731954	22.523819	
223	N237	-49.645706	-6.169122	28.662962	
224	N238	-53.731878	-5.184276	31.022114	
225	N239	-57.179182	-4.35341	33.012416	
226	N240	-59.875384	-3.703574	34.569069	
227	N241	-32.099057	-9.632514	18.532399	
228	N242	-44.663773	-6.605963	25.786641	
229	N243	-49.513388	-5.436935	28.586568	
230	N244	-53.599604	-4.452337	30.945746	
231	N245	-57.046946	-3.621679	32.93607	
232	N246	-59.743177	-2.972005	34.492739	
233	N247	-64.951905	-1	37.5	
234	N248	-64.762922	-1.753262	37.390891	
235	N249	-64.786703	-2.519851	37.404621	
236	N250	-14.722104	-0.25	8.499811	
237	N251	-14.722104	-12.186	8.499811	
238	N252	-14.722104	-1	8.499811	
239	N253	-14.722104	-11.448547	8.499811	
240	N254	-5.196152	-0.25	3	
241	N255	-5.196152	-12.186	3	
242	N256	-5.196152	-1	3	
243	N257	-5.196152	-11.448547	3	
244	N258	-55.425626	-0.25	32.	
245	N259	-62.475492	-2.305813	36.070242	
246	N260A	-62.475493	-1	36.070243	
247	N261	24.681397	-0.25	14.249811	
248	N262A	37.85423	-0.25	21.85515	
249	N263A	53.599604	-0.25	30.945746	
250	N264A	64.951905	-0.25	37.5	
251	N265A	24.681397	-12.186	14.249811	
252	N266A	24.681397	-1	14.249811	
253	N267A	32.14589	-0.25	18.559438	
254	N268A	38.880003	-0.25	22.44738	
255	N269A	44.663773	-0.25	25.786641	
256	N270A	49.513387	-0.25	28.586568	
257	N271A	57.046946	-0.25	32.93607	
258	N272A	59.743176	-0.25	34.492739	
259	N273A	32.14589	-1	18.559438	
260	N274A	38.880003	-1	22.44738	
261	N275A	44.663773	-1	25.786641	
262	N276A	49.513387	-1	28.586568	
263	N277A	53.599604	-1	30.945746	
264	N278A	57.046946	-1	32.93607	
265	N279A	59.743176	-1	34.492739	
266	N280A	24.667353	-11.448725	14.241703	
267	N281A	38.880003	-7.999342	22.44738	
268	N282A	32.231655	-10.366243	18.608954	
269	N283A	44.796061	-7.33798	25.863018	
270	N284A	39.012399	-8.731954	22.523819	
271	N285A	49.645706	-6.169122	28.662962	
272	N286A	53.731878	-5.184276	31.022114	
273	N287A	57.179182	-4.35341	33.012416	
274	N288A	59.875384	-3.703574	34.569069	
275	N289A	32.099057	-9.632514	18.532399	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
276	N290A	44.663773	-6.605963	25.786641	
277	N291A	49.513388	-5.436935	28.586568	
278	N292A	53.599604	-4.452337	30.945746	
279	N293A	57.046946	-3.621679	32.93607	
280	N294A	59.743177	-2.972005	34.492739	
281	N295	64.951905	-1	37.5	
282	N296	64.762922	-1.753262	37.390891	
283	N297	64.786703	-2.519851	37.404621	
284	N298	14.722104	-0.25	8.499811	
285	N299	14.722104	-12.186	8.499811	
286	N300A	14.722104	-1	8.499811	
287	N301	14.722104	-11.448547	8.499811	
288	N302A	5.196152	-0.25	3	
289	N303A	5.196152	-12.186	3	
290	N304A	5.196152	-1	3	
291	N305A	5.196152	-11.448547	3	
292	N306A	55.425626	-0.25	32	
293	N307C	62.475492	-2.305813	36.070242	
294	N308B	62.475493	-1	36.070243	
295	CP	0	0	0	
296	N308C	-36.854194	1.5	32.217201	
297	N309A	-46.328011	1.5	15.808068	
298	N310A	-9.47376	1.5	-48.025175	
299	N311A	9.473875	1.5	-48.025175	
300	N312A	46.327726	1.5	15.808106	
301	N313	36.853908	1.5	32.217239	
302	N344A	0	1.5	-75	
303	N345A	-64.951905	1.5	37.5	
304	N346A	64.951905	1.5	37.5	
305	N323	86.612572	-62.001	33.132771	
306	N324	14.612699	-62.001	-91.575208	
307	N325	-14.612583	-62.001	-91.575208	
308	N326	-86.612857	-62.001	33.132732	
309	N329	-72.000216	-62.001	58.442569	
310	N330	71.999931	-62.001	58.442607	
311	N352B	-13.313545	-61.001	-90.825208	
312	N353A	-85.313819	-61.001	33.882732	
313	N358A	-14.612583	-61.001	-91.575208	
314	N359A	-86.612857	-61.001	33.132732	
315	N348A	-5.086304	-56.876	-86.075208	
316	N349A	-77.086578	-56.876	38.632732	
317	N353B	-13.313545	-56.876	-90.825208	
318	N354B	-85.313819	-56.876	33.882732	
319	N358B	-14.612583	-56.876	-91.575208	
320	N359B	-86.612857	-56.876	33.132732	
321	N363	-81.200198	-58.9385	36.257732	
322	N367	-9.199924	-58.9385	-88.450208	
323	N368	-5.086304	-56.126	-86.075208	
324	N369	-77.086578	-56.126	38.632732	
325	N373	-13.313545	-56.126	-90.825208	
326	N374	-85.313819	-56.126	33.882732	
327	N378	-81.200198	-56.876	36.257732	
328	N382	-9.199924	-56.876	-88.450208	
329	N383	-81.200198	-56.126	36.257732	
330	N387	-9.199924	-56.126	-88.450208	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
331	N393	-72.000165	-61.001	56.942472	
332	N394	72.000216	-61.001	56.942569	
333	N398	-72.000165	-61.001	58.442472	
334	N399	72.000216	-61.001	58.442569	
335	N403	-72.000165	-56.876	47.442472	
336	N404	72.000216	-56.876	47.442569	
337	N408	-72.000165	-56.876	56.942472	
338	N409	72.000216	-56.876	56.942569	
339	N413	-72.000165	-56.876	58.442472	
340	N414	72.000216	-56.876	58.442569	
341	N418	72.000216	-58.9385	52.192569	
342	N422	-72.000165	-58.9385	52.192472	
343	N423	-72.000165	-56.126	47.442472	
344	N424	72.000216	-56.126	47.442569	
345	N428	-72.000165	-56.126	56.942472	
346	N429	72.000216	-56.126	56.942569	
347	N433	72.000216	-56.876	52.192569	
348	N437	-72.000165	-56.876	52.192472	
349	N438	72.000216	-56.126	52.192569	
350	N442	-72.000165	-56.126	52.192472	
351	N438A	85.31371	-61.001	33.882736	
352	N439A	13.313603	-61.001	-90.825301	
353	N443	86.612748	-61.001	33.132736	
354	N444	14.612641	-61.001	-91.575301	
355	N448	77.086468	-56.876	38.632736	
356	N449	5.086361	-56.876	-86.075301	
357	N453	85.31371	-56.876	33.882736	
358	N454	13.313603	-56.876	-90.825301	
359	N458	86.612748	-56.876	33.132736	
360	N459	14.612641	-56.876	-91.575301	
361	N463	9.199982	-58.9385	-88.450301	
362	N467	81.200089	-58.9385	36.257736	
363	N468	77.086468	-56.126	38.632736	
364	N469	5.086361	-56.126	-86.075301	
365	N473	85.31371	-56.126	33.882736	
366	N474	13.313603	-56.126	-90.825301	
367	N478	9.199982	-56.876	-88.450301	
368	N482	81.200089	-56.876	36.257736	
369	N483	9.199982	-56.126	-88.450301	
370	N487	81.200089	-56.126	36.257736	
371	N457A	24.0001	33.999	58.442536	
372	N458A	24.0001	3.999	58.442536	
373	N459A	-24.000265	33.999	58.442472	
374	N460A	-24.000265	3.999	58.442472	
375	N461	24.0001	-62.001	58.442536	
376	N462A	-24.000265	-62.001	58.442472	
377	N463A	24.0001	-61.001	56.942536	
378	N464A	-24.000265	-61.001	56.942472	
379	N465	24.0001	-61.001	58.442536	
380	N466A	-24.000265	-61.001	58.442472	
381	N467A	24.0001	-56.876	47.442536	
382	N468A	-24.000265	-56.876	47.442472	
383	N469A	24.0001	-56.876	56.942536	
384	N470A	-24.000265	-56.876	56.942472	
385	N471	24.0001	-56.876	58.442536	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
386	N472A	-24.000265	-56.876	58.442472	
387	N473A	24.0001	-58.9385	52.192536	
388	N474A	-24.000265	-58.9385	52.192472	
389	N475A	24.0001	-56.126	47.442536	
390	N476	-24.000265	-56.126	47.442472	
391	N477A	24.0001	-56.126	56.942536	
392	N478A	-24.000265	-56.126	56.942472	
393	N479A	24.0001	-56.876	52.192536	
394	N480	-24.000265	-56.876	52.192472	
395	N481A	24.0001	-56.126	52.192536	
396	N482A	-24.000265	-56.126	52.192472	
397	N456	24.0001	3.999	55.692536	
398	N457	-24.000265	3.999	55.692472	
399	N459B	71.999931	3.999	58.442607	
400	N462	-14.612583	3.999	-91.575208	
401	N463B	-86.612857	3.999	33.132733	
402	N466	86.612572	3.999	33.132771	
403	N467B	14.612698	3.999	-91.575208	
404	N464C	-72.000217	3.999	55.692568	
405	N465C	71.999931	3.999	55.692607	
406	N466B	-72.000217	3.999	58.442568	
407	N467C	84.231288	3.999	34.507733	
408	N468B	12.231247	3.999	-90.200073	
409	N470	-12.231071	3.999	-90.200301	
410	N471A	-84.231178	3.999	34.507466	
411	N468C	-78.656978	-56.126	45.412627	
412	N469B	-74.543357	-56.126	43.037627	
413	N470B	0	-56.126	-86.075254	
414	N471B	0	-56.126	-90.825254	
415	N472	78.656978	-56.126	45.412627	
416	N473B	74.543357	-56.126	43.037627	
417	N417	37.313633	-61.001	-49.255964	
418	N419	38.612671	-61.001	-50.005964	
419	N420	38.612671	-62.001	-50.005964	
420	N421	61.31376	-56.876	-7.686397	
421	N425	38.612671	3.999	-50.005964	
422	N426	60.231228	3.999	-7.061397	
423	N427	62.612798	-56.876	-8.436397	
424	N430	57.200139	-56.126	-5.311397	
425	N431	37.313633	-56.126	-49.255964	
426	N432	33.200012	-56.126	-46.880964	
427	N434	62.612798	3.999	-8.436397	
428	N435	53.086518	-56.126	-2.936397	
429	N436	37.313633	-56.876	-49.255964	
430	N439	29.086391	-56.876	-44.505964	
431	N440	38.612671	-56.876	-50.005964	
432	N441	33.200012	-58.9385	-46.880964	
433	N445	29.086391	-56.126	-44.505964	
434	N446	33.200012	-56.876	-46.880964	
435	N447	36.231101	3.999	-48.630964	
436	N450	38.612671	33.999	-50.005964	
437	N451	62.612798	-61.001	-8.436397	
438	N452	57.200139	-58.9385	-5.311397	
439	N455	61.31376	-61.001	-7.686397	
440	N460	62.612798	-62.001	-8.436397	

Node Coordinates (Continued)

	Label	X [in]	Y [in]	Z [in]	Detach From Diaphragm
441	N464	53.086518	-56.876	-2.936397	
442	N475	61.31376	-56.126	-7.686397	
443	N477	57.200139	-56.876	-5.311397	
444	N479	62.612798	33.999	-8.436397	
445	N481	-61.313733	-61.001	-7.686572	
446	N484	-62.612771	-61.001	-8.436572	
447	N485	-62.612771	-62.001	-8.436572	
448	N486	-37.313495	-56.876	-49.256075	
449	N488	-62.612771	3.999	-8.436572	
450	N489	-36.230963	3.999	-48.631075	
451	N490	-38.612533	-56.876	-50.006075	
452	N491	-33.199874	-56.126	-46.881075	
453	N492	-61.313733	-56.126	-7.686572	
454	N493	-57.200112	-56.126	-5.311572	
455	N494	-38.612533	3.999	-50.006075	
456	N495	-29.086254	-56.126	-44.506075	
457	N496	-61.313733	-56.876	-7.686572	
458	N497	-53.086491	-56.876	-2.936572	
459	N498	-62.612771	-56.876	-8.436572	
460	N499	-57.200112	-58.9385	-5.311572	
461	N500	-53.086491	-56.126	-2.936572	
462	N501	-57.200112	-56.876	-5.311572	
463	N502	-60.231201	3.999	-7.061572	
464	N503	-62.612771	33.999	-8.436572	
465	N504	-38.612533	-61.001	-50.006075	
466	N505	-33.199874	-58.9385	-46.881075	
467	N506	-37.313495	-61.001	-49.256075	
468	N507	-38.612533	-62.001	-50.006075	
469	N508	-29.086254	-56.876	-44.506075	
470	N509	-37.313495	-56.126	-49.256075	
471	N510	-33.199874	-56.876	-46.881075	
472	N511	-38.612533	33.999	-50.006075	

Hot Rolled Steel Design Parameters

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function
1	M31	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
2	M33	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
3	M34A	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
4	M45A	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
5	M54	Standoffs	50.932			Lbyy	1	1	Lateral
6	M60	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
7	M61	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
8	M62	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
9	M66	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral
10	M68	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
11	M73	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
12	M74	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
13	M74B	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
14	M74C	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral
15	M75	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
16	M75B	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
17	M76	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
18	M77	Standoffs	50.932			Lbyy	1	1	Lateral
19	M78	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral
20	M79	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral

Hot Rolled Steel Design Parameters (Continued)

Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function	
21	M80	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
22	M81	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
23	M82	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
24	M83	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
25	M84	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
26	M85	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
27	M122	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
28	M123	Angle Bracing	34.973	Segment	Segment	Lbyy	0.65	0.65	Lateral
29	M124	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
30	M125	Angle Bracing	28.63	Segment	Segment	Lbyy	0.65	0.65	Lateral
31	M126	Standoffs	50.932			Lbyy	1	1	Lateral
32	M127	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral
33	M128	Connection Plates	7.261			Lbyy	0.65	0.65	Lateral
34	M129	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
35	M130	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
36	M131	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
37	M132	Platform Bracing	19.907	6	6	Lbyy	0.65	0.65	Lateral
38	M133	Platform Bracing	13.486	6	6	Lbyy	0.65	0.65	Lateral
39	M134	Platform Bracing	7	6	6	Lbyy	0.65	0.65	Lateral
40	M146A	Horizontals	150			Lbyy			Lateral
41	M177	Horizontals	150			Lbyy			Lateral
42	M182	Horizontals	150			Lbyy			Lateral
43	M216	Standoff (Top Chord)	12.278			Lbyy	0.65	0.65	Lateral
44	M217	Standoff (Top Chord)	7.776			Lbyy	0.65	0.65	Lateral
45	M218	Standoff (Top Chord)	8.619			Lbyy	0.65	0.65	Lateral
46	M219	Standoff (Bottom Chord)	12.543			Lbyy	0.65	0.65	Lateral
47	M220	Standoff (Bottom Chord)	7.998			Lbyy	0.65	0.65	Lateral
48	M221	Standoff (Bottom Chord)	8.906			Lbyy	0.65	0.65	Lateral
49	M222	Standoff Bracing 1	12.278			Lbyy	0.65	0.65	Lateral
50	M223	Standoff Bracing 1	7.776			Lbyy	0.65	0.65	Lateral
51	M224	Standoff Bracing 1	8.619			Lbyy	0.65	0.65	Lateral
52	M225	Standoff Bracing 1	12.543			Lbyy	0.65	0.65	Lateral
53	M226	Standoff Bracing 1	7.998			Lbyy	0.65	0.65	Lateral
54	M227	Standoff Bracing 1	8.771			Lbyy	0.65	0.65	Lateral
55	M228	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
56	M230	Standoff Bracing 1	12.161			Lbyy	0.65	0.65	Lateral
57	M231	Standoff Bracing 1	8.633			Lbyy	0.65	0.65	Lateral
58	M232	Standoff Bracing 1	10.462			Lbyy	0.65	0.65	Lateral
59	M233	Standoff Bracing 2	6.999			Lbyy	0.65	0.65	Lateral
60	M234	Standoff Bracing 2	8.719			Lbyy	0.65	0.65	Lateral
61	M235	Standoff Bracing 2	5.606			Lbyy	0.65	0.65	Lateral
62	M236	Standoff Bracing 3	7.145			Lbyy	0.65	0.65	Lateral
63	M237	Standoff Bracing 3	4.437			Lbyy	0.65	0.65	Lateral
64	M238	Standoff Bracing 3	5.846			Lbyy	0.65	0.65	Lateral
65	M239	Standoff Bracing 4	3.452			Lbyy	0.65	0.65	Lateral
66	M240	Standoff Bracing 4	4.766			Lbyy	0.65	0.65	Lateral
67	M245	Standoff (Bottom Chord)	11.5			Lbyy	0.65	0.65	Lateral
68	M246	Standoff (Bottom Chord)	11			Lbyy	0.65	0.65	Lateral
69	M247	Standoff Bracing 1	11.484			Lbyy	0.65	0.65	Lateral
70	M248	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
71	M249	Standoff Bracing 1	11.5			Lbyy	0.65	0.65	Lateral
72	M250	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
73	M251	Standoff Bracing 1	15.526			Lbyy	0.65	0.65	Lateral
74	M252	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
75	M253	Standoff Bracing 1	15.171			Lbyy	0.65	0.65	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function
76	M254	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
77	M255	Standoff (Top Chord)	11.5			Lbyy	0.65	0.65	Lateral
78	M256	Standoff (Top Chord)	11			Lbyy	0.65	0.65	Lateral
79	M261	Standoff (Bottom Chord)	8.974			Lbyy	0.65	0.65	Lateral
80	M262	Standoff (Top Chord)	9.128			Lbyy	0.65	0.65	Lateral
81	M263	Standoff Bracing 1	9.128			Lbyy	0.65	0.65	Lateral
82	M264	Standoff Bracing 1	9.103			Lbyy	0.65	0.65	Lateral
83	M265A	Standoff (Top Chord)	8.699			Lbyy	0.65	0.65	Lateral
84	M266A	Standoff Bracing 1	8.699			Lbyy	0.65	0.65	Lateral
85	M267A	Standoff Bracing 1	8.886			Lbyy	0.65	0.65	Lateral
86	M268A	Standoff (Bottom Chord)	8.886			Lbyy	0.65	0.65	Lateral
87	M283	Standoff (Top Chord)	12.278			Lbyy	0.65	0.65	Lateral
88	M284	Standoff (Top Chord)	7.776			Lbyy	0.65	0.65	Lateral
89	M285	Standoff (Top Chord)	8.619			Lbyy	0.65	0.65	Lateral
90	M286	Standoff (Bottom Chord)	12.543			Lbyy	0.65	0.65	Lateral
91	M287	Standoff (Bottom Chord)	7.998			Lbyy	0.65	0.65	Lateral
92	M287A	Standoff (Top Chord)	12.278			Lbyy	0.65	0.65	Lateral
93	M288	Standoff (Bottom Chord)	8.906			Lbyy	0.65	0.65	Lateral
94	M288A	Standoff (Top Chord)	7.776			Lbyy	0.65	0.65	Lateral
95	M289	Standoff Bracing 1	12.278			Lbyy	0.65	0.65	Lateral
96	M289A	Standoff (Top Chord)	8.619			Lbyy	0.65	0.65	Lateral
97	M290	Standoff Bracing 1	7.776			Lbyy	0.65	0.65	Lateral
98	M290A	Standoff (Bottom Chord)	12.543			Lbyy	0.65	0.65	Lateral
99	M291	Standoff Bracing 1	8.619			Lbyy	0.65	0.65	Lateral
100	M291A	Standoff (Bottom Chord)	7.998			Lbyy	0.65	0.65	Lateral
101	M292	Standoff Bracing 1	12.543			Lbyy	0.65	0.65	Lateral
102	M292A	Standoff (Bottom Chord)	8.906			Lbyy	0.65	0.65	Lateral
103	M293	Standoff Bracing 1	7.998			Lbyy	0.65	0.65	Lateral
104	M293A	Standoff Bracing 1	12.278			Lbyy	0.65	0.65	Lateral
105	M294	Standoff Bracing 1	8.771			Lbyy	0.65	0.65	Lateral
106	M294A	Standoff Bracing 1	7.776			Lbyy	0.65	0.65	Lateral
107	M295	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
108	M295A	Standoff Bracing 1	8.619			Lbyy	0.65	0.65	Lateral
109	M296A	Standoff Bracing 1	12.543			Lbyy	0.65	0.65	Lateral
110	M297	Standoff Bracing 1	12.161			Lbyy	0.65	0.65	Lateral
111	M297A	Standoff Bracing 1	7.998			Lbyy	0.65	0.65	Lateral
112	M298	Standoff Bracing 1	8.633			Lbyy	0.65	0.65	Lateral
113	M298A	Standoff Bracing 1	8.771			Lbyy	0.65	0.65	Lateral
114	M299	Standoff Bracing 1	10.462			Lbyy	0.65	0.65	Lateral
115	M299A	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
116	M300	Standoff Bracing 2	6.999			Lbyy	0.65	0.65	Lateral
117	M301	Standoff Bracing 2	8.719			Lbyy	0.65	0.65	Lateral
118	M301A	Standoff Bracing 1	12.161			Lbyy	0.65	0.65	Lateral
119	M302	Standoff Bracing 2	5.606			Lbyy	0.65	0.65	Lateral
120	M302A	Standoff Bracing 1	8.633			Lbyy	0.65	0.65	Lateral
121	M303	Standoff Bracing 3	7.145			Lbyy	0.65	0.65	Lateral
122	M303A	Standoff Bracing 1	10.462			Lbyy	0.65	0.65	Lateral
123	M304	Standoff Bracing 3	4.437			Lbyy	0.65	0.65	Lateral
124	M304A	Standoff Bracing 2	6.999			Lbyy	0.65	0.65	Lateral
125	M305	Standoff Bracing 3	5.846			Lbyy	0.65	0.65	Lateral
126	M305A	Standoff Bracing 2	8.719			Lbyy	0.65	0.65	Lateral
127	M306	Standoff Bracing 4	3.452			Lbyy	0.65	0.65	Lateral
128	M306A	Standoff Bracing 2	5.606			Lbyy	0.65	0.65	Lateral
129	M307	Standoff Bracing 3	7.145			Lbyy	0.65	0.65	Lateral
130	M307A	Standoff Bracing 4	4.766			Lbyy	0.65	0.65	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function
131	M308	Standoff Bracing 3	4.437			Lbyy	0.65	0.65	Lateral
132	M309	Standoff Bracing 3	5.846			Lbyy	0.65	0.65	Lateral
133	M310	Standoff Bracing 4	3.452			Lbyy	0.65	0.65	Lateral
134	M311	Standoff Bracing 4	4.766			Lbyy	0.65	0.65	Lateral
135	M313A	Standoff (Bottom Chord)	11.5			Lbyy	0.65	0.65	Lateral
136	M314A	Standoff (Bottom Chord)	11			Lbyy	0.65	0.65	Lateral
137	M315A	Standoff Bracing 1	11.484			Lbyy	0.65	0.65	Lateral
138	M316	Standoff (Bottom Chord)	11.5			Lbyy	0.65	0.65	Lateral
139	M316A	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
140	M317	Standoff (Bottom Chord)	11			Lbyy	0.65	0.65	Lateral
141	M317A	Standoff Bracing 1	11.5			Lbyy	0.65	0.65	Lateral
142	M318	Standoff Bracing 1	11.484			Lbyy	0.65	0.65	Lateral
143	M318A	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
144	M319	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
145	M319A	Standoff Bracing 1	15.526			Lbyy	0.65	0.65	Lateral
146	M320	Standoff Bracing 1	11.5			Lbyy	0.65	0.65	Lateral
147	M320A	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
148	M321	Standoff Bracing 1	11			Lbyy	0.65	0.65	Lateral
149	M321A	Standoff Bracing 1	15.171			Lbyy	0.65	0.65	Lateral
150	M322	Standoff Bracing 1	15.526			Lbyy	0.65	0.65	Lateral
151	M322A	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
152	M323	Standoff (Top Chord)	11.5			Lbyy	0.65	0.65	Lateral
153	M323A	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
154	M324	Standoff (Top Chord)	11			Lbyy	0.65	0.65	Lateral
155	M324A	Standoff Bracing 1	15.171			Lbyy	0.65	0.65	Lateral
156	M325A	Standoff Bracing 1	10.449			Lbyy	0.65	0.65	Lateral
157	M326A	Standoff (Top Chord)	11.5			Lbyy	0.65	0.65	Lateral
158	M327A	Standoff (Top Chord)	11			Lbyy	0.65	0.65	Lateral
159	M329	Standoff (Bottom Chord)	8.974			Lbyy	0.65	0.65	Lateral
160	M330	Standoff (Top Chord)	9.128			Lbyy	0.65	0.65	Lateral
161	M331	Standoff Bracing 1	9.128			Lbyy	0.65	0.65	Lateral
162	M332	Standoff Bracing 1	9.103			Lbyy	0.65	0.65	Lateral
163	M332A	Standoff (Top Chord)	8.699			Lbyy	0.65	0.65	Lateral
164	M332B	Standoff (Bottom Chord)	8.974			Lbyy	0.65	0.65	Lateral
165	M333	Standoff Bracing 1	8.699			Lbyy	0.65	0.65	Lateral
166	M333A	Standoff (Top Chord)	9.128			Lbyy	0.65	0.65	Lateral
167	M334	Standoff Bracing 1	8.886			Lbyy	0.65	0.65	Lateral
168	M334A	Standoff Bracing 1	9.128			Lbyy	0.65	0.65	Lateral
169	M335	Standoff (Bottom Chord)	8.886			Lbyy	0.65	0.65	Lateral
170	M335A	Standoff Bracing 1	9.103			Lbyy	0.65	0.65	Lateral
171	M336	Standoff (Top Chord)	8.699			Lbyy	0.65	0.65	Lateral
172	M337	Standoff Bracing 1	8.699			Lbyy	0.65	0.65	Lateral
173	M338	Standoff Bracing 1	8.886			Lbyy	0.65	0.65	Lateral
174	M339	Standoff (Bottom Chord)	8.886			Lbyy	0.65	0.65	Lateral
175	M357	Walking Platform Connections	5.178			Lbyy			Lateral
176	M361	Walking Platform Connections	5.178			Lbyy			Lateral
177	M362	Walking Platform Connections	4.75			Lbyy			Lateral
178	M366	Walking Platform Connections	4.75			Lbyy			Lateral
179	M367A	Walking Platform Connections	4.125			Lbyy			Lateral
180	M371	Walking Platform Connections	4.125			Lbyy			Lateral
181	M377	Walking Platform Connections	5.178			Lbyy			Lateral
182	M381	Walking Platform Connections	5.178			Lbyy			Lateral
183	M382	Walking Platform Connections	5.178			Lbyy			Lateral
184	M386	Walking Platform Connections	5.178			Lbyy			Lateral
185	M387	Walking Platform Connections	4.75			Lbyy			Lateral

Hot Rolled Steel Design Parameters (Continued)

Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function
186	M391	Walking Platform Connections	4.75			Lbyy		Lateral
187	M412	Walking Platform	144	Segment	Segment	Lbyy		Lateral
188	M418	Walking Platform Connections	5.178			Lbyy		Lateral
189	M422	Walking Platform Connections	5.178			Lbyy		Lateral
190	M423	Walking Platform Connections	4.75			Lbyy		Lateral
191	M427	Walking Platform Connections	4.75			Lbyy		Lateral
192	M428	Walking Platform Connections	4.125			Lbyy		Lateral
193	M432	Walking Platform Connections	4.125			Lbyy		Lateral
194	M438	Walking Platform Connections	5.178			Lbyy		Lateral
195	M442	Walking Platform Connections	5.178			Lbyy		Lateral
196	M443	Walking Platform Connections	5.178			Lbyy		Lateral
197	M447	Walking Platform Connections	5.178			Lbyy		Lateral
198	M448	Walking Platform Connections	4.75			Lbyy		Lateral
199	M452	Walking Platform Connections	4.75			Lbyy		Lateral
200	M473	Walking Platform	144	Segment	Segment	Lbyy		Lateral
201	M479	Walking Platform Connections	5.178			Lbyy		Lateral
202	M483	Walking Platform Connections	5.178			Lbyy		Lateral
203	M484	Walking Platform Connections	4.75			Lbyy		Lateral
204	M488	Walking Platform Connections	4.75			Lbyy		Lateral
205	M489	Walking Platform Connections	4.125			Lbyy		Lateral
206	M493	Walking Platform Connections	4.125			Lbyy		Lateral
207	M499	Walking Platform Connections	5.178			Lbyy		Lateral
208	M503	Walking Platform Connections	5.178			Lbyy		Lateral
209	M504	Walking Platform Connections	5.178			Lbyy		Lateral
210	M508	Walking Platform Connections	5.178			Lbyy		Lateral
211	M509	Walking Platform Connections	4.75			Lbyy		Lateral
212	M509A	Walking Platform Connections	5.178			Lbyy		Lateral
213	M510A	Walking Platform Connections	5.178			Lbyy		Lateral
214	M511	Walking Platform Connections	4.75			Lbyy		Lateral
215	M512A	Walking Platform Connections	4.75			Lbyy		Lateral
216	M513	Walking Platform Connections	4.75			Lbyy		Lateral
217	M513A	Walking Platform Connections	4.125			Lbyy		Lateral
218	M514A	Walking Platform Connections	4.125			Lbyy		Lateral
219	M517A	Walking Platform Connections	5.178			Lbyy		Lateral
220	M518A	Walking Platform Connections	5.178			Lbyy		Lateral
221	M519A	Walking Platform Connections	5.178			Lbyy		Lateral
222	M520A	Walking Platform Connections	5.178			Lbyy		Lateral
223	M521A	Walking Platform Connections	4.75			Lbyy		Lateral
224	M522	Walking Platform Connections	4.75			Lbyy		Lateral
225	M534	Walking Platform	144	Segment	Segment	Lbyy		Lateral
226	M535	Walking Platform Bracing	26.627			Lbyy		Lateral
227	M536	Walking Platform Bracing	26.627			Lbyy		Lateral
228	M537	Walking Platform Bracing	26.627			Lbyy		Lateral
229	M538	Walking Platform Bracing	10.173			Lbyy		Lateral
230	M539	Walking Platform Bracing	10.173			Lbyy		Lateral
231	M540	Walking Platform Bracing	10.173			Lbyy		Lateral
232	MP1	Mount Pipes	96			Lbyy		Lateral
233	MP2	Mount Pipes	96			Lbyy		Lateral
234	MP3	Mount Pipes	96			Lbyy		Lateral
235	MP4	Mount Pipes	96			Lbyy		Lateral
236	MP5	Mount Pipes	96			Lbyy		Lateral
237	MP8	Mount Pipes	96			Lbyy		Lateral
238	MP9	Mount Pipes	96			Lbyy		Lateral
239	MP12	Mount Pipes	96			Lbyy		Lateral
240	M461	Walking Platform Connections	5.178			Lbyy		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	K y-y	K z-z	Function
241	M463	Walking Platform Connections	4.75			Lbyy			Lateral
242	M464	Walking Platform Connections	5.178			Lbyy			Lateral
243	MP11	Mount Pipes	96			Lbyy			Lateral
244	M468	Walking Platform Connections	4.75			Lbyy			Lateral
245	M474	Walking Platform Connections	5.178			Lbyy			Lateral
246	M475	Walking Platform Connections	4.125			Lbyy			Lateral
247	M480	Walking Platform Connections	5.178			Lbyy			Lateral
248	M481	Walking Platform Connections	5.178			Lbyy			Lateral
249	M482	Walking Platform Connections	4.75			Lbyy			Lateral
250	MP10	Mount Pipes	96			Lbyy			Lateral
251	M495	Walking Platform Connections	5.178			Lbyy			Lateral
252	M501	Walking Platform Connections	4.75			Lbyy			Lateral
253	M502	Walking Platform Connections	4.125			Lbyy			Lateral
254	M510	Walking Platform Connections	5.178			Lbyy			Lateral
255	M519	Walking Platform Connections	4.75			Lbyy			Lateral
256	M520	Walking Platform Connections	5.178			Lbyy			Lateral
257	MP7	Mount Pipes	96			Lbyy			Lateral
258	M528	Walking Platform Connections	4.75			Lbyy			Lateral
259	M529	Walking Platform Connections	5.178			Lbyy			Lateral
260	M541	Walking Platform Connections	4.125			Lbyy			Lateral
261	M543	Walking Platform Connections	5.178			Lbyy			Lateral
262	M544	Walking Platform Connections	5.178			Lbyy			Lateral
263	M545	Walking Platform Connections	4.75			Lbyy			Lateral
264	MP6	Mount Pipes	96			Lbyy			Lateral
265	M552	Walking Platform Connections	5.178			Lbyy			Lateral
266	M556	Walking Platform Connections	4.75			Lbyy			Lateral
267	M557	Walking Platform Connections	4.125			Lbyy			Lateral

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Nodal	Point	Distributed	Area(Member)
1	Self Weight	DL		-1			38		12
2	Wind Load AZI 0	WLZ					76		
3	Wind Load AZI 30	None					76		
4	Wind Load AZI 60	None					76		
5	Wind Load AZI 90	WLX					76		
6	Wind Load AZI 120	None					76		
7	Wind Load AZI 150	None					76		
8	Wind Load AZI 180	None					76		
9	Wind Load AZI 210	None					76		
10	Wind Load AZI 240	None					76		
11	Wind Load AZI 270	None					76		
12	Wind Load AZI 300	None					76		
13	Wind Load AZI 330	None					76		
14	Distr. Wind Load Z	WLZ						516	
15	Distr. Wind Load X	WLX						516	
16	Ice Weight	OL1					38	516	12
17	Ice Wind Load AZI 0	OL2					76		
18	Ice Wind Load AZI 30	None					76		
19	Ice Wind Load AZI 60	None					76		
20	Ice Wind Load AZI 90	OL3					76		
21	Ice Wind Load AZI 120	None					76		
22	Ice Wind Load AZI 150	None					76		
23	Ice Wind Load AZI 180	None					76		
24	Ice Wind Load AZI 210	None					76		
25	Ice Wind Load AZI 240	None					76		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Nodal	Point	Distributed	Area(Member)
26	Ice Wind Load AZI 270	None					76		
27	Ice Wind Load AZI 300	None					76		
28	Ice Wind Load AZI 330	None					76		
29	Distr. Ice Wind Load Z	OL2						516	
30	Distr. Ice Wind Load X	OL3						516	
31	Seismic Load Z	ELZ			-0.31		38		
32	Seismic Load X	ELX	-0.31				38		
33	Service Live Loads	LL				1			
34	Maintenance Load 1	LL				1			
35	Maintenance Load 2	LL				1			
36	Maintenance Load 3	LL				1			
37	Maintenance Load 4	LL				1			
38	Maintenance Load 5	LL				1			
39	Maintenance Load 6	LL				1			
40	Maintenance Load 7	LL				1			
41	Maintenance Load 8	LL				1			
42	Maintenance Load 9	LL				1			
43	Maintenance Load 10	LL				1			
44	Maintenance Load 11	LL				1			
45	Maintenance Load 12	LL				1			
46	BLC 1 Transient Area Loads	None						305	
47	BLC 16 Transient Area Loads	None						305	

Member Point Loads (BLC 1 : Self Weight)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	Y	-38.25	6
2	MP4	Y	-38.25	50
3	MP3	Y	-33.1	6
4	MP3	Y	-33.1	20
5	MP3	Y	-40.8	30
6	MP3	Y	-40.8	60
7	MP2	Y	-47.4	6
8	MP2	Y	-47.4	60
9	MP4	Y	-29.5	%25
10	MP4	Y	-52.9	%50
11	MP4	Y	-71	%75
12	MP2	Y	-56.4	%50
13	MP2	Y	-72	%75
14	MP8	Y	-38.25	6
15	MP8	Y	-38.25	50
16	MP7	Y	-33.1	6
17	MP7	Y	-33.1	20
18	MP7	Y	-40.8	30
19	MP7	Y	-40.8	60
20	MP6	Y	-47.4	6
21	MP6	Y	-47.4	60
22	MP8	Y	-52.9	%50
23	MP8	Y	-71	%75
24	MP6	Y	-56.4	%50
25	MP6	Y	-72	%75
26	MP12	Y	-38.25	6
27	MP12	Y	-38.25	50
28	MP11	Y	-33.1	6
29	MP11	Y	-33.1	20
30	MP11	Y	-40.8	30

Member Point Loads (BLC 1 : Self Weight) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
31	MP11	Y	-40.8	60
32	MP10	Y	-47.4	6
33	MP10	Y	-47.4	60
34	MP12	Y	-29.5	%25
35	MP12	Y	-52.9	%50
36	MP12	Y	-71	%75
37	MP10	Y	-56.4	%50
38	MP10	Y	-72	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	0	6
2	MP4	Z	-182.24	6
3	MP4	X	0	50
4	MP4	Z	-182.24	50
5	MP3	X	0	6
6	MP3	Z	-84.09	6
7	MP3	X	0	20
8	MP3	Z	-84.09	20
9	MP3	X	0	30
10	MP3	Z	-83.44	30
11	MP3	X	0	60
12	MP3	Z	-83.44	60
13	MP2	X	0	6
14	MP2	Z	-196.69	6
15	MP2	X	0	60
16	MP2	Z	-196.69	60
17	MP4	X	0	%25
18	MP4	Z	-45.36	%25
19	MP4	X	0	%50
20	MP4	Z	-125.22	%50
21	MP4	X	0	%75
22	MP4	Z	-90.2	%75
23	MP2	X	0	%50
24	MP2	Z	-92.67	%50
25	MP2	X	0	%75
26	MP2	Z	-75.14	%75
27	MP8	X	0	6
28	MP8	Z	-109.86	6
29	MP8	X	0	50
30	MP8	Z	-109.86	50
31	MP7	X	0	6
32	MP7	Z	-49.44	6
33	MP7	X	0	20
34	MP7	Z	-49.44	20
35	MP7	X	0	30
36	MP7	Z	-50.43	30
37	MP7	X	0	60
38	MP7	Z	-50.43	60
39	MP6	X	0	6
40	MP6	Z	-100.06	6
41	MP6	X	0	60
42	MP6	Z	-100.06	60
43	MP8	X	0	%50
44	MP8	Z	-88.66	%50

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
45	MP8	X	0	%75
46	MP8	Z	-70.97	%75
47	MP6	X	0	%50
48	MP6	Z	-66.01	%50
49	MP6	X	0	%75
50	MP6	Z	-65.32	%75
51	MP12	X	0	6
52	MP12	Z	-109.86	6
53	MP12	X	0	50
54	MP12	Z	-109.86	50
55	MP11	X	0	6
56	MP11	Z	-49.44	6
57	MP11	X	0	20
58	MP11	Z	-49.44	20
59	MP11	X	0	30
60	MP11	Z	-50.43	30
61	MP11	X	0	60
62	MP11	Z	-50.43	60
63	MP10	X	0	6
64	MP10	Z	-100.06	6
65	MP10	X	0	60
66	MP10	Z	-100.06	60
67	MP12	X	0	%25
68	MP12	Z	-33.48	%25
69	MP12	X	0	%50
70	MP12	Z	-88.66	%50
71	MP12	X	0	%75
72	MP12	Z	-70.97	%75
73	MP10	X	0	%50
74	MP10	Z	-66.01	%50
75	MP10	X	0	%75
76	MP10	Z	-65.32	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-79.06	6
2	MP4	Z	-136.93	6
3	MP4	X	-79.06	50
4	MP4	Z	-136.93	50
5	MP3	X	-36.27	6
6	MP3	Z	-62.82	6
7	MP3	X	-36.27	20
8	MP3	Z	-62.82	20
9	MP3	X	-36.22	30
10	MP3	Z	-62.73	30
11	MP3	X	-36.22	60
12	MP3	Z	-62.73	60
13	MP2	X	-82.24	6
14	MP2	Z	-142.44	6
15	MP2	X	-82.24	60
16	MP2	Z	-142.44	60
17	MP4	X	-20.7	%25
18	MP4	Z	-35.85	%25
19	MP4	X	-56.52	%50
20	MP4	Z	-97.89	%50

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
21	MP4	X	-41.9	%75
22	MP4	Z	-72.57	%75
23	MP2	X	-41.89	%50
24	MP2	Z	-72.55	%50
25	MP2	X	-35.94	%75
26	MP2	Z	-62.24	%75
27	MP8	X	-79.06	6
28	MP8	Z	-136.93	6
29	MP8	X	-79.06	50
30	MP8	Z	-136.93	50
31	MP7	X	-36.27	6
32	MP7	Z	-62.82	6
33	MP7	X	-36.27	20
34	MP7	Z	-62.82	20
35	MP7	X	-36.22	30
36	MP7	Z	-62.73	30
37	MP7	X	-36.22	60
38	MP7	Z	-62.73	60
39	MP6	X	-82.24	6
40	MP6	Z	-142.44	6
41	MP6	X	-82.24	60
42	MP6	Z	-142.44	60
43	MP8	X	-56.52	%50
44	MP8	Z	-97.89	%50
45	MP8	X	-41.9	%75
46	MP8	Z	-72.57	%75
47	MP6	X	-41.89	%50
48	MP6	Z	-72.55	%50
49	MP6	X	-35.94	%75
50	MP6	Z	-62.24	%75
51	MP12	X	-42.87	6
52	MP12	Z	-74.25	6
53	MP12	X	-42.87	50
54	MP12	Z	-74.25	50
55	MP11	X	-18.95	6
56	MP11	Z	-32.81	6
57	MP11	X	-18.95	20
58	MP11	Z	-32.81	20
59	MP11	X	-19.71	30
60	MP11	Z	-34.15	30
61	MP11	X	-19.71	60
62	MP11	Z	-34.15	60
63	MP10	X	-33.93	6
64	MP10	Z	-58.76	6
65	MP10	X	-33.93	60
66	MP10	Z	-58.76	60
67	MP12	X	-14.76	%25
68	MP12	Z	-25.57	%25
69	MP12	X	-38.24	%50
70	MP12	Z	-66.23	%50
71	MP12	X	-32.28	%75
72	MP12	Z	-55.91	%75
73	MP10	X	-28.56	%50
74	MP10	Z	-49.47	%50
75	MP10	X	-31.03	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
76	MP10	Z	-53.74	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-95.14	6
2	MP4	Z	-54.93	6
3	MP4	X	-95.14	50
4	MP4	Z	-54.93	50
5	MP3	X	-42.82	6
6	MP3	Z	-24.72	6
7	MP3	X	-42.82	20
8	MP3	Z	-24.72	20
9	MP3	X	-43.68	30
10	MP3	Z	-25.22	30
11	MP3	X	-43.68	60
12	MP3	Z	-25.22	60
13	MP2	X	-86.66	6
14	MP2	Z	-50.03	6
15	MP2	X	-86.66	60
16	MP2	Z	-50.03	60
17	MP4	X	-29	%25
18	MP4	Z	-16.74	%25
19	MP4	X	-76.79	%50
20	MP4	Z	-44.33	%50
21	MP4	X	-61.46	%75
22	MP4	Z	-35.49	%75
23	MP2	X	-57.16	%50
24	MP2	Z	-33	%50
25	MP2	X	-56.57	%75
26	MP2	Z	-32.66	%75
27	MP8	X	-157.83	6
28	MP8	Z	-91.12	6
29	MP8	X	-157.83	50
30	MP8	Z	-91.12	50
31	MP7	X	-72.83	6
32	MP7	Z	-42.05	6
33	MP7	X	-72.83	20
34	MP7	Z	-42.05	20
35	MP7	X	-72.26	30
36	MP7	Z	-41.72	30
37	MP7	X	-72.26	60
38	MP7	Z	-41.72	60
39	MP6	X	-170.33	6
40	MP6	Z	-98.34	6
41	MP6	X	-170.33	60
42	MP6	Z	-98.34	60
43	MP8	X	-108.45	%50
44	MP8	Z	-62.61	%50
45	MP8	X	-78.12	%75
46	MP8	Z	-45.1	%75
47	MP6	X	-80.25	%50
48	MP6	Z	-46.33	%50
49	MP6	X	-65.08	%75
50	MP6	Z	-37.57	%75
51	MP12	X	-95.14	6

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
52	MP12	Z	-54.93	6
53	MP12	X	-95.14	50
54	MP12	Z	-54.93	50
55	MP11	X	-42.82	6
56	MP11	Z	-24.72	6
57	MP11	X	-42.82	20
58	MP11	Z	-24.72	20
59	MP11	X	-43.68	30
60	MP11	Z	-25.22	30
61	MP11	X	-43.68	60
62	MP11	Z	-25.22	60
63	MP10	X	-86.66	6
64	MP10	Z	-50.03	6
65	MP10	X	-86.66	60
66	MP10	Z	-50.03	60
67	MP12	X	-29	%25
68	MP12	Z	-16.74	%25
69	MP12	X	-76.79	%50
70	MP12	Z	-44.33	%50
71	MP12	X	-61.46	%75
72	MP12	Z	-35.49	%75
73	MP10	X	-57.16	%50
74	MP10	Z	-33	%50
75	MP10	X	-56.57	%75
76	MP10	Z	-32.66	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-85.73	6
2	MP4	Z	0	6
3	MP4	X	-85.73	50
4	MP4	Z	0	50
5	MP3	X	-37.89	6
6	MP3	Z	0	6
7	MP3	X	-37.89	20
8	MP3	Z	0	20
9	MP3	X	-39.43	30
10	MP3	Z	0	30
11	MP3	X	-39.43	60
12	MP3	Z	0	60
13	MP2	X	-67.85	6
14	MP2	Z	0	6
15	MP2	X	-67.85	60
16	MP2	Z	0	60
17	MP4	X	-29.53	%25
18	MP4	Z	0	%25
19	MP4	X	-76.48	%50
20	MP4	Z	0	%50
21	MP4	X	-64.56	%75
22	MP4	Z	0	%75
23	MP2	X	-57.12	%50
24	MP2	Z	0	%50
25	MP2	X	-62.05	%75
26	MP2	Z	0	%75
27	MP8	X	-158.12	6

Member Point Loads (BLC 5 : Wind Load AZI 90) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
28	MP8	Z	0	6
29	MP8	X	-158.12	50
30	MP8	Z	0	50
31	MP7	X	-72.54	6
32	MP7	Z	0	6
33	MP7	X	-72.54	20
34	MP7	Z	0	20
35	MP7	X	-72.44	30
36	MP7	Z	0	30
37	MP7	X	-72.44	60
38	MP7	Z	0	60
39	MP6	X	-164.48	6
40	MP6	Z	0	6
41	MP6	X	-164.48	60
42	MP6	Z	0	60
43	MP8	X	-113.04	%50
44	MP8	Z	0	%50
45	MP8	X	-83.79	%75
46	MP8	Z	0	%75
47	MP6	X	-83.78	%50
48	MP6	Z	0	%50
49	MP6	X	-71.87	%75
50	MP6	Z	0	%75
51	MP12	X	-158.12	6
52	MP12	Z	0	6
53	MP12	X	-158.12	50
54	MP12	Z	0	50
55	MP11	X	-72.54	6
56	MP11	Z	0	6
57	MP11	X	-72.54	20
58	MP11	Z	0	20
59	MP11	X	-72.44	30
60	MP11	Z	0	30
61	MP11	X	-72.44	60
62	MP11	Z	0	60
63	MP10	X	-164.48	6
64	MP10	Z	0	6
65	MP10	X	-164.48	60
66	MP10	Z	0	60
67	MP12	X	-41.4	%25
68	MP12	Z	0	%25
69	MP12	X	-113.04	%50
70	MP12	Z	0	%50
71	MP12	X	-83.79	%75
72	MP12	Z	0	%75
73	MP10	X	-83.78	%50
74	MP10	Z	0	%50
75	MP10	X	-71.87	%75
76	MP10	Z	0	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-95.14	6
2	MP4	Z	54.93	6
3	MP4	X	-95.14	50

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
4	MP4	Z	54.93	50
5	MP3	X	-42.82	6
6	MP3	Z	24.72	6
7	MP3	X	-42.82	20
8	MP3	Z	24.72	20
9	MP3	X	-43.68	30
10	MP3	Z	25.22	30
11	MP3	X	-43.68	60
12	MP3	Z	25.22	60
13	MP2	X	-86.66	6
14	MP2	Z	50.03	6
15	MP2	X	-86.66	60
16	MP2	Z	50.03	60
17	MP4	X	-29	%25
18	MP4	Z	16.74	%25
19	MP4	X	-76.79	%50
20	MP4	Z	44.33	%50
21	MP4	X	-61.46	%75
22	MP4	Z	35.49	%75
23	MP2	X	-57.16	%50
24	MP2	Z	33	%50
25	MP2	X	-56.57	%75
26	MP2	Z	32.66	%75
27	MP8	X	-95.14	6
28	MP8	Z	54.93	6
29	MP8	X	-95.14	50
30	MP8	Z	54.93	50
31	MP7	X	-42.82	6
32	MP7	Z	24.72	6
33	MP7	X	-42.82	20
34	MP7	Z	24.72	20
35	MP7	X	-43.68	30
36	MP7	Z	25.22	30
37	MP7	X	-43.68	60
38	MP7	Z	25.22	60
39	MP6	X	-86.66	6
40	MP6	Z	50.03	6
41	MP6	X	-86.66	60
42	MP6	Z	50.03	60
43	MP8	X	-76.79	%50
44	MP8	Z	44.33	%50
45	MP8	X	-61.46	%75
46	MP8	Z	35.49	%75
47	MP6	X	-57.16	%50
48	MP6	Z	33	%50
49	MP6	X	-56.57	%75
50	MP6	Z	32.66	%75
51	MP12	X	-157.83	6
52	MP12	Z	91.12	6
53	MP12	X	-157.83	50
54	MP12	Z	91.12	50
55	MP11	X	-72.83	6
56	MP11	Z	42.05	6
57	MP11	X	-72.83	20
58	MP11	Z	42.05	20

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
59	MP11	X	-72.26	30
60	MP11	Z	41.72	30
61	MP11	X	-72.26	60
62	MP11	Z	41.72	60
63	MP10	X	-170.33	6
64	MP10	Z	98.34	6
65	MP10	X	-170.33	60
66	MP10	Z	98.34	60
67	MP12	X	-39.28	%25
68	MP12	Z	22.68	%25
69	MP12	X	-108.45	%50
70	MP12	Z	62.61	%50
71	MP12	X	-78.12	%75
72	MP12	Z	45.1	%75
73	MP10	X	-80.25	%50
74	MP10	Z	46.33	%50
75	MP10	X	-65.08	%75
76	MP10	Z	37.57	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-79.06	6
2	MP4	Z	136.93	6
3	MP4	X	-79.06	50
4	MP4	Z	136.93	50
5	MP3	X	-36.27	6
6	MP3	Z	62.82	6
7	MP3	X	-36.27	20
8	MP3	Z	62.82	20
9	MP3	X	-36.22	30
10	MP3	Z	62.73	30
11	MP3	X	-36.22	60
12	MP3	Z	62.73	60
13	MP2	X	-82.24	6
14	MP2	Z	142.44	6
15	MP2	X	-82.24	60
16	MP2	Z	142.44	60
17	MP4	X	-20.7	%25
18	MP4	Z	35.85	%25
19	MP4	X	-56.52	%50
20	MP4	Z	97.89	%50
21	MP4	X	-41.9	%75
22	MP4	Z	72.57	%75
23	MP2	X	-41.89	%50
24	MP2	Z	72.55	%50
25	MP2	X	-35.94	%75
26	MP2	Z	62.24	%75
27	MP8	X	-42.87	6
28	MP8	Z	74.25	6
29	MP8	X	-42.87	50
30	MP8	Z	74.25	50
31	MP7	X	-18.95	6
32	MP7	Z	32.81	6
33	MP7	X	-18.95	20
34	MP7	Z	32.81	20

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
35	MP7	X	-19.71	30
36	MP7	Z	34.15	30
37	MP7	X	-19.71	60
38	MP7	Z	34.15	60
39	MP6	X	-33.93	6
40	MP6	Z	58.76	6
41	MP6	X	-33.93	60
42	MP6	Z	58.76	60
43	MP8	X	-38.24	%50
44	MP8	Z	66.23	%50
45	MP8	X	-32.28	%75
46	MP8	Z	55.91	%75
47	MP6	X	-28.56	%50
48	MP6	Z	49.47	%50
49	MP6	X	-31.03	%75
50	MP6	Z	53.74	%75
51	MP12	X	-79.06	6
52	MP12	Z	136.93	6
53	MP12	X	-79.06	50
54	MP12	Z	136.93	50
55	MP11	X	-36.27	6
56	MP11	Z	62.82	6
57	MP11	X	-36.27	20
58	MP11	Z	62.82	20
59	MP11	X	-36.22	30
60	MP11	Z	62.73	30
61	MP11	X	-36.22	60
62	MP11	Z	62.73	60
63	MP10	X	-82.24	6
64	MP10	Z	142.44	6
65	MP10	X	-82.24	60
66	MP10	Z	142.44	60
67	MP12	X	-20.7	%25
68	MP12	Z	35.85	%25
69	MP12	X	-56.52	%50
70	MP12	Z	97.89	%50
71	MP12	X	-41.9	%75
72	MP12	Z	72.57	%75
73	MP10	X	-41.89	%50
74	MP10	Z	72.55	%50
75	MP10	X	-35.94	%75
76	MP10	Z	62.24	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	0	6
2	MP4	Z	182.24	6
3	MP4	X	0	50
4	MP4	Z	182.24	50
5	MP3	X	0	6
6	MP3	Z	84.09	6
7	MP3	X	0	20
8	MP3	Z	84.09	20
9	MP3	X	0	30
10	MP3	Z	83.44	30

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
11	MP3	X	0	60
12	MP3	Z	83.44	60
13	MP2	X	0	6
14	MP2	Z	196.69	6
15	MP2	X	0	60
16	MP2	Z	196.69	60
17	MP4	X	0	%25
18	MP4	Z	45.36	%25
19	MP4	X	0	%50
20	MP4	Z	125.22	%50
21	MP4	X	0	%75
22	MP4	Z	90.2	%75
23	MP2	X	0	%50
24	MP2	Z	92.67	%50
25	MP2	X	0	%75
26	MP2	Z	75.14	%75
27	MP8	X	0	6
28	MP8	Z	109.86	6
29	MP8	X	0	50
30	MP8	Z	109.86	50
31	MP7	X	0	6
32	MP7	Z	49.44	6
33	MP7	X	0	20
34	MP7	Z	49.44	20
35	MP7	X	0	30
36	MP7	Z	50.43	30
37	MP7	X	0	60
38	MP7	Z	50.43	60
39	MP6	X	0	6
40	MP6	Z	100.06	6
41	MP6	X	0	60
42	MP6	Z	100.06	60
43	MP8	X	0	%50
44	MP8	Z	88.66	%50
45	MP8	X	0	%75
46	MP8	Z	70.97	%75
47	MP6	X	0	%50
48	MP6	Z	66.01	%50
49	MP6	X	0	%75
50	MP6	Z	65.32	%75
51	MP12	X	0	6
52	MP12	Z	109.86	6
53	MP12	X	0	50
54	MP12	Z	109.86	50
55	MP11	X	0	6
56	MP11	Z	49.44	6
57	MP11	X	0	20
58	MP11	Z	49.44	20
59	MP11	X	0	30
60	MP11	Z	50.43	30
61	MP11	X	0	60
62	MP11	Z	50.43	60
63	MP10	X	0	6
64	MP10	Z	100.06	6
65	MP10	X	0	60

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
66	MP10	Z	100.06	60
67	MP12	X	0	%25
68	MP12	Z	33.48	%25
69	MP12	X	0	%50
70	MP12	Z	88.66	%50
71	MP12	X	0	%75
72	MP12	Z	70.97	%75
73	MP10	X	0	%50
74	MP10	Z	66.01	%50
75	MP10	X	0	%75
76	MP10	Z	65.32	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	79.06	6
2	MP4	Z	136.93	6
3	MP4	X	79.06	50
4	MP4	Z	136.93	50
5	MP3	X	36.27	6
6	MP3	Z	62.82	6
7	MP3	X	36.27	20
8	MP3	Z	62.82	20
9	MP3	X	36.22	30
10	MP3	Z	62.73	30
11	MP3	X	36.22	60
12	MP3	Z	62.73	60
13	MP2	X	82.24	6
14	MP2	Z	142.44	6
15	MP2	X	82.24	60
16	MP2	Z	142.44	60
17	MP4	X	20.7	%25
18	MP4	Z	35.85	%25
19	MP4	X	56.52	%50
20	MP4	Z	97.89	%50
21	MP4	X	41.9	%75
22	MP4	Z	72.57	%75
23	MP2	X	41.89	%50
24	MP2	Z	72.55	%50
25	MP2	X	35.94	%75
26	MP2	Z	62.24	%75
27	MP8	X	79.06	6
28	MP8	Z	136.93	6
29	MP8	X	79.06	50
30	MP8	Z	136.93	50
31	MP7	X	36.27	6
32	MP7	Z	62.82	6
33	MP7	X	36.27	20
34	MP7	Z	62.82	20
35	MP7	X	36.22	30
36	MP7	Z	62.73	30
37	MP7	X	36.22	60
38	MP7	Z	62.73	60
39	MP6	X	82.24	6
40	MP6	Z	142.44	6
41	MP6	X	82.24	60

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
42	MP6	Z	142.44	60
43	MP8	X	56.52	%50
44	MP8	Z	97.89	%50
45	MP8	X	41.9	%75
46	MP8	Z	72.57	%75
47	MP6	X	41.89	%50
48	MP6	Z	72.55	%50
49	MP6	X	35.94	%75
50	MP6	Z	62.24	%75
51	MP12	X	42.87	6
52	MP12	Z	74.25	6
53	MP12	X	42.87	50
54	MP12	Z	74.25	50
55	MP11	X	18.95	6
56	MP11	Z	32.81	6
57	MP11	X	18.95	20
58	MP11	Z	32.81	20
59	MP11	X	19.71	30
60	MP11	Z	34.15	30
61	MP11	X	19.71	60
62	MP11	Z	34.15	60
63	MP10	X	33.93	6
64	MP10	Z	58.76	6
65	MP10	X	33.93	60
66	MP10	Z	58.76	60
67	MP12	X	14.76	%25
68	MP12	Z	25.57	%25
69	MP12	X	38.24	%50
70	MP12	Z	66.23	%50
71	MP12	X	32.28	%75
72	MP12	Z	55.91	%75
73	MP10	X	28.56	%50
74	MP10	Z	49.47	%50
75	MP10	X	31.03	%75
76	MP10	Z	53.74	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	95.14	6
2	MP4	Z	54.93	6
3	MP4	X	95.14	50
4	MP4	Z	54.93	50
5	MP3	X	42.82	6
6	MP3	Z	24.72	6
7	MP3	X	42.82	20
8	MP3	Z	24.72	20
9	MP3	X	43.68	30
10	MP3	Z	25.22	30
11	MP3	X	43.68	60
12	MP3	Z	25.22	60
13	MP2	X	86.66	6
14	MP2	Z	50.03	6
15	MP2	X	86.66	60
16	MP2	Z	50.03	60
17	MP4	X	29	%25

Member Point Loads (BLC 10 : Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
18	MP4	Z	16.74	%25
19	MP4	X	76.79	%50
20	MP4	Z	44.33	%50
21	MP4	X	61.46	%75
22	MP4	Z	35.49	%75
23	MP2	X	57.16	%50
24	MP2	Z	33	%50
25	MP2	X	56.57	%75
26	MP2	Z	32.66	%75
27	MP8	X	157.83	6
28	MP8	Z	91.12	6
29	MP8	X	157.83	50
30	MP8	Z	91.12	50
31	MP7	X	72.83	6
32	MP7	Z	42.05	6
33	MP7	X	72.83	20
34	MP7	Z	42.05	20
35	MP7	X	72.26	30
36	MP7	Z	41.72	30
37	MP7	X	72.26	60
38	MP7	Z	41.72	60
39	MP6	X	170.33	6
40	MP6	Z	98.34	6
41	MP6	X	170.33	60
42	MP6	Z	98.34	60
43	MP8	X	108.45	%50
44	MP8	Z	62.61	%50
45	MP8	X	78.12	%75
46	MP8	Z	45.1	%75
47	MP6	X	80.25	%50
48	MP6	Z	46.33	%50
49	MP6	X	65.08	%75
50	MP6	Z	37.57	%75
51	MP12	X	95.14	6
52	MP12	Z	54.93	6
53	MP12	X	95.14	50
54	MP12	Z	54.93	50
55	MP11	X	42.82	6
56	MP11	Z	24.72	6
57	MP11	X	42.82	20
58	MP11	Z	24.72	20
59	MP11	X	43.68	30
60	MP11	Z	25.22	30
61	MP11	X	43.68	60
62	MP11	Z	25.22	60
63	MP10	X	86.66	6
64	MP10	Z	50.03	6
65	MP10	X	86.66	60
66	MP10	Z	50.03	60
67	MP12	X	29	%25
68	MP12	Z	16.74	%25
69	MP12	X	76.79	%50
70	MP12	Z	44.33	%50
71	MP12	X	61.46	%75
72	MP12	Z	35.49	%75

Member Point Loads (BLC 10 : Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
73	MP10	X	57.16	%50
74	MP10	Z	33	%50
75	MP10	X	56.57	%75
76	MP10	Z	32.66	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	85.73	6
2	MP4	Z	0	6
3	MP4	X	85.73	50
4	MP4	Z	0	50
5	MP3	X	37.89	6
6	MP3	Z	0	6
7	MP3	X	37.89	20
8	MP3	Z	0	20
9	MP3	X	39.43	30
10	MP3	Z	0	30
11	MP3	X	39.43	60
12	MP3	Z	0	60
13	MP2	X	67.85	6
14	MP2	Z	0	6
15	MP2	X	67.85	60
16	MP2	Z	0	60
17	MP4	X	29.53	%25
18	MP4	Z	0	%25
19	MP4	X	76.48	%50
20	MP4	Z	0	%50
21	MP4	X	64.56	%75
22	MP4	Z	0	%75
23	MP2	X	57.12	%50
24	MP2	Z	0	%50
25	MP2	X	62.05	%75
26	MP2	Z	0	%75
27	MP8	X	158.12	6
28	MP8	Z	0	6
29	MP8	X	158.12	50
30	MP8	Z	0	50
31	MP7	X	72.54	6
32	MP7	Z	0	6
33	MP7	X	72.54	20
34	MP7	Z	0	20
35	MP7	X	72.44	30
36	MP7	Z	0	30
37	MP7	X	72.44	60
38	MP7	Z	0	60
39	MP6	X	164.48	6
40	MP6	Z	0	6
41	MP6	X	164.48	60
42	MP6	Z	0	60
43	MP8	X	113.04	%50
44	MP8	Z	0	%50
45	MP8	X	83.79	%75
46	MP8	Z	0	%75
47	MP6	X	83.78	%50
48	MP6	Z	0	%50

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
49	MP6	X	71.87	%75
50	MP6	Z	0	%75
51	MP12	X	158.12	6
52	MP12	Z	0	6
53	MP12	X	158.12	50
54	MP12	Z	0	50
55	MP11	X	72.54	6
56	MP11	Z	0	6
57	MP11	X	72.54	20
58	MP11	Z	0	20
59	MP11	X	72.44	30
60	MP11	Z	0	30
61	MP11	X	72.44	60
62	MP11	Z	0	60
63	MP10	X	164.48	6
64	MP10	Z	0	6
65	MP10	X	164.48	60
66	MP10	Z	0	60
67	MP12	X	41.4	%25
68	MP12	Z	0	%25
69	MP12	X	113.04	%50
70	MP12	Z	0	%50
71	MP12	X	83.79	%75
72	MP12	Z	0	%75
73	MP10	X	83.78	%50
74	MP10	Z	0	%50
75	MP10	X	71.87	%75
76	MP10	Z	0	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	95.14	6
2	MP4	Z	-54.93	6
3	MP4	X	95.14	50
4	MP4	Z	-54.93	50
5	MP3	X	42.82	6
6	MP3	Z	-24.72	6
7	MP3	X	42.82	20
8	MP3	Z	-24.72	20
9	MP3	X	43.68	30
10	MP3	Z	-25.22	30
11	MP3	X	43.68	60
12	MP3	Z	-25.22	60
13	MP2	X	86.66	6
14	MP2	Z	-50.03	6
15	MP2	X	86.66	60
16	MP2	Z	-50.03	60
17	MP4	X	29	%25
18	MP4	Z	-16.74	%25
19	MP4	X	76.79	%50
20	MP4	Z	-44.33	%50
21	MP4	X	61.46	%75
22	MP4	Z	-35.49	%75
23	MP2	X	57.16	%50
24	MP2	Z	-33	%50

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
25	MP2	X	56.57	%75
26	MP2	Z	-32.66	%75
27	MP8	X	95.14	6
28	MP8	Z	-54.93	6
29	MP8	X	95.14	50
30	MP8	Z	-54.93	50
31	MP7	X	42.82	6
32	MP7	Z	-24.72	6
33	MP7	X	42.82	20
34	MP7	Z	-24.72	20
35	MP7	X	43.68	30
36	MP7	Z	-25.22	30
37	MP7	X	43.68	60
38	MP7	Z	-25.22	60
39	MP6	X	86.66	6
40	MP6	Z	-50.03	6
41	MP6	X	86.66	60
42	MP6	Z	-50.03	60
43	MP8	X	76.79	%50
44	MP8	Z	-44.33	%50
45	MP8	X	61.46	%75
46	MP8	Z	-35.49	%75
47	MP6	X	57.16	%50
48	MP6	Z	-33	%50
49	MP6	X	56.57	%75
50	MP6	Z	-32.66	%75
51	MP12	X	157.83	6
52	MP12	Z	-91.12	6
53	MP12	X	157.83	50
54	MP12	Z	-91.12	50
55	MP11	X	72.83	6
56	MP11	Z	-42.05	6
57	MP11	X	72.83	20
58	MP11	Z	-42.05	20
59	MP11	X	72.26	30
60	MP11	Z	-41.72	30
61	MP11	X	72.26	60
62	MP11	Z	-41.72	60
63	MP10	X	170.33	6
64	MP10	Z	-98.34	6
65	MP10	X	170.33	60
66	MP10	Z	-98.34	60
67	MP12	X	39.28	%25
68	MP12	Z	-22.68	%25
69	MP12	X	108.45	%50
70	MP12	Z	-62.61	%50
71	MP12	X	78.12	%75
72	MP12	Z	-45.1	%75
73	MP10	X	80.25	%50
74	MP10	Z	-46.33	%50
75	MP10	X	65.08	%75
76	MP10	Z	-37.57	%75

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	79.06	6
2	MP4	Z	-136.93	6
3	MP4	X	79.06	50
4	MP4	Z	-136.93	50
5	MP3	X	36.27	6
6	MP3	Z	-62.82	6
7	MP3	X	36.27	20
8	MP3	Z	-62.82	20
9	MP3	X	36.22	30
10	MP3	Z	-62.73	30
11	MP3	X	36.22	60
12	MP3	Z	-62.73	60
13	MP2	X	82.24	6
14	MP2	Z	-142.44	6
15	MP2	X	82.24	60
16	MP2	Z	-142.44	60
17	MP4	X	20.7	%25
18	MP4	Z	-35.85	%25
19	MP4	X	56.52	%50
20	MP4	Z	-97.89	%50
21	MP4	X	41.9	%75
22	MP4	Z	-72.57	%75
23	MP2	X	41.89	%50
24	MP2	Z	-72.55	%50
25	MP2	X	35.94	%75
26	MP2	Z	-62.24	%75
27	MP8	X	42.87	6
28	MP8	Z	-74.25	6
29	MP8	X	42.87	50
30	MP8	Z	-74.25	50
31	MP7	X	18.95	6
32	MP7	Z	-32.81	6
33	MP7	X	18.95	20
34	MP7	Z	-32.81	20
35	MP7	X	19.71	30
36	MP7	Z	-34.15	30
37	MP7	X	19.71	60
38	MP7	Z	-34.15	60
39	MP6	X	33.93	6
40	MP6	Z	-58.76	6
41	MP6	X	33.93	60
42	MP6	Z	-58.76	60
43	MP8	X	38.24	%50
44	MP8	Z	-66.23	%50
45	MP8	X	32.28	%75
46	MP8	Z	-55.91	%75
47	MP6	X	28.56	%50
48	MP6	Z	-49.47	%50
49	MP6	X	31.03	%75
50	MP6	Z	-53.74	%75
51	MP12	X	79.06	6
52	MP12	Z	-136.93	6
53	MP12	X	79.06	50
54	MP12	Z	-136.93	50
55	MP11	X	36.27	6

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

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
56	MP11	Z	-62.82	6
57	MP11	X	36.27	20
58	MP11	Z	-62.82	20
59	MP11	X	36.22	30
60	MP11	Z	-62.73	30
61	MP11	X	36.22	60
62	MP11	Z	-62.73	60
63	MP10	X	82.24	6
64	MP10	Z	-142.44	6
65	MP10	X	82.24	60
66	MP10	Z	-142.44	60
67	MP12	X	20.7	%25
68	MP12	Z	-35.85	%25
69	MP12	X	56.52	%50
70	MP12	Z	-97.89	%50
71	MP12	X	41.9	%75
72	MP12	Z	-72.57	%75
73	MP10	X	41.89	%50
74	MP10	Z	-72.55	%50
75	MP10	X	35.94	%75
76	MP10	Z	-62.24	%75

Member Point Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	Y	-68.754	6
2	MP4	Y	-68.754	50
3	MP3	Y	-31.787	6
4	MP3	Y	-31.787	20
5	MP3	Y	-36.726	30
6	MP3	Y	-36.726	60
7	MP2	Y	-71.822	6
8	MP2	Y	-71.822	60
9	MP4	Y	-25.364	%25
10	MP4	Y	-53.209	%50
11	MP4	Y	-46.796	%75
12	MP2	Y	-44.663	%50
13	MP2	Y	-44.551	%75
14	MP8	Y	-68.754	6
15	MP8	Y	-68.754	50
16	MP7	Y	-31.787	6
17	MP7	Y	-31.787	20
18	MP7	Y	-36.726	30
19	MP7	Y	-36.726	60
20	MP6	Y	-71.822	6
21	MP6	Y	-71.822	60
22	MP8	Y	-53.209	%50
23	MP8	Y	-46.796	%75
24	MP6	Y	-44.663	%50
25	MP6	Y	-44.551	%75
26	MP12	Y	-68.754	6
27	MP12	Y	-68.754	50
28	MP11	Y	-31.787	6
29	MP11	Y	-31.787	20
30	MP11	Y	-36.726	30
31	MP11	Y	-36.726	60

Member Point Loads (BLC 16 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
32	MP10	Y	-71.822	6
33	MP10	Y	-71.822	60
34	MP12	Y	-25.364	%25
35	MP12	Y	-53.209	%50
36	MP12	Y	-46.796	%75
37	MP10	Y	-44.663	%50
38	MP10	Y	-44.551	%75

Member Point Loads (BLC 17 : Ice Wind Load AZI 0)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	0	6
2	MP4	Z	-14.73	6
3	MP4	X	0	50
4	MP4	Z	-14.73	50
5	MP3	X	0	6
6	MP3	Z	-6.95	6
7	MP3	X	0	20
8	MP3	Z	-6.95	20
9	MP3	X	0	30
10	MP3	Z	-7.56	30
11	MP3	X	0	60
12	MP3	Z	-7.56	60
13	MP2	X	0	6
14	MP2	Z	-17.6	6
15	MP2	X	0	60
16	MP2	Z	-17.6	60
17	MP4	X	0	%25
18	MP4	Z	-4.95	%25
19	MP4	X	0	%50
20	MP4	Z	-11.43	%50
21	MP4	X	0	%75
22	MP4	Z	-8.14	%75
23	MP2	X	0	%50
24	MP2	Z	-8.28	%50
25	MP2	X	0	%75
26	MP2	Z	-6.94	%75
27	MP8	X	0	6
28	MP8	Z	-10.79	6
29	MP8	X	0	50
30	MP8	Z	-10.79	50
31	MP7	X	0	6
32	MP7	Z	-5.29	6
33	MP7	X	0	20
34	MP7	Z	-5.29	20
35	MP7	X	0	30
36	MP7	Z	-6.01	30
37	MP7	X	0	60
38	MP7	Z	-6.01	60
39	MP6	X	0	6
40	MP6	Z	-12.49	6
41	MP6	X	0	60
42	MP6	Z	-12.49	60
43	MP8	X	0	%50
44	MP8	Z	-9.87	%50
45	MP8	X	0	%75

Member Point Loads (BLC 17 : Ice Wind Load AZI 0) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
46	MP8	Z	-7.33	%75
47	MP6	X	0	%50
48	MP6	Z	-7.13	%50
49	MP6	X	0	%75
50	MP6	Z	-6.52	%75
51	MP12	X	0	6
52	MP12	Z	-10.79	6
53	MP12	X	0	50
54	MP12	Z	-10.79	50
55	MP11	X	0	6
56	MP11	Z	-5.29	6
57	MP11	X	0	20
58	MP11	Z	-5.29	20
59	MP11	X	0	30
60	MP11	Z	-6.01	30
61	MP11	X	0	60
62	MP11	Z	-6.01	60
63	MP10	X	0	6
64	MP10	Z	-12.49	6
65	MP10	X	0	60
66	MP10	Z	-12.49	60
67	MP12	X	0	%25
68	MP12	Z	-4.36	%25
69	MP12	X	0	%50
70	MP12	Z	-9.87	%50
71	MP12	X	0	%75
72	MP12	Z	-7.33	%75
73	MP10	X	0	%50
74	MP10	Z	-7.13	%50
75	MP10	X	0	%75
76	MP10	Z	-6.52	%75

Member Point Loads (BLC 18 : Ice Wind Load AZI 30)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-6.71	6
2	MP4	Z	-11.62	6
3	MP4	X	-6.71	50
4	MP4	Z	-11.62	50
5	MP3	X	-3.2	6
6	MP3	Z	-5.54	6
7	MP3	X	-3.2	20
8	MP3	Z	-5.54	20
9	MP3	X	-3.52	30
10	MP3	Z	-6.1	30
11	MP3	X	-3.52	60
12	MP3	Z	-6.1	60
13	MP2	X	-7.95	6
14	MP2	Z	-13.77	6
15	MP2	X	-7.95	60
16	MP2	Z	-13.77	60
17	MP4	X	-2.38	%25
18	MP4	Z	-4.12	%25
19	MP4	X	-5.46	%50
20	MP4	Z	-9.45	%50
21	MP4	X	-3.94	%75

Member Point Loads (BLC 18 : Ice Wind Load AZI 30) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
22	MP4	Z	-6.82	%75
23	MP2	X	-3.95	%50
24	MP2	Z	-6.84	%50
25	MP2	X	-3.4	%75
26	MP2	Z	-5.89	%75
27	MP8	X	-6.71	6
28	MP8	Z	-11.62	6
29	MP8	X	-6.71	50
30	MP8	Z	-11.62	50
31	MP7	X	-3.2	6
32	MP7	Z	-5.54	6
33	MP7	X	-3.2	20
34	MP7	Z	-5.54	20
35	MP7	X	-3.52	30
36	MP7	Z	-6.1	30
37	MP7	X	-3.52	60
38	MP7	Z	-6.1	60
39	MP6	X	-7.95	6
40	MP6	Z	-13.77	6
41	MP6	X	-7.95	60
42	MP6	Z	-13.77	60
43	MP8	X	-5.46	%50
44	MP8	Z	-9.45	%50
45	MP8	X	-3.94	%75
46	MP8	Z	-6.82	%75
47	MP6	X	-3.95	%50
48	MP6	Z	-6.84	%50
49	MP6	X	-3.4	%75
50	MP6	Z	-5.89	%75
51	MP12	X	-4.74	6
52	MP12	Z	-8.2	6
53	MP12	X	-4.74	50
54	MP12	Z	-8.2	50
55	MP11	X	-2.37	6
56	MP11	Z	-4.1	6
57	MP11	X	-2.37	20
58	MP11	Z	-4.1	20
59	MP11	X	-2.74	30
60	MP11	Z	-4.75	30
61	MP11	X	-2.74	60
62	MP11	Z	-4.75	60
63	MP10	X	-5.39	6
64	MP10	Z	-9.34	6
65	MP10	X	-5.39	60
66	MP10	Z	-9.34	60
67	MP12	X	-2.08	%25
68	MP12	Z	-3.6	%25
69	MP12	X	-4.68	%50
70	MP12	Z	-8.1	%50
71	MP12	X	-3.53	%75
72	MP12	Z	-6.11	%75
73	MP10	X	-3.38	%50
74	MP10	Z	-5.85	%50
75	MP10	X	-3.19	%75
76	MP10	Z	-5.53	%75

Company :Infinigy Engineering, PLLC
Designer :LP
Job Number :1039-Z0001-B
Model Name:873633

9/3/2021
9:42:38 AM
Checked By : KCD

Member Point Loads (BLC 18 : Ice Wind Load AZI 30) (Continued)

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

Member Point Loads (BLC 19 : Ice Wind Load AZI 60)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-9.34	6
2	MP4	Z	-5.39	6
3	MP4	X	-9.34	50
4	MP4	Z	-5.39	50
5	MP3	X	-4.58	6
6	MP3	Z	-2.65	6
7	MP3	X	-4.58	20
8	MP3	Z	-2.65	20
9	MP3	X	-5.2	30
10	MP3	Z	-3	30
11	MP3	X	-5.2	60
12	MP3	Z	-3	60
13	MP2	X	-10.82	6
14	MP2	Z	-6.24	6
15	MP2	X	-10.82	60
16	MP2	Z	-6.24	60
17	MP4	X	-3.78	%25
18	MP4	Z	-2.18	%25
19	MP4	X	-8.55	%50
20	MP4	Z	-4.94	%50
21	MP4	X	-6.35	%75
22	MP4	Z	-3.67	%75
23	MP2	X	-6.18	%50
24	MP2	Z	-3.57	%50
25	MP2	X	-5.65	%75
26	MP2	Z	-3.26	%75
27	MP8	X	-12.76	6
28	MP8	Z	-7.37	6
29	MP8	X	-12.76	50
30	MP8	Z	-7.37	50
31	MP7	X	-6.02	6
32	MP7	Z	-3.48	6
33	MP7	X	-6.02	20
34	MP7	Z	-3.48	20
35	MP7	X	-6.55	30
36	MP7	Z	-3.78	30
37	MP7	X	-6.55	60
38	MP7	Z	-3.78	60
39	MP6	X	-15.24	6
40	MP6	Z	-8.8	6
41	MP6	X	-15.24	60
42	MP6	Z	-8.8	60
43	MP8	X	-9.9	%50
44	MP8	Z	-5.72	%50
45	MP8	X	-7.05	%75
46	MP8	Z	-4.07	%75
47	MP6	X	-7.17	%50
48	MP6	Z	-4.14	%50
49	MP6	X	-6.01	%75
50	MP6	Z	-3.47	%75
51	MP12	X	-9.34	6
52	MP12	Z	-5.39	6
53	MP12	X	-9.34	50
54	MP12	Z	-5.39	50
55	MP11	X	-4.58	6

Member Point Loads (BLC 19 : Ice Wind Load AZI 60) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
56	MP11	Z	-2.65	6
57	MP11	X	-4.58	20
58	MP11	Z	-2.65	20
59	MP11	X	-5.2	30
60	MP11	Z	-3	30
61	MP11	X	-5.2	60
62	MP11	Z	-3	60
63	MP10	X	-10.82	6
64	MP10	Z	-6.24	6
65	MP10	X	-10.82	60
66	MP10	Z	-6.24	60
67	MP12	X	-3.78	%25
68	MP12	Z	-2.18	%25
69	MP12	X	-8.55	%50
70	MP12	Z	-4.94	%50
71	MP12	X	-6.35	%75
72	MP12	Z	-3.67	%75
73	MP10	X	-6.18	%50
74	MP10	Z	-3.57	%50
75	MP10	X	-5.65	%75
76	MP10	Z	-3.26	%75

Member Point Loads (BLC 20 : Ice Wind Load AZI 90)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-9.47	6
2	MP4	Z	0	6
3	MP4	X	-9.47	50
4	MP4	Z	0	50
5	MP3	X	-4.74	6
6	MP3	Z	0	6
7	MP3	X	-4.74	20
8	MP3	Z	0	20
9	MP3	X	-5.49	30
10	MP3	Z	0	30
11	MP3	X	-5.49	60
12	MP3	Z	0	60
13	MP2	X	-10.78	6
14	MP2	Z	0	6
15	MP2	X	-10.78	60
16	MP2	Z	0	60
17	MP4	X	-4.16	%25
18	MP4	Z	0	%25
19	MP4	X	-9.35	%50
20	MP4	Z	0	%50
21	MP4	X	-7.06	%75
22	MP4	Z	0	%75
23	MP2	X	-6.75	%50
24	MP2	Z	0	%50
25	MP2	X	-6.39	%75
26	MP2	Z	0	%75
27	MP8	X	-13.42	6
28	MP8	Z	0	6
29	MP8	X	-13.42	50
30	MP8	Z	0	50
31	MP7	X	-6.4	6

Member Point Loads (BLC 20 : Ice Wind Load AZI 90) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
32	MP7	Z	0	6
33	MP7	X	-6.4	20
34	MP7	Z	0	20
35	MP7	X	-7.04	30
36	MP7	Z	0	30
37	MP7	X	-7.04	60
38	MP7	Z	0	60
39	MP6	X	-15.9	6
40	MP6	Z	0	6
41	MP6	X	-15.9	60
42	MP6	Z	0	60
43	MP8	X	-10.91	%50
44	MP8	Z	0	%50
45	MP8	X	-7.87	%75
46	MP8	Z	0	%75
47	MP6	X	-7.9	%50
48	MP6	Z	0	%50
49	MP6	X	-6.8	%75
50	MP6	Z	0	%75
51	MP12	X	-13.42	6
52	MP12	Z	0	6
53	MP12	X	-13.42	50
54	MP12	Z	0	50
55	MP11	X	-6.4	6
56	MP11	Z	0	6
57	MP11	X	-6.4	20
58	MP11	Z	0	20
59	MP11	X	-7.04	30
60	MP11	Z	0	30
61	MP11	X	-7.04	60
62	MP11	Z	0	60
63	MP10	X	-15.9	6
64	MP10	Z	0	6
65	MP10	X	-15.9	60
66	MP10	Z	0	60
67	MP12	X	-4.75	%25
68	MP12	Z	0	%25
69	MP12	X	-10.91	%50
70	MP12	Z	0	%50
71	MP12	X	-7.87	%75
72	MP12	Z	0	%75
73	MP10	X	-7.9	%50
74	MP10	Z	0	%50
75	MP10	X	-6.8	%75
76	MP10	Z	0	%75

Member Point Loads (BLC 21 : Ice Wind Load AZI 120)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-9.34	6
2	MP4	Z	5.39	6
3	MP4	X	-9.34	50
4	MP4	Z	5.39	50
5	MP3	X	-4.58	6
6	MP3	Z	2.65	6
7	MP3	X	-4.58	20

Member Point Loads (BLC 21 : Ice Wind Load AZI 120) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
8	MP3	Z	2.65	20
9	MP3	X	-5.2	30
10	MP3	Z	3	30
11	MP3	X	-5.2	60
12	MP3	Z	3	60
13	MP2	X	-10.82	6
14	MP2	Z	6.24	6
15	MP2	X	-10.82	60
16	MP2	Z	6.24	60
17	MP4	X	-3.78	%25
18	MP4	Z	2.18	%25
19	MP4	X	-8.55	%50
20	MP4	Z	4.94	%50
21	MP4	X	-6.35	%75
22	MP4	Z	3.67	%75
23	MP2	X	-6.18	%50
24	MP2	Z	3.57	%50
25	MP2	X	-5.65	%75
26	MP2	Z	3.26	%75
27	MP8	X	-9.34	6
28	MP8	Z	5.39	6
29	MP8	X	-9.34	50
30	MP8	Z	5.39	50
31	MP7	X	-4.58	6
32	MP7	Z	2.65	6
33	MP7	X	-4.58	20
34	MP7	Z	2.65	20
35	MP7	X	-5.2	30
36	MP7	Z	3	30
37	MP7	X	-5.2	60
38	MP7	Z	3	60
39	MP6	X	-10.82	6
40	MP6	Z	6.24	6
41	MP6	X	-10.82	60
42	MP6	Z	6.24	60
43	MP8	X	-8.55	%50
44	MP8	Z	4.94	%50
45	MP8	X	-6.35	%75
46	MP8	Z	3.67	%75
47	MP6	X	-6.18	%50
48	MP6	Z	3.57	%50
49	MP6	X	-5.65	%75
50	MP6	Z	3.26	%75
51	MP12	X	-12.76	6
52	MP12	Z	7.37	6
53	MP12	X	-12.76	50
54	MP12	Z	7.37	50
55	MP11	X	-6.02	6
56	MP11	Z	3.48	6
57	MP11	X	-6.02	20
58	MP11	Z	3.48	20
59	MP11	X	-6.55	30
60	MP11	Z	3.78	30
61	MP11	X	-6.55	60
62	MP11	Z	3.78	60

Member Point Loads (BLC 21 : Ice Wind Load AZI 120) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
63	MP10	X	-15.24	6
64	MP10	Z	8.8	6
65	MP10	X	-15.24	60
66	MP10	Z	8.8	60
67	MP12	X	-4.29	%25
68	MP12	Z	2.48	%25
69	MP12	X	-9.9	%50
70	MP12	Z	5.72	%50
71	MP12	X	-7.05	%75
72	MP12	Z	4.07	%75
73	MP10	X	-7.17	%50
74	MP10	Z	4.14	%50
75	MP10	X	-6.01	%75
76	MP10	Z	3.47	%75

Member Point Loads (BLC 22 : Ice Wind Load AZI 150)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-6.71	6
2	MP4	Z	11.62	6
3	MP4	X	-6.71	50
4	MP4	Z	11.62	50
5	MP3	X	-3.2	6
6	MP3	Z	5.54	6
7	MP3	X	-3.2	20
8	MP3	Z	5.54	20
9	MP3	X	-3.52	30
10	MP3	Z	6.1	30
11	MP3	X	-3.52	60
12	MP3	Z	6.1	60
13	MP2	X	-7.95	6
14	MP2	Z	13.77	6
15	MP2	X	-7.95	60
16	MP2	Z	13.77	60
17	MP4	X	-2.38	%25
18	MP4	Z	4.12	%25
19	MP4	X	-5.46	%50
20	MP4	Z	9.45	%50
21	MP4	X	-3.94	%75
22	MP4	Z	6.82	%75
23	MP2	X	-3.95	%50
24	MP2	Z	6.84	%50
25	MP2	X	-3.4	%75
26	MP2	Z	5.89	%75
27	MP8	X	-4.74	6
28	MP8	Z	8.2	6
29	MP8	X	-4.74	50
30	MP8	Z	8.2	50
31	MP7	X	-2.37	6
32	MP7	Z	4.1	6
33	MP7	X	-2.37	20
34	MP7	Z	4.1	20
35	MP7	X	-2.74	30
36	MP7	Z	4.75	30
37	MP7	X	-2.74	60
38	MP7	Z	4.75	60

Member Point Loads (BLC 22 : Ice Wind Load AZI 150) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
39	MP6	X	-5.39	6
40	MP6	Z	9.34	6
41	MP6	X	-5.39	60
42	MP6	Z	9.34	60
43	MP8	X	-4.68	%50
44	MP8	Z	8.1	%50
45	MP8	X	-3.53	%75
46	MP8	Z	6.11	%75
47	MP6	X	-3.38	%50
48	MP6	Z	5.85	%50
49	MP6	X	-3.19	%75
50	MP6	Z	5.53	%75
51	MP12	X	-6.71	6
52	MP12	Z	11.62	6
53	MP12	X	-6.71	50
54	MP12	Z	11.62	50
55	MP11	X	-3.2	6
56	MP11	Z	5.54	6
57	MP11	X	-3.2	20
58	MP11	Z	5.54	20
59	MP11	X	-3.52	30
60	MP11	Z	6.1	30
61	MP11	X	-3.52	60
62	MP11	Z	6.1	60
63	MP10	X	-7.95	6
64	MP10	Z	13.77	6
65	MP10	X	-7.95	60
66	MP10	Z	13.77	60
67	MP12	X	-2.38	%25
68	MP12	Z	4.12	%25
69	MP12	X	-5.46	%50
70	MP12	Z	9.45	%50
71	MP12	X	-3.94	%75
72	MP12	Z	6.82	%75
73	MP10	X	-3.95	%50
74	MP10	Z	6.84	%50
75	MP10	X	-3.4	%75
76	MP10	Z	5.89	%75

Member Point Loads (BLC 23 : Ice Wind Load AZI 180)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	0	6
2	MP4	Z	14.73	6
3	MP4	X	0	50
4	MP4	Z	14.73	50
5	MP3	X	0	6
6	MP3	Z	6.95	6
7	MP3	X	0	20
8	MP3	Z	6.95	20
9	MP3	X	0	30
10	MP3	Z	7.56	30
11	MP3	X	0	60
12	MP3	Z	7.56	60
13	MP2	X	0	6
14	MP2	Z	17.6	6

Member Point Loads (BLC 23 : Ice Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
15	MP2	X	0	60
16	MP2	Z	17.6	60
17	MP4	X	0	%25
18	MP4	Z	4.95	%25
19	MP4	X	0	%50
20	MP4	Z	11.43	%50
21	MP4	X	0	%75
22	MP4	Z	8.14	%75
23	MP2	X	0	%50
24	MP2	Z	8.28	%50
25	MP2	X	0	%75
26	MP2	Z	6.94	%75
27	MP8	X	0	6
28	MP8	Z	10.79	6
29	MP8	X	0	50
30	MP8	Z	10.79	50
31	MP7	X	0	6
32	MP7	Z	5.29	6
33	MP7	X	0	20
34	MP7	Z	5.29	20
35	MP7	X	0	30
36	MP7	Z	6.01	30
37	MP7	X	0	60
38	MP7	Z	6.01	60
39	MP6	X	0	6
40	MP6	Z	12.49	6
41	MP6	X	0	60
42	MP6	Z	12.49	60
43	MP8	X	0	%50
44	MP8	Z	9.87	%50
45	MP8	X	0	%75
46	MP8	Z	7.33	%75
47	MP6	X	0	%50
48	MP6	Z	7.13	%50
49	MP6	X	0	%75
50	MP6	Z	6.52	%75
51	MP12	X	0	6
52	MP12	Z	10.79	6
53	MP12	X	0	50
54	MP12	Z	10.79	50
55	MP11	X	0	6
56	MP11	Z	5.29	6
57	MP11	X	0	20
58	MP11	Z	5.29	20
59	MP11	X	0	30
60	MP11	Z	6.01	30
61	MP11	X	0	60
62	MP11	Z	6.01	60
63	MP10	X	0	6
64	MP10	Z	12.49	6
65	MP10	X	0	60
66	MP10	Z	12.49	60
67	MP12	X	0	%25
68	MP12	Z	4.36	%25
69	MP12	X	0	%50

Member Point Loads (BLC 23 : Ice Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
70	MP12	Z	9.87	%50
71	MP12	X	0	%75
72	MP12	Z	7.33	%75
73	MP10	X	0	%50
74	MP10	Z	7.13	%50
75	MP10	X	0	%75
76	MP10	Z	6.52	%75

Member Point Loads (BLC 24 : Ice Wind Load AZI 210)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	6.71	6
2	MP4	Z	11.62	6
3	MP4	X	6.71	50
4	MP4	Z	11.62	50
5	MP3	X	3.2	6
6	MP3	Z	5.54	6
7	MP3	X	3.2	20
8	MP3	Z	5.54	20
9	MP3	X	3.52	30
10	MP3	Z	6.1	30
11	MP3	X	3.52	60
12	MP3	Z	6.1	60
13	MP2	X	7.95	6
14	MP2	Z	13.77	6
15	MP2	X	7.95	60
16	MP2	Z	13.77	60
17	MP4	X	2.38	%25
18	MP4	Z	4.12	%25
19	MP4	X	5.46	%50
20	MP4	Z	9.45	%50
21	MP4	X	3.94	%75
22	MP4	Z	6.82	%75
23	MP2	X	3.95	%50
24	MP2	Z	6.84	%50
25	MP2	X	3.4	%75
26	MP2	Z	5.89	%75
27	MP8	X	6.71	6
28	MP8	Z	11.62	6
29	MP8	X	6.71	50
30	MP8	Z	11.62	50
31	MP7	X	3.2	6
32	MP7	Z	5.54	6
33	MP7	X	3.2	20
34	MP7	Z	5.54	20
35	MP7	X	3.52	30
36	MP7	Z	6.1	30
37	MP7	X	3.52	60
38	MP7	Z	6.1	60
39	MP6	X	7.95	6
40	MP6	Z	13.77	6
41	MP6	X	7.95	60
42	MP6	Z	13.77	60
43	MP8	X	5.46	%50
44	MP8	Z	9.45	%50
45	MP8	X	3.94	%75

Member Point Loads (BLC 24 : Ice Wind Load AZI 210) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
46	MP8	Z	6.82	%75
47	MP6	X	3.95	%50
48	MP6	Z	6.84	%50
49	MP6	X	3.4	%75
50	MP6	Z	5.89	%75
51	MP12	X	4.74	6
52	MP12	Z	8.2	6
53	MP12	X	4.74	50
54	MP12	Z	8.2	50
55	MP11	X	2.37	6
56	MP11	Z	4.1	6
57	MP11	X	2.37	20
58	MP11	Z	4.1	20
59	MP11	X	2.74	30
60	MP11	Z	4.75	30
61	MP11	X	2.74	60
62	MP11	Z	4.75	60
63	MP10	X	5.39	6
64	MP10	Z	9.34	6
65	MP10	X	5.39	60
66	MP10	Z	9.34	60
67	MP12	X	2.08	%25
68	MP12	Z	3.6	%25
69	MP12	X	4.68	%50
70	MP12	Z	8.1	%50
71	MP12	X	3.53	%75
72	MP12	Z	6.11	%75
73	MP10	X	3.38	%50
74	MP10	Z	5.85	%50
75	MP10	X	3.19	%75
76	MP10	Z	5.53	%75

Member Point Loads (BLC 25 : Ice Wind Load AZI 240)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	9.34	6
2	MP4	Z	5.39	6
3	MP4	X	9.34	50
4	MP4	Z	5.39	50
5	MP3	X	4.58	6
6	MP3	Z	2.65	6
7	MP3	X	4.58	20
8	MP3	Z	2.65	20
9	MP3	X	5.2	30
10	MP3	Z	3	30
11	MP3	X	5.2	60
12	MP3	Z	3	60
13	MP2	X	10.82	6
14	MP2	Z	6.24	6
15	MP2	X	10.82	60
16	MP2	Z	6.24	60
17	MP4	X	3.78	%25
18	MP4	Z	2.18	%25
19	MP4	X	8.55	%50
20	MP4	Z	4.94	%50
21	MP4	X	6.35	%75

Member Point Loads (BLC 25 : Ice Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
22	MP4	Z	3.67	%75
23	MP2	X	6.18	%50
24	MP2	Z	3.57	%50
25	MP2	X	5.65	%75
26	MP2	Z	3.26	%75
27	MP8	X	12.76	6
28	MP8	Z	7.37	6
29	MP8	X	12.76	50
30	MP8	Z	7.37	50
31	MP7	X	6.02	6
32	MP7	Z	3.48	6
33	MP7	X	6.02	20
34	MP7	Z	3.48	20
35	MP7	X	6.55	30
36	MP7	Z	3.78	30
37	MP7	X	6.55	60
38	MP7	Z	3.78	60
39	MP6	X	15.24	6
40	MP6	Z	8.8	6
41	MP6	X	15.24	60
42	MP6	Z	8.8	60
43	MP8	X	9.9	%50
44	MP8	Z	5.72	%50
45	MP8	X	7.05	%75
46	MP8	Z	4.07	%75
47	MP6	X	7.17	%50
48	MP6	Z	4.14	%50
49	MP6	X	6.01	%75
50	MP6	Z	3.47	%75
51	MP12	X	9.34	6
52	MP12	Z	5.39	6
53	MP12	X	9.34	50
54	MP12	Z	5.39	50
55	MP11	X	4.58	6
56	MP11	Z	2.65	6
57	MP11	X	4.58	20
58	MP11	Z	2.65	20
59	MP11	X	5.2	30
60	MP11	Z	3	30
61	MP11	X	5.2	60
62	MP11	Z	3	60
63	MP10	X	10.82	6
64	MP10	Z	6.24	6
65	MP10	X	10.82	60
66	MP10	Z	6.24	60
67	MP12	X	3.78	%25
68	MP12	Z	2.18	%25
69	MP12	X	8.55	%50
70	MP12	Z	4.94	%50
71	MP12	X	6.35	%75
72	MP12	Z	3.67	%75
73	MP10	X	6.18	%50
74	MP10	Z	3.57	%50
75	MP10	X	5.65	%75
76	MP10	Z	3.26	%75

Company :Infinigy Engineering, PLLC
Designer :LP
Job Number :1039-Z0001-B
Model Name:873633

9/3/2021
9:42:38 AM
Checked By : KCD

Member Point Loads (BLC 25 : Ice Wind Load AZI 240) (Continued)

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

Member Point Loads (BLC 26 : Ice Wind Load AZI 270)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	9.47	6
2	MP4	Z	0	6
3	MP4	X	9.47	50
4	MP4	Z	0	50
5	MP3	X	4.74	6
6	MP3	Z	0	6
7	MP3	X	4.74	20
8	MP3	Z	0	20
9	MP3	X	5.49	30
10	MP3	Z	0	30
11	MP3	X	5.49	60
12	MP3	Z	0	60
13	MP2	X	10.78	6
14	MP2	Z	0	6
15	MP2	X	10.78	60
16	MP2	Z	0	60
17	MP4	X	4.16	%25
18	MP4	Z	0	%25
19	MP4	X	9.35	%50
20	MP4	Z	0	%50
21	MP4	X	7.06	%75
22	MP4	Z	0	%75
23	MP2	X	6.75	%50
24	MP2	Z	0	%50
25	MP2	X	6.39	%75
26	MP2	Z	0	%75
27	MP8	X	13.42	6
28	MP8	Z	0	6
29	MP8	X	13.42	50
30	MP8	Z	0	50
31	MP7	X	6.4	6
32	MP7	Z	0	6
33	MP7	X	6.4	20
34	MP7	Z	0	20
35	MP7	X	7.04	30
36	MP7	Z	0	30
37	MP7	X	7.04	60
38	MP7	Z	0	60
39	MP6	X	15.9	6
40	MP6	Z	0	6
41	MP6	X	15.9	60
42	MP6	Z	0	60
43	MP8	X	10.91	%50
44	MP8	Z	0	%50
45	MP8	X	7.87	%75
46	MP8	Z	0	%75
47	MP6	X	7.9	%50
48	MP6	Z	0	%50
49	MP6	X	6.8	%75
50	MP6	Z	0	%75
51	MP12	X	13.42	6
52	MP12	Z	0	6
53	MP12	X	13.42	50
54	MP12	Z	0	50
55	MP11	X	6.4	6

Member Point Loads (BLC 26 : Ice Wind Load AZI 270) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
56	MP11	Z	0	6
57	MP11	X	6.4	20
58	MP11	Z	0	20
59	MP11	X	7.04	30
60	MP11	Z	0	30
61	MP11	X	7.04	60
62	MP11	Z	0	60
63	MP10	X	15.9	6
64	MP10	Z	0	6
65	MP10	X	15.9	60
66	MP10	Z	0	60
67	MP12	X	4.75	%25
68	MP12	Z	0	%25
69	MP12	X	10.91	%50
70	MP12	Z	0	%50
71	MP12	X	7.87	%75
72	MP12	Z	0	%75
73	MP10	X	7.9	%50
74	MP10	Z	0	%50
75	MP10	X	6.8	%75
76	MP10	Z	0	%75

Member Point Loads (BLC 27 : Ice Wind Load AZI 300)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	9.34	6
2	MP4	Z	-5.39	6
3	MP4	X	9.34	50
4	MP4	Z	-5.39	50
5	MP3	X	4.58	6
6	MP3	Z	-2.65	6
7	MP3	X	4.58	20
8	MP3	Z	-2.65	20
9	MP3	X	5.2	30
10	MP3	Z	-3	30
11	MP3	X	5.2	60
12	MP3	Z	-3	60
13	MP2	X	10.82	6
14	MP2	Z	-6.24	6
15	MP2	X	10.82	60
16	MP2	Z	-6.24	60
17	MP4	X	3.78	%25
18	MP4	Z	-2.18	%25
19	MP4	X	8.55	%50
20	MP4	Z	-4.94	%50
21	MP4	X	6.35	%75
22	MP4	Z	-3.67	%75
23	MP2	X	6.18	%50
24	MP2	Z	-3.57	%50
25	MP2	X	5.65	%75
26	MP2	Z	-3.26	%75
27	MP8	X	9.34	6
28	MP8	Z	-5.39	6
29	MP8	X	9.34	50
30	MP8	Z	-5.39	50
31	MP7	X	4.58	6

Member Point Loads (BLC 27 : Ice Wind Load AZI 300) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
32	MP7	Z	-2.65	6
33	MP7	X	4.58	20
34	MP7	Z	-2.65	20
35	MP7	X	5.2	30
36	MP7	Z	-3	30
37	MP7	X	5.2	60
38	MP7	Z	-3	60
39	MP6	X	10.82	6
40	MP6	Z	-6.24	6
41	MP6	X	10.82	60
42	MP6	Z	-6.24	60
43	MP8	X	8.55	%50
44	MP8	Z	-4.94	%50
45	MP8	X	6.35	%75
46	MP8	Z	-3.67	%75
47	MP6	X	6.18	%50
48	MP6	Z	-3.57	%50
49	MP6	X	5.65	%75
50	MP6	Z	-3.26	%75
51	MP12	X	12.76	6
52	MP12	Z	-7.37	6
53	MP12	X	12.76	50
54	MP12	Z	-7.37	50
55	MP11	X	6.02	6
56	MP11	Z	-3.48	6
57	MP11	X	6.02	20
58	MP11	Z	-3.48	20
59	MP11	X	6.55	30
60	MP11	Z	-3.78	30
61	MP11	X	6.55	60
62	MP11	Z	-3.78	60
63	MP10	X	15.24	6
64	MP10	Z	-8.8	6
65	MP10	X	15.24	60
66	MP10	Z	-8.8	60
67	MP12	X	4.29	%25
68	MP12	Z	-2.48	%25
69	MP12	X	9.9	%50
70	MP12	Z	-5.72	%50
71	MP12	X	7.05	%75
72	MP12	Z	-4.07	%75
73	MP10	X	7.17	%50
74	MP10	Z	-4.14	%50
75	MP10	X	6.01	%75
76	MP10	Z	-3.47	%75

Member Point Loads (BLC 28 : Ice Wind Load AZI 330)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	6.71	6
2	MP4	Z	-11.62	6
3	MP4	X	6.71	50
4	MP4	Z	-11.62	50
5	MP3	X	3.2	6
6	MP3	Z	-5.54	6
7	MP3	X	3.2	20

Member Point Loads (BLC 28 : Ice Wind Load AZI 330) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
8	MP3	Z	-5.54	20
9	MP3	X	3.52	30
10	MP3	Z	-6.1	30
11	MP3	X	3.52	60
12	MP3	Z	-6.1	60
13	MP2	X	7.95	6
14	MP2	Z	-13.77	6
15	MP2	X	7.95	60
16	MP2	Z	-13.77	60
17	MP4	X	2.38	%25
18	MP4	Z	-4.12	%25
19	MP4	X	5.46	%50
20	MP4	Z	-9.45	%50
21	MP4	X	3.94	%75
22	MP4	Z	-6.82	%75
23	MP2	X	3.95	%50
24	MP2	Z	-6.84	%50
25	MP2	X	3.4	%75
26	MP2	Z	-5.89	%75
27	MP8	X	4.74	6
28	MP8	Z	-8.2	6
29	MP8	X	4.74	50
30	MP8	Z	-8.2	50
31	MP7	X	2.37	6
32	MP7	Z	-4.1	6
33	MP7	X	2.37	20
34	MP7	Z	-4.1	20
35	MP7	X	2.74	30
36	MP7	Z	-4.75	30
37	MP7	X	2.74	60
38	MP7	Z	-4.75	60
39	MP6	X	5.39	6
40	MP6	Z	-9.34	6
41	MP6	X	5.39	60
42	MP6	Z	-9.34	60
43	MP8	X	4.68	%50
44	MP8	Z	-8.1	%50
45	MP8	X	3.53	%75
46	MP8	Z	-6.11	%75
47	MP6	X	3.38	%50
48	MP6	Z	-5.85	%50
49	MP6	X	3.19	%75
50	MP6	Z	-5.53	%75
51	MP12	X	6.71	6
52	MP12	Z	-11.62	6
53	MP12	X	6.71	50
54	MP12	Z	-11.62	50
55	MP11	X	3.2	6
56	MP11	Z	-5.54	6
57	MP11	X	3.2	20
58	MP11	Z	-5.54	20
59	MP11	X	3.52	30
60	MP11	Z	-6.1	30
61	MP11	X	3.52	60
62	MP11	Z	-6.1	60

Member Point Loads (BLC 28 : Ice Wind Load AZI 330) (Continued)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
63	MP10	X	7.95	6
64	MP10	Z	-13.77	6
65	MP10	X	7.95	60
66	MP10	Z	-13.77	60
67	MP12	X	2.38	%25
68	MP12	Z	-4.12	%25
69	MP12	X	5.46	%50
70	MP12	Z	-9.45	%50
71	MP12	X	3.94	%75
72	MP12	Z	-6.82	%75
73	MP10	X	3.95	%50
74	MP10	Z	-6.84	%50
75	MP10	X	3.4	%75
76	MP10	Z	-5.89	%75

Member Point Loads (BLC 31 : Seismic Load Z)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	Z	-11.873	6
2	MP4	Z	-11.873	50
3	MP3	Z	-10.274	6
4	MP3	Z	-10.274	20
5	MP3	Z	-12.664	30
6	MP3	Z	-12.664	60
7	MP2	Z	-14.713	6
8	MP2	Z	-14.713	60
9	MP4	Z	-9.157	%25
10	MP4	Z	-16.42	%50
11	MP4	Z	-22.038	%75
12	MP2	Z	-17.507	%50
13	MP2	Z	-22.349	%75
14	MP8	Z	-11.873	6
15	MP8	Z	-11.873	50
16	MP7	Z	-10.274	6
17	MP7	Z	-10.274	20
18	MP7	Z	-12.664	30
19	MP7	Z	-12.664	60
20	MP6	Z	-14.713	6
21	MP6	Z	-14.713	60
22	MP8	Z	-16.42	%50
23	MP8	Z	-22.038	%75
24	MP6	Z	-17.507	%50
25	MP6	Z	-22.349	%75
26	MP12	Z	-11.873	6
27	MP12	Z	-11.873	50
28	MP11	Z	-10.274	6
29	MP11	Z	-10.274	20
30	MP11	Z	-12.664	30
31	MP11	Z	-12.664	60
32	MP10	Z	-14.713	6
33	MP10	Z	-14.713	60
34	MP12	Z	-9.157	%25
35	MP12	Z	-16.42	%50
36	MP12	Z	-22.038	%75
37	MP10	Z	-17.507	%50
38	MP10	Z	-22.349	%75

Member Point Loads (BLC 32 : Seismic Load X)

	Member Label	Direction	Magnitude [lb, lb-ft]	Location [(in, %)]
1	MP4	X	-11.873	6
2	MP4	X	-11.873	50
3	MP3	X	-10.274	6
4	MP3	X	-10.274	20
5	MP3	X	-12.664	30
6	MP3	X	-12.664	60
7	MP2	X	-14.713	6
8	MP2	X	-14.713	60
9	MP4	X	-9.157	%25
10	MP4	X	-16.42	%50
11	MP4	X	-22.038	%75
12	MP2	X	-17.507	%50
13	MP2	X	-22.349	%75
14	MP8	X	-11.873	6
15	MP8	X	-11.873	50
16	MP7	X	-10.274	6
17	MP7	X	-10.274	20
18	MP7	X	-12.664	30
19	MP7	X	-12.664	60
20	MP6	X	-14.713	6
21	MP6	X	-14.713	60
22	MP8	X	-16.42	%50
23	MP8	X	-22.038	%75
24	MP6	X	-17.507	%50
25	MP6	X	-22.349	%75
26	MP12	X	-11.873	6
27	MP12	X	-11.873	50
28	MP11	X	-10.274	6
29	MP11	X	-10.274	20
30	MP11	X	-12.664	30
31	MP11	X	-12.664	60
32	MP10	X	-14.713	6
33	MP10	X	-14.713	60
34	MP12	X	-9.157	%25
35	MP12	X	-16.42	%50
36	MP12	X	-22.038	%75
37	MP10	X	-17.507	%50
38	MP10	X	-22.349	%75

Node Loads and Enforced Displacements (BLC 33 : Service Live Loads)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N438	L	Y	-250

Node Loads and Enforced Displacements (BLC 34 : Maintenance Load 1)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N394	L	Y	-500

Node Loads and Enforced Displacements (BLC 35 : Maintenance Load 2)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N463A	L	Y	-500

Node Loads and Enforced Displacements (BLC 36 : Maintenance Load 3)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N464A	L	Y	-500

Node Loads and Enforced Displacements (BLC 37 : Maintenance Load 4)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N393	L	Y	-500

Node Loads and Enforced Displacements (BLC 38 : Maintenance Load 5)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N353A	L	Y	-500

Node Loads and Enforced Displacements (BLC 39 : Maintenance Load 6)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N352B	L	Y	-500

Node Loads and Enforced Displacements (BLC 40 : Maintenance Load 7)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N439A	L	Y	-500

Node Loads and Enforced Displacements (BLC 41 : Maintenance Load 8)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N438A	L	Y	-500

Node Loads and Enforced Displacements (BLC 42 : Maintenance Load 9)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N455	L	Y	-500

Node Loads and Enforced Displacements (BLC 43 : Maintenance Load 10)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N417	L	Y	-500

Node Loads and Enforced Displacements (BLC 44 : Maintenance Load 11)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N506	L	Y	-500

Node Loads and Enforced Displacements (BLC 45 : Maintenance Load 12)

	Node Label	L, D, M	Direction	Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N481	L	Y	-500

Member Distributed Loads (BLC 14 : Distr. Wind Load Z)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	SZ	0	0	%100
2	M33	SZ	0	0	%100
3	M34A	SZ	0	0	%100
4	M45A	SZ	-101.23	-101.23	%100
5	M50	SZ	0	0	%100
6	M51	SZ	0	0	%100
7	M52	SZ	0	0	%100
8	M53	SZ	0	0	%100
9	M54	SZ	-101.23	-101.23	%100
10	M54A	SZ	0	0	%100
11	M55	SZ	0	0	%100
12	M56	SZ	0	0	%100
13	M57	SZ	0	0	%100
14	M57A	SZ	0	0	%100
15	M58	SZ	0	0	%100
16	M59	SZ	0	0	%100
17	M59A	SZ	0	0	%100
18	M60	SZ	0	0	%100
19	M60A	SZ	0	0	%100
20	M61	SZ	0	0	%100
21	M61A	SZ	0	0	%100
22	M62	SZ	0	0	%100
23	M62A	SZ	0	0	%100
24	M63	SZ	0	0	%100
25	M63A	SZ	0	0	%100
26	M64	SZ	0	0	%100
27	M64A	SZ	0	0	%100
28	M65	SZ	0	0	%100
29	M65A	SZ	0	0	%100
30	M66	SZ	0	0	%100
31	M66A	SZ	0	0	%100
32	M67	SZ	0	0	%100
33	M68	SZ	-101.23	-101.23	%100
34	M70	SZ	0	0	%100
35	M73	SZ	-101.23	-101.23	%100
36	M74	SZ	-101.23	-101.23	%100
37	M74B	SZ	-101.23	-101.23	%100
38	M74C	SZ	0	0	%100
39	M75	SZ	-101.23	-101.23	%100
40	M75B	SZ	-101.23	-101.23	%100
41	M76	SZ	-101.23	-101.23	%100
42	M77	SZ	-101.23	-101.23	%100
43	M78	SZ	0	0	%100
44	M79	SZ	0	0	%100
45	M80	SZ	0	0	%100
46	M81	SZ	0	0	%100
47	M82	SZ	0	0	%100
48	M83	SZ	0	0	%100
49	M84	SZ	0	0	%100
50	M85	SZ	0	0	%100
51	M94	SZ	0	0	%100
52	M95	SZ	0	0	%100
53	M96	SZ	0	0	%100
54	M97	SZ	0	0	%100
55	M99	SZ	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
56	M100	SZ	0	0	0	%100
57	M101	SZ	0	0	0	%100
58	M102	SZ	0	0	0	%100
59	M103	SZ	0	0	0	%100
60	M104	SZ	0	0	0	%100
61	M105	SZ	0	0	0	%100
62	M106	SZ	0	0	0	%100
63	M108	SZ	0	0	0	%100
64	M109	SZ	0	0	0	%100
65	M110	SZ	0	0	0	%100
66	M111	SZ	0	0	0	%100
67	M112	SZ	0	0	0	%100
68	M113	SZ	0	0	0	%100
69	M114	SZ	0	0	0	%100
70	M115	SZ	0	0	0	%100
71	M116	SZ	0	0	0	%100
72	M117	SZ	0	0	0	%100
73	M118	SZ	0	0	0	%100
74	M119	SZ	0	0	0	%100
75	M122	SZ	-101.23	-101.23	0	%100
76	M123	SZ	-101.23	-101.23	0	%100
77	M124	SZ	-101.23	-101.23	0	%100
78	M125	SZ	-101.23	-101.23	0	%100
79	M126	SZ	-101.23	-101.23	0	%100
80	M127	SZ	0	0	0	%100
81	M127A	SZ	0	0	0	%100
82	M128	SZ	0	0	0	%100
83	M128A	SZ	0	0	0	%100
84	M129	SZ	0	0	0	%100
85	M129A	SZ	0	0	0	%100
86	M130	SZ	0	0	0	%100
87	M130A	SZ	0	0	0	%100
88	M131	SZ	0	0	0	%100
89	M131A	SZ	0	0	0	%100
90	M132	SZ	0	0	0	%100
91	M132A	SZ	0	0	0	%100
92	M133	SZ	0	0	0	%100
93	M133A	SZ	0	0	0	%100
94	M134	SZ	0	0	0	%100
95	M134A	SZ	0	0	0	%100
96	M136A	SZ	0	0	0	%100
97	M137A	SZ	0	0	0	%100
98	M138A	SZ	0	0	0	%100
99	M139A	SZ	0	0	0	%100
100	M140A	SZ	0	0	0	%100
101	M141A	SZ	0	0	0	%100
102	M142	SZ	0	0	0	%100
103	M143	SZ	0	0	0	%100
104	M146A	SZ	-60.738	-60.738	0	%100
105	M177	SZ	-60.738	-60.738	0	%100
106	M182	SZ	-60.738	-60.738	0	%100
107	M198	SZ	0	0	0	%100
108	M199	SZ	0	0	0	%100
109	M200	SZ	0	0	0	%100
110	M201	SZ	0	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
111	M202	SZ	0	0	%100
112	M203	SZ	0	0	%100
113	M204	SZ	0	0	%100
114	M205	SZ	0	0	%100
115	M206	SZ	0	0	%100
116	M207	SZ	0	0	%100
117	M208	SZ	0	0	%100
118	M209	SZ	0	0	%100
119	M210	SZ	0	0	%100
120	M211	SZ	0	0	%100
121	M212	SZ	0	0	%100
122	M213	SZ	0	0	%100
123	M214	SZ	0	0	%100
124	M215	SZ	0	0	%100
125	M216	SZ	0	0	%100
126	M217	SZ	0	0	%100
127	M218	SZ	0	0	%100
128	M219	SZ	0	0	%100
129	M220	SZ	0	0	%100
130	M221	SZ	0	0	%100
131	M222	SZ	0	0	%100
132	M223	SZ	0	0	%100
133	M224	SZ	0	0	%100
134	M225	SZ	0	0	%100
135	M226	SZ	0	0	%100
136	M227	SZ	0	0	%100
137	M228	SZ	0	0	%100
138	M229	SZ	0	0	%100
139	M230	SZ	0	0	%100
140	M231	SZ	0	0	%100
141	M232	SZ	0	0	%100
142	M233	SZ	0	0	%100
143	M234	SZ	0	0	%100
144	M235	SZ	0	0	%100
145	M236	SZ	0	0	%100
146	M237	SZ	0	0	%100
147	M238	SZ	0	0	%100
148	M239	SZ	0	0	%100
149	M240	SZ	0	0	%100
150	M241	SZ	0	0	%100
151	M242	SZ	0	0	%100
152	M243	SZ	0	0	%100
153	M244	SZ	0	0	%100
154	M245	SZ	0	0	%100
155	M246	SZ	0	0	%100
156	M247	SZ	0	0	%100
157	M248	SZ	0	0	%100
158	M249	SZ	0	0	%100
159	M250	SZ	0	0	%100
160	M251	SZ	0	0	%100
161	M252	SZ	0	0	%100
162	M253	SZ	0	0	%100
163	M254	SZ	0	0	%100
164	M255	SZ	0	0	%100
165	M256	SZ	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
166	M257	SZ	0	0	%100
167	M258	SZ	0	0	%100
168	M259	SZ	0	0	%100
169	M260	SZ	0	0	%100
170	M261	SZ	0	0	%100
171	M262	SZ	0	0	%100
172	M263	SZ	0	0	%100
173	M264	SZ	0	0	%100
174	M265	SZ	0	0	%100
175	M265A	SZ	0	0	%100
176	M266	SZ	0	0	%100
177	M266A	SZ	0	0	%100
178	M267	SZ	0	0	%100
179	M267A	SZ	0	0	%100
180	M268	SZ	0	0	%100
181	M268A	SZ	0	0	%100
182	M269	SZ	0	0	%100
183	M269A	SZ	0	0	%100
184	M270	SZ	0	0	%100
185	M270A	SZ	0	0	%100
186	M271	SZ	0	0	%100
187	M271A	SZ	0	0	%100
188	M272	SZ	0	0	%100
189	M272A	SZ	0	0	%100
190	M273	SZ	0	0	%100
191	M273A	SZ	0	0	%100
192	M274	SZ	0	0	%100
193	M274A	SZ	0	0	%100
194	M275	SZ	0	0	%100
195	M275A	SZ	0	0	%100
196	M276	SZ	0	0	%100
197	M276A	SZ	0	0	%100
198	M277	SZ	0	0	%100
199	M277A	SZ	0	0	%100
200	M278	SZ	0	0	%100
201	M278A	SZ	0	0	%100
202	M279	SZ	0	0	%100
203	M279A	SZ	0	0	%100
204	M280	SZ	0	0	%100
205	M280A	SZ	0	0	%100
206	M281	SZ	0	0	%100
207	M281A	SZ	0	0	%100
208	M282	SZ	0	0	%100
209	M282A	SZ	0	0	%100
210	M283	SZ	0	0	%100
211	M283A	SZ	0	0	%100
212	M284	SZ	0	0	%100
213	M284A	SZ	0	0	%100
214	M285	SZ	0	0	%100
215	M285A	SZ	0	0	%100
216	M286	SZ	0	0	%100
217	M286A	SZ	0	0	%100
218	M287	SZ	0	0	%100
219	M287A	SZ	0	0	%100
220	M288	SZ	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
221	M288A	SZ	0	0	%100
222	M289	SZ	0	0	%100
223	M289A	SZ	0	0	%100
224	M290	SZ	0	0	%100
225	M290A	SZ	0	0	%100
226	M291	SZ	0	0	%100
227	M291A	SZ	0	0	%100
228	M292	SZ	0	0	%100
229	M292A	SZ	0	0	%100
230	M293	SZ	0	0	%100
231	M293A	SZ	0	0	%100
232	M294	SZ	0	0	%100
233	M294A	SZ	0	0	%100
234	M295	SZ	0	0	%100
235	M295A	SZ	0	0	%100
236	M296	SZ	0	0	%100
237	M296A	SZ	0	0	%100
238	M297	SZ	0	0	%100
239	M297A	SZ	0	0	%100
240	M298	SZ	0	0	%100
241	M298A	SZ	0	0	%100
242	M299	SZ	0	0	%100
243	M299A	SZ	0	0	%100
244	M300	SZ	0	0	%100
245	M300A	SZ	0	0	%100
246	M301	SZ	0	0	%100
247	M301A	SZ	0	0	%100
248	M302	SZ	0	0	%100
249	M302A	SZ	0	0	%100
250	M303	SZ	0	0	%100
251	M303A	SZ	0	0	%100
252	M304	SZ	0	0	%100
253	M304A	SZ	0	0	%100
254	M305	SZ	0	0	%100
255	M305A	SZ	0	0	%100
256	M306	SZ	0	0	%100
257	M306A	SZ	0	0	%100
258	M307	SZ	0	0	%100
259	M307A	SZ	0	0	%100
260	M308	SZ	0	0	%100
261	M308A	SZ	0	0	%100
262	M309	SZ	0	0	%100
263	M310	SZ	0	0	%100
264	M310A	SZ	0	0	%100
265	M311	SZ	0	0	%100
266	M311A	SZ	0	0	%100
267	M312	SZ	0	0	%100
268	M312A	SZ	0	0	%100
269	M313	SZ	0	0	%100
270	M313A	SZ	0	0	%100
271	M314	SZ	0	0	%100
272	M314A	SZ	0	0	%100
273	M315	SZ	0	0	%100
274	M315A	SZ	0	0	%100
275	M316	SZ	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
276	M316A	SZ	0	0	0	%100
277	M317	SZ	0	0	0	%100
278	M317A	SZ	0	0	0	%100
279	M318	SZ	0	0	0	%100
280	M318A	SZ	0	0	0	%100
281	M319	SZ	0	0	0	%100
282	M319A	SZ	0	0	0	%100
283	M320	SZ	0	0	0	%100
284	M320A	SZ	0	0	0	%100
285	M321	SZ	0	0	0	%100
286	M321A	SZ	0	0	0	%100
287	M322	SZ	0	0	0	%100
288	M322A	SZ	0	0	0	%100
289	M323	SZ	0	0	0	%100
290	M323A	SZ	0	0	0	%100
291	M324	SZ	0	0	0	%100
292	M324A	SZ	0	0	0	%100
293	M325	SZ	0	0	0	%100
294	M325A	SZ	0	0	0	%100
295	M326	SZ	0	0	0	%100
296	M326A	SZ	0	0	0	%100
297	M327	SZ	0	0	0	%100
298	M327A	SZ	0	0	0	%100
299	M328	SZ	0	0	0	%100
300	M328A	SZ	0	0	0	%100
301	M329	SZ	0	0	0	%100
302	M329A	SZ	0	0	0	%100
303	M330	SZ	0	0	0	%100
304	M330A	SZ	0	0	0	%100
305	M331	SZ	0	0	0	%100
306	M331A	SZ	0	0	0	%100
307	M332	SZ	0	0	0	%100
308	M332A	SZ	0	0	0	%100
309	M332B	SZ	0	0	0	%100
310	M333	SZ	0	0	0	%100
311	M333A	SZ	0	0	0	%100
312	M334	SZ	0	0	0	%100
313	M334A	SZ	0	0	0	%100
314	M335	SZ	0	0	0	%100
315	M335A	SZ	0	0	0	%100
316	M336	SZ	0	0	0	%100
317	M337	SZ	0	0	0	%100
318	M338	SZ	0	0	0	%100
319	M339	SZ	0	0	0	%100
320	M340	SZ	0	0	0	%100
321	M341	SZ	0	0	0	%100
322	M342	SZ	0	0	0	%100
323	M343	SZ	0	0	0	%100
324	M344	SZ	0	0	0	%100
325	M345	SZ	0	0	0	%100
326	M355	SZ	0	0	0	%100
327	M356	SZ	0	0	0	%100
328	M357	SZ	0	0	0	%100
329	M361	SZ	0	0	0	%100
330	M362	SZ	0	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
331	M366	SZ	0	0	0	%100
332	M367	SZ	0	0	0	%100
333	M367A	SZ	0	0	0	%100
334	M368	SZ	0	0	0	%100
335	M369	SZ	0	0	0	%100
336	M371	SZ	0	0	0	%100
337	M372	SZ	0	0	0	%100
338	M376	SZ	0	0	0	%100
339	M377	SZ	0	0	0	%100
340	M381	SZ	0	0	0	%100
341	M382	SZ	0	0	0	%100
342	M386	SZ	0	0	0	%100
343	M387	SZ	0	0	0	%100
344	M391	SZ	0	0	0	%100
345	M392	SZ	0	0	0	%100
346	M393	SZ	0	0	0	%100
347	M394	SZ	0	0	0	%100
348	M395	SZ	0	0	0	%100
349	M408	SZ	0	0	0	%100
350	M409	SZ	0	0	0	%100
351	M410	SZ	0	0	0	%100
352	M411	SZ	0	0	0	%100
353	M412	SZ	-101.23	-101.23	0	%100
354	M416	SZ	0	0	0	%100
355	M417	SZ	0	0	0	%100
356	M418	SZ	0	0	0	%100
357	M422	SZ	0	0	0	%100
358	M423	SZ	0	0	0	%100
359	M427	SZ	0	0	0	%100
360	M428	SZ	0	0	0	%100
361	M432	SZ	0	0	0	%100
362	M433	SZ	0	0	0	%100
363	M437	SZ	0	0	0	%100
364	M438	SZ	0	0	0	%100
365	M442	SZ	0	0	0	%100
366	M443	SZ	0	0	0	%100
367	M447	SZ	0	0	0	%100
368	M448	SZ	0	0	0	%100
369	M452	SZ	0	0	0	%100
370	M453	SZ	0	0	0	%100
371	M454	SZ	0	0	0	%100
372	M455	SZ	0	0	0	%100
373	M456	SZ	0	0	0	%100
374	M469	SZ	0	0	0	%100
375	M470	SZ	0	0	0	%100
376	M471	SZ	0	0	0	%100
377	M472	SZ	0	0	0	%100
378	M473	SZ	-101.23	-101.23	0	%100
379	M477	SZ	0	0	0	%100
380	M478	SZ	0	0	0	%100
381	M479	SZ	0	0	0	%100
382	M483	SZ	0	0	0	%100
383	M484	SZ	0	0	0	%100
384	M488	SZ	0	0	0	%100
385	M489	SZ	0	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
386	M493	SZ	0	0	0	%100
387	M494	SZ	0	0	0	%100
388	M498	SZ	0	0	0	%100
389	M499	SZ	0	0	0	%100
390	M503	SZ	0	0	0	%100
391	M504	SZ	0	0	0	%100
392	M505	SZ	0	0	0	%100
393	M506A	SZ	0	0	0	%100
394	M507A	SZ	0	0	0	%100
395	M508	SZ	0	0	0	%100
396	M508A	SZ	0	0	0	%100
397	M508B	SZ	0	0	0	%100
398	M509	SZ	0	0	0	%100
399	M509A	SZ	0	0	0	%100
400	M510A	SZ	0	0	0	%100
401	M511	SZ	0	0	0	%100
402	M511A	SZ	0	0	0	%100
403	M512	SZ	0	0	0	%100
404	M512A	SZ	0	0	0	%100
405	M513	SZ	0	0	0	%100
406	M513A	SZ	0	0	0	%100
407	M514	SZ	0	0	0	%100
408	M514A	SZ	0	0	0	%100
409	M514C	SZ	0	0	0	%100
410	M514D	SZ	0	0	0	%100
411	M515	SZ	0	0	0	%100
412	M515A	SZ	0	0	0	%100
413	M515B	SZ	0	0	0	%100
414	M515C	SZ	0	0	0	%100
415	M516	SZ	0	0	0	%100
416	M516A	SZ	0	0	0	%100
417	M516B	SZ	0	0	0	%100
418	M516C	SZ	0	0	0	%100
419	M517	SZ	0	0	0	%100
420	M517A	SZ	0	0	0	%100
421	M518A	SZ	0	0	0	%100
422	M519A	SZ	0	0	0	%100
423	M520A	SZ	0	0	0	%100
424	M521A	SZ	0	0	0	%100
425	M522	SZ	0	0	0	%100
426	M523	SZ	0	0	0	%100
427	M524	SZ	0	0	0	%100
428	M525	SZ	0	0	0	%100
429	M526A	SZ	0	0	0	%100
430	M527A	SZ	0	0	0	%100
431	M528A	SZ	0	0	0	%100
432	M529A	SZ	0	0	0	%100
433	M530	SZ	0	0	0	%100
434	M530A	SZ	0	0	0	%100
435	M531	SZ	0	0	0	%100
436	M532	SZ	0	0	0	%100
437	M533	SZ	0	0	0	%100
438	M534	SZ	-101.23	-101.23	0	%100
439	M535	SZ	0	0	0	%100
440	M536	SZ	0	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
441	M537	SZ	0	0	%100
442	M538	SZ	0	0	%100
443	M539	SZ	0	0	%100
444	M540	SZ	0	0	%100
445	MP1	SZ	-60.738	-60.738	%100
446	MP2	SZ	-60.738	-60.738	%100
447	MP3	SZ	-60.738	-60.738	%100
448	MP4	SZ	-60.738	-60.738	%100
449	MP5	SZ	-60.738	-60.738	%100
450	MP8	SZ	-60.738	-60.738	%100
451	MP9	SZ	-60.738	-60.738	%100
452	MP12	SZ	-60.738	-60.738	%100
453	R3	SZ	0	0	%100
454	R4	SZ	0	0	%100
455	R5	SZ	0	0	%100
456	R6	SZ	0	0	%100
457	R7	SZ	0	0	%100
458	R8	SZ	0	0	%100
459	R9	SZ	0	0	%100
460	R10	SZ	0	0	%100
461	M461	SZ	0	0	%100
462	M462	SZ	0	0	%100
463	M463	SZ	0	0	%100
464	M464	SZ	0	0	%100
465	MP11	SZ	-60.738	-60.738	%100
466	M466	SZ	0	0	%100
467	M467	SZ	0	0	%100
468	M468	SZ	0	0	%100
469	M474	SZ	0	0	%100
470	M475	SZ	0	0	%100
471	M476	SZ	0	0	%100
472	M480	SZ	0	0	%100
473	M481	SZ	0	0	%100
474	M482	SZ	0	0	%100
475	M485	SZ	0	0	%100
476	M486	SZ	0	0	%100
477	M487	SZ	0	0	%100
478	M490	SZ	0	0	%100
479	MP10	SZ	-60.738	-60.738	%100
480	M492	SZ	0	0	%100
481	M495	SZ	0	0	%100
482	M496	SZ	0	0	%100
483	M497	SZ	0	0	%100
484	M500	SZ	0	0	%100
485	M501	SZ	0	0	%100
486	M502	SZ	0	0	%100
487	M506	SZ	0	0	%100
488	M507	SZ	0	0	%100
489	M510	SZ	0	0	%100
490	M518	SZ	0	0	%100
491	M519	SZ	0	0	%100
492	M520	SZ	0	0	%100
493	MP7	SZ	-60.738	-60.738	%100
494	M526	SZ	0	0	%100
495	M527	SZ	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
496	M528	SZ	0	0	0	%100
497	M529	SZ	0	0	0	%100
498	M541	SZ	0	0	0	%100
499	M542	SZ	0	0	0	%100
500	M543	SZ	0	0	0	%100
501	M544	SZ	0	0	0	%100
502	M545	SZ	0	0	0	%100
503	M546	SZ	0	0	0	%100
504	M547	SZ	0	0	0	%100
505	M548	SZ	0	0	0	%100
506	M549	SZ	0	0	0	%100
507	MP6	SZ	-60.738	-60.738	0	%100
508	M551	SZ	0	0	0	%100
509	M552	SZ	0	0	0	%100
510	M553	SZ	0	0	0	%100
511	M554	SZ	0	0	0	%100
512	M555	SZ	0	0	0	%100
513	M556	SZ	0	0	0	%100
514	M557	SZ	0	0	0	%100
515	M558	SZ	0	0	0	%100
516	M559	SZ	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	SX	0	0	0	%100
2	M33	SX	0	0	0	%100
3	M34A	SX	0	0	0	%100
4	M45A	SX	-101.23	-101.23	0	%100
5	M50	SX	0	0	0	%100
6	M51	SX	0	0	0	%100
7	M52	SX	0	0	0	%100
8	M53	SX	0	0	0	%100
9	M54	SX	-101.23	-101.23	0	%100
10	M54A	SX	0	0	0	%100
11	M55	SX	0	0	0	%100
12	M56	SX	0	0	0	%100
13	M57	SX	0	0	0	%100
14	M57A	SX	0	0	0	%100
15	M58	SX	0	0	0	%100
16	M59	SX	0	0	0	%100
17	M59A	SX	0	0	0	%100
18	M60	SX	0	0	0	%100
19	M60A	SX	0	0	0	%100
20	M61	SX	0	0	0	%100
21	M61A	SX	0	0	0	%100
22	M62	SX	0	0	0	%100
23	M62A	SX	0	0	0	%100
24	M63	SX	0	0	0	%100
25	M63A	SX	0	0	0	%100
26	M64	SX	0	0	0	%100
27	M64A	SX	0	0	0	%100
28	M65	SX	0	0	0	%100
29	M65A	SX	0	0	0	%100
30	M66	SX	0	0	0	%100
31	M66A	SX	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
32	M67	SX	0	0	%100
33	M68	SX	-101.23	-101.23	%100
34	M70	SX	0	0	%100
35	M73	SX	-101.23	-101.23	%100
36	M74	SX	-101.23	-101.23	%100
37	M74B	SX	-101.23	-101.23	%100
38	M74C	SX	0	0	%100
39	M75	SX	-101.23	-101.23	%100
40	M75B	SX	-101.23	-101.23	%100
41	M76	SX	-101.23	-101.23	%100
42	M77	SX	-101.23	-101.23	%100
43	M78	SX	0	0	%100
44	M79	SX	0	0	%100
45	M80	SX	0	0	%100
46	M81	SX	0	0	%100
47	M82	SX	0	0	%100
48	M83	SX	0	0	%100
49	M84	SX	0	0	%100
50	M85	SX	0	0	%100
51	M94	SX	0	0	%100
52	M95	SX	0	0	%100
53	M96	SX	0	0	%100
54	M97	SX	0	0	%100
55	M99	SX	0	0	%100
56	M100	SX	0	0	%100
57	M101	SX	0	0	%100
58	M102	SX	0	0	%100
59	M103	SX	0	0	%100
60	M104	SX	0	0	%100
61	M105	SX	0	0	%100
62	M106	SX	0	0	%100
63	M108	SX	0	0	%100
64	M109	SX	0	0	%100
65	M110	SX	0	0	%100
66	M111	SX	0	0	%100
67	M112	SX	0	0	%100
68	M113	SX	0	0	%100
69	M114	SX	0	0	%100
70	M115	SX	0	0	%100
71	M116	SX	0	0	%100
72	M117	SX	0	0	%100
73	M118	SX	0	0	%100
74	M119	SX	0	0	%100
75	M122	SX	-101.23	-101.23	%100
76	M123	SX	-101.23	-101.23	%100
77	M124	SX	-101.23	-101.23	%100
78	M125	SX	-101.23	-101.23	%100
79	M126	SX	-101.23	-101.23	%100
80	M127	SX	0	0	%100
81	M127A	SX	0	0	%100
82	M128	SX	0	0	%100
83	M128A	SX	0	0	%100
84	M129	SX	0	0	%100
85	M129A	SX	0	0	%100
86	M130	SX	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
87	M130A	SX	0	0	%100
88	M131	SX	0	0	%100
89	M131A	SX	0	0	%100
90	M132	SX	0	0	%100
91	M132A	SX	0	0	%100
92	M133	SX	0	0	%100
93	M133A	SX	0	0	%100
94	M134	SX	0	0	%100
95	M134A	SX	0	0	%100
96	M136A	SX	0	0	%100
97	M137A	SX	0	0	%100
98	M138A	SX	0	0	%100
99	M139A	SX	0	0	%100
100	M140A	SX	0	0	%100
101	M141A	SX	0	0	%100
102	M142	SX	0	0	%100
103	M143	SX	0	0	%100
104	M146A	SX	-60.738	-60.738	%100
105	M177	SX	-60.738	-60.738	%100
106	M182	SX	-60.738	-60.738	%100
107	M198	SX	0	0	%100
108	M199	SX	0	0	%100
109	M200	SX	0	0	%100
110	M201	SX	0	0	%100
111	M202	SX	0	0	%100
112	M203	SX	0	0	%100
113	M204	SX	0	0	%100
114	M205	SX	0	0	%100
115	M206	SX	0	0	%100
116	M207	SX	0	0	%100
117	M208	SX	0	0	%100
118	M209	SX	0	0	%100
119	M210	SX	0	0	%100
120	M211	SX	0	0	%100
121	M212	SX	0	0	%100
122	M213	SX	0	0	%100
123	M214	SX	0	0	%100
124	M215	SX	0	0	%100
125	M216	SX	0	0	%100
126	M217	SX	0	0	%100
127	M218	SX	0	0	%100
128	M219	SX	0	0	%100
129	M220	SX	0	0	%100
130	M221	SX	0	0	%100
131	M222	SX	0	0	%100
132	M223	SX	0	0	%100
133	M224	SX	0	0	%100
134	M225	SX	0	0	%100
135	M226	SX	0	0	%100
136	M227	SX	0	0	%100
137	M228	SX	0	0	%100
138	M229	SX	0	0	%100
139	M230	SX	0	0	%100
140	M231	SX	0	0	%100
141	M232	SX	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
142	M233	SX	0	0	0	%100
143	M234	SX	0	0	0	%100
144	M235	SX	0	0	0	%100
145	M236	SX	0	0	0	%100
146	M237	SX	0	0	0	%100
147	M238	SX	0	0	0	%100
148	M239	SX	0	0	0	%100
149	M240	SX	0	0	0	%100
150	M241	SX	0	0	0	%100
151	M242	SX	0	0	0	%100
152	M243	SX	0	0	0	%100
153	M244	SX	0	0	0	%100
154	M245	SX	0	0	0	%100
155	M246	SX	0	0	0	%100
156	M247	SX	0	0	0	%100
157	M248	SX	0	0	0	%100
158	M249	SX	0	0	0	%100
159	M250	SX	0	0	0	%100
160	M251	SX	0	0	0	%100
161	M252	SX	0	0	0	%100
162	M253	SX	0	0	0	%100
163	M254	SX	0	0	0	%100
164	M255	SX	0	0	0	%100
165	M256	SX	0	0	0	%100
166	M257	SX	0	0	0	%100
167	M258	SX	0	0	0	%100
168	M259	SX	0	0	0	%100
169	M260	SX	0	0	0	%100
170	M261	SX	0	0	0	%100
171	M262	SX	0	0	0	%100
172	M263	SX	0	0	0	%100
173	M264	SX	0	0	0	%100
174	M265	SX	0	0	0	%100
175	M265A	SX	0	0	0	%100
176	M266	SX	0	0	0	%100
177	M266A	SX	0	0	0	%100
178	M267	SX	0	0	0	%100
179	M267A	SX	0	0	0	%100
180	M268	SX	0	0	0	%100
181	M268A	SX	0	0	0	%100
182	M269	SX	0	0	0	%100
183	M269A	SX	0	0	0	%100
184	M270	SX	0	0	0	%100
185	M270A	SX	0	0	0	%100
186	M271	SX	0	0	0	%100
187	M271A	SX	0	0	0	%100
188	M272	SX	0	0	0	%100
189	M272A	SX	0	0	0	%100
190	M273	SX	0	0	0	%100
191	M273A	SX	0	0	0	%100
192	M274	SX	0	0	0	%100
193	M274A	SX	0	0	0	%100
194	M275	SX	0	0	0	%100
195	M275A	SX	0	0	0	%100
196	M276	SX	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
197	M276A	SX	0	0	%100
198	M277	SX	0	0	%100
199	M277A	SX	0	0	%100
200	M278	SX	0	0	%100
201	M278A	SX	0	0	%100
202	M279	SX	0	0	%100
203	M279A	SX	0	0	%100
204	M280	SX	0	0	%100
205	M280A	SX	0	0	%100
206	M281	SX	0	0	%100
207	M281A	SX	0	0	%100
208	M282	SX	0	0	%100
209	M282A	SX	0	0	%100
210	M283	SX	0	0	%100
211	M283A	SX	0	0	%100
212	M284	SX	0	0	%100
213	M284A	SX	0	0	%100
214	M285	SX	0	0	%100
215	M285A	SX	0	0	%100
216	M286	SX	0	0	%100
217	M286A	SX	0	0	%100
218	M287	SX	0	0	%100
219	M287A	SX	0	0	%100
220	M288	SX	0	0	%100
221	M288A	SX	0	0	%100
222	M289	SX	0	0	%100
223	M289A	SX	0	0	%100
224	M290	SX	0	0	%100
225	M290A	SX	0	0	%100
226	M291	SX	0	0	%100
227	M291A	SX	0	0	%100
228	M292	SX	0	0	%100
229	M292A	SX	0	0	%100
230	M293	SX	0	0	%100
231	M293A	SX	0	0	%100
232	M294	SX	0	0	%100
233	M294A	SX	0	0	%100
234	M295	SX	0	0	%100
235	M295A	SX	0	0	%100
236	M296	SX	0	0	%100
237	M296A	SX	0	0	%100
238	M297	SX	0	0	%100
239	M297A	SX	0	0	%100
240	M298	SX	0	0	%100
241	M298A	SX	0	0	%100
242	M299	SX	0	0	%100
243	M299A	SX	0	0	%100
244	M300	SX	0	0	%100
245	M300A	SX	0	0	%100
246	M301	SX	0	0	%100
247	M301A	SX	0	0	%100
248	M302	SX	0	0	%100
249	M302A	SX	0	0	%100
250	M303	SX	0	0	%100
251	M303A	SX	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
252	M304	SX	0	0	0	%100
253	M304A	SX	0	0	0	%100
254	M305	SX	0	0	0	%100
255	M305A	SX	0	0	0	%100
256	M306	SX	0	0	0	%100
257	M306A	SX	0	0	0	%100
258	M307	SX	0	0	0	%100
259	M307A	SX	0	0	0	%100
260	M308	SX	0	0	0	%100
261	M308A	SX	0	0	0	%100
262	M309	SX	0	0	0	%100
263	M310	SX	0	0	0	%100
264	M310A	SX	0	0	0	%100
265	M311	SX	0	0	0	%100
266	M311A	SX	0	0	0	%100
267	M312	SX	0	0	0	%100
268	M312A	SX	0	0	0	%100
269	M313	SX	0	0	0	%100
270	M313A	SX	0	0	0	%100
271	M314	SX	0	0	0	%100
272	M314A	SX	0	0	0	%100
273	M315	SX	0	0	0	%100
274	M315A	SX	0	0	0	%100
275	M316	SX	0	0	0	%100
276	M316A	SX	0	0	0	%100
277	M317	SX	0	0	0	%100
278	M317A	SX	0	0	0	%100
279	M318	SX	0	0	0	%100
280	M318A	SX	0	0	0	%100
281	M319	SX	0	0	0	%100
282	M319A	SX	0	0	0	%100
283	M320	SX	0	0	0	%100
284	M320A	SX	0	0	0	%100
285	M321	SX	0	0	0	%100
286	M321A	SX	0	0	0	%100
287	M322	SX	0	0	0	%100
288	M322A	SX	0	0	0	%100
289	M323	SX	0	0	0	%100
290	M323A	SX	0	0	0	%100
291	M324	SX	0	0	0	%100
292	M324A	SX	0	0	0	%100
293	M325	SX	0	0	0	%100
294	M325A	SX	0	0	0	%100
295	M326	SX	0	0	0	%100
296	M326A	SX	0	0	0	%100
297	M327	SX	0	0	0	%100
298	M327A	SX	0	0	0	%100
299	M328	SX	0	0	0	%100
300	M328A	SX	0	0	0	%100
301	M329	SX	0	0	0	%100
302	M329A	SX	0	0	0	%100
303	M330	SX	0	0	0	%100
304	M330A	SX	0	0	0	%100
305	M331	SX	0	0	0	%100
306	M331A	SX	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
307	M332	SX	0	0	0	%100
308	M332A	SX	0	0	0	%100
309	M332B	SX	0	0	0	%100
310	M333	SX	0	0	0	%100
311	M333A	SX	0	0	0	%100
312	M334	SX	0	0	0	%100
313	M334A	SX	0	0	0	%100
314	M335	SX	0	0	0	%100
315	M335A	SX	0	0	0	%100
316	M336	SX	0	0	0	%100
317	M337	SX	0	0	0	%100
318	M338	SX	0	0	0	%100
319	M339	SX	0	0	0	%100
320	M340	SX	0	0	0	%100
321	M341	SX	0	0	0	%100
322	M342	SX	0	0	0	%100
323	M343	SX	0	0	0	%100
324	M344	SX	0	0	0	%100
325	M345	SX	0	0	0	%100
326	M355	SX	0	0	0	%100
327	M356	SX	0	0	0	%100
328	M357	SX	0	0	0	%100
329	M361	SX	0	0	0	%100
330	M362	SX	0	0	0	%100
331	M366	SX	0	0	0	%100
332	M367	SX	0	0	0	%100
333	M367A	SX	0	0	0	%100
334	M368	SX	0	0	0	%100
335	M369	SX	0	0	0	%100
336	M371	SX	0	0	0	%100
337	M372	SX	0	0	0	%100
338	M376	SX	0	0	0	%100
339	M377	SX	0	0	0	%100
340	M381	SX	0	0	0	%100
341	M382	SX	0	0	0	%100
342	M386	SX	0	0	0	%100
343	M387	SX	0	0	0	%100
344	M391	SX	0	0	0	%100
345	M392	SX	0	0	0	%100
346	M393	SX	0	0	0	%100
347	M394	SX	0	0	0	%100
348	M395	SX	0	0	0	%100
349	M408	SX	0	0	0	%100
350	M409	SX	0	0	0	%100
351	M410	SX	0	0	0	%100
352	M411	SX	0	0	0	%100
353	M412	SX	-101.23	-101.23	0	%100
354	M416	SX	0	0	0	%100
355	M417	SX	0	0	0	%100
356	M418	SX	0	0	0	%100
357	M422	SX	0	0	0	%100
358	M423	SX	0	0	0	%100
359	M427	SX	0	0	0	%100
360	M428	SX	0	0	0	%100
361	M432	SX	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
362	M433	SX	0	0	0	%100
363	M437	SX	0	0	0	%100
364	M438	SX	0	0	0	%100
365	M442	SX	0	0	0	%100
366	M443	SX	0	0	0	%100
367	M447	SX	0	0	0	%100
368	M448	SX	0	0	0	%100
369	M452	SX	0	0	0	%100
370	M453	SX	0	0	0	%100
371	M454	SX	0	0	0	%100
372	M455	SX	0	0	0	%100
373	M456	SX	0	0	0	%100
374	M469	SX	0	0	0	%100
375	M470	SX	0	0	0	%100
376	M471	SX	0	0	0	%100
377	M472	SX	0	0	0	%100
378	M473	SX	-101.23	-101.23	0	%100
379	M477	SX	0	0	0	%100
380	M478	SX	0	0	0	%100
381	M479	SX	0	0	0	%100
382	M483	SX	0	0	0	%100
383	M484	SX	0	0	0	%100
384	M488	SX	0	0	0	%100
385	M489	SX	0	0	0	%100
386	M493	SX	0	0	0	%100
387	M494	SX	0	0	0	%100
388	M498	SX	0	0	0	%100
389	M499	SX	0	0	0	%100
390	M503	SX	0	0	0	%100
391	M504	SX	0	0	0	%100
392	M505	SX	0	0	0	%100
393	M506A	SX	0	0	0	%100
394	M507A	SX	0	0	0	%100
395	M508	SX	0	0	0	%100
396	M508A	SX	0	0	0	%100
397	M508B	SX	0	0	0	%100
398	M509	SX	0	0	0	%100
399	M509A	SX	0	0	0	%100
400	M510A	SX	0	0	0	%100
401	M511	SX	0	0	0	%100
402	M511A	SX	0	0	0	%100
403	M512	SX	0	0	0	%100
404	M512A	SX	0	0	0	%100
405	M513	SX	0	0	0	%100
406	M513A	SX	0	0	0	%100
407	M514	SX	0	0	0	%100
408	M514A	SX	0	0	0	%100
409	M514C	SX	0	0	0	%100
410	M514D	SX	0	0	0	%100
411	M515	SX	0	0	0	%100
412	M515A	SX	0	0	0	%100
413	M515B	SX	0	0	0	%100
414	M515C	SX	0	0	0	%100
415	M516	SX	0	0	0	%100
416	M516A	SX	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
417	M516B	SX	0	0	%100
418	M516C	SX	0	0	%100
419	M517	SX	0	0	%100
420	M517A	SX	0	0	%100
421	M518A	SX	0	0	%100
422	M519A	SX	0	0	%100
423	M520A	SX	0	0	%100
424	M521A	SX	0	0	%100
425	M522	SX	0	0	%100
426	M523	SX	0	0	%100
427	M524	SX	0	0	%100
428	M525	SX	0	0	%100
429	M526A	SX	0	0	%100
430	M527A	SX	0	0	%100
431	M528A	SX	0	0	%100
432	M529A	SX	0	0	%100
433	M530	SX	0	0	%100
434	M530A	SX	0	0	%100
435	M531	SX	0	0	%100
436	M532	SX	0	0	%100
437	M533	SX	0	0	%100
438	M534	SX	-101.23	-101.23	%100
439	M535	SX	0	0	%100
440	M536	SX	0	0	%100
441	M537	SX	0	0	%100
442	M538	SX	0	0	%100
443	M539	SX	0	0	%100
444	M540	SX	0	0	%100
445	MP1	SX	-60.738	-60.738	%100
446	MP2	SX	-60.738	-60.738	%100
447	MP3	SX	-60.738	-60.738	%100
448	MP4	SX	-60.738	-60.738	%100
449	MP5	SX	-60.738	-60.738	%100
450	MP8	SX	-60.738	-60.738	%100
451	MP9	SX	-60.738	-60.738	%100
452	MP12	SX	-60.738	-60.738	%100
453	R3	SX	0	0	%100
454	R4	SX	0	0	%100
455	R5	SX	0	0	%100
456	R6	SX	0	0	%100
457	R7	SX	0	0	%100
458	R8	SX	0	0	%100
459	R9	SX	0	0	%100
460	R10	SX	0	0	%100
461	M461	SX	0	0	%100
462	M462	SX	0	0	%100
463	M463	SX	0	0	%100
464	M464	SX	0	0	%100
465	MP11	SX	-60.738	-60.738	%100
466	M466	SX	0	0	%100
467	M467	SX	0	0	%100
468	M468	SX	0	0	%100
469	M474	SX	0	0	%100
470	M475	SX	0	0	%100
471	M476	SX	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
472	M480	SX	0	0	0	%100
473	M481	SX	0	0	0	%100
474	M482	SX	0	0	0	%100
475	M485	SX	0	0	0	%100
476	M486	SX	0	0	0	%100
477	M487	SX	0	0	0	%100
478	M490	SX	0	0	0	%100
479	MP10	SX	-60.738	-60.738	0	%100
480	M492	SX	0	0	0	%100
481	M495	SX	0	0	0	%100
482	M496	SX	0	0	0	%100
483	M497	SX	0	0	0	%100
484	M500	SX	0	0	0	%100
485	M501	SX	0	0	0	%100
486	M502	SX	0	0	0	%100
487	M506	SX	0	0	0	%100
488	M507	SX	0	0	0	%100
489	M510	SX	0	0	0	%100
490	M518	SX	0	0	0	%100
491	M519	SX	0	0	0	%100
492	M520	SX	0	0	0	%100
493	MP7	SX	-60.738	-60.738	0	%100
494	M526	SX	0	0	0	%100
495	M527	SX	0	0	0	%100
496	M528	SX	0	0	0	%100
497	M529	SX	0	0	0	%100
498	M541	SX	0	0	0	%100
499	M542	SX	0	0	0	%100
500	M543	SX	0	0	0	%100
501	M544	SX	0	0	0	%100
502	M545	SX	0	0	0	%100
503	M546	SX	0	0	0	%100
504	M547	SX	0	0	0	%100
505	M548	SX	0	0	0	%100
506	M549	SX	0	0	0	%100
507	MP6	SX	-60.738	-60.738	0	%100
508	M551	SX	0	0	0	%100
509	M552	SX	0	0	0	%100
510	M553	SX	0	0	0	%100
511	M554	SX	0	0	0	%100
512	M555	SX	0	0	0	%100
513	M556	SX	0	0	0	%100
514	M557	SX	0	0	0	%100
515	M558	SX	0	0	0	%100
516	M559	SX	0	0	0	%100

Member Distributed Loads (BLC 16 : Ice Weight)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	Y	-1.605	-1.605	0	%100
2	M33	Y	-1.605	-1.605	0	%100
3	M34A	Y	-1.605	-1.605	0	%100
4	M45A	Y	-7.545	-7.545	0	%100
5	M50	Y	-1.605	-1.605	0	%100
6	M51	Y	-1.605	-1.605	0	%100
7	M52	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
8	M53	Y	-1.605	-1.605	0	%100
9	M54	Y	-8.606	-8.606	0	%100
10	M54A	Y	-1.605	-1.605	0	%100
11	M55	Y	-1.605	-1.605	0	%100
12	M56	Y	-1.605	-1.605	0	%100
13	M57	Y	-1.605	-1.605	0	%100
14	M57A	Y	-1.605	-1.605	0	%100
15	M58	Y	-1.605	-1.605	0	%100
16	M59	Y	-1.605	-1.605	0	%100
17	M59A	Y	-1.605	-1.605	0	%100
18	M60	Y	-1.605	-1.605	0	%100
19	M60A	Y	-1.605	-1.605	0	%100
20	M61	Y	-1.605	-1.605	0	%100
21	M61A	Y	-1.605	-1.605	0	%100
22	M62	Y	-1.605	-1.605	0	%100
23	M62A	Y	-1.605	-1.605	0	%100
24	M63	Y	-1.605	-1.605	0	%100
25	M63A	Y	-1.605	-1.605	0	%100
26	M64	Y	-1.605	-1.605	0	%100
27	M64A	Y	-1.605	-1.605	0	%100
28	M65	Y	-1.605	-1.605	0	%100
29	M65A	Y	-1.605	-1.605	0	%100
30	M66	Y	-1.605	-1.605	0	%100
31	M66A	Y	-1.605	-1.605	0	%100
32	M67	Y	-1.605	-1.605	0	%100
33	M68	Y	-7.545	-7.545	0	%100
34	M70	Y	-1.605	-1.605	0	%100
35	M73	Y	-7.545	-7.545	0	%100
36	M74	Y	-7.545	-7.545	0	%100
37	M74B	Y	-7.545	-7.545	0	%100
38	M74C	Y	-1.605	-1.605	0	%100
39	M75	Y	-7.545	-7.545	0	%100
40	M75B	Y	-7.545	-7.545	0	%100
41	M76	Y	-7.545	-7.545	0	%100
42	M77	Y	-8.606	-8.606	0	%100
43	M78	Y	-1.605	-1.605	0	%100
44	M79	Y	-1.605	-1.605	0	%100
45	M80	Y	-1.605	-1.605	0	%100
46	M81	Y	-1.605	-1.605	0	%100
47	M82	Y	-1.605	-1.605	0	%100
48	M83	Y	-1.605	-1.605	0	%100
49	M84	Y	-1.605	-1.605	0	%100
50	M85	Y	-1.605	-1.605	0	%100
51	M94	Y	-1.605	-1.605	0	%100
52	M95	Y	-1.605	-1.605	0	%100
53	M96	Y	-1.605	-1.605	0	%100
54	M97	Y	-1.605	-1.605	0	%100
55	M99	Y	-1.605	-1.605	0	%100
56	M100	Y	-1.605	-1.605	0	%100
57	M101	Y	-1.605	-1.605	0	%100
58	M102	Y	-1.605	-1.605	0	%100
59	M103	Y	-1.605	-1.605	0	%100
60	M104	Y	-1.605	-1.605	0	%100
61	M105	Y	-1.605	-1.605	0	%100
62	M106	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
63	M108	Y	-1.605	-1.605	0	%100
64	M109	Y	-1.605	-1.605	0	%100
65	M110	Y	-1.605	-1.605	0	%100
66	M111	Y	-1.605	-1.605	0	%100
67	M112	Y	-1.605	-1.605	0	%100
68	M113	Y	-1.605	-1.605	0	%100
69	M114	Y	-1.605	-1.605	0	%100
70	M115	Y	-1.605	-1.605	0	%100
71	M116	Y	-1.605	-1.605	0	%100
72	M117	Y	-1.605	-1.605	0	%100
73	M118	Y	-1.605	-1.605	0	%100
74	M119	Y	-1.605	-1.605	0	%100
75	M122	Y	-7.545	-7.545	0	%100
76	M123	Y	-7.545	-7.545	0	%100
77	M124	Y	-7.545	-7.545	0	%100
78	M125	Y	-7.545	-7.545	0	%100
79	M126	Y	-8.606	-8.606	0	%100
80	M127	Y	-1.605	-1.605	0	%100
81	M127A	Y	-1.605	-1.605	0	%100
82	M128	Y	-1.605	-1.605	0	%100
83	M128A	Y	-1.605	-1.605	0	%100
84	M129	Y	-1.605	-1.605	0	%100
85	M129A	Y	-1.605	-1.605	0	%100
86	M130	Y	-1.605	-1.605	0	%100
87	M130A	Y	-1.605	-1.605	0	%100
88	M131	Y	-1.605	-1.605	0	%100
89	M131A	Y	-1.605	-1.605	0	%100
90	M132	Y	-1.605	-1.605	0	%100
91	M132A	Y	-1.605	-1.605	0	%100
92	M133	Y	-1.605	-1.605	0	%100
93	M133A	Y	-1.605	-1.605	0	%100
94	M134	Y	-1.605	-1.605	0	%100
95	M134A	Y	-1.605	-1.605	0	%100
96	M136A	Y	-1.605	-1.605	0	%100
97	M137A	Y	-1.605	-1.605	0	%100
98	M138A	Y	-1.605	-1.605	0	%100
99	M139A	Y	-1.605	-1.605	0	%100
100	M140A	Y	-1.605	-1.605	0	%100
101	M141A	Y	-1.605	-1.605	0	%100
102	M142	Y	-1.605	-1.605	0	%100
103	M143	Y	-1.605	-1.605	0	%100
104	M146A	Y	-5.63	-5.63	0	%100
105	M177	Y	-5.63	-5.63	0	%100
106	M182	Y	-5.63	-5.63	0	%100
107	M198	Y	-1.605	-1.605	0	%100
108	M199	Y	-1.605	-1.605	0	%100
109	M200	Y	-1.605	-1.605	0	%100
110	M201	Y	-1.605	-1.605	0	%100
111	M202	Y	-1.605	-1.605	0	%100
112	M203	Y	-1.605	-1.605	0	%100
113	M204	Y	-1.605	-1.605	0	%100
114	M205	Y	-1.605	-1.605	0	%100
115	M206	Y	-1.605	-1.605	0	%100
116	M207	Y	-1.605	-1.605	0	%100
117	M208	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
118	M209	Y	-1.605	-1.605	0	%100
119	M210	Y	-1.605	-1.605	0	%100
120	M211	Y	-1.605	-1.605	0	%100
121	M212	Y	-1.605	-1.605	0	%100
122	M213	Y	-1.605	-1.605	0	%100
123	M214	Y	-1.605	-1.605	0	%100
124	M215	Y	-1.605	-1.605	0	%100
125	M216	Y	-1.605	-1.605	0	%100
126	M217	Y	-1.605	-1.605	0	%100
127	M218	Y	-1.605	-1.605	0	%100
128	M219	Y	-1.605	-1.605	0	%100
129	M220	Y	-1.605	-1.605	0	%100
130	M221	Y	-1.605	-1.605	0	%100
131	M222	Y	-1.605	-1.605	0	%100
132	M223	Y	-1.605	-1.605	0	%100
133	M224	Y	-1.605	-1.605	0	%100
134	M225	Y	-1.605	-1.605	0	%100
135	M226	Y	-1.605	-1.605	0	%100
136	M227	Y	-1.605	-1.605	0	%100
137	M228	Y	-1.605	-1.605	0	%100
138	M229	Y	-1.605	-1.605	0	%100
139	M230	Y	-1.605	-1.605	0	%100
140	M231	Y	-1.605	-1.605	0	%100
141	M232	Y	-1.605	-1.605	0	%100
142	M233	Y	-1.605	-1.605	0	%100
143	M234	Y	-1.605	-1.605	0	%100
144	M235	Y	-1.605	-1.605	0	%100
145	M236	Y	-1.605	-1.605	0	%100
146	M237	Y	-1.605	-1.605	0	%100
147	M238	Y	-1.605	-1.605	0	%100
148	M239	Y	-1.605	-1.605	0	%100
149	M240	Y	-1.605	-1.605	0	%100
150	M241	Y	-1.605	-1.605	0	%100
151	M242	Y	-1.605	-1.605	0	%100
152	M243	Y	-1.605	-1.605	0	%100
153	M244	Y	-1.605	-1.605	0	%100
154	M245	Y	-1.605	-1.605	0	%100
155	M246	Y	-1.605	-1.605	0	%100
156	M247	Y	-1.605	-1.605	0	%100
157	M248	Y	-1.605	-1.605	0	%100
158	M249	Y	-1.605	-1.605	0	%100
159	M250	Y	-1.605	-1.605	0	%100
160	M251	Y	-1.605	-1.605	0	%100
161	M252	Y	-1.605	-1.605	0	%100
162	M253	Y	-1.605	-1.605	0	%100
163	M254	Y	-1.605	-1.605	0	%100
164	M255	Y	-1.605	-1.605	0	%100
165	M256	Y	-1.605	-1.605	0	%100
166	M257	Y	-1.605	-1.605	0	%100
167	M258	Y	-1.605	-1.605	0	%100
168	M259	Y	-1.605	-1.605	0	%100
169	M260	Y	-1.605	-1.605	0	%100
170	M261	Y	-1.605	-1.605	0	%100
171	M262	Y	-1.605	-1.605	0	%100
172	M263	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
173	M264	Y	-1.605	-1.605	0 %100
174	M265	Y	-1.605	-1.605	0 %100
175	M265A	Y	-1.605	-1.605	0 %100
176	M266	Y	-1.605	-1.605	0 %100
177	M266A	Y	-1.605	-1.605	0 %100
178	M267	Y	-1.605	-1.605	0 %100
179	M267A	Y	-1.605	-1.605	0 %100
180	M268	Y	-1.605	-1.605	0 %100
181	M268A	Y	-1.605	-1.605	0 %100
182	M269	Y	-1.605	-1.605	0 %100
183	M269A	Y	-1.605	-1.605	0 %100
184	M270	Y	-1.605	-1.605	0 %100
185	M270A	Y	-1.605	-1.605	0 %100
186	M271	Y	-1.605	-1.605	0 %100
187	M271A	Y	-1.605	-1.605	0 %100
188	M272	Y	-1.605	-1.605	0 %100
189	M272A	Y	-1.605	-1.605	0 %100
190	M273	Y	-1.605	-1.605	0 %100
191	M273A	Y	-1.605	-1.605	0 %100
192	M274	Y	-1.605	-1.605	0 %100
193	M274A	Y	-1.605	-1.605	0 %100
194	M275	Y	-1.605	-1.605	0 %100
195	M275A	Y	-1.605	-1.605	0 %100
196	M276	Y	-1.605	-1.605	0 %100
197	M276A	Y	-1.605	-1.605	0 %100
198	M277	Y	-1.605	-1.605	0 %100
199	M277A	Y	-1.605	-1.605	0 %100
200	M278	Y	-1.605	-1.605	0 %100
201	M278A	Y	-1.605	-1.605	0 %100
202	M279	Y	-1.605	-1.605	0 %100
203	M279A	Y	-1.605	-1.605	0 %100
204	M280	Y	-1.605	-1.605	0 %100
205	M280A	Y	-1.605	-1.605	0 %100
206	M281	Y	-1.605	-1.605	0 %100
207	M281A	Y	-1.605	-1.605	0 %100
208	M282	Y	-1.605	-1.605	0 %100
209	M282A	Y	-1.605	-1.605	0 %100
210	M283	Y	-1.605	-1.605	0 %100
211	M283A	Y	-1.605	-1.605	0 %100
212	M284	Y	-1.605	-1.605	0 %100
213	M284A	Y	-1.605	-1.605	0 %100
214	M285	Y	-1.605	-1.605	0 %100
215	M285A	Y	-1.605	-1.605	0 %100
216	M286	Y	-1.605	-1.605	0 %100
217	M286A	Y	-1.605	-1.605	0 %100
218	M287	Y	-1.605	-1.605	0 %100
219	M287A	Y	-1.605	-1.605	0 %100
220	M288	Y	-1.605	-1.605	0 %100
221	M288A	Y	-1.605	-1.605	0 %100
222	M289	Y	-1.605	-1.605	0 %100
223	M289A	Y	-1.605	-1.605	0 %100
224	M290	Y	-1.605	-1.605	0 %100
225	M290A	Y	-1.605	-1.605	0 %100
226	M291	Y	-1.605	-1.605	0 %100
227	M291A	Y	-1.605	-1.605	0 %100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
228	M292	Y	-1.605	-1.605	0	%100
229	M292A	Y	-1.605	-1.605	0	%100
230	M293	Y	-1.605	-1.605	0	%100
231	M293A	Y	-1.605	-1.605	0	%100
232	M294	Y	-1.605	-1.605	0	%100
233	M294A	Y	-1.605	-1.605	0	%100
234	M295	Y	-1.605	-1.605	0	%100
235	M295A	Y	-1.605	-1.605	0	%100
236	M296	Y	-1.605	-1.605	0	%100
237	M296A	Y	-1.605	-1.605	0	%100
238	M297	Y	-1.605	-1.605	0	%100
239	M297A	Y	-1.605	-1.605	0	%100
240	M298	Y	-1.605	-1.605	0	%100
241	M298A	Y	-1.605	-1.605	0	%100
242	M299	Y	-1.605	-1.605	0	%100
243	M299A	Y	-1.605	-1.605	0	%100
244	M300	Y	-1.605	-1.605	0	%100
245	M300A	Y	-1.605	-1.605	0	%100
246	M301	Y	-1.605	-1.605	0	%100
247	M301A	Y	-1.605	-1.605	0	%100
248	M302	Y	-1.605	-1.605	0	%100
249	M302A	Y	-1.605	-1.605	0	%100
250	M303	Y	-1.605	-1.605	0	%100
251	M303A	Y	-1.605	-1.605	0	%100
252	M304	Y	-1.605	-1.605	0	%100
253	M304A	Y	-1.605	-1.605	0	%100
254	M305	Y	-1.605	-1.605	0	%100
255	M305A	Y	-1.605	-1.605	0	%100
256	M306	Y	-1.605	-1.605	0	%100
257	M306A	Y	-1.605	-1.605	0	%100
258	M307	Y	-1.605	-1.605	0	%100
259	M307A	Y	-1.605	-1.605	0	%100
260	M308	Y	-1.605	-1.605	0	%100
261	M308A	Y	-1.605	-1.605	0	%100
262	M309	Y	-1.605	-1.605	0	%100
263	M310	Y	-1.605	-1.605	0	%100
264	M310A	Y	-1.605	-1.605	0	%100
265	M311	Y	-1.605	-1.605	0	%100
266	M311A	Y	-1.605	-1.605	0	%100
267	M312	Y	-1.605	-1.605	0	%100
268	M312A	Y	-1.605	-1.605	0	%100
269	M313	Y	-1.605	-1.605	0	%100
270	M313A	Y	-1.605	-1.605	0	%100
271	M314	Y	-1.605	-1.605	0	%100
272	M314A	Y	-1.605	-1.605	0	%100
273	M315	Y	-1.605	-1.605	0	%100
274	M315A	Y	-1.605	-1.605	0	%100
275	M316	Y	-1.605	-1.605	0	%100
276	M316A	Y	-1.605	-1.605	0	%100
277	M317	Y	-1.605	-1.605	0	%100
278	M317A	Y	-1.605	-1.605	0	%100
279	M318	Y	-1.605	-1.605	0	%100
280	M318A	Y	-1.605	-1.605	0	%100
281	M319	Y	-1.605	-1.605	0	%100
282	M319A	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
283	M320	Y	-1.605	-1.605	0	%100
284	M320A	Y	-1.605	-1.605	0	%100
285	M321	Y	-1.605	-1.605	0	%100
286	M321A	Y	-1.605	-1.605	0	%100
287	M322	Y	-1.605	-1.605	0	%100
288	M322A	Y	-1.605	-1.605	0	%100
289	M323	Y	-1.605	-1.605	0	%100
290	M323A	Y	-1.605	-1.605	0	%100
291	M324	Y	-1.605	-1.605	0	%100
292	M324A	Y	-1.605	-1.605	0	%100
293	M325	Y	-1.605	-1.605	0	%100
294	M325A	Y	-1.605	-1.605	0	%100
295	M326	Y	-1.605	-1.605	0	%100
296	M326A	Y	-1.605	-1.605	0	%100
297	M327	Y	-1.605	-1.605	0	%100
298	M327A	Y	-1.605	-1.605	0	%100
299	M328	Y	-1.605	-1.605	0	%100
300	M328A	Y	-1.605	-1.605	0	%100
301	M329	Y	-1.605	-1.605	0	%100
302	M329A	Y	-1.605	-1.605	0	%100
303	M330	Y	-1.605	-1.605	0	%100
304	M330A	Y	-1.605	-1.605	0	%100
305	M331	Y	-1.605	-1.605	0	%100
306	M331A	Y	-1.605	-1.605	0	%100
307	M332	Y	-1.605	-1.605	0	%100
308	M332A	Y	-1.605	-1.605	0	%100
309	M332B	Y	-1.605	-1.605	0	%100
310	M333	Y	-1.605	-1.605	0	%100
311	M333A	Y	-1.605	-1.605	0	%100
312	M334	Y	-1.605	-1.605	0	%100
313	M334A	Y	-1.605	-1.605	0	%100
314	M335	Y	-1.605	-1.605	0	%100
315	M335A	Y	-1.605	-1.605	0	%100
316	M336	Y	-1.605	-1.605	0	%100
317	M337	Y	-1.605	-1.605	0	%100
318	M338	Y	-1.605	-1.605	0	%100
319	M339	Y	-1.605	-1.605	0	%100
320	M340	Y	-1.605	-1.605	0	%100
321	M341	Y	-1.605	-1.605	0	%100
322	M342	Y	-1.605	-1.605	0	%100
323	M343	Y	-1.605	-1.605	0	%100
324	M344	Y	-1.605	-1.605	0	%100
325	M345	Y	-1.605	-1.605	0	%100
326	M355	Y	-1.605	-1.605	0	%100
327	M356	Y	-1.605	-1.605	0	%100
328	M357	Y	-1.605	-1.605	0	%100
329	M361	Y	-1.605	-1.605	0	%100
330	M362	Y	-1.605	-1.605	0	%100
331	M366	Y	-1.605	-1.605	0	%100
332	M367	Y	-1.605	-1.605	0	%100
333	M367A	Y	-1.605	-1.605	0	%100
334	M368	Y	-1.605	-1.605	0	%100
335	M369	Y	-1.605	-1.605	0	%100
336	M371	Y	-1.605	-1.605	0	%100
337	M372	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
338	M376	Y	-1.605	-1.605	0	%100
339	M377	Y	-1.605	-1.605	0	%100
340	M381	Y	-1.605	-1.605	0	%100
341	M382	Y	-1.605	-1.605	0	%100
342	M386	Y	-1.605	-1.605	0	%100
343	M387	Y	-1.605	-1.605	0	%100
344	M391	Y	-1.605	-1.605	0	%100
345	M392	Y	-1.605	-1.605	0	%100
346	M393	Y	-1.605	-1.605	0	%100
347	M394	Y	-1.605	-1.605	0	%100
348	M395	Y	-1.605	-1.605	0	%100
349	M408	Y	-1.605	-1.605	0	%100
350	M409	Y	-1.605	-1.605	0	%100
351	M410	Y	-1.605	-1.605	0	%100
352	M411	Y	-1.605	-1.605	0	%100
353	M412	Y	-18.538	-18.538	0	%100
354	M416	Y	-1.605	-1.605	0	%100
355	M417	Y	-1.605	-1.605	0	%100
356	M418	Y	-1.605	-1.605	0	%100
357	M422	Y	-1.605	-1.605	0	%100
358	M423	Y	-1.605	-1.605	0	%100
359	M427	Y	-1.605	-1.605	0	%100
360	M428	Y	-1.605	-1.605	0	%100
361	M432	Y	-1.605	-1.605	0	%100
362	M433	Y	-1.605	-1.605	0	%100
363	M437	Y	-1.605	-1.605	0	%100
364	M438	Y	-1.605	-1.605	0	%100
365	M442	Y	-1.605	-1.605	0	%100
366	M443	Y	-1.605	-1.605	0	%100
367	M447	Y	-1.605	-1.605	0	%100
368	M448	Y	-1.605	-1.605	0	%100
369	M452	Y	-1.605	-1.605	0	%100
370	M453	Y	-1.605	-1.605	0	%100
371	M454	Y	-1.605	-1.605	0	%100
372	M455	Y	-1.605	-1.605	0	%100
373	M456	Y	-1.605	-1.605	0	%100
374	M469	Y	-1.605	-1.605	0	%100
375	M470	Y	-1.605	-1.605	0	%100
376	M471	Y	-1.605	-1.605	0	%100
377	M472	Y	-1.605	-1.605	0	%100
378	M473	Y	-18.538	-18.538	0	%100
379	M477	Y	-1.605	-1.605	0	%100
380	M478	Y	-1.605	-1.605	0	%100
381	M479	Y	-1.605	-1.605	0	%100
382	M483	Y	-1.605	-1.605	0	%100
383	M484	Y	-1.605	-1.605	0	%100
384	M488	Y	-1.605	-1.605	0	%100
385	M489	Y	-1.605	-1.605	0	%100
386	M493	Y	-1.605	-1.605	0	%100
387	M494	Y	-1.605	-1.605	0	%100
388	M498	Y	-1.605	-1.605	0	%100
389	M499	Y	-1.605	-1.605	0	%100
390	M503	Y	-1.605	-1.605	0	%100
391	M504	Y	-1.605	-1.605	0	%100
392	M505	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
393	M506A	Y	-1.605	-1.605	0 %100
394	M507A	Y	-1.605	-1.605	0 %100
395	M508	Y	-1.605	-1.605	0 %100
396	M508A	Y	-1.605	-1.605	0 %100
397	M508B	Y	-1.605	-1.605	0 %100
398	M509	Y	-1.605	-1.605	0 %100
399	M509A	Y	-1.605	-1.605	0 %100
400	M510A	Y	-1.605	-1.605	0 %100
401	M511	Y	-1.605	-1.605	0 %100
402	M511A	Y	-1.605	-1.605	0 %100
403	M512	Y	-1.605	-1.605	0 %100
404	M512A	Y	-1.605	-1.605	0 %100
405	M513	Y	-1.605	-1.605	0 %100
406	M513A	Y	-1.605	-1.605	0 %100
407	M514	Y	-1.605	-1.605	0 %100
408	M514A	Y	-1.605	-1.605	0 %100
409	M514C	Y	-1.605	-1.605	0 %100
410	M514D	Y	-1.605	-1.605	0 %100
411	M515	Y	-1.605	-1.605	0 %100
412	M515A	Y	-1.605	-1.605	0 %100
413	M515B	Y	-1.605	-1.605	0 %100
414	M515C	Y	-1.605	-1.605	0 %100
415	M516	Y	-1.605	-1.605	0 %100
416	M516A	Y	-1.605	-1.605	0 %100
417	M516B	Y	-1.605	-1.605	0 %100
418	M516C	Y	-1.605	-1.605	0 %100
419	M517	Y	-1.605	-1.605	0 %100
420	M517A	Y	-1.605	-1.605	0 %100
421	M518A	Y	-1.605	-1.605	0 %100
422	M519A	Y	-1.605	-1.605	0 %100
423	M520A	Y	-1.605	-1.605	0 %100
424	M521A	Y	-1.605	-1.605	0 %100
425	M522	Y	-1.605	-1.605	0 %100
426	M523	Y	-1.605	-1.605	0 %100
427	M524	Y	-1.605	-1.605	0 %100
428	M525	Y	-1.605	-1.605	0 %100
429	M526A	Y	-1.605	-1.605	0 %100
430	M527A	Y	-1.605	-1.605	0 %100
431	M528A	Y	-1.605	-1.605	0 %100
432	M529A	Y	-1.605	-1.605	0 %100
433	M530	Y	-1.605	-1.605	0 %100
434	M530A	Y	-1.605	-1.605	0 %100
435	M531	Y	-1.605	-1.605	0 %100
436	M532	Y	-1.605	-1.605	0 %100
437	M533	Y	-1.605	-1.605	0 %100
438	M534	Y	-18.538	-18.538	0 %100
439	M535	Y	-1.605	-1.605	0 %100
440	M536	Y	-1.605	-1.605	0 %100
441	M537	Y	-1.605	-1.605	0 %100
442	M538	Y	-1.605	-1.605	0 %100
443	M539	Y	-1.605	-1.605	0 %100
444	M540	Y	-1.605	-1.605	0 %100
445	MP1	Y	-4.93	-4.93	0 %100
446	MP2	Y	-4.93	-4.93	0 %100
447	MP3	Y	-4.93	-4.93	0 %100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
448	MP4	Y	-4.93	-4.93	0	%100
449	MP5	Y	-4.93	-4.93	0	%100
450	MP8	Y	-4.93	-4.93	0	%100
451	MP9	Y	-4.93	-4.93	0	%100
452	MP12	Y	-4.93	-4.93	0	%100
453	R3	Y	-1.605	-1.605	0	%100
454	R4	Y	-1.605	-1.605	0	%100
455	R5	Y	-1.605	-1.605	0	%100
456	R6	Y	-1.605	-1.605	0	%100
457	R7	Y	-1.605	-1.605	0	%100
458	R8	Y	-1.605	-1.605	0	%100
459	R9	Y	-1.605	-1.605	0	%100
460	R10	Y	-1.605	-1.605	0	%100
461	M461	Y	-1.605	-1.605	0	%100
462	M462	Y	-1.605	-1.605	0	%100
463	M463	Y	-1.605	-1.605	0	%100
464	M464	Y	-1.605	-1.605	0	%100
465	MP11	Y	-4.93	-4.93	0	%100
466	M466	Y	-1.605	-1.605	0	%100
467	M467	Y	-1.605	-1.605	0	%100
468	M468	Y	-1.605	-1.605	0	%100
469	M474	Y	-1.605	-1.605	0	%100
470	M475	Y	-1.605	-1.605	0	%100
471	M476	Y	-1.605	-1.605	0	%100
472	M480	Y	-1.605	-1.605	0	%100
473	M481	Y	-1.605	-1.605	0	%100
474	M482	Y	-1.605	-1.605	0	%100
475	M485	Y	-1.605	-1.605	0	%100
476	M486	Y	-1.605	-1.605	0	%100
477	M487	Y	-1.605	-1.605	0	%100
478	M490	Y	-1.605	-1.605	0	%100
479	MP10	Y	-4.93	-4.93	0	%100
480	M492	Y	-1.605	-1.605	0	%100
481	M495	Y	-1.605	-1.605	0	%100
482	M496	Y	-1.605	-1.605	0	%100
483	M497	Y	-1.605	-1.605	0	%100
484	M500	Y	-1.605	-1.605	0	%100
485	M501	Y	-1.605	-1.605	0	%100
486	M502	Y	-1.605	-1.605	0	%100
487	M506	Y	-1.605	-1.605	0	%100
488	M507	Y	-1.605	-1.605	0	%100
489	M510	Y	-1.605	-1.605	0	%100
490	M518	Y	-1.605	-1.605	0	%100
491	M519	Y	-1.605	-1.605	0	%100
492	M520	Y	-1.605	-1.605	0	%100
493	MP7	Y	-4.93	-4.93	0	%100
494	M526	Y	-1.605	-1.605	0	%100
495	M527	Y	-1.605	-1.605	0	%100
496	M528	Y	-1.605	-1.605	0	%100
497	M529	Y	-1.605	-1.605	0	%100
498	M541	Y	-1.605	-1.605	0	%100
499	M542	Y	-1.605	-1.605	0	%100
500	M543	Y	-1.605	-1.605	0	%100
501	M544	Y	-1.605	-1.605	0	%100
502	M545	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
503	M546	Y	-1.605	-1.605	0	%100
504	M547	Y	-1.605	-1.605	0	%100
505	M548	Y	-1.605	-1.605	0	%100
506	M549	Y	-1.605	-1.605	0	%100
507	MP6	Y	-4.93	-4.93	0	%100
508	M551	Y	-1.605	-1.605	0	%100
509	M552	Y	-1.605	-1.605	0	%100
510	M553	Y	-1.605	-1.605	0	%100
511	M554	Y	-1.605	-1.605	0	%100
512	M555	Y	-1.605	-1.605	0	%100
513	M556	Y	-1.605	-1.605	0	%100
514	M557	Y	-1.605	-1.605	0	%100
515	M558	Y	-1.605	-1.605	0	%100
516	M559	Y	-1.605	-1.605	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	SZ	0	0	0	%100
2	M33	SZ	0	0	0	%100
3	M34A	SZ	0	0	0	%100
4	M45A	SZ	-14.968	-14.968	0	%100
5	M50	SZ	0	0	0	%100
6	M51	SZ	0	0	0	%100
7	M52	SZ	0	0	0	%100
8	M53	SZ	0	0	0	%100
9	M54	SZ	-14.173	-14.173	0	%100
10	M54A	SZ	0	0	0	%100
11	M55	SZ	0	0	0	%100
12	M56	SZ	0	0	0	%100
13	M57	SZ	0	0	0	%100
14	M57A	SZ	0	0	0	%100
15	M58	SZ	0	0	0	%100
16	M59	SZ	0	0	0	%100
17	M59A	SZ	0	0	0	%100
18	M60	SZ	0	0	0	%100
19	M60A	SZ	0	0	0	%100
20	M61	SZ	0	0	0	%100
21	M61A	SZ	0	0	0	%100
22	M62	SZ	0	0	0	%100
23	M62A	SZ	0	0	0	%100
24	M63	SZ	0	0	0	%100
25	M63A	SZ	0	0	0	%100
26	M64	SZ	0	0	0	%100
27	M64A	SZ	0	0	0	%100
28	M65	SZ	0	0	0	%100
29	M65A	SZ	0	0	0	%100
30	M66	SZ	0	0	0	%100
31	M66A	SZ	0	0	0	%100
32	M67	SZ	0	0	0	%100
33	M68	SZ	-14.968	-14.968	0	%100
34	M70	SZ	0	0	0	%100
35	M73	SZ	-14.968	-14.968	0	%100
36	M74	SZ	-14.968	-14.968	0	%100
37	M74B	SZ	-14.968	-14.968	0	%100
38	M74C	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
39	M75	SZ	-14.968	-14.968	0	%100
40	M75B	SZ	-14.968	-14.968	0	%100
41	M76	SZ	-14.968	-14.968	0	%100
42	M77	SZ	-14.173	-14.173	0	%100
43	M78	SZ	0	0	0	%100
44	M79	SZ	0	0	0	%100
45	M80	SZ	0	0	0	%100
46	M81	SZ	0	0	0	%100
47	M82	SZ	0	0	0	%100
48	M83	SZ	0	0	0	%100
49	M84	SZ	0	0	0	%100
50	M85	SZ	0	0	0	%100
51	M94	SZ	0	0	0	%100
52	M95	SZ	0	0	0	%100
53	M96	SZ	0	0	0	%100
54	M97	SZ	0	0	0	%100
55	M99	SZ	0	0	0	%100
56	M100	SZ	0	0	0	%100
57	M101	SZ	0	0	0	%100
58	M102	SZ	0	0	0	%100
59	M103	SZ	0	0	0	%100
60	M104	SZ	0	0	0	%100
61	M105	SZ	0	0	0	%100
62	M106	SZ	0	0	0	%100
63	M108	SZ	0	0	0	%100
64	M109	SZ	0	0	0	%100
65	M110	SZ	0	0	0	%100
66	M111	SZ	0	0	0	%100
67	M112	SZ	0	0	0	%100
68	M113	SZ	0	0	0	%100
69	M114	SZ	0	0	0	%100
70	M115	SZ	0	0	0	%100
71	M116	SZ	0	0	0	%100
72	M117	SZ	0	0	0	%100
73	M118	SZ	0	0	0	%100
74	M119	SZ	0	0	0	%100
75	M122	SZ	-14.968	-14.968	0	%100
76	M123	SZ	-14.968	-14.968	0	%100
77	M124	SZ	-14.968	-14.968	0	%100
78	M125	SZ	-14.968	-14.968	0	%100
79	M126	SZ	-14.173	-14.173	0	%100
80	M127	SZ	0	0	0	%100
81	M127A	SZ	0	0	0	%100
82	M128	SZ	0	0	0	%100
83	M128A	SZ	0	0	0	%100
84	M129	SZ	0	0	0	%100
85	M129A	SZ	0	0	0	%100
86	M130	SZ	0	0	0	%100
87	M130A	SZ	0	0	0	%100
88	M131	SZ	0	0	0	%100
89	M131A	SZ	0	0	0	%100
90	M132	SZ	0	0	0	%100
91	M132A	SZ	0	0	0	%100
92	M133	SZ	0	0	0	%100
93	M133A	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
94	M134	SZ	0	0	0	%100
95	M134A	SZ	0	0	0	%100
96	M136A	SZ	0	0	0	%100
97	M137A	SZ	0	0	0	%100
98	M138A	SZ	0	0	0	%100
99	M139A	SZ	0	0	0	%100
100	M140A	SZ	0	0	0	%100
101	M141A	SZ	0	0	0	%100
102	M142	SZ	0	0	0	%100
103	M143	SZ	0	0	0	%100
104	M146A	SZ	-17.466	-17.466	0	%100
105	M177	SZ	-17.466	-17.466	0	%100
106	M182	SZ	-17.466	-17.466	0	%100
107	M198	SZ	0	0	0	%100
108	M199	SZ	0	0	0	%100
109	M200	SZ	0	0	0	%100
110	M201	SZ	0	0	0	%100
111	M202	SZ	0	0	0	%100
112	M203	SZ	0	0	0	%100
113	M204	SZ	0	0	0	%100
114	M205	SZ	0	0	0	%100
115	M206	SZ	0	0	0	%100
116	M207	SZ	0	0	0	%100
117	M208	SZ	0	0	0	%100
118	M209	SZ	0	0	0	%100
119	M210	SZ	0	0	0	%100
120	M211	SZ	0	0	0	%100
121	M212	SZ	0	0	0	%100
122	M213	SZ	0	0	0	%100
123	M214	SZ	0	0	0	%100
124	M215	SZ	0	0	0	%100
125	M216	SZ	0	0	0	%100
126	M217	SZ	0	0	0	%100
127	M218	SZ	0	0	0	%100
128	M219	SZ	0	0	0	%100
129	M220	SZ	0	0	0	%100
130	M221	SZ	0	0	0	%100
131	M222	SZ	0	0	0	%100
132	M223	SZ	0	0	0	%100
133	M224	SZ	0	0	0	%100
134	M225	SZ	0	0	0	%100
135	M226	SZ	0	0	0	%100
136	M227	SZ	0	0	0	%100
137	M228	SZ	0	0	0	%100
138	M229	SZ	0	0	0	%100
139	M230	SZ	0	0	0	%100
140	M231	SZ	0	0	0	%100
141	M232	SZ	0	0	0	%100
142	M233	SZ	0	0	0	%100
143	M234	SZ	0	0	0	%100
144	M235	SZ	0	0	0	%100
145	M236	SZ	0	0	0	%100
146	M237	SZ	0	0	0	%100
147	M238	SZ	0	0	0	%100
148	M239	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
149	M240	SZ	0	0	%100
150	M241	SZ	0	0	%100
151	M242	SZ	0	0	%100
152	M243	SZ	0	0	%100
153	M244	SZ	0	0	%100
154	M245	SZ	0	0	%100
155	M246	SZ	0	0	%100
156	M247	SZ	0	0	%100
157	M248	SZ	0	0	%100
158	M249	SZ	0	0	%100
159	M250	SZ	0	0	%100
160	M251	SZ	0	0	%100
161	M252	SZ	0	0	%100
162	M253	SZ	0	0	%100
163	M254	SZ	0	0	%100
164	M255	SZ	0	0	%100
165	M256	SZ	0	0	%100
166	M257	SZ	0	0	%100
167	M258	SZ	0	0	%100
168	M259	SZ	0	0	%100
169	M260	SZ	0	0	%100
170	M261	SZ	0	0	%100
171	M262	SZ	0	0	%100
172	M263	SZ	0	0	%100
173	M264	SZ	0	0	%100
174	M265	SZ	0	0	%100
175	M265A	SZ	0	0	%100
176	M266	SZ	0	0	%100
177	M266A	SZ	0	0	%100
178	M267	SZ	0	0	%100
179	M267A	SZ	0	0	%100
180	M268	SZ	0	0	%100
181	M268A	SZ	0	0	%100
182	M269	SZ	0	0	%100
183	M269A	SZ	0	0	%100
184	M270	SZ	0	0	%100
185	M270A	SZ	0	0	%100
186	M271	SZ	0	0	%100
187	M271A	SZ	0	0	%100
188	M272	SZ	0	0	%100
189	M272A	SZ	0	0	%100
190	M273	SZ	0	0	%100
191	M273A	SZ	0	0	%100
192	M274	SZ	0	0	%100
193	M274A	SZ	0	0	%100
194	M275	SZ	0	0	%100
195	M275A	SZ	0	0	%100
196	M276	SZ	0	0	%100
197	M276A	SZ	0	0	%100
198	M277	SZ	0	0	%100
199	M277A	SZ	0	0	%100
200	M278	SZ	0	0	%100
201	M278A	SZ	0	0	%100
202	M279	SZ	0	0	%100
203	M279A	SZ	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
204	M280	SZ	0	0	0	%100
205	M280A	SZ	0	0	0	%100
206	M281	SZ	0	0	0	%100
207	M281A	SZ	0	0	0	%100
208	M282	SZ	0	0	0	%100
209	M282A	SZ	0	0	0	%100
210	M283	SZ	0	0	0	%100
211	M283A	SZ	0	0	0	%100
212	M284	SZ	0	0	0	%100
213	M284A	SZ	0	0	0	%100
214	M285	SZ	0	0	0	%100
215	M285A	SZ	0	0	0	%100
216	M286	SZ	0	0	0	%100
217	M286A	SZ	0	0	0	%100
218	M287	SZ	0	0	0	%100
219	M287A	SZ	0	0	0	%100
220	M288	SZ	0	0	0	%100
221	M288A	SZ	0	0	0	%100
222	M289	SZ	0	0	0	%100
223	M289A	SZ	0	0	0	%100
224	M290	SZ	0	0	0	%100
225	M290A	SZ	0	0	0	%100
226	M291	SZ	0	0	0	%100
227	M291A	SZ	0	0	0	%100
228	M292	SZ	0	0	0	%100
229	M292A	SZ	0	0	0	%100
230	M293	SZ	0	0	0	%100
231	M293A	SZ	0	0	0	%100
232	M294	SZ	0	0	0	%100
233	M294A	SZ	0	0	0	%100
234	M295	SZ	0	0	0	%100
235	M295A	SZ	0	0	0	%100
236	M296	SZ	0	0	0	%100
237	M296A	SZ	0	0	0	%100
238	M297	SZ	0	0	0	%100
239	M297A	SZ	0	0	0	%100
240	M298	SZ	0	0	0	%100
241	M298A	SZ	0	0	0	%100
242	M299	SZ	0	0	0	%100
243	M299A	SZ	0	0	0	%100
244	M300	SZ	0	0	0	%100
245	M300A	SZ	0	0	0	%100
246	M301	SZ	0	0	0	%100
247	M301A	SZ	0	0	0	%100
248	M302	SZ	0	0	0	%100
249	M302A	SZ	0	0	0	%100
250	M303	SZ	0	0	0	%100
251	M303A	SZ	0	0	0	%100
252	M304	SZ	0	0	0	%100
253	M304A	SZ	0	0	0	%100
254	M305	SZ	0	0	0	%100
255	M305A	SZ	0	0	0	%100
256	M306	SZ	0	0	0	%100
257	M306A	SZ	0	0	0	%100
258	M307	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
259	M307A	SZ	0	0	0	%100
260	M308	SZ	0	0	0	%100
261	M308A	SZ	0	0	0	%100
262	M309	SZ	0	0	0	%100
263	M310	SZ	0	0	0	%100
264	M310A	SZ	0	0	0	%100
265	M311	SZ	0	0	0	%100
266	M311A	SZ	0	0	0	%100
267	M312	SZ	0	0	0	%100
268	M312A	SZ	0	0	0	%100
269	M313	SZ	0	0	0	%100
270	M313A	SZ	0	0	0	%100
271	M314	SZ	0	0	0	%100
272	M314A	SZ	0	0	0	%100
273	M315	SZ	0	0	0	%100
274	M315A	SZ	0	0	0	%100
275	M316	SZ	0	0	0	%100
276	M316A	SZ	0	0	0	%100
277	M317	SZ	0	0	0	%100
278	M317A	SZ	0	0	0	%100
279	M318	SZ	0	0	0	%100
280	M318A	SZ	0	0	0	%100
281	M319	SZ	0	0	0	%100
282	M319A	SZ	0	0	0	%100
283	M320	SZ	0	0	0	%100
284	M320A	SZ	0	0	0	%100
285	M321	SZ	0	0	0	%100
286	M321A	SZ	0	0	0	%100
287	M322	SZ	0	0	0	%100
288	M322A	SZ	0	0	0	%100
289	M323	SZ	0	0	0	%100
290	M323A	SZ	0	0	0	%100
291	M324	SZ	0	0	0	%100
292	M324A	SZ	0	0	0	%100
293	M325	SZ	0	0	0	%100
294	M325A	SZ	0	0	0	%100
295	M326	SZ	0	0	0	%100
296	M326A	SZ	0	0	0	%100
297	M327	SZ	0	0	0	%100
298	M327A	SZ	0	0	0	%100
299	M328	SZ	0	0	0	%100
300	M328A	SZ	0	0	0	%100
301	M329	SZ	0	0	0	%100
302	M329A	SZ	0	0	0	%100
303	M330	SZ	0	0	0	%100
304	M330A	SZ	0	0	0	%100
305	M331	SZ	0	0	0	%100
306	M331A	SZ	0	0	0	%100
307	M332	SZ	0	0	0	%100
308	M332A	SZ	0	0	0	%100
309	M332B	SZ	0	0	0	%100
310	M333	SZ	0	0	0	%100
311	M333A	SZ	0	0	0	%100
312	M334	SZ	0	0	0	%100
313	M334A	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
314	M335	SZ	0	0	0	%100
315	M335A	SZ	0	0	0	%100
316	M336	SZ	0	0	0	%100
317	M337	SZ	0	0	0	%100
318	M338	SZ	0	0	0	%100
319	M339	SZ	0	0	0	%100
320	M340	SZ	0	0	0	%100
321	M341	SZ	0	0	0	%100
322	M342	SZ	0	0	0	%100
323	M343	SZ	0	0	0	%100
324	M344	SZ	0	0	0	%100
325	M345	SZ	0	0	0	%100
326	M355	SZ	0	0	0	%100
327	M356	SZ	0	0	0	%100
328	M357	SZ	0	0	0	%100
329	M361	SZ	0	0	0	%100
330	M362	SZ	0	0	0	%100
331	M366	SZ	0	0	0	%100
332	M367	SZ	0	0	0	%100
333	M367A	SZ	0	0	0	%100
334	M368	SZ	0	0	0	%100
335	M369	SZ	0	0	0	%100
336	M371	SZ	0	0	0	%100
337	M372	SZ	0	0	0	%100
338	M376	SZ	0	0	0	%100
339	M377	SZ	0	0	0	%100
340	M381	SZ	0	0	0	%100
341	M382	SZ	0	0	0	%100
342	M386	SZ	0	0	0	%100
343	M387	SZ	0	0	0	%100
344	M391	SZ	0	0	0	%100
345	M392	SZ	0	0	0	%100
346	M393	SZ	0	0	0	%100
347	M394	SZ	0	0	0	%100
348	M395	SZ	0	0	0	%100
349	M408	SZ	0	0	0	%100
350	M409	SZ	0	0	0	%100
351	M410	SZ	0	0	0	%100
352	M411	SZ	0	0	0	%100
353	M412	SZ	-11.56	-11.56	0	%100
354	M416	SZ	0	0	0	%100
355	M417	SZ	0	0	0	%100
356	M418	SZ	0	0	0	%100
357	M422	SZ	0	0	0	%100
358	M423	SZ	0	0	0	%100
359	M427	SZ	0	0	0	%100
360	M428	SZ	0	0	0	%100
361	M432	SZ	0	0	0	%100
362	M433	SZ	0	0	0	%100
363	M437	SZ	0	0	0	%100
364	M438	SZ	0	0	0	%100
365	M442	SZ	0	0	0	%100
366	M443	SZ	0	0	0	%100
367	M447	SZ	0	0	0	%100
368	M448	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
369	M452	SZ	0	0	0	%100
370	M453	SZ	0	0	0	%100
371	M454	SZ	0	0	0	%100
372	M455	SZ	0	0	0	%100
373	M456	SZ	0	0	0	%100
374	M469	SZ	0	0	0	%100
375	M470	SZ	0	0	0	%100
376	M471	SZ	0	0	0	%100
377	M472	SZ	0	0	0	%100
378	M473	SZ	-11.56	-11.56	0	%100
379	M477	SZ	0	0	0	%100
380	M478	SZ	0	0	0	%100
381	M479	SZ	0	0	0	%100
382	M483	SZ	0	0	0	%100
383	M484	SZ	0	0	0	%100
384	M488	SZ	0	0	0	%100
385	M489	SZ	0	0	0	%100
386	M493	SZ	0	0	0	%100
387	M494	SZ	0	0	0	%100
388	M498	SZ	0	0	0	%100
389	M499	SZ	0	0	0	%100
390	M503	SZ	0	0	0	%100
391	M504	SZ	0	0	0	%100
392	M505	SZ	0	0	0	%100
393	M506A	SZ	0	0	0	%100
394	M507A	SZ	0	0	0	%100
395	M508	SZ	0	0	0	%100
396	M508A	SZ	0	0	0	%100
397	M508B	SZ	0	0	0	%100
398	M509	SZ	0	0	0	%100
399	M509A	SZ	0	0	0	%100
400	M510A	SZ	0	0	0	%100
401	M511	SZ	0	0	0	%100
402	M511A	SZ	0	0	0	%100
403	M512	SZ	0	0	0	%100
404	M512A	SZ	0	0	0	%100
405	M513	SZ	0	0	0	%100
406	M513A	SZ	0	0	0	%100
407	M514	SZ	0	0	0	%100
408	M514A	SZ	0	0	0	%100
409	M514C	SZ	0	0	0	%100
410	M514D	SZ	0	0	0	%100
411	M515	SZ	0	0	0	%100
412	M515A	SZ	0	0	0	%100
413	M515B	SZ	0	0	0	%100
414	M515C	SZ	0	0	0	%100
415	M516	SZ	0	0	0	%100
416	M516A	SZ	0	0	0	%100
417	M516B	SZ	0	0	0	%100
418	M516C	SZ	0	0	0	%100
419	M517	SZ	0	0	0	%100
420	M517A	SZ	0	0	0	%100
421	M518A	SZ	0	0	0	%100
422	M519A	SZ	0	0	0	%100
423	M520A	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
424	M521A	SZ	0	0	0	%100
425	M522	SZ	0	0	0	%100
426	M523	SZ	0	0	0	%100
427	M524	SZ	0	0	0	%100
428	M525	SZ	0	0	0	%100
429	M526A	SZ	0	0	0	%100
430	M527A	SZ	0	0	0	%100
431	M528A	SZ	0	0	0	%100
432	M529A	SZ	0	0	0	%100
433	M530	SZ	0	0	0	%100
434	M530A	SZ	0	0	0	%100
435	M531	SZ	0	0	0	%100
436	M532	SZ	0	0	0	%100
437	M533	SZ	0	0	0	%100
438	M534	SZ	-11.56	-11.56	0	%100
439	M535	SZ	0	0	0	%100
440	M536	SZ	0	0	0	%100
441	M537	SZ	0	0	0	%100
442	M538	SZ	0	0	0	%100
443	M539	SZ	0	0	0	%100
444	M540	SZ	0	0	0	%100
445	MP1	SZ	-19.097	-19.097	0	%100
446	MP2	SZ	-19.097	-19.097	0	%100
447	MP3	SZ	-19.097	-19.097	0	%100
448	MP4	SZ	-19.097	-19.097	0	%100
449	MP5	SZ	-19.097	-19.097	0	%100
450	MP8	SZ	-19.097	-19.097	0	%100
451	MP9	SZ	-19.097	-19.097	0	%100
452	MP12	SZ	-19.097	-19.097	0	%100
453	R3	SZ	0	0	0	%100
454	R4	SZ	0	0	0	%100
455	R5	SZ	0	0	0	%100
456	R6	SZ	0	0	0	%100
457	R7	SZ	0	0	0	%100
458	R8	SZ	0	0	0	%100
459	R9	SZ	0	0	0	%100
460	R10	SZ	0	0	0	%100
461	M461	SZ	0	0	0	%100
462	M462	SZ	0	0	0	%100
463	M463	SZ	0	0	0	%100
464	M464	SZ	0	0	0	%100
465	MP11	SZ	-19.097	-19.097	0	%100
466	M466	SZ	0	0	0	%100
467	M467	SZ	0	0	0	%100
468	M468	SZ	0	0	0	%100
469	M474	SZ	0	0	0	%100
470	M475	SZ	0	0	0	%100
471	M476	SZ	0	0	0	%100
472	M480	SZ	0	0	0	%100
473	M481	SZ	0	0	0	%100
474	M482	SZ	0	0	0	%100
475	M485	SZ	0	0	0	%100
476	M486	SZ	0	0	0	%100
477	M487	SZ	0	0	0	%100
478	M490	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
479	MP10	SZ	-19.097	-19.097	0 %100
480	M492	SZ	0	0	0 %100
481	M495	SZ	0	0	0 %100
482	M496	SZ	0	0	0 %100
483	M497	SZ	0	0	0 %100
484	M500	SZ	0	0	0 %100
485	M501	SZ	0	0	0 %100
486	M502	SZ	0	0	0 %100
487	M506	SZ	0	0	0 %100
488	M507	SZ	0	0	0 %100
489	M510	SZ	0	0	0 %100
490	M518	SZ	0	0	0 %100
491	M519	SZ	0	0	0 %100
492	M520	SZ	0	0	0 %100
493	MP7	SZ	-19.097	-19.097	0 %100
494	M526	SZ	0	0	0 %100
495	M527	SZ	0	0	0 %100
496	M528	SZ	0	0	0 %100
497	M529	SZ	0	0	0 %100
498	M541	SZ	0	0	0 %100
499	M542	SZ	0	0	0 %100
500	M543	SZ	0	0	0 %100
501	M544	SZ	0	0	0 %100
502	M545	SZ	0	0	0 %100
503	M546	SZ	0	0	0 %100
504	M547	SZ	0	0	0 %100
505	M548	SZ	0	0	0 %100
506	M549	SZ	0	0	0 %100
507	MP6	SZ	-19.097	-19.097	0 %100
508	M551	SZ	0	0	0 %100
509	M552	SZ	0	0	0 %100
510	M553	SZ	0	0	0 %100
511	M554	SZ	0	0	0 %100
512	M555	SZ	0	0	0 %100
513	M556	SZ	0	0	0 %100
514	M557	SZ	0	0	0 %100
515	M558	SZ	0	0	0 %100
516	M559	SZ	0	0	0 %100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	SX	0	0	0 %100
2	M33	SX	0	0	0 %100
3	M34A	SX	0	0	0 %100
4	M45A	SX	-14.968	-14.968	0 %100
5	M50	SX	0	0	0 %100
6	M51	SX	0	0	0 %100
7	M52	SX	0	0	0 %100
8	M53	SX	0	0	0 %100
9	M54	SX	-14.173	-14.173	0 %100
10	M54A	SX	0	0	0 %100
11	M55	SX	0	0	0 %100
12	M56	SX	0	0	0 %100
13	M57	SX	0	0	0 %100
14	M57A	SX	0	0	0 %100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
15	M58	SX	0	0	0	%100
16	M59	SX	0	0	0	%100
17	M59A	SX	0	0	0	%100
18	M60	SX	0	0	0	%100
19	M60A	SX	0	0	0	%100
20	M61	SX	0	0	0	%100
21	M61A	SX	0	0	0	%100
22	M62	SX	0	0	0	%100
23	M62A	SX	0	0	0	%100
24	M63	SX	0	0	0	%100
25	M63A	SX	0	0	0	%100
26	M64	SX	0	0	0	%100
27	M64A	SX	0	0	0	%100
28	M65	SX	0	0	0	%100
29	M65A	SX	0	0	0	%100
30	M66	SX	0	0	0	%100
31	M66A	SX	0	0	0	%100
32	M67	SX	0	0	0	%100
33	M68	SX	-14.968	-14.968	0	%100
34	M70	SX	0	0	0	%100
35	M73	SX	-14.968	-14.968	0	%100
36	M74	SX	-14.968	-14.968	0	%100
37	M74B	SX	-14.968	-14.968	0	%100
38	M74C	SX	0	0	0	%100
39	M75	SX	-14.968	-14.968	0	%100
40	M75B	SX	-14.968	-14.968	0	%100
41	M76	SX	-14.968	-14.968	0	%100
42	M77	SX	-14.173	-14.173	0	%100
43	M78	SX	0	0	0	%100
44	M79	SX	0	0	0	%100
45	M80	SX	0	0	0	%100
46	M81	SX	0	0	0	%100
47	M82	SX	0	0	0	%100
48	M83	SX	0	0	0	%100
49	M84	SX	0	0	0	%100
50	M85	SX	0	0	0	%100
51	M94	SX	0	0	0	%100
52	M95	SX	0	0	0	%100
53	M96	SX	0	0	0	%100
54	M97	SX	0	0	0	%100
55	M99	SX	0	0	0	%100
56	M100	SX	0	0	0	%100
57	M101	SX	0	0	0	%100
58	M102	SX	0	0	0	%100
59	M103	SX	0	0	0	%100
60	M104	SX	0	0	0	%100
61	M105	SX	0	0	0	%100
62	M106	SX	0	0	0	%100
63	M108	SX	0	0	0	%100
64	M109	SX	0	0	0	%100
65	M110	SX	0	0	0	%100
66	M111	SX	0	0	0	%100
67	M112	SX	0	0	0	%100
68	M113	SX	0	0	0	%100
69	M114	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
70	M115	SX	0	0	0	%100
71	M116	SX	0	0	0	%100
72	M117	SX	0	0	0	%100
73	M118	SX	0	0	0	%100
74	M119	SX	0	0	0	%100
75	M122	SX	-14.968	-14.968	0	%100
76	M123	SX	-14.968	-14.968	0	%100
77	M124	SX	-14.968	-14.968	0	%100
78	M125	SX	-14.968	-14.968	0	%100
79	M126	SX	-14.173	-14.173	0	%100
80	M127	SX	0	0	0	%100
81	M127A	SX	0	0	0	%100
82	M128	SX	0	0	0	%100
83	M128A	SX	0	0	0	%100
84	M129	SX	0	0	0	%100
85	M129A	SX	0	0	0	%100
86	M130	SX	0	0	0	%100
87	M130A	SX	0	0	0	%100
88	M131	SX	0	0	0	%100
89	M131A	SX	0	0	0	%100
90	M132	SX	0	0	0	%100
91	M132A	SX	0	0	0	%100
92	M133	SX	0	0	0	%100
93	M133A	SX	0	0	0	%100
94	M134	SX	0	0	0	%100
95	M134A	SX	0	0	0	%100
96	M136A	SX	0	0	0	%100
97	M137A	SX	0	0	0	%100
98	M138A	SX	0	0	0	%100
99	M139A	SX	0	0	0	%100
100	M140A	SX	0	0	0	%100
101	M141A	SX	0	0	0	%100
102	M142	SX	0	0	0	%100
103	M143	SX	0	0	0	%100
104	M146A	SX	-17.466	-17.466	0	%100
105	M177	SX	-17.466	-17.466	0	%100
106	M182	SX	-17.466	-17.466	0	%100
107	M198	SX	0	0	0	%100
108	M199	SX	0	0	0	%100
109	M200	SX	0	0	0	%100
110	M201	SX	0	0	0	%100
111	M202	SX	0	0	0	%100
112	M203	SX	0	0	0	%100
113	M204	SX	0	0	0	%100
114	M205	SX	0	0	0	%100
115	M206	SX	0	0	0	%100
116	M207	SX	0	0	0	%100
117	M208	SX	0	0	0	%100
118	M209	SX	0	0	0	%100
119	M210	SX	0	0	0	%100
120	M211	SX	0	0	0	%100
121	M212	SX	0	0	0	%100
122	M213	SX	0	0	0	%100
123	M214	SX	0	0	0	%100
124	M215	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
125	M216	SX	0	0	%100
126	M217	SX	0	0	%100
127	M218	SX	0	0	%100
128	M219	SX	0	0	%100
129	M220	SX	0	0	%100
130	M221	SX	0	0	%100
131	M222	SX	0	0	%100
132	M223	SX	0	0	%100
133	M224	SX	0	0	%100
134	M225	SX	0	0	%100
135	M226	SX	0	0	%100
136	M227	SX	0	0	%100
137	M228	SX	0	0	%100
138	M229	SX	0	0	%100
139	M230	SX	0	0	%100
140	M231	SX	0	0	%100
141	M232	SX	0	0	%100
142	M233	SX	0	0	%100
143	M234	SX	0	0	%100
144	M235	SX	0	0	%100
145	M236	SX	0	0	%100
146	M237	SX	0	0	%100
147	M238	SX	0	0	%100
148	M239	SX	0	0	%100
149	M240	SX	0	0	%100
150	M241	SX	0	0	%100
151	M242	SX	0	0	%100
152	M243	SX	0	0	%100
153	M244	SX	0	0	%100
154	M245	SX	0	0	%100
155	M246	SX	0	0	%100
156	M247	SX	0	0	%100
157	M248	SX	0	0	%100
158	M249	SX	0	0	%100
159	M250	SX	0	0	%100
160	M251	SX	0	0	%100
161	M252	SX	0	0	%100
162	M253	SX	0	0	%100
163	M254	SX	0	0	%100
164	M255	SX	0	0	%100
165	M256	SX	0	0	%100
166	M257	SX	0	0	%100
167	M258	SX	0	0	%100
168	M259	SX	0	0	%100
169	M260	SX	0	0	%100
170	M261	SX	0	0	%100
171	M262	SX	0	0	%100
172	M263	SX	0	0	%100
173	M264	SX	0	0	%100
174	M265	SX	0	0	%100
175	M265A	SX	0	0	%100
176	M266	SX	0	0	%100
177	M266A	SX	0	0	%100
178	M267	SX	0	0	%100
179	M267A	SX	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
180	M268	SX	0	0	%100
181	M268A	SX	0	0	%100
182	M269	SX	0	0	%100
183	M269A	SX	0	0	%100
184	M270	SX	0	0	%100
185	M270A	SX	0	0	%100
186	M271	SX	0	0	%100
187	M271A	SX	0	0	%100
188	M272	SX	0	0	%100
189	M272A	SX	0	0	%100
190	M273	SX	0	0	%100
191	M273A	SX	0	0	%100
192	M274	SX	0	0	%100
193	M274A	SX	0	0	%100
194	M275	SX	0	0	%100
195	M275A	SX	0	0	%100
196	M276	SX	0	0	%100
197	M276A	SX	0	0	%100
198	M277	SX	0	0	%100
199	M277A	SX	0	0	%100
200	M278	SX	0	0	%100
201	M278A	SX	0	0	%100
202	M279	SX	0	0	%100
203	M279A	SX	0	0	%100
204	M280	SX	0	0	%100
205	M280A	SX	0	0	%100
206	M281	SX	0	0	%100
207	M281A	SX	0	0	%100
208	M282	SX	0	0	%100
209	M282A	SX	0	0	%100
210	M283	SX	0	0	%100
211	M283A	SX	0	0	%100
212	M284	SX	0	0	%100
213	M284A	SX	0	0	%100
214	M285	SX	0	0	%100
215	M285A	SX	0	0	%100
216	M286	SX	0	0	%100
217	M286A	SX	0	0	%100
218	M287	SX	0	0	%100
219	M287A	SX	0	0	%100
220	M288	SX	0	0	%100
221	M288A	SX	0	0	%100
222	M289	SX	0	0	%100
223	M289A	SX	0	0	%100
224	M290	SX	0	0	%100
225	M290A	SX	0	0	%100
226	M291	SX	0	0	%100
227	M291A	SX	0	0	%100
228	M292	SX	0	0	%100
229	M292A	SX	0	0	%100
230	M293	SX	0	0	%100
231	M293A	SX	0	0	%100
232	M294	SX	0	0	%100
233	M294A	SX	0	0	%100
234	M295	SX	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
235	M295A	SX	0	0	0	%100
236	M296	SX	0	0	0	%100
237	M296A	SX	0	0	0	%100
238	M297	SX	0	0	0	%100
239	M297A	SX	0	0	0	%100
240	M298	SX	0	0	0	%100
241	M298A	SX	0	0	0	%100
242	M299	SX	0	0	0	%100
243	M299A	SX	0	0	0	%100
244	M300	SX	0	0	0	%100
245	M300A	SX	0	0	0	%100
246	M301	SX	0	0	0	%100
247	M301A	SX	0	0	0	%100
248	M302	SX	0	0	0	%100
249	M302A	SX	0	0	0	%100
250	M303	SX	0	0	0	%100
251	M303A	SX	0	0	0	%100
252	M304	SX	0	0	0	%100
253	M304A	SX	0	0	0	%100
254	M305	SX	0	0	0	%100
255	M305A	SX	0	0	0	%100
256	M306	SX	0	0	0	%100
257	M306A	SX	0	0	0	%100
258	M307	SX	0	0	0	%100
259	M307A	SX	0	0	0	%100
260	M308	SX	0	0	0	%100
261	M308A	SX	0	0	0	%100
262	M309	SX	0	0	0	%100
263	M310	SX	0	0	0	%100
264	M310A	SX	0	0	0	%100
265	M311	SX	0	0	0	%100
266	M311A	SX	0	0	0	%100
267	M312	SX	0	0	0	%100
268	M312A	SX	0	0	0	%100
269	M313	SX	0	0	0	%100
270	M313A	SX	0	0	0	%100
271	M314	SX	0	0	0	%100
272	M314A	SX	0	0	0	%100
273	M315	SX	0	0	0	%100
274	M315A	SX	0	0	0	%100
275	M316	SX	0	0	0	%100
276	M316A	SX	0	0	0	%100
277	M317	SX	0	0	0	%100
278	M317A	SX	0	0	0	%100
279	M318	SX	0	0	0	%100
280	M318A	SX	0	0	0	%100
281	M319	SX	0	0	0	%100
282	M319A	SX	0	0	0	%100
283	M320	SX	0	0	0	%100
284	M320A	SX	0	0	0	%100
285	M321	SX	0	0	0	%100
286	M321A	SX	0	0	0	%100
287	M322	SX	0	0	0	%100
288	M322A	SX	0	0	0	%100
289	M323	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
290	M323A	SX	0	0	0	%100
291	M324	SX	0	0	0	%100
292	M324A	SX	0	0	0	%100
293	M325	SX	0	0	0	%100
294	M325A	SX	0	0	0	%100
295	M326	SX	0	0	0	%100
296	M326A	SX	0	0	0	%100
297	M327	SX	0	0	0	%100
298	M327A	SX	0	0	0	%100
299	M328	SX	0	0	0	%100
300	M328A	SX	0	0	0	%100
301	M329	SX	0	0	0	%100
302	M329A	SX	0	0	0	%100
303	M330	SX	0	0	0	%100
304	M330A	SX	0	0	0	%100
305	M331	SX	0	0	0	%100
306	M331A	SX	0	0	0	%100
307	M332	SX	0	0	0	%100
308	M332A	SX	0	0	0	%100
309	M332B	SX	0	0	0	%100
310	M333	SX	0	0	0	%100
311	M333A	SX	0	0	0	%100
312	M334	SX	0	0	0	%100
313	M334A	SX	0	0	0	%100
314	M335	SX	0	0	0	%100
315	M335A	SX	0	0	0	%100
316	M336	SX	0	0	0	%100
317	M337	SX	0	0	0	%100
318	M338	SX	0	0	0	%100
319	M339	SX	0	0	0	%100
320	M340	SX	0	0	0	%100
321	M341	SX	0	0	0	%100
322	M342	SX	0	0	0	%100
323	M343	SX	0	0	0	%100
324	M344	SX	0	0	0	%100
325	M345	SX	0	0	0	%100
326	M355	SX	0	0	0	%100
327	M356	SX	0	0	0	%100
328	M357	SX	0	0	0	%100
329	M361	SX	0	0	0	%100
330	M362	SX	0	0	0	%100
331	M366	SX	0	0	0	%100
332	M367	SX	0	0	0	%100
333	M367A	SX	0	0	0	%100
334	M368	SX	0	0	0	%100
335	M369	SX	0	0	0	%100
336	M371	SX	0	0	0	%100
337	M372	SX	0	0	0	%100
338	M376	SX	0	0	0	%100
339	M377	SX	0	0	0	%100
340	M381	SX	0	0	0	%100
341	M382	SX	0	0	0	%100
342	M386	SX	0	0	0	%100
343	M387	SX	0	0	0	%100
344	M391	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
345	M392	SX	0	0	0	%100
346	M393	SX	0	0	0	%100
347	M394	SX	0	0	0	%100
348	M395	SX	0	0	0	%100
349	M408	SX	0	0	0	%100
350	M409	SX	0	0	0	%100
351	M410	SX	0	0	0	%100
352	M411	SX	0	0	0	%100
353	M412	SX	-11.56	-11.56	0	%100
354	M416	SX	0	0	0	%100
355	M417	SX	0	0	0	%100
356	M418	SX	0	0	0	%100
357	M422	SX	0	0	0	%100
358	M423	SX	0	0	0	%100
359	M427	SX	0	0	0	%100
360	M428	SX	0	0	0	%100
361	M432	SX	0	0	0	%100
362	M433	SX	0	0	0	%100
363	M437	SX	0	0	0	%100
364	M438	SX	0	0	0	%100
365	M442	SX	0	0	0	%100
366	M443	SX	0	0	0	%100
367	M447	SX	0	0	0	%100
368	M448	SX	0	0	0	%100
369	M452	SX	0	0	0	%100
370	M453	SX	0	0	0	%100
371	M454	SX	0	0	0	%100
372	M455	SX	0	0	0	%100
373	M456	SX	0	0	0	%100
374	M469	SX	0	0	0	%100
375	M470	SX	0	0	0	%100
376	M471	SX	0	0	0	%100
377	M472	SX	0	0	0	%100
378	M473	SX	-11.56	-11.56	0	%100
379	M477	SX	0	0	0	%100
380	M478	SX	0	0	0	%100
381	M479	SX	0	0	0	%100
382	M483	SX	0	0	0	%100
383	M484	SX	0	0	0	%100
384	M488	SX	0	0	0	%100
385	M489	SX	0	0	0	%100
386	M493	SX	0	0	0	%100
387	M494	SX	0	0	0	%100
388	M498	SX	0	0	0	%100
389	M499	SX	0	0	0	%100
390	M503	SX	0	0	0	%100
391	M504	SX	0	0	0	%100
392	M505	SX	0	0	0	%100
393	M506A	SX	0	0	0	%100
394	M507A	SX	0	0	0	%100
395	M508	SX	0	0	0	%100
396	M508A	SX	0	0	0	%100
397	M508B	SX	0	0	0	%100
398	M509	SX	0	0	0	%100
399	M509A	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
400	M510A	SX	0	0	0	%100
401	M511	SX	0	0	0	%100
402	M511A	SX	0	0	0	%100
403	M512	SX	0	0	0	%100
404	M512A	SX	0	0	0	%100
405	M513	SX	0	0	0	%100
406	M513A	SX	0	0	0	%100
407	M514	SX	0	0	0	%100
408	M514A	SX	0	0	0	%100
409	M514C	SX	0	0	0	%100
410	M514D	SX	0	0	0	%100
411	M515	SX	0	0	0	%100
412	M515A	SX	0	0	0	%100
413	M515B	SX	0	0	0	%100
414	M515C	SX	0	0	0	%100
415	M516	SX	0	0	0	%100
416	M516A	SX	0	0	0	%100
417	M516B	SX	0	0	0	%100
418	M516C	SX	0	0	0	%100
419	M517	SX	0	0	0	%100
420	M517A	SX	0	0	0	%100
421	M518A	SX	0	0	0	%100
422	M519A	SX	0	0	0	%100
423	M520A	SX	0	0	0	%100
424	M521A	SX	0	0	0	%100
425	M522	SX	0	0	0	%100
426	M523	SX	0	0	0	%100
427	M524	SX	0	0	0	%100
428	M525	SX	0	0	0	%100
429	M526A	SX	0	0	0	%100
430	M527A	SX	0	0	0	%100
431	M528A	SX	0	0	0	%100
432	M529A	SX	0	0	0	%100
433	M530	SX	0	0	0	%100
434	M530A	SX	0	0	0	%100
435	M531	SX	0	0	0	%100
436	M532	SX	0	0	0	%100
437	M533	SX	0	0	0	%100
438	M534	SX	-11.56	-11.56	0	%100
439	M535	SX	0	0	0	%100
440	M536	SX	0	0	0	%100
441	M537	SX	0	0	0	%100
442	M538	SX	0	0	0	%100
443	M539	SX	0	0	0	%100
444	M540	SX	0	0	0	%100
445	MP1	SX	-19.097	-19.097	0	%100
446	MP2	SX	-19.097	-19.097	0	%100
447	MP3	SX	-19.097	-19.097	0	%100
448	MP4	SX	-19.097	-19.097	0	%100
449	MP5	SX	-19.097	-19.097	0	%100
450	MP8	SX	-19.097	-19.097	0	%100
451	MP9	SX	-19.097	-19.097	0	%100
452	MP12	SX	-19.097	-19.097	0	%100
453	R3	SX	0	0	0	%100
454	R4	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
455	R5	SX	0	0	0	%100
456	R6	SX	0	0	0	%100
457	R7	SX	0	0	0	%100
458	R8	SX	0	0	0	%100
459	R9	SX	0	0	0	%100
460	R10	SX	0	0	0	%100
461	M461	SX	0	0	0	%100
462	M462	SX	0	0	0	%100
463	M463	SX	0	0	0	%100
464	M464	SX	0	0	0	%100
465	MP11	SX	-19.097	-19.097	0	%100
466	M466	SX	0	0	0	%100
467	M467	SX	0	0	0	%100
468	M468	SX	0	0	0	%100
469	M474	SX	0	0	0	%100
470	M475	SX	0	0	0	%100
471	M476	SX	0	0	0	%100
472	M480	SX	0	0	0	%100
473	M481	SX	0	0	0	%100
474	M482	SX	0	0	0	%100
475	M485	SX	0	0	0	%100
476	M486	SX	0	0	0	%100
477	M487	SX	0	0	0	%100
478	M490	SX	0	0	0	%100
479	MP10	SX	-19.097	-19.097	0	%100
480	M492	SX	0	0	0	%100
481	M495	SX	0	0	0	%100
482	M496	SX	0	0	0	%100
483	M497	SX	0	0	0	%100
484	M500	SX	0	0	0	%100
485	M501	SX	0	0	0	%100
486	M502	SX	0	0	0	%100
487	M506	SX	0	0	0	%100
488	M507	SX	0	0	0	%100
489	M510	SX	0	0	0	%100
490	M518	SX	0	0	0	%100
491	M519	SX	0	0	0	%100
492	M520	SX	0	0	0	%100
493	MP7	SX	-19.097	-19.097	0	%100
494	M526	SX	0	0	0	%100
495	M527	SX	0	0	0	%100
496	M528	SX	0	0	0	%100
497	M529	SX	0	0	0	%100
498	M541	SX	0	0	0	%100
499	M542	SX	0	0	0	%100
500	M543	SX	0	0	0	%100
501	M544	SX	0	0	0	%100
502	M545	SX	0	0	0	%100
503	M546	SX	0	0	0	%100
504	M547	SX	0	0	0	%100
505	M548	SX	0	0	0	%100
506	M549	SX	0	0	0	%100
507	MP6	SX	-19.097	-19.097	0	%100
508	M551	SX	0	0	0	%100
509	M552	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
510	M553	SX	0	0	%100
511	M554	SX	0	0	%100
512	M555	SX	0	0	%100
513	M556	SX	0	0	%100
514	M557	SX	0	0	%100
515	M558	SX	0	0	%100
516	M559	SX	0	0	%100

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M127	Y	-0.061	0	2.42
2	M127	Y	-0.525	2.42	4.84
3	M127	Y	-0.539	4.84	7.261
4	M132	Y	-0.383	0	3.981
5	M132	Y	-1.509	3.981	7.963
6	M132	Y	-2.002	7.963	11.944
7	M132	Y	-1.623	11.944	15.926
8	M132	Y	-1.376	15.926	19.907
9	M133	Y	-0.985	0	2.697
10	M133	Y	-1.302	2.697	5.394
11	M133	Y	-1.295	5.394	8.092
12	M133	Y	-1.355	8.092	10.789
13	M133	Y	-1.271	10.789	13.486
14	M134	Y	-1.459	0	1.4
15	M134	Y	-0.443	1.4	2.8
16	M134	Y	-0.422	2.8	4.2
17	M134	Y	-1.14	4.2	5.6
18	M134	Y	-1.508	5.6	7
19	M102	Y	-0.938	0	1.707
20	M102	Y	-0.592	1.707	3.414
21	M103	Y	-1.435	0	1.137
22	M103	Y	-0.8	1.137	2.273
23	M103	Y	-0.398	2.273	3.41
24	M104	Y	-2.093	0	0.854
25	M104	Y	-1.304	0.854	1.707
26	M104	Y	-0.946	1.707	2.561
27	M104	Y	-0.612	2.561	3.414
28	M122	Y	-0.432	0	6.995
29	M122	Y	-0.327	6.995	13.989
30	M122	Y	-0.483	13.989	20.984
31	M122	Y	-0.582	20.984	27.979
32	M122	Y	-0.323	27.979	34.973
33	M125	Y	-0.245	0	5.726
34	M125	Y	-0.432	5.726	11.452
35	M125	Y	-0.369	11.452	17.178
36	M125	Y	-0.329	17.178	22.904
37	M125	Y	-0.531	22.904	28.63
38	M128	Y	-0.124	0	2.42
39	M128	Y	-0.651	2.42	4.84
40	M128	Y	-0.479	4.84	7.261
41	M129	Y	-0.403	0	3.981
42	M129	Y	-1.519	3.981	7.963
43	M129	Y	-2.047	7.963	11.944
44	M129	Y	-1.709	11.944	15.926
45	M129	Y	-1.304	15.926	19.907

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
46	M130	Y	-0.977	-1.296	0	2.697
47	M130	Y	-1.296	-1.29	2.697	5.394
48	M130	Y	-1.29	-1.278	5.394	8.092
49	M130	Y	-1.278	-1.209	8.092	10.789
50	M130	Y	-1.209	-0.762	10.789	13.486
51	M131	Y	-1.463	-0.445	0	1.4
52	M131	Y	-0.445	-0.423	1.4	2.8
53	M131	Y	-0.423	-1.14	2.8	4.2
54	M131	Y	-1.14	-1.507	4.2	5.6
55	M131	Y	-1.507	-1.784	5.6	7
56	M99	Y	-0.168	-0.168	0	2
57	M100	Y	-0.185	-0.185	0	2
58	M101	Y	-0.239	-0.239	6.672e-12	2
59	M105	Y	-0.077	-0.077	0	2
60	M106	Y	-0.145	-0.145	0	2
61	M108	Y	-0.168	-0.168	0	2
62	M109	Y	-0.185	-0.185	0	2
63	M110	Y	-0.239	-0.239	0	2
64	M114	Y	-0.077	-0.077	0	2
65	M115	Y	-0.145	-0.145	6.071e-10	2
66	M126	Y	-0.396	-0.505	0	10.186
67	M126	Y	-0.505	-0.507	10.186	20.373
68	M126	Y	-0.507	-0.496	20.373	30.559
69	M126	Y	-0.496	-0.465	30.559	40.746
70	M126	Y	-0.465	-0.321	40.746	50.932
71	M456	Y	-0.193	-0.193	0	9.5
72	M472	Y	-0.193	-0.193	0	9.5
73	M473	Y	-1.309	-1.309	0	24
74	M473	Y	-1.309	-1.309	24	48
75	M473	Y	-1.309	-1.309	48	72
76	M473	Y	-1.309	-1.309	72	96
77	M473	Y	-1.309	-1.309	96	120
78	M473	Y	-1.309	-1.309	120	144
79	M523	Y	-0.387	-0.387	0	9.5
80	M530A	Y	-0.387	-0.387	0	9.5
81	M517	Y	-0.193	-0.193	0	9.5
82	M533	Y	-0.193	-0.193	0	9.5
83	M534	Y	-1.309	-1.309	0	24
84	M534	Y	-1.309	-1.309	24	48
85	M534	Y	-1.309	-1.309	48	72
86	M534	Y	-1.309	-1.309	72	96
87	M534	Y	-1.309	-1.309	96	120
88	M534	Y	-1.309	-1.309	120	144
89	M490	Y	-0.387	-0.387	0	9.5
90	M492	Y	-0.387	-0.387	0	9.5
91	M395	Y	-0.193	-0.193	0	9.5
92	M411	Y	-0.193	-0.193	0	9.5
93	M412	Y	-1.309	-1.309	0	24
94	M412	Y	-1.309	-1.309	24	48
95	M412	Y	-1.309	-1.309	48	72
96	M412	Y	-1.309	-1.309	72	96
97	M412	Y	-1.309	-1.309	96	120
98	M412	Y	-1.309	-1.309	120	144
99	M549	Y	-0.387	-0.387	0	9.5
100	M551	Y	-0.387	-0.387	0	9.5

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
101	M31	Y	-0.384	-1.509	0	3.981
102	M31	Y	-1.509	-2.001	3.981	7.963
103	M31	Y	-2.001	-1.622	7.963	11.944
104	M31	Y	-1.622	-1.377	11.944	15.926
105	M31	Y	-1.377	-1.504	15.926	19.907
106	M33	Y	-0.981	-1.298	0	2.697
107	M33	Y	-1.298	-1.291	2.697	5.394
108	M33	Y	-1.291	-1.351	5.394	8.092
109	M33	Y	-1.351	-1.307	8.092	10.789
110	M33	Y	-1.307	-0.769	10.789	13.486
111	M34A	Y	-1.459	-0.443	0	1.4
112	M34A	Y	-0.443	-0.421	1.4	2.8
113	M34A	Y	-0.421	-1.137	2.8	4.2
114	M34A	Y	-1.137	-1.506	4.2	5.6
115	M34A	Y	-1.506	-1.784	5.6	7
116	M45A	Y	-0.433	-0.326	0	6.995
117	M45A	Y	-0.326	-0.482	6.995	13.989
118	M45A	Y	-0.482	-0.583	13.989	20.984
119	M45A	Y	-0.583	-0.326	20.984	27.979
120	M45A	Y	-0.326	-0.031	27.979	34.973
121	M54	Y	-0.034	-0.395	0	13.582
122	M54	Y	-0.395	-0.552	13.582	27.164
123	M54	Y	-0.552	-0.385	27.164	40.746
124	M74C	Y	-0.061	-0.518	0	2.42
125	M74C	Y	-0.518	-0.533	2.42	4.84
126	M74C	Y	-0.533	-0.061	4.84	7.261
127	M75B	Y	-0.247	-0.434	0	5.726
128	M75B	Y	-0.434	-0.372	5.726	11.452
129	M75B	Y	-0.372	-0.34	11.452	17.178
130	M75B	Y	-0.34	-0.529	17.178	22.904
131	M75B	Y	-0.529	-0.661	22.904	28.63
132	R6	Y	-0.934	-0.589	0	1.707
133	R6	Y	-0.589	-0.245	1.707	3.414
134	R7	Y	-0.722	-0.667	0	1.137
135	R7	Y	-0.667	-0.511	1.137	2.273
136	R7	Y	-0.511	-0.254	2.273	3.41
137	R8	Y	-1.746	-0.97	0	0.854
138	R8	Y	-0.97	-0.745	0.854	1.707
139	R8	Y	-0.745	-0.752	1.707	2.561
140	R8	Y	-0.752	-0.439	2.561	3.414
141	M60	Y	-0.381	-1.507	0	3.981
142	M60	Y	-1.507	-1.999	3.981	7.963
143	M60	Y	-1.999	-1.62	7.963	11.944
144	M60	Y	-1.62	-1.402	11.944	15.926
145	M60	Y	-1.402	-1.583	15.926	19.907
146	M61	Y	-0.981	-1.298	0	2.697
147	M61	Y	-1.298	-1.291	2.697	5.394
148	M61	Y	-1.291	-1.351	5.394	8.092
149	M61	Y	-1.351	-1.307	8.092	10.789
150	M61	Y	-1.307	-0.769	10.789	13.486
151	M62	Y	-1.459	-0.443	0	1.4
152	M62	Y	-0.443	-0.421	1.4	2.8
153	M62	Y	-0.421	-1.137	2.8	4.2
154	M62	Y	-1.137	-1.506	4.2	5.6
155	M62	Y	-1.506	-1.784	5.6	7

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
156	M63	Y	-0.934	-0.589	0	1.707
157	M63	Y	-0.589	-0.245	1.707	3.414
158	M64	Y	-0.513	-0.472	0	1.705
159	M64	Y	-0.472	-0.432	1.705	3.41
160	M65	Y	-1.746	-0.97	0	0.854
161	M65	Y	-0.97	-0.746	0.854	1.707
162	M65	Y	-0.746	-0.753	1.707	2.561
163	M65	Y	-0.753	-0.439	2.561	3.414
164	M66	Y	-0.061	-0.528	0	2.42
165	M66	Y	-0.528	-0.541	2.42	4.84
166	M66	Y	-0.541	-0.061	4.84	7.261
167	M68	Y	-0.433	-0.326	0	6.995
168	M68	Y	-0.326	-0.482	6.995	13.989
169	M68	Y	-0.482	-0.583	13.989	20.984
170	M68	Y	-0.583	-0.326	20.984	27.979
171	M68	Y	-0.326	-0.031	27.979	34.973
172	M74B	Y	-0.247	-0.434	0	5.726
173	M74B	Y	-0.434	-0.372	5.726	11.452
174	M74B	Y	-0.372	-0.341	11.452	17.178
175	M74B	Y	-0.341	-0.531	17.178	22.904
176	M74B	Y	-0.531	-0.661	22.904	28.63
177	M54	Y	-0.396	-0.505	0	10.186
178	M54	Y	-0.505	-0.508	10.186	20.373
179	M54	Y	-0.508	-0.497	20.373	30.559
180	M54	Y	-0.497	-0.465	30.559	40.746
181	M54	Y	-0.465	-0.319	40.746	50.932
182	M57	Y	-0.168	-0.168	0	2
183	M58	Y	-0.185	-0.185	0	2
184	M59	Y	-0.238	-0.238	0	2.001
185	M67	Y	-0.077	-0.077	0	2
186	M70	Y	-0.145	-0.145	0	2
187	R3	Y	-0.168	-0.168	0	2
188	R4	Y	-0.185	-0.185	0	2
189	R5	Y	-0.24	-0.24	0	1.987
190	R9	Y	-0.077	-0.077	0	2
191	R10	Y	-0.145	-0.145	0	2
192	M62A	Y	-0.939	-0.591	0	1.707
193	M62A	Y	-0.591	-0.242	1.707	3.414
194	M63A	Y	-1.435	-0.8	0	1.137
195	M63A	Y	-0.8	-0.398	1.137	2.273
196	M63A	Y	-0.398	-0.23	2.273	3.41
197	M64A	Y	-2.091	-1.303	0	0.854
198	M64A	Y	-1.303	-0.946	0.854	1.707
199	M64A	Y	-0.946	-0.612	1.707	2.561
200	M64A	Y	-0.612	0.017	2.561	3.414
201	M74	Y	-0.432	-0.327	0	6.995
202	M74	Y	-0.327	-0.484	6.995	13.989
203	M74	Y	-0.484	-0.582	13.989	20.984
204	M74	Y	-0.582	-0.323	20.984	27.979
205	M74	Y	-0.323	-0.027	27.979	34.973
206	M75	Y	-0.245	-0.432	0	5.726
207	M75	Y	-0.432	-0.37	5.726	11.452
208	M75	Y	-0.37	-0.33	11.452	17.178
209	M75	Y	-0.33	-0.531	17.178	22.904
210	M75	Y	-0.531	-0.701	22.904	28.63

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
211	M77	Y	-0.034	-0.394	0	13.582
212	M77	Y	-0.394	-0.551	13.582	27.164
213	M77	Y	-0.551	-0.386	27.164	40.746
214	M78	Y	-0.124	-0.651	0	2.42
215	M78	Y	-0.651	-0.479	2.42	4.84
216	M78	Y	-0.479	-0.044	4.84	7.261
217	M83	Y	-0.403	-1.519	0	3.981
218	M83	Y	-1.519	-2.047	3.981	7.963
219	M83	Y	-2.047	-1.709	7.963	11.944
220	M83	Y	-1.709	-1.304	11.944	15.926
221	M83	Y	-1.304	-1.11	15.926	19.907
222	M84	Y	-0.977	-1.296	0	2.697
223	M84	Y	-1.296	-1.29	2.697	5.394
224	M84	Y	-1.29	-1.278	5.394	8.092
225	M84	Y	-1.278	-1.209	8.092	10.789
226	M84	Y	-1.209	-0.76	10.789	13.486
227	M85	Y	-1.463	-0.445	0	1.4
228	M85	Y	-0.445	-0.423	1.4	2.8
229	M85	Y	-0.423	-1.14	2.8	4.2
230	M85	Y	-1.14	-1.508	4.2	5.6
231	M85	Y	-1.508	-1.785	5.6	7
232	M53	Y	-0.928	-0.587	0	1.707
233	M53	Y	-0.587	-0.246	1.707	3.414
234	M54A	Y	-1.444	-0.8	0	1.137
235	M54A	Y	-0.8	-0.397	1.137	2.273
236	M54A	Y	-0.397	-0.235	2.273	3.41
237	M55	Y	-2.091	-1.303	0	0.854
238	M55	Y	-1.303	-0.946	0.854	1.707
239	M55	Y	-0.946	-0.612	1.707	2.561
240	M55	Y	-0.612	0.017	2.561	3.414
241	M73	Y	-0.432	-0.327	0	6.995
242	M73	Y	-0.327	-0.485	6.995	13.989
243	M73	Y	-0.485	-0.584	13.989	20.984
244	M73	Y	-0.584	-0.323	20.984	27.979
245	M73	Y	-0.323	-0.027	27.979	34.973
246	M76	Y	-0.245	-0.432	0	5.726
247	M76	Y	-0.432	-0.37	5.726	11.452
248	M76	Y	-0.37	-0.33	11.452	17.178
249	M76	Y	-0.33	-0.531	17.178	22.904
250	M76	Y	-0.531	-0.701	22.904	28.63
251	M79	Y	-0.123	-0.651	0	2.42
252	M79	Y	-0.651	-0.479	2.42	4.84
253	M79	Y	-0.479	-0.044	4.84	7.261
254	M80	Y	-0.403	-1.519	0	3.981
255	M80	Y	-1.519	-2.047	3.981	7.963
256	M80	Y	-2.047	-1.709	7.963	11.944
257	M80	Y	-1.709	-1.304	11.944	15.926
258	M80	Y	-1.304	-1.108	15.926	19.907
259	M81	Y	-0.977	-1.296	0	2.697
260	M81	Y	-1.296	-1.29	2.697	5.394
261	M81	Y	-1.29	-1.278	5.394	8.092
262	M81	Y	-1.278	-1.209	8.092	10.789
263	M81	Y	-1.209	-0.76	10.789	13.486
264	M82	Y	-1.463	-0.444	0	1.4
265	M82	Y	-0.444	-0.423	1.4	2.8

Member Distributed Loads (BLC 46 : BLC 1 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
266	M82	Y	-0.423	-1.137	2.8 4.2
267	M82	Y	-1.137	-1.504	4.2 5.6
268	M82	Y	-1.504	-1.786	5.6 7
269	M50	Y	-0.168	-0.168	0 2
270	M51	Y	-0.185	-0.185	0 2
271	M52	Y	-0.239	-0.239	0 2
272	M56	Y	-0.077	-0.077	0 2
273	M57A	Y	-0.145	-0.145	0 2
274	M59A	Y	-0.168	-0.168	0 2
275	M60A	Y	-0.185	-0.185	0 2
276	M61A	Y	-0.239	-0.239	0 2
277	M65A	Y	-0.077	-0.077	0 2
278	M66A	Y	-0.145	-0.145	4.148e-13 2
279	M77	Y	-0.396	-0.505	0 10.186
280	M77	Y	-0.505	-0.507	10.186 20.373
281	M77	Y	-0.507	-0.496	20.373 30.559
282	M77	Y	-0.496	-0.465	30.559 40.746
283	M77	Y	-0.465	-0.321	40.746 50.932
284	M111	Y	-0.943	-0.593	0 1.707
285	M111	Y	-0.593	-0.242	1.707 3.414
286	M112	Y	-0.724	-0.65	0 1.137
287	M112	Y	-0.65	-0.497	1.137 2.273
288	M112	Y	-0.497	-0.263	2.273 3.41
289	M113	Y	-2.122	-1.083	0 0.854
290	M113	Y	-1.083	-0.729	0.854 1.707
291	M113	Y	-0.729	-0.737	1.707 2.561
292	M113	Y	-0.737	-0.423	2.561 3.414
293	M123	Y	-0.433	-0.326	0 6.995
294	M123	Y	-0.326	-0.481	6.995 13.989
295	M123	Y	-0.481	-0.582	13.989 20.984
296	M123	Y	-0.582	-0.326	20.984 27.979
297	M123	Y	-0.326	-0.03	27.979 34.973
298	M124	Y	-0.247	-0.434	0 5.726
299	M124	Y	-0.434	-0.372	5.726 11.452
300	M124	Y	-0.372	-0.341	11.452 17.178
301	M124	Y	-0.341	-0.531	17.178 22.904
302	M124	Y	-0.531	-0.661	22.904 28.63
303	M126	Y	-0.034	-0.394	0 13.582
304	M126	Y	-0.394	-0.551	13.582 27.164
305	M126	Y	-0.551	-0.386	27.164 40.746

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
1	M31	Y	-1.195	-4.695	0 3.981
2	M31	Y	-4.695	-6.225	3.981 7.963
3	M31	Y	-6.225	-5.047	7.963 11.944
4	M31	Y	-5.047	-4.284	11.944 15.926
5	M31	Y	-4.284	-4.679	15.926 19.907
6	M33	Y	-3.052	-4.038	0 2.697
7	M33	Y	-4.038	-4.015	2.697 5.394
8	M33	Y	-4.015	-4.201	5.394 8.092
9	M33	Y	-4.201	-4.067	8.092 10.789
10	M33	Y	-4.067	-2.393	10.789 13.486
11	M34A	Y	-4.538	-1.379	0 1.4
12	M34A	Y	-1.379	-1.311	1.4 2.8

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
13	M34A	Y	-1.311	-3.538	2.8	4.2
14	M34A	Y	-3.538	-4.685	4.2	5.6
15	M34A	Y	-4.685	-5.549	5.6	7
16	M45A	Y	-1.348	-1.015	0	6.995
17	M45A	Y	-1.015	-1.501	6.995	13.989
18	M45A	Y	-1.501	-1.813	13.989	20.984
19	M45A	Y	-1.813	-1.014	20.984	27.979
20	M45A	Y	-1.014	-0.096	27.979	34.973
21	M54	Y	-0.106	-1.228	0	13.582
22	M54	Y	-1.228	-1.718	13.582	27.164
23	M54	Y	-1.718	-1.199	27.164	40.746
24	M74C	Y	-0.189	-1.612	0	2.42
25	M74C	Y	-1.612	-1.657	2.42	4.84
26	M74C	Y	-1.657	-0.189	4.84	7.261
27	M75B	Y	-0.768	-1.351	0	5.726
28	M75B	Y	-1.351	-1.158	5.726	11.452
29	M75B	Y	-1.158	-1.057	11.452	17.178
30	M75B	Y	-1.057	-1.646	17.178	22.904
31	M75B	Y	-1.646	-2.056	22.904	28.63
32	R6	Y	-2.905	-1.833	0	1.707
33	R6	Y	-1.833	-0.761	1.707	3.414
34	R7	Y	-2.246	-2.076	0	1.137
35	R7	Y	-2.076	-1.59	1.137	2.273
36	R7	Y	-1.59	-0.789	2.273	3.41
37	R8	Y	-5.432	-3.018	0	0.854
38	R8	Y	-3.018	-2.318	0.854	1.707
39	R8	Y	-2.318	-2.339	1.707	2.561
40	R8	Y	-2.339	-1.367	2.561	3.414
41	M60	Y	-1.187	-4.686	0	3.981
42	M60	Y	-4.686	-6.217	3.981	7.963
43	M60	Y	-6.217	-5.038	7.963	11.944
44	M60	Y	-5.038	-4.361	11.944	15.926
45	M60	Y	-4.361	-4.924	15.926	19.907
46	M61	Y	-3.052	-4.038	0	2.697
47	M61	Y	-4.038	-4.015	2.697	5.394
48	M61	Y	-4.015	-4.201	5.394	8.092
49	M61	Y	-4.201	-4.067	8.092	10.789
50	M61	Y	-4.067	-2.393	10.789	13.486
51	M62	Y	-4.538	-1.379	0	1.4
52	M62	Y	-1.379	-1.311	1.4	2.8
53	M62	Y	-1.311	-3.538	2.8	4.2
54	M62	Y	-3.538	-4.685	4.2	5.6
55	M62	Y	-4.685	-5.549	5.6	7
56	M63	Y	-2.905	-1.833	0	1.707
57	M63	Y	-1.833	-0.761	1.707	3.414
58	M64	Y	-1.596	-1.469	0	1.705
59	M64	Y	-1.469	-1.342	1.705	3.41
60	M65	Y	-5.433	-3.019	0	0.854
61	M65	Y	-3.019	-2.321	0.854	1.707
62	M65	Y	-2.321	-2.343	1.707	2.561
63	M65	Y	-2.343	-1.366	2.561	3.414
64	M66	Y	-0.19	-1.643	0	2.42
65	M66	Y	-1.643	-1.683	2.42	4.84
66	M66	Y	-1.683	-0.19	4.84	7.261
67	M68	Y	-1.347	-1.015	0	6.995

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
68	M68	Y	-1.015	-1.501	6.995	13.989
69	M68	Y	-1.501	-1.813	13.989	20.984
70	M68	Y	-1.813	-1.014	20.984	27.979
71	M68	Y	-1.014	-0.097	27.979	34.973
72	M74B	Y	-0.769	-1.351	0	5.726
73	M74B	Y	-1.351	-1.158	5.726	11.452
74	M74B	Y	-1.158	-1.061	11.452	17.178
75	M74B	Y	-1.061	-1.651	17.178	22.904
76	M74B	Y	-1.651	-2.056	22.904	28.63
77	M54	Y	-1.231	-1.571	0	10.186
78	M54	Y	-1.571	-1.58	10.186	20.373
79	M54	Y	-1.58	-1.547	20.373	30.559
80	M54	Y	-1.547	-1.446	30.559	40.746
81	M54	Y	-1.446	-0.992	40.746	50.932
82	M57	Y	-0.523	-0.523	0	2
83	M58	Y	-0.576	-0.576	0	2
84	M59	Y	-0.74	-0.74	0	2.001
85	M67	Y	-0.239	-0.239	0	2
86	M70	Y	-0.452	-0.452	0	2
87	R3	Y	-0.523	-0.523	0	2
88	R4	Y	-0.576	-0.576	0	2
89	R5	Y	-0.745	-0.745	0	1.987
90	R9	Y	-0.239	-0.239	0	2
91	R10	Y	-0.452	-0.452	0	2
92	M62A	Y	-2.92	-1.837	0	1.707
93	M62A	Y	-1.837	-0.754	1.707	3.414
94	M63A	Y	-4.463	-2.489	0	1.137
95	M63A	Y	-2.489	-1.24	1.137	2.273
96	M63A	Y	-1.24	-0.715	2.273	3.41
97	M64A	Y	-6.506	-4.053	0	0.854
98	M64A	Y	-4.053	-2.941	0.854	1.707
99	M64A	Y	-2.941	-1.903	1.707	2.561
100	M64A	Y	-1.903	0.053	2.561	3.414
101	M74	Y	-1.344	-1.016	0	6.995
102	M74	Y	-1.016	-1.504	6.995	13.989
103	M74	Y	-1.504	-1.812	13.989	20.984
104	M74	Y	-1.812	-1.005	20.984	27.979
105	M74	Y	-1.005	-0.084	27.979	34.973
106	M75	Y	-0.763	-1.345	0	5.726
107	M75	Y	-1.345	-1.15	5.726	11.452
108	M75	Y	-1.15	-1.025	11.452	17.178
109	M75	Y	-1.025	-1.652	17.178	22.904
110	M75	Y	-1.652	-2.18	22.904	28.63
111	M77	Y	-0.105	-1.225	0	13.582
112	M77	Y	-1.225	-1.713	13.582	27.164
113	M77	Y	-1.713	-1.2	27.164	40.746
114	M78	Y	-0.386	-2.026	0	2.42
115	M78	Y	-2.026	-1.491	2.42	4.84
116	M78	Y	-1.491	-0.137	4.84	7.261
117	M83	Y	-1.255	-4.724	0	3.981
118	M83	Y	-4.724	-6.366	3.981	7.963
119	M83	Y	-6.366	-5.317	7.963	11.944
120	M83	Y	-5.317	-4.058	11.944	15.926
121	M83	Y	-4.058	-3.452	15.926	19.907
122	M84	Y	-3.04	-4.033	0	2.697

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
123	M84	Y	-4.033	-4.012	2.697 5.394
124	M84	Y	-4.012	-3.976	5.394 8.092
125	M84	Y	-3.976	-3.76	8.092 10.789
126	M84	Y	-3.76	-2.363	10.789 13.486
127	M85	Y	-4.552	-1.383	0 1.4
128	M85	Y	-1.383	-1.315	1.4 2.8
129	M85	Y	-1.315	-3.545	2.8 4.2
130	M85	Y	-3.545	-4.69	4.2 5.6
131	M85	Y	-4.69	-5.553	5.6 7
132	M53	Y	-2.886	-1.826	0 1.707
133	M53	Y	-1.826	-0.766	1.707 3.414
134	M54A	Y	-4.491	-2.487	0 1.137
135	M54A	Y	-2.487	-1.234	1.137 2.273
136	M54A	Y	-1.234	-0.731	2.273 3.41
137	M55	Y	-6.506	-4.053	0 0.854
138	M55	Y	-4.053	-2.941	0.854 1.707
139	M55	Y	-2.941	-1.903	1.707 2.561
140	M55	Y	-1.903	0.053	2.561 3.414
141	M73	Y	-1.344	-1.016	0 6.995
142	M73	Y	-1.016	-1.509	6.995 13.989
143	M73	Y	-1.509	-1.817	13.989 20.984
144	M73	Y	-1.817	-1.006	20.984 27.979
145	M73	Y	-1.006	-0.085	27.979 34.973
146	M76	Y	-0.763	-1.345	0 5.726
147	M76	Y	-1.345	-1.15	5.726 11.452
148	M76	Y	-1.15	-1.025	11.452 17.178
149	M76	Y	-1.025	-1.652	17.178 22.904
150	M76	Y	-1.652	-2.18	22.904 28.63
151	M79	Y	-0.382	-2.025	0 2.42
152	M79	Y	-2.025	-1.491	2.42 4.84
153	M79	Y	-1.491	-0.137	4.84 7.261
154	M80	Y	-1.255	-4.724	0 3.981
155	M80	Y	-4.724	-6.367	3.981 7.963
156	M80	Y	-6.367	-5.318	7.963 11.944
157	M80	Y	-5.318	-4.056	11.944 15.926
158	M80	Y	-4.056	-3.445	15.926 19.907
159	M81	Y	-3.04	-4.033	0 2.697
160	M81	Y	-4.033	-4.012	2.697 5.394
161	M81	Y	-4.012	-3.976	5.394 8.092
162	M81	Y	-3.976	-3.76	8.092 10.789
163	M81	Y	-3.76	-2.363	10.789 13.486
164	M82	Y	-4.551	-1.382	0 1.4
165	M82	Y	-1.382	-1.315	1.4 2.8
166	M82	Y	-1.315	-3.536	2.8 4.2
167	M82	Y	-3.536	-4.678	4.2 5.6
168	M82	Y	-4.678	-5.554	5.6 7
169	M50	Y	-0.523	-0.523	0 2
170	M51	Y	-0.575	-0.575	0 2
171	M52	Y	-0.743	-0.743	0 2
172	M56	Y	-0.239	-0.239	0 2
173	M57A	Y	-0.452	-0.452	0 2
174	M59A	Y	-0.523	-0.523	0 2
175	M60A	Y	-0.575	-0.575	0 2
176	M61A	Y	-0.743	-0.743	0 2
177	M65A	Y	-0.239	-0.239	0 2

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
178	M66A	Y	-0.452	-0.452	4.148e-13 2
179	M77	Y	-1.23	-1.57	0 10.186
180	M77	Y	-1.57	-1.579	10.186 20.373
181	M77	Y	-1.579	-1.544	20.373 30.559
182	M77	Y	-1.544	-1.447	30.559 40.746
183	M77	Y	-1.447	-0.997	40.746 50.932
184	M111	Y	-2.933	-1.843	0 1.707
185	M111	Y	-1.843	-0.754	1.707 3.414
186	M112	Y	-2.252	-2.022	0 1.137
187	M112	Y	-2.022	-1.545	1.137 2.273
188	M112	Y	-1.545	-0.819	2.273 3.41
189	M113	Y	-6.601	-3.369	0 0.854
190	M113	Y	-3.369	-2.267	0.854 1.707
191	M113	Y	-2.267	-2.291	1.707 2.561
192	M113	Y	-2.291	-1.315	2.561 3.414
193	M123	Y	-1.348	-1.015	0 6.995
194	M123	Y	-1.015	-1.497	6.995 13.989
195	M123	Y	-1.497	-1.809	13.989 20.984
196	M123	Y	-1.809	-1.013	20.984 27.979
197	M123	Y	-1.013	-0.093	27.979 34.973
198	M124	Y	-0.769	-1.351	0 5.726
199	M124	Y	-1.351	-1.158	5.726 11.452
200	M124	Y	-1.158	-1.062	11.452 17.178
201	M124	Y	-1.062	-1.651	17.178 22.904
202	M124	Y	-1.651	-2.055	22.904 28.63
203	M126	Y	-0.105	-1.227	0 13.582
204	M126	Y	-1.227	-1.716	13.582 27.164
205	M126	Y	-1.716	-1.2	27.164 40.746
206	M127	Y	-0.19	-1.633	0 2.42
207	M127	Y	-1.633	-1.676	2.42 4.84
208	M127	Y	-1.676	-0.19	4.84 7.261
209	M132	Y	-1.192	-4.694	0 3.981
210	M132	Y	-4.694	-6.227	3.981 7.963
211	M132	Y	-6.227	-5.049	7.963 11.944
212	M132	Y	-5.049	-4.279	11.944 15.926
213	M132	Y	-4.279	-4.659	15.926 19.907
214	M133	Y	-3.065	-4.051	0 2.697
215	M133	Y	-4.051	-4.028	2.697 5.394
216	M133	Y	-4.028	-4.214	5.394 8.092
217	M133	Y	-4.214	-3.952	8.092 10.789
218	M133	Y	-3.952	-2.022	10.789 13.486
219	M134	Y	-4.538	-1.379	0 1.4
220	M134	Y	-1.379	-1.311	1.4 2.8
221	M134	Y	-1.311	-3.547	2.8 4.2
222	M134	Y	-3.547	-4.692	4.2 5.6
223	M134	Y	-4.692	-5.538	5.6 7
224	M102	Y	-2.916	-1.84	0 1.707
225	M102	Y	-1.84	-0.764	1.707 3.414
226	M103	Y	-4.463	-2.489	0 1.137
227	M103	Y	-2.489	-1.24	1.137 2.273
228	M103	Y	-1.24	-0.715	2.273 3.41
229	M104	Y	-6.512	-4.055	0 0.854
230	M104	Y	-4.055	-2.942	0.854 1.707
231	M104	Y	-2.942	-1.902	1.707 2.561
232	M104	Y	-1.902	0.053	2.561 3.414

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
233	M122	Y	-1.344	-1.016	0	6.995
234	M122	Y	-1.016	-1.504	6.995	13.989
235	M122	Y	-1.504	-1.811	13.989	20.984
236	M122	Y	-1.811	-1.005	20.984	27.979
237	M122	Y	-1.005	-0.084	27.979	34.973
238	M125	Y	-0.763	-1.345	0	5.726
239	M125	Y	-1.345	-1.148	5.726	11.452
240	M125	Y	-1.148	-1.024	11.452	17.178
241	M125	Y	-1.024	-1.652	17.178	22.904
242	M125	Y	-1.652	-2.18	22.904	28.63
243	M128	Y	-0.386	-2.026	0	2.42
244	M128	Y	-2.026	-1.491	2.42	4.84
245	M128	Y	-1.491	-0.137	4.84	7.261
246	M129	Y	-1.255	-4.724	0	3.981
247	M129	Y	-4.724	-6.366	3.981	7.963
248	M129	Y	-6.366	-5.317	7.963	11.944
249	M129	Y	-5.317	-4.058	11.944	15.926
250	M129	Y	-4.058	-3.452	15.926	19.907
251	M130	Y	-3.039	-4.032	0	2.697
252	M130	Y	-4.032	-4.012	2.697	5.394
253	M130	Y	-4.012	-3.976	5.394	8.092
254	M130	Y	-3.976	-3.762	8.092	10.789
255	M130	Y	-3.762	-2.37	10.789	13.486
256	M131	Y	-4.552	-1.383	0	1.4
257	M131	Y	-1.383	-1.315	1.4	2.8
258	M131	Y	-1.315	-3.545	2.8	4.2
259	M131	Y	-3.545	-4.689	4.2	5.6
260	M131	Y	-4.689	-5.551	5.6	7
261	M99	Y	-0.523	-0.523	0	2
262	M100	Y	-0.575	-0.575	0	2
263	M101	Y	-0.743	-0.743	6.672e-12	2
264	M105	Y	-0.239	-0.239	0	2
265	M106	Y	-0.452	-0.452	0	2
266	M108	Y	-0.523	-0.523	0	2
267	M109	Y	-0.575	-0.575	0	2
268	M110	Y	-0.743	-0.743	0	2
269	M114	Y	-0.239	-0.239	0	2
270	M115	Y	-0.452	-0.452	6.071e-10	2
271	M126	Y	-1.23	-1.57	0	10.186
272	M126	Y	-1.57	-1.579	10.186	20.373
273	M126	Y	-1.579	-1.544	20.373	30.559
274	M126	Y	-1.544	-1.447	30.559	40.746
275	M126	Y	-1.447	-0.997	40.746	50.932
276	M456	Y	-0.601	-0.601	0	9.5
277	M472	Y	-0.601	-0.601	0	9.5
278	M473	Y	-4.072	-4.072	0	24
279	M473	Y	-4.072	-4.072	24	48
280	M473	Y	-4.072	-4.072	48	72
281	M473	Y	-4.072	-4.072	72	96
282	M473	Y	-4.072	-4.072	96	120
283	M473	Y	-4.072	-4.072	120	144
284	M523	Y	-1.203	-1.203	0	9.5
285	M530A	Y	-1.203	-1.203	0	9.5
286	M517	Y	-0.601	-0.601	0	9.5
287	M533	Y	-0.601	-0.601	0	9.5

Member Distributed Loads (BLC 47 : BLC 16 Transient Area Loads) (Continued)

Member	Label	Direction	Start Magnitude [lb/ft, F, psf, lb-ft/in]	End Magnitude [lb/ft, F, psf, lb-ft/in]	Start Location [(in, %)]	End Location [(in, %)]
288	M534	Y	-4.072	-4.072	0	24
289	M534	Y	-4.072	-4.072	24	48
290	M534	Y	-4.072	-4.072	48	72
291	M534	Y	-4.072	-4.072	72	96
292	M534	Y	-4.072	-4.072	96	120
293	M534	Y	-4.072	-4.072	120	144
294	M490	Y	-1.203	-1.203	0	9.5
295	M492	Y	-1.203	-1.203	0	9.5
296	M395	Y	-0.601	-0.601	0	9.5
297	M411	Y	-0.601	-0.601	0	9.5
298	M412	Y	-4.072	-4.072	0	24
299	M412	Y	-4.072	-4.072	24	48
300	M412	Y	-4.072	-4.072	48	72
301	M412	Y	-4.072	-4.072	72	96
302	M412	Y	-4.072	-4.072	96	120
303	M412	Y	-4.072	-4.072	120	144
304	M549	Y	-1.203	-1.203	0	9.5
305	M551	Y	-1.203	-1.203	0	9.5

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1.4DL	Yes	Y	1	1.4								
2	1.2DL + 1WL AZI 0	Yes	Y	1	1.2	2	1	14	1	15			
3	1.2DL + 1WL AZI 30	Yes	Y	1	1.2	3	1	14	0.866	15	0.5		
4	1.2DL + 1WL AZI 60	Yes	Y	1	1.2	4	1	14	0.5	15	0.866		
5	1.2DL + 1WL AZI 90	Yes	Y	1	1.2	5	1	14		15	1		
6	1.2DL + 1WL AZI 120	Yes	Y	1	1.2	6	1	14	-0.5	15	0.866		
7	1.2DL + 1WL AZI 150	Yes	Y	1	1.2	7	1	14	-0.866	15	0.5		
8	1.2DL + 1WL AZI 180	Yes	Y	1	1.2	8	1	14	-1	15			
9	1.2DL + 1WL AZI 210	Yes	Y	1	1.2	9	1	14	-0.866	15	-0.5		
10	1.2DL + 1WL AZI 240	Yes	Y	1	1.2	10	1	14	-0.5	15	-0.866		
11	1.2DL + 1WL AZI 270	Yes	Y	1	1.2	11	1	14		15	-1		
12	1.2DL + 1WL AZI 300	Yes	Y	1	1.2	12	1	14	0.5	15	-0.866		
13	1.2DL + 1WL AZI 330	Yes	Y	1	1.2	13	1	14	0.866	15	-0.5		
14	0.9DL + 1WL AZI 0	Yes	Y	1	0.9	2	1	14	1	15			
15	0.9DL + 1WL AZI 30	Yes	Y	1	0.9	3	1	14	0.866	15	0.5		
16	0.9DL + 1WL AZI 60	Yes	Y	1	0.9	4	1	14	0.5	15	0.866		
17	0.9DL + 1WL AZI 90	Yes	Y	1	0.9	5	1	14		15	1		
18	0.9DL + 1WL AZI 120	Yes	Y	1	0.9	6	1	14	-0.5	15	0.866		
19	0.9DL + 1WL AZI 150	Yes	Y	1	0.9	7	1	14	-0.866	15	0.5		
20	0.9DL + 1WL AZI 180	Yes	Y	1	0.9	8	1	14	-1	15			
21	0.9DL + 1WL AZI 210	Yes	Y	1	0.9	9	1	14	-0.866	15	-0.5		
22	0.9DL + 1WL AZI 240	Yes	Y	1	0.9	10	1	14	-0.5	15	-0.866		
23	0.9DL + 1WL AZI 270	Yes	Y	1	0.9	11	1	14		15	-1		
24	0.9DL + 1WL AZI 300	Yes	Y	1	0.9	12	1	14	0.5	15	-0.866		
25	0.9DL + 1WL AZI 330	Yes	Y	1	0.9	13	1	14	0.866	15	-0.5		
26	1.2D + 1.0Di	Yes	Y	1	1.2	16	1						
27	1.2D + 1.0Di + 1.0Wi AZI 0	Yes	Y	1	1.2	16	1	17	1	29	1	30	
28	1.2D + 1.0Di + 1.0Wi AZI 30	Yes	Y	1	1.2	16	1	18	1	29	0.866	30	0.5
29	1.2D + 1.0Di + 1.0Wi AZI 60	Yes	Y	1	1.2	16	1	19	1	29	0.5	30	0.866
30	1.2D + 1.0Di + 1.0Wi AZI 90	Yes	Y	1	1.2	16	1	20	1	29		30	1
31	1.2D + 1.0Di + 1.0Wi AZI 120	Yes	Y	1	1.2	16	1	21	1	29	-0.5	30	0.866
32	1.2D + 1.0Di + 1.0Wi AZI 150	Yes	Y	1	1.2	16	1	22	1	29	-0.866	30	0.5
33	1.2D + 1.0Di + 1.0Wi AZI 180	Yes	Y	1	1.2	16	1	23	1	29	-1	30	
34	1.2D + 1.0Di + 1.0Wi AZI 210	Yes	Y	1	1.2	16	1	24	1	29	-0.866	30	-0.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
35	1.2D + 1.0Di + 1.0Wi AZI 240	Yes	Y	1	1.2	16	1	25	1	29	-0.5	30	-0.866
36	1.2D + 1.0Di + 1.0Wi AZI 270	Yes	Y	1	1.2	16	1	26	1	29		30	-1
37	1.2D + 1.0Di + 1.0Wi AZI 300	Yes	Y	1	1.2	16	1	27	1	29	0.5	30	-0.866
38	1.2D + 1.0Di + 1.0Wi AZI 330	Yes	Y	1	1.2	16	1	28	1	29	0.866	30	-0.5
39	(1.2 + 0.2Sds)DL + 1.0E AZI 0	Yes	Y	1	1.241	31	1	32					
40	(1.2 + 0.2Sds)DL + 1.0E AZI 30	Yes	Y	1	1.241	31	0.866	32	0.5				
41	(1.2 + 0.2Sds)DL + 1.0E AZI 60	Yes	Y	1	1.241	31	0.5	32	0.866				
42	(1.2 + 0.2Sds)DL + 1.0E AZI 90	Yes	Y	1	1.241	31		32	1				
43	(1.2 + 0.2Sds)DL + 1.0E AZI 120	Yes	Y	1	1.241	31	-0.5	32	0.866				
44	(1.2 + 0.2Sds)DL + 1.0E AZI 150	Yes	Y	1	1.241	31	-0.866	32	0.5				
45	(1.2 + 0.2Sds)DL + 1.0E AZI 180	Yes	Y	1	1.241	31	-1	32					
46	(1.2 + 0.2Sds)DL + 1.0E AZI 210	Yes	Y	1	1.241	31	-0.866	32	-0.5				
47	(1.2 + 0.2Sds)DL + 1.0E AZI 240	Yes	Y	1	1.241	31	-0.5	32	-0.866				
48	(1.2 + 0.2Sds)DL + 1.0E AZI 270	Yes	Y	1	1.241	31		32	-1				
49	(1.2 + 0.2Sds)DL + 1.0E AZI 300	Yes	Y	1	1.241	31	0.5	32	-0.866				
50	(1.2 + 0.2Sds)DL + 1.0E AZI 330	Yes	Y	1	1.241	31	0.866	32	-0.5				
51	(0.9 - 0.2Sds)DL + 1.0E AZI 0	Yes	Y	1	0.859	31	1	32					
52	(0.9 - 0.2Sds)DL + 1.0E AZI 30	Yes	Y	1	0.859	31	0.866	32	0.5				
53	(0.9 - 0.2Sds)DL + 1.0E AZI 60	Yes	Y	1	0.859	31	0.5	32	0.866				
54	(0.9 - 0.2Sds)DL + 1.0E AZI 90	Yes	Y	1	0.859	31		32	1				
55	(0.9 - 0.2Sds)DL + 1.0E AZI 120	Yes	Y	1	0.859	31	-0.5	32	0.866				
56	(0.9 - 0.2Sds)DL + 1.0E AZI 150	Yes	Y	1	0.859	31	-0.866	32	0.5				
57	(0.9 - 0.2Sds)DL + 1.0E AZI 180	Yes	Y	1	0.859	31	-1	32					
58	(0.9 - 0.2Sds)DL + 1.0E AZI 210	Yes	Y	1	0.859	31	-0.866	32	-0.5				
59	(0.9 - 0.2Sds)DL + 1.0E AZI 240	Yes	Y	1	0.859	31	-0.5	32	-0.866				
60	(0.9 - 0.2Sds)DL + 1.0E AZI 270	Yes	Y	1	0.859	31		32	-1				
61	(0.9 - 0.2Sds)DL + 1.0E AZI 300	Yes	Y	1	0.859	31	0.5	32	-0.866				
62	(0.9 - 0.2Sds)DL + 1.0E AZI 330	Yes	Y	1	0.859	31	0.866	32	-0.5				
63	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 0	Yes	Y	1	1	2	0.23	14	0.23	15		33	1.5
64	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 30	Yes	Y	1	1	3	0.23	14	0.2	15	0.115	33	1.5
65	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 60	Yes	Y	1	1	4	0.23	14	0.115	15	0.2	33	1.5
66	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 90	Yes	Y	1	1	5	0.23	14		15	0.23	33	1.5
67	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 120	Yes	Y	1	1	6	0.23	14	-0.115	15	0.2	33	1.5
68	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 150	Yes	Y	1	1	7	0.23	14	-0.2	15	0.115	33	1.5
69	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 180	Yes	Y	1	1	8	0.23	14	-0.23	15		33	1.5
70	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 210	Yes	Y	1	1	9	0.23	14	-0.2	15	-0.115	33	1.5
71	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 240	Yes	Y	1	1	10	0.23	14	-0.115	15	-0.2	33	1.5
72	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 270	Yes	Y	1	1	11	0.23	14		15	-0.23	33	1.5
73	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 300	Yes	Y	1	1	12	0.23	14	0.115	15	-0.2	33	1.5
74	1.0DL + 1.5LL + 1.0SWL (60 mph) AZI 330	Yes	Y	1	1	13	0.23	14	0.2	15	-0.115	33	1.5
75	1.2DL + 1.5LL	Yes	Y	1	1.2	33	1.5						
76	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	34	1.5	2	0.058	14	0.058	15	
77	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	34	1.5	3	0.058	14	0.05	15	0.029
78	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	34	1.5	4	0.058	14	0.029	15	0.05
79	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	34	1.5	5	0.058	14		15	0.058
80	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	34	1.5	6	0.058	14	-0.029	15	0.05
81	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	34	1.5	7	0.058	14	-0.05	15	0.029
82	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	34	1.5	8	0.058	14	-0.058	15	
83	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	34	1.5	9	0.058	14	-0.05	15	-0.029
84	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	34	1.5	10	0.058	14	-0.029	15	-0.05
85	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	34	1.5	11	0.058	14		15	-0.058
86	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	34	1.5	12	0.058	14	0.029	15	-0.05
87	1.2DL + 1.5LM-MP1 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	34	1.5	13	0.058	14	0.05	15	-0.029
88	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	35	1.5	2	0.058	14	0.058	15	
89	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	35	1.5	3	0.058	14	0.05	15	0.029

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
90	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	35	1.5	4	0.058	14	0.029	15	0.05
91	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	35	1.5	5	0.058	14		15	0.058
92	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	35	1.5	6	0.058	14	-0.029	15	0.05
93	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	35	1.5	7	0.058	14	-0.05	15	0.029
94	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	35	1.5	8	0.058	14	-0.058	15	
95	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	35	1.5	9	0.058	14	-0.05	15	-0.029
96	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	35	1.5	10	0.058	14	-0.029	15	-0.05
97	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	35	1.5	11	0.058	14		15	-0.058
98	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	35	1.5	12	0.058	14	0.029	15	-0.05
99	1.2DL + 1.5LM-MP2 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	35	1.5	13	0.058	14	0.05	15	-0.029
100	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	36	1.5	2	0.058	14	0.058	15	
101	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	36	1.5	3	0.058	14	0.05	15	0.029
102	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	36	1.5	4	0.058	14	0.029	15	0.05
103	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	36	1.5	5	0.058	14		15	0.058
104	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	36	1.5	6	0.058	14	-0.029	15	0.05
105	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	36	1.5	7	0.058	14	-0.05	15	0.029
106	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	36	1.5	8	0.058	14	-0.058	15	
107	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	36	1.5	9	0.058	14	-0.05	15	-0.029
108	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	36	1.5	10	0.058	14	-0.029	15	-0.05
109	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	36	1.5	11	0.058	14		15	-0.058
110	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	36	1.5	12	0.058	14	0.029	15	-0.05
111	1.2DL + 1.5LM-MP3 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	36	1.5	13	0.058	14	0.05	15	-0.029
112	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	37	1.5	2	0.058	14	0.058	15	
113	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	37	1.5	3	0.058	14	0.05	15	0.029
114	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	37	1.5	4	0.058	14	0.029	15	0.05
115	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	37	1.5	5	0.058	14		15	0.058
116	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	37	1.5	6	0.058	14	-0.029	15	0.05
117	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	37	1.5	7	0.058	14	-0.05	15	0.029
118	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	37	1.5	8	0.058	14	-0.058	15	
119	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	37	1.5	9	0.058	14	-0.05	15	-0.029
120	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	37	1.5	10	0.058	14	-0.029	15	-0.05
121	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	37	1.5	11	0.058	14		15	-0.058
122	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	37	1.5	12	0.058	14	0.029	15	-0.05
123	1.2DL + 1.5LM-MP4 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	37	1.5	13	0.058	14	0.05	15	-0.029
124	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	38	1.5	2	0.058	14	0.058	15	
125	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	38	1.5	3	0.058	14	0.05	15	0.029
126	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	38	1.5	4	0.058	14	0.029	15	0.05
127	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	38	1.5	5	0.058	14		15	0.058
128	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	38	1.5	6	0.058	14	-0.029	15	0.05
129	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	38	1.5	7	0.058	14	-0.05	15	0.029
130	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	38	1.5	8	0.058	14	-0.058	15	
131	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	38	1.5	9	0.058	14	-0.05	15	-0.029
132	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	38	1.5	10	0.058	14	-0.029	15	-0.05
133	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	38	1.5	11	0.058	14		15	-0.058
134	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	38	1.5	12	0.058	14	0.029	15	-0.05
135	1.2DL + 1.5LM-MP5 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	38	1.5	13	0.058	14	0.05	15	-0.029
136	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	39	1.5	2	0.058	14	0.058	15	
137	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	39	1.5	3	0.058	14	0.05	15	0.029
138	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	39	1.5	4	0.058	14	0.029	15	0.05
139	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	39	1.5	5	0.058	14		15	0.058
140	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	39	1.5	6	0.058	14	-0.029	15	0.05
141	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	39	1.5	7	0.058	14	-0.05	15	0.029
142	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	39	1.5	8	0.058	14	-0.058	15	
143	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	39	1.5	9	0.058	14	-0.05	15	-0.029
144	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	39	1.5	10	0.058	14	-0.029	15	-0.05

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
145	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	39	1.5	11	0.058	14		15	-0.058
146	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	39	1.5	12	0.058	14	0.029	15	-0.05
147	1.2DL + 1.5LM-MP6 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	39	1.5	13	0.058	14	0.05	15	-0.029
148	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	40	1.5	2	0.058	14	0.058	15	
149	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	40	1.5	3	0.058	14	0.05	15	0.029
150	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	40	1.5	4	0.058	14	0.029	15	0.05
151	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	40	1.5	5	0.058	14		15	0.058
152	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	40	1.5	6	0.058	14	-0.029	15	0.05
153	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	40	1.5	7	0.058	14	-0.05	15	0.029
154	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	40	1.5	8	0.058	14	-0.058	15	
155	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	40	1.5	9	0.058	14	-0.05	15	-0.029
156	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	40	1.5	10	0.058	14	-0.029	15	-0.05
157	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	40	1.5	11	0.058	14		15	-0.058
158	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	40	1.5	12	0.058	14	0.029	15	-0.05
159	1.2DL + 1.5LM-MP7 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	40	1.5	13	0.058	14	0.05	15	-0.029
160	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	41	1.5	2	0.058	14	0.058	15	
161	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	41	1.5	3	0.058	14	0.05	15	0.029
162	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	41	1.5	4	0.058	14	0.029	15	0.05
163	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	41	1.5	5	0.058	14		15	0.058
164	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	41	1.5	6	0.058	14	-0.029	15	0.05
165	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	41	1.5	7	0.058	14	-0.05	15	0.029
166	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	41	1.5	8	0.058	14	-0.058	15	
167	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	41	1.5	9	0.058	14	-0.05	15	-0.029
168	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	41	1.5	10	0.058	14	-0.029	15	-0.05
169	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	41	1.5	11	0.058	14		15	-0.058
170	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	41	1.5	12	0.058	14	0.029	15	-0.05
171	1.2DL + 1.5LM-MP8 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	41	1.5	13	0.058	14	0.05	15	-0.029
172	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	42	1.5	2	0.058	14	0.058	15	
173	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	42	1.5	3	0.058	14	0.05	15	0.029
174	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	42	1.5	4	0.058	14	0.029	15	0.05
175	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	42	1.5	5	0.058	14		15	0.058
176	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	42	1.5	6	0.058	14	-0.029	15	0.05
177	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	42	1.5	7	0.058	14	-0.05	15	0.029
178	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	42	1.5	8	0.058	14	-0.058	15	
179	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	42	1.5	9	0.058	14	-0.05	15	-0.029
180	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	42	1.5	10	0.058	14	-0.029	15	-0.05
181	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	42	1.5	11	0.058	14		15	-0.058
182	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	42	1.5	12	0.058	14	0.029	15	-0.05
183	1.2DL + 1.5LM-MP9 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	42	1.5	13	0.058	14	0.05	15	-0.029
184	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	43	1.5	2	0.058	14	0.058	15	
185	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	43	1.5	3	0.058	14	0.05	15	0.029
186	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	43	1.5	4	0.058	14	0.029	15	0.05
187	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	43	1.5	5	0.058	14		15	0.058
188	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	43	1.5	6	0.058	14	-0.029	15	0.05
189	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	43	1.5	7	0.058	14	-0.05	15	0.029
190	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	43	1.5	8	0.058	14	-0.058	15	
191	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	43	1.5	9	0.058	14	-0.05	15	-0.029
192	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	43	1.5	10	0.058	14	-0.029	15	-0.05
193	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	43	1.5	11	0.058	14		15	-0.058
194	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	43	1.5	12	0.058	14	0.029	15	-0.05
195	1.2DL + 1.5LM-MP10 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	43	1.5	13	0.058	14	0.05	15	-0.029
196	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	44	1.5	2	0.058	14	0.058	15	
197	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	44	1.5	3	0.058	14	0.05	15	0.029
198	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	44	1.5	4	0.058	14	0.029	15	0.05
199	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	44	1.5	5	0.058	14		15	0.058

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
200	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	44	1.5	6	0.058	14	-0.029	15	0.05
201	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	44	1.5	7	0.058	14	-0.05	15	0.029
202	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	44	1.5	8	0.058	14	-0.058	15	
203	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	44	1.5	9	0.058	14	-0.05	15	-0.029
204	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	44	1.5	10	0.058	14	-0.029	15	-0.05
205	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	44	1.5	11	0.058	14		15	-0.058
206	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	44	1.5	12	0.058	14	0.029	15	-0.05
207	1.2DL + 1.5LM-MP11 + 1SWL (30 mph) AZI 330	Yes	Y	1	1.2	44	1.5	13	0.058	14	0.05	15	-0.029
208	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 0	Yes	Y	1	1.2	45	1.5	2	0.058	14	0.058	15	
209	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 30	Yes	Y	1	1.2	45	1.5	3	0.058	14	0.05	15	0.029
210	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 60	Yes	Y	1	1.2	45	1.5	4	0.058	14	0.029	15	0.05
211	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 90	Yes	Y	1	1.2	45	1.5	5	0.058	14		15	0.058
212	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 120	Yes	Y	1	1.2	45	1.5	6	0.058	14	-0.029	15	0.05
213	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 150	Yes	Y	1	1.2	45	1.5	7	0.058	14	-0.05	15	0.029
214	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 180	Yes	Y	1	1.2	45	1.5	8	0.058	14	-0.058	15	
215	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 210	Yes	Y	1	1.2	45	1.5	9	0.058	14	-0.05	15	-0.029
216	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 240	Yes	Y	1	1.2	45	1.5	10	0.058	14	-0.029	15	-0.05
217	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 270	Yes	Y	1	1.2	45	1.5	11	0.058	14		15	-0.058
218	1.2DL + 1.5LM-MP12 + 1SWL (30 mph) AZI 300	Yes	Y	1	1.2	45	1.5	12	0.058	14	0.029	15	-0.05

Envelope Node Reactions

Node Label	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC		
1	N302	max	893.159	5	2691.845	33	11487.97	34	-35.216	15	1820.043	11	9.783	187
2		min	-876.004	11	304.741	14	3304.644	15	-122.551	34	-1836.916	5	-9.751	205
3	N303	max	316.523	17	102.997	33	-931.816	14	-4.739	14	929.975	11	10.278	23
4		min	-322.146	23	13.131	14	-13648.914	33	-105.63	33	-913.542	17	-10.501	5
5	N254	max	10301.539	27	2748.327	37	-1484.057	15	62.811	34	1447.456	15	109.91	36
6		min	3110.988	18	337.908	18	-6033.353	34	18.533	18	-1475.282	9	30.928	17
7	N255	max	-1070.454	18	104.465	37	7030.212	37	54.483	37	716.494	3	94.305	37
8		min	-12148.058	37	15.233	18	618.736	18	1.205	17	-688.81	21	6.734	18
9	N302A	max	-2952.837	22	2763.077	29	-1480.183	25	63.995	32	1472.401	7	-30.581	22
10		min	-10383.533	28	306.18	22	-6031.424	32	19.176	21	-1496.907	13	-110.114	29
11	N303A	max	12235.461	29	105.24	29	7058.311	29	55.525	29	710.974	7	-6.672	22
12		min	908.144	22	12.301	22	471.97	22	-0.46	22	-687.01	25	-94.623	29
13	Totals:	max	5840.841	17	8235.057	37	5878.219	14						
14		min	-5840.812	11	2857.074	55	-5878.207	20						

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

Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Eqn	
1	M31	3/8" x 2 3/8"	0.247	0	36	0.03	0	y	38	26950.403	28856.25	225.439	1427.784	1.764	H1-1b
2	M33	3/8" x 2 3/8"	0.262	0	36	0.033	0	y	10	26950.403	28856.25	225.439	1427.784	1.346	H1-1b
3	M34A	3/8" x 2 3/8"	0.261	0	35	0.046	0	y	29	26950.403	28856.25	225.439	1427.784	1.269	H1-1b
4	M45A	L3X3X6	0.19	10.124	35	0.171	14.726	y	11	67839.257	68364	2307.398	5322.329	1.056	H2-1
5	M54	HSS4X3X4	0.105	48.251	10	0.084	16.084	z	11	283040.402	91665	8190	10001.25	2.794	H1-1b
6	M60	3/8" x 2 3/8"	0.236	0	38	0.022	0	y	36	26950.403	28856.25	225.439	1427.784	1.718	H1-1b
7	M61	3/8" x 2 3/8"	0.244	0	38	0.036	0	y	27	26950.403	28856.25	225.439	1427.784	1.356	H1-1b
8	M62	3/8" x 2 3/8"	0.261	0	37	0.038	0	y	113	26950.403	28856.25	225.439	1427.784	1.233	H1-1b
9	M66	3/8" x 3"	0.121	7.261	13	0.091	0	y	36	32932.944	36450	283.5	2278.8	2.251	H1-1b
10	M68	L3X3X6	0.202	0	37	0.183	14.726	y	13	67839.257	68364	2307.398	5322.329	1.5	H2-1
11	M73	L3X3X6	0.186	10.124	32	0.178	11.044	z	7	67839.257	68364	2307.398	5322.329	1.053	H2-1
12	M74	L3X3X6	0.196	0	33	0.236	14.726	z	10	67839.257	68364	2307.398	5322.329	1.5	H2-1
13	M74B	L3X3X6	0.288	0	38	0.102	28.63	z	12	68029.335	68364	2307.398	5322.329	1.102	H2-1
14	M74C	3/8" x 3"	0.11	7.261	10	0.116	0	y	38	32932.944	36450	283.5	2278.8	2.254	H1-1b

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

Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Eqn	
235	MP4	PIPE 2.0	0.428	30.316	7	0.065	30.316	9	14916.096	32130	1871.625	1871.625	2.707	H1-1b	
236	MP5	PIPE 2.0	0.319	30.316	13	0.033	30.316	13	14916.096	32130	1871.625	1871.625	2.511	H1-1b	
237	MP8	PIPE 2.0	0.379	65.684	2	0.055	65.684	5	14916.096	32130	1871.625	1871.625	2.559	H1-1b	
238	MP9	PIPE 2.0	0.334	65.684	9	0.035	65.684	9	14916.096	32130	1871.625	1871.625	2.516	H1-1b	
239	MP12	PIPE 2.0	0.46	30.316	10	0.064	30.316	13	14916.096	32130	1871.625	1871.625	2.689	H1-1b	
240	M461	3/8" x 1"	0.019	0	177	0.003	5.178	y	180	10771.18	12150	94.921	253.125	2.151	H1-1b
241	M463	3/8" x 1"	0	0	43	0	0	y	31	10978.973	12150	94.921	253.125	2.354	H1-1b*
242	M464	3/8" x 1"	0.008	5.178	176	0	5.178	y	178	10771.18	12150	94.921	253.125	1.964	H1-1b*
243	MP11	PIPE 2.0	0.507	65.684	3	0.047	65.684	3	14916.096	32130	1871.625	1871.625	2.422	H1-1b	
244	M468	3/8" x 1"	0	4.75	49	0	4.75	y	38	10978.973	12150	94.921	253.125	2.408	H1-1b*
245	M474	3/8" x 1"	0.008	5.178	187	0	5.178	y	191	10771.18	12150	94.921	253.125	1.962	H1-1b*
246	M475	3/8" x 1"	0.03	4.125	187	0	4.125	z	192	11255.958	12150	94.921	253.125	1	H1-1b*
247	M480	3/8" x 1"	0.019	0	189	0.003	5.178	y	193	10771.18	12150	94.921	253.125	2.151	H1-1b
248	M481	3/8" x 1"	0.007	0	190	0.002	5.178	y	191	10771.18	12150	94.921	253.125	2.205	H1-1b
249	M482	3/8" x 1"	0	4.75	49	0	4.75	y	37	10978.973	12150	94.921	253.125	2.408	H1-1b*
250	MP10	PIPE 2.0	0.586	30.316	10	0.067	30.316	11	14916.096	32130	1871.625	1871.625	2.551	H1-1b	
251	M495	3/8" x 1"	0.007	0	174	0.002	5.178	y	179	10771.18	12150	94.921	253.125	2.205	H1-1b
252	M501	3/8" x 1"	0	0	43	0	0	y	32	10978.973	12150	94.921	253.125	2.354	H1-1b*
253	M502	3/8" x 1"	0.03	4.125	176	0	4.125	z	179	11255.958	12150	94.921	253.125	1	H1-1b*
254	M510	3/8" x 1"	0.019	0	203	0.003	5.178	y	205	10771.18	12150	94.921	253.125	2.151	H1-1b
255	M519	3/8" x 1"	0	0	47	0	0	y	35	10978.973	12150	94.921	253.125	2.354	H1-1b*
256	M520	3/8" x 1"	0.008	5.178	204	0	5.178	y	202	10771.18	12150	94.921	253.125	2.044	H1-1b*
257	MP7	PIPE 2.0	0.476	65.684	7	0.052	65.684	5	14916.096	32130	1871.625	1871.625	2.53	H1-1b	
258	M528	3/8" x 1"	0	4.75	41	0	4.75	y	30	10978.973	12150	94.921	253.125	2.408	H1-1b*
259	M529	3/8" x 1"	0.008	5.178	215	0	5.178	y	214	10771.18	12150	94.921	253.125	2.041	H1-1b*
260	M541	3/8" x 1"	0.03	4.125	215	0.002	4.125	y	212	11255.958	12150	94.921	253.125	1.928	H1-1b*
261	M543	3/8" x 1"	0.019	0	215	0.003	5.178	y	217	10771.18	12150	94.921	253.125	2.151	H1-1b
262	M544	3/8" x 1"	0.007	0	214	0.002	5.178	y	214	10771.18	12150	94.921	253.125	2.206	H1-1b
263	M545	3/8" x 1"	0	4.75	41	0	4.75	y	29	10978.973	12150	94.921	253.125	2.408	H1-1b*
264	MP6	PIPE 2.0	0.554	30.316	13	0.052	30.316	3	14916.096	32130	1871.625	1871.625	2.462	H1-1b	
265	M552	3/8" x 1"	0.007	0	202	0.002	5.178	y	202	10771.18	12150	94.921	253.125	2.206	H1-1b
266	M556	3/8" x 1"	0	0	47	0	0	y	36	10978.973	12150	94.921	253.125	2.354	H1-1b*
267	M557	3/8" x 1"	0.03	4.125	204	0.002	4.125	y	199	11255.958	12150	94.921	253.125	1.928	H1-1b*

Material Take-Off

	Material	Size	Pieces	Length[in]	Weight[K]
1	General Members				
2	RIGID		249	552.7	0
3	Total General		249	552.7	0
4					
5	Hot Rolled Steel				
6	A992	3/8" x 1"	66	696.3	0.074
7	A992	1/2" x 4"	21	207	0.117
8	A992	3/8" x 4"	21	209.4	0.089
9	A992	3/8" x 7/8"	9	64	0.006
10	A992	3/8" x 3/4"	9	52.3	0.004
11	A992	3/8" x 5/8"	6	24.7	0.002
12	Q235-GB	HSS4X3X4	3	152.8	0.126
13	Q235-GB	PIPE 2.5	3	450	0.205
14	Q235-GB	PIPE 2.0	12	1152	0.333
15	Q345	12X1.5	3	432	0.136
16	Q345	3/8" x 1"	72	349.9	0.037
17	Q345	3/8" x 2 3/8"	18	242.4	0.061
18	Q345	3/8" x 3"	6	43.6	0.014
19	Q345	L2x2x2	6	110.4	0.015

Material Take-Off (Continued)

	Material	Size	Pieces	Length[in]	Weight[K]
20	Q345	L3X3X6	12	381.6	0.228
21	Total HR Steel		267	4568.2	1.449

APPENDIX D
ADDITIONAL CALCUATIONS

Bolt Calculation Tool, V1.5.1

PROJECT DATA	
Site Name:	Milford
Site Number:	873633
Connection Description:	Standoff to Collar

MAXIMUM BOLT LOADS		
Bolt Tension:	2160.29	lbs
Bolt Shear:	223.12	lbs

WORST CASE BOLT LOADS ¹		
Bolt Tension:	2160.29	lbs
Bolt Shear:	39.87	lbs

BOLT PROPERTIES		
Bolt Type:	Bolt	-
Bolt Diameter:	0.625	in
Bolt Grade:	A325	-
# of Bolts:	4	-
Threads Excluded?	No	-

¹ Worst case bolt loads correspond to Load combination #38 on member M327A in RISA-3D, which causes the maximum demand on the bolts.

Member Information
I nodes of M246, M256, M314A, M317, M324, M327A

BOLT CHECK		
Tensile Strength	20340.15	
Shear Strength	13805.83	
Max Tensile Usage	10.6%	
Max Shear Usage	1.6%	
Interaction Check (Worst Case)	0.01	≤1.05
Result	Pass	

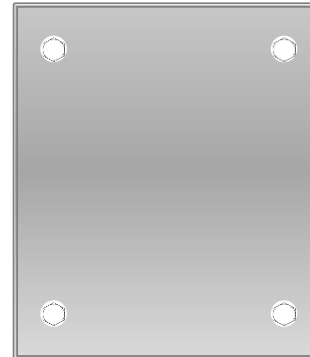


Exhibit F

Power Density/RF Emissions Report

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL
TO NON-IONIZING EMISSIONS

AT&T Existing Facility

Site ID: CTL2082 - 873633

Milford Bona St
10 Bona Street
Milford, Connecticut 06461

January 26, 2022

EBI Project Number: 6222000341

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	22.24%

January 26, 2022

AT&T

Emissions Analysis for Site: CTL2082 - 873633 - Milford Bona St

EBI Consulting was directed to analyze the proposed AT&T facility located at **10 Bona Street** in **Milford, Connecticut** for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately $400 \mu\text{W}/\text{cm}^2$ and $467 \mu\text{W}/\text{cm}^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully

aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where 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.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed AT&T Wireless antenna facility located at 10 Bona Street in Milford, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower. For power density calculations, the broadcast footprint of the AIR6449 antenna has been considered. Due to the beamforming nature of this antenna, the actual beam locations vary depending on demand and are narrow in nature. Using the broadcast footprint accounts for the potential location of beams at any given time.

For all calculations, all equipment was calculated using the following assumptions:

- 1) 4 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 2) 4 LTE FN channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 3) 4 5G channels (850 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 4) 4 LTE / 5G channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 5) 4 LTE / 5G channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

- 6) 4 LTE channels (WCS Band – 2300 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 25 Watts per Channel.
- 7) 2 C-Band Channels (3700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 144.58 Watts per Channel.
- 8) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 9) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 10) The antennas used in this modeling are the Kathrein 800-10964 for the 700 MHz / 2100 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU4EA-K for the 700 MHz / 850 MHz / 1900 MHz / 2300 MHz channel(s) in Sector A, the Kathrein 800-10964 for the 700 MHz / 2100 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU4EA-K for the 700 MHz / 850 MHz / 1900 MHz / 2300 MHz channel(s) in Sector B, the Kathrein 800-10964 for the 700 MHz / 2100 MHz channel(s), the Ericsson AIR 6419 for the 3700 MHz channel(s), the Ericsson AIR 6449 for the 3700 MHz channel(s), the CCI DMP65R-BU4EA-K for the 700 MHz / 850 MHz / 1900 MHz / 2300 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 11) The antenna mounting height centerline of the proposed antennas is 133 feet above ground level (AGL).

- 12) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.
- 13) All calculations were done with respect to uncontrolled / general population threshold limits.

AT&T Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Kathrein 800-10964	Make / Model:	Kathrein 800-10964	Make / Model:	Kathrein 800-10964
Frequency Bands:	700 MHz / 2100 MHz	Frequency Bands:	700 MHz / 2100 MHz	Frequency Bands:	700 MHz / 2100 MHz
Gain:	11.45 dBd / 15.35 dBd	Gain:	11.45 dBd / 15.35 dBd	Gain:	11.45 dBd / 15.35 dBd
Height (AGL):	133 feet	Height (AGL):	133 feet	Height (AGL):	133 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts
ERP (W):	7,718.47	ERP (W):	7,718.47	ERP (W):	7,718.47
Antenna A1 MPE %:	2.29%	Antenna B1 MPE %:	2.29%	Antenna C1 MPE %:	2.29%
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419
Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz
Gain:	23.45 dBd	Gain:	23.45 dBd	Gain:	23.45 dBd
Height (AGL):	133 feet	Height (AGL):	133 feet	Height (AGL):	133 feet
Channel Count:	1	Channel Count:	1	Channel Count:	1
Total TX Power (W):	144.58000000000000 1 Watts	Total TX Power (W):	144.58000000000000 1 Watts	Total TX Power (W):	144.58000000000000 1 Watts
ERP (W):	31,996.92	ERP (W):	31,996.92	ERP (W):	31,996.92
Antenna A2 MPE %:	7.13%	Antenna B2 MPE %:	7.13%	Antenna C2 MPE %:	7.13%
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz	Frequency Bands:	3700 MHz
Gain:	23.45 dBd	Gain:	23.45 dBd	Gain:	23.45 dBd
Height (AGL):	133 feet	Height (AGL):	133 feet	Height (AGL):	133 feet
Channel Count:	1	Channel Count:	1	Channel Count:	1
Total TX Power (W):	144.58000000000000 1 Watts	Total TX Power (W):	144.58000000000000 1 Watts	Total TX Power (W):	144.58000000000000 1 Watts
ERP (W):	31,996.92	ERP (W):	31,996.92	ERP (W):	31,996.92
Antenna A3 MPE %:	7.13%	Antenna B3 MPE %:	7.13%	Antenna C3 MPE %:	7.13%
Antenna #:	4	Antenna #:	4	Antenna #:	4
Make / Model:	CCI DMP65R- BU4EA-K	Make / Model:	CCI DMP65R- BU4EA-K	Make / Model:	CCI DMP65R- BU4EA-K
Frequency Bands:	700 MHz / 850 MHz / 1900 MHz / 2300 MHz	Frequency Bands:	700 MHz / 850 MHz / 1900 MHz / 2300 MHz	Frequency Bands:	700 MHz / 850 MHz / 1900 MHz / 2300 MHz
Gain:	10.35 dBd / 10.45 dBd / 13.75 dBd / 13.85 dBd	Gain:	10.35 dBd / 10.45 dBd / 13.75 dBd / 13.85 dBd	Gain:	10.35 dBd / 10.45 dBd / 13.75 dBd / 13.85 dBd
Height (AGL):	133 feet	Height (AGL):	133 feet	Height (AGL):	133 feet
Channel Count:	16	Channel Count:	16	Channel Count:	16
Total TX Power (W):	580 Watts	Total TX Power (W):	580 Watts	Total TX Power (W):	580 Watts
ERP (W):	9,729.77	ERP (W):	9,729.77	ERP (W):	9,729.77
Antenna A4 MPE %:	2.91%	Antenna B4 MPE %:	2.91%	Antenna C4 MPE %:	2.91%

- An adjusted power reduction factor of 0.32 was applied to the AIR 6449 antennas per guidance from AT&T.
- Specifications were not available for the Ericsson AIR 6419 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6419 due to its similarity.

Site Composite MPE %	
Carrier	MPE %
AT&T (Max at Sector A):	19.47%
Verizon	2.77%
Site Total MPE % :	22.24%

AT&T MPE % Per Sector	
AT&T Sector A Total:	19.47%
AT&T Sector B Total:	19.47%
AT&T Sector C Total:	19.47%
Site Total MPE % :	22.24%

AT&T Maximum MPE Power Values (Sector A)							
AT&T Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
AT&T 700 MHz LTE FN	4	558.55	133.0	4.98	700 MHz LTE FN	467	1.07%
AT&T 2100 MHz LTE/5G	4	1371.07	133.0	12.22	2100 MHz LTE/5G	1000	1.22%
AT&T 3700 MHz C-Band	1	31996.92	133.0	71.32	3700 MHz C-Band	1000	7.13%
AT&T 3700 MHz C-Band	1	31996.92	133.0	71.32	3700 MHz C-Band	1000	7.13%
AT&T 700 MHz LTE	4	433.57	133.0	3.87	700 MHz LTE	467	0.83%
AT&T 850 MHz 5G	4	443.67	133.0	3.96	850 MHz 5G	567	0.70%
AT&T 1900 MHz LTE/5G	4	948.55	133.0	8.46	1900 MHz LTE/5G	1000	0.85%
AT&T 2300 MHz LTE	4	606.65	133.0	5.41	2300 MHz LTE	1000	0.54%
						Total:	19.47%

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the AT&T facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

AT&T Sector	Power Density Value (%)
Sector A:	19.47%
Sector B:	19.47%
Sector C:	19.47%
AT&T Maximum MPE % (Sector A):	19.47%
Site Total:	22.24%
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **22.24%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.