Filed by:
G. Scott Shepherd, Site Development Specialist II - SBA Communications
134 Flanders Rd., Suite 125, Westborough, MA 01581
508.251.0720 x 3807 - gshepherd@sbasite.com

February 15, 2021

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

RE: Notice of Exempt Modification
490 Highland Ave, Cheshire, CT 06410
(Mailing address of 500 Highland Ave.)
Latitude: 41.5112 N
Longitude: 72.8985 W
T-Mobile Site #: CT11308D_Anchor

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 147-foot level of the existing 160-foot Monopole Tower at 490 Highland Ave., (mailing address of 500 Highland Ave.) Cheshire, CT. The 160-foot tower is owned by SBA Site Management. The property is owned by the Town of Cheshire. T-Mobile now intends to remove all nine (9) antennas and replace with (9) nine new L600/L700M L1900/2100/2500 MHz antennas.

The new antennas support 5G services and would be installed at the 147-foot level of the tower.

Please note: Per the Connecticut Siting Council Website: CSC COVID 19 Guidelines. *In order to prevent the spread of Coronavirus and protect the health and safety of our members and staff, as of March 18, 2020, the Connecticut Siting Council shall convert to full remote operations until March 30, 2020. Please be advised that during this time period, all hard copy filing requirements will be waived in lieu of an electronic filing. Please also be advised that the March 26, 2020 regular meeting shall be held via teleconference. The Council's website is not equipped with an on-line filing fee receipt service. Therefore, filing fees and/or direct cost charges associated with matters received electronically during the above-mentioned time period will be directly invoiced at a later date.*

Planned Modifications:

TOWER

Remove:

- N/A

Remove and Replace:

- (3) Ericsson AIR21 B2A/B4P L2100 MHz antenna – (remove) / (3) Ericsson AIR32 B66A/B2A 1900/2100 MHz antenna (replace)
- (3) Commscope LNX-6515DS-VTM L700 MHz antenna (remove) / (3) RFS APXVAALL24_43-UA20 L600/700/1900/2100 MHz antenna (replace)
- (3) Ericsson AIR21 B2A/B4P L1900/2100 MHz antenna (remove) / (3) Ericsson AIR6449 B41 2500 MHz antenna (replace)
- (3) Ericsson S11S12 RRUs (remove) / (3) Ericsson Radio 4415 B25 RRUs (replace)

Install New:

- (2) Site Pro 1 PRK-SFS Reinforcement Kit
- (2) Site Pro 1 HRK 12-U Support Rail Kit
- (3) Commscope SDX1926Q-43 Quadplexers
- (3) Ericsson Radio 4449 B71+B85 RRUs
- (3) Ericsson Radio 4415 B25 RRUs
- (2) 1-5/8" fiber

Existing Equipment to Remain:

- (1) 12.5' Platform
- (3) Ericsson KRY 112 144/1 – TMAs
- (3) RFS ATMAA1413D1A20 TMAs
- (1) 1-5/8" fiber
- (6) 1-5/8" coax

Entitlements:

- (11) 1-5/8" coax
- (1) 1-1/4" fiber
- (12) ½' coax

GROUND

Remove and Replace:

- (1) Nortel S12000 w/attached battery backup (remove) / (1) Ericsson B160 Battery cabinet (replace)

Install New:

- Radio Equipment mounted within existing RBS6131 equipment cabinet

This facility was approved by the Town of Cheshire in 1984. A replacement 160' tower would have been approved by the Town in 2003. The Planning and Zoning department has changed over since then and has only been able to locate the Zoning and Building Permits for the tower construction within the file. The current administration believes that while the permits should have been reviewed by the Planning and Zoning Commission, they were not. No post construction stipulations appear to have been set. Please find documents and confirmation from the Town, attached.

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 the Town of Cheshire's Town Manager, Sean Kimball, and Town Planner, William Voelker. (Separate notice is not being sent to tower owner, as it belongs to SBA.)

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. §16.50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modification will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modification will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, T-Mobile respectfully submits that the proposed modifications to the above-referenced telecommunication facility constitute an exempt modifications under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

G. Scott Shepherd
Site Development Specialist II
SBA COMMUNICATIONS CORPORATION
134 Flanders Rd., Suite 125
Westborough, MA 01581

508.251.0720 x3807 + T
508.366.2610 + F
5083868.6000 + C
gshepherd@sbasite.com

Attachments
cc: Sean Kimball, Town Manager / with attachments
Town of Cheshire Town Hall, 84 South Main Street, Cheshire, CT 06410
William Voelker, Town Planner / with attachments
Town of Cheshire Town Hall, 84 South Main Street, Cheshire, CT 06410

EXHIBIT LIST

Exhibit 1	Check Copy	To be invoiced at a later date per Covid guidelines
Exhibit 2	Notification Receipts	x
Exhibit 3	Property Card	x
Exhibit 4	Property Map	x
Exhibit 5	Original Zoning Approval	Confirmation letter from the Town and original ZP/BP
Exhibit 6	Construction Drawings	Chappell Engineering 2/12/21
Exhibit 7	Modification Drawings	GPD Engineering 11/19/20
Exhibit 8	Structural Analysis	GPD Engineering 11/20/20
Exhibit 9	Post-Mod Mount Analysis	GPD Engineering 11/19/20
Exhibit 10	EME Report	EBI Consulting 12/14/20

EXHIBIT 1

Normally, Exhibit 1 would contain a copy of the check for the filing fee.

EXHIBIT 2

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

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

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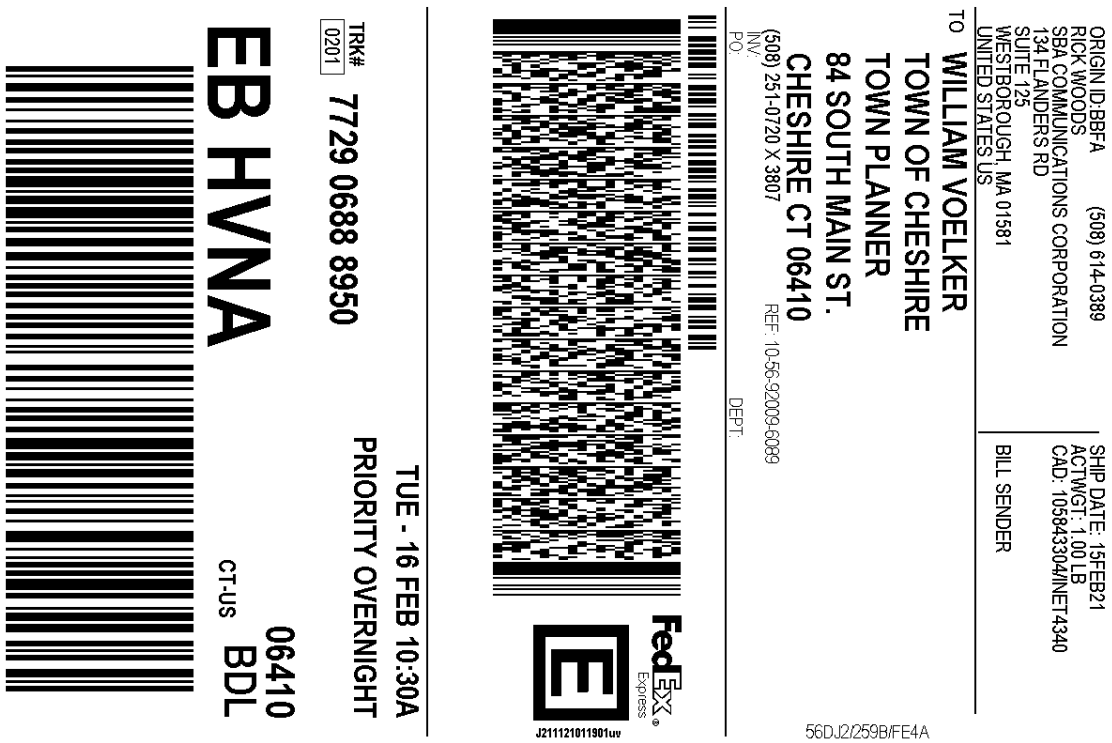

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EXHIBIT 3

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.

Town of Cheshire

The bedding plant capital of Connecticut

Information on the Property Records for the Municipality of Cheshire was last updated on 6/13/2019.

Parcel Information

Location:	490 HIGHLAND AVE	Property Use:	School	Primary Use:	Elementary School
Unique ID:	00478600	Map Block Lot:	51 2	Acres:	24.80
Zone:	R-20A	Volume / Page:	169/ 675	Developers Map / Lot:	884315
Census:	3431				

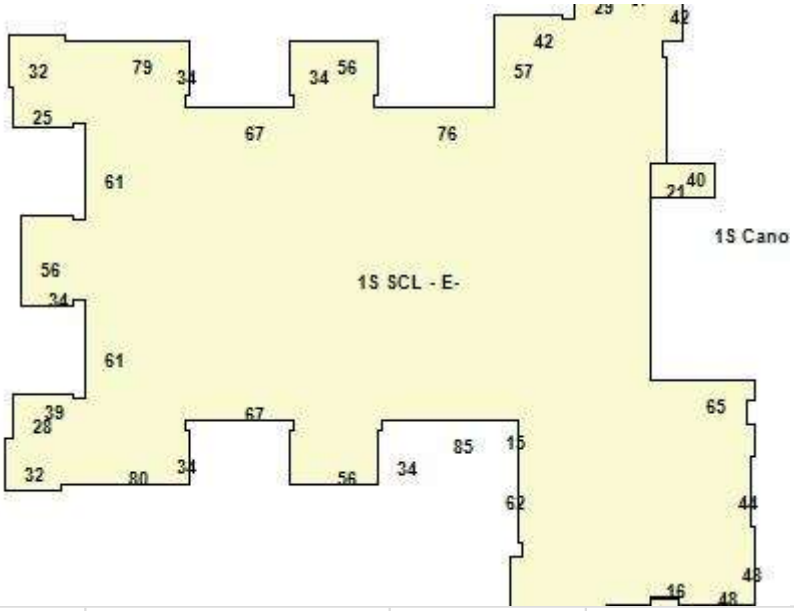
Value Information

	Appraised Value	Assessed Value
Land	2,353,916	1,647,740
Buildings	17,917,074	12,541,950
Detached Outbuildings	55,211	38,650
Total	20,326,201	14,228,340

Owner's Information

Owner's Data
CHESHIRE TOWN OF HIGHLAND SCHOOL POLICE STATION CHESHIRE CT 06410

Building 1



Category:	School	Use:	Elementary School	Stories:	1.00
Above Grade:	114,271	Below Grade:	0	Below Grade Finish:	0
Construction:	Good	Year Built:	1971	Heating:	FHA
Fuel:	Gas	Cooling Percent:	100%	Siding:	Stucco
Roof Material:	Composite Built Up	Beds/Units:	0		

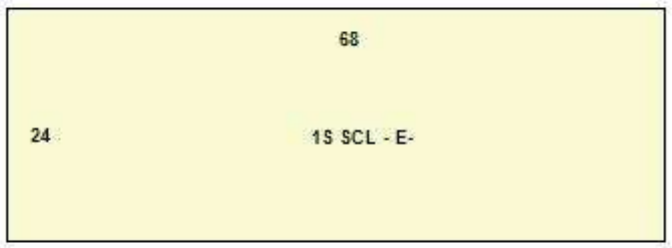
Special Features

Extra Plumbing Fixtures	99
Wet Sprinklers	114271

Attached Components

Type:	Year Built:	Area:
Metal Canopy	1971	840
Open Porch	1971	208

Building 2



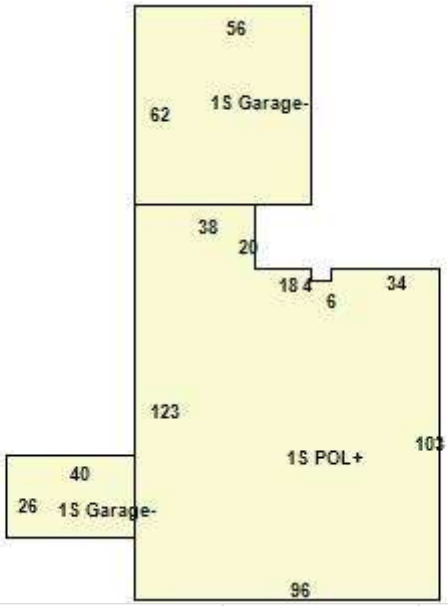
Category:	School	Use:	Elementary School	Stories:	1.00
Above Grade:	1,632	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1988	Heating:	Electric Baseboard
Fuel:	Electric	Cooling Percent:	0%	Siding:	Vertical Wood
Roof Material:	Asphalt	Beds/Units:	0		

Special Features

Extra Plumbing Fixtures	24

Attached Components

Building 3



Category:	Public Use	Use:	Jail - Police Station	Stories:	1.00
Above Grade:	10,638	Below Grade:	10,638	Below Grade Finish:	7,416
Construction:	Average	Year Built:	1971	Heating:	FHA
Fuel:	Gas	Cooling Percent:	100%	Siding:	B. V. Solid
Roof Material:	Asphalt	Beds/Units:	0		

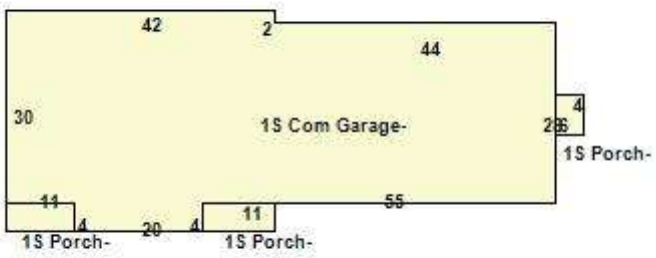
Special Features

Wet Sprinklers	10638

Attached Components

Type:	Year Built:	Area:
Cblk/Fr Garage	1992	1,040
Cblk/Fr Garage	1971	3,472

Building 4



Category:	Automotive	Use:	Commercial Garage	Stories:	1.00
Above Grade:	2,571	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1987	Heating:	
Fuel:		Cooling Percent:	0%	Siding:	Concrete Block
Roof Material:		Beds/Units:	0		

Special Features

Attached Components

Type:	Year Built:	Area:
Open Porch	1987	24
Open Porch	1987	44
Open Porch	1987	44

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Fencing	1971			2,404
Paving	1988			80,000
Building Utility	2004	12	20	240

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Valid Sale	Sale Price
CHESHIRE TOWN OF	169	675	03/08/2019		No	$0

Kri Pelletier

From: Waller, Diane <dwaller@cheshirect.org>
Sent: Thursday, August 31, 2017 8:52 AM
To: Kri Pelletier
Subject: RE: 500 Highland Ave - Property Card

Good Morning,

The address you want to put in is 490 Highland Ave. There are four properties on that lot (Police Station, School and Animal shelter, and the Police garage). The Police Station is where the antenna is which uses the mailing address of 500 Highland Ave. The Map is 51 and the Lot is 2. We do not have Blocks in Cheshire.

I just went on the website and it is there for you under the address of 490 Highland Ave.

If you need anything else let me know.

Diane Waller

Assessor
Town of Cheshire
Phone - 203-271-6620
Fax - 203-271-6615
Email - dwaller@cheshirect.org

From: Kri Pelletier [mailto:KPelletier@sbasite.com]
Sent: Wednesday, August 30, 2017 5:14 PM
To: Waller, Diane
Subject: 500 Highland Ave - Property Card

Good Evening Diane,

On behalf of Sprint, we're readying application materials for the CT Siting Council for antenna upgrades at the existing cell site located at 500 Highland Ave. The Siting Council now requires a property card showing property owner information when we apply for their review. A search of 500 Highland Ave (which we know to be owned by the Town) does not bring up property card information (please see screenshot below.)

Could you please supply a screenshot, or information by reply email stating the town to be the property owner (along with Map, Block, Lot) so that we can include with our submission to the Siting Council.

Thank you,

EXHIBIT 4

Google Maps 490 Highland Ave

Map data ©2019 200 ft

490 Highland Ave

Cheshire, CT 06410

Directions Save Nearby Send to your phone Share

At this location

Highland Elementary School

4.9 ★★★★★ (7)

Elementary school · 490 Highland Ave

EXHIBIT 5

Kri Pelletier

From: Voelker, William <wvoelker@cheshirect.org>
Sent: Thursday, August 31, 2017 11:32 AM
To: Kri Pelletier
Subject: RE: 500 Highland Avenue - Original Planning Docs (Spring CT43XC809)

Kri, we have searched extensively for a zoning file on this location, and we have none. We did check on when any building permits were issued for the electrical and the equipment structures, and these were issued in 2004. We conclude that this tower was approved under the jurisdiction of the Connecticut Siting Council. If there is anything else that you need, please give us a call at your convenience. Bill Voelker

William S. Voelker, AICP
Town Planner/Development Coordinator
Town of Cheshire
wvoelker@cheshirect.org
203 271-6670

From: Kri Pelletier [mailto:KPelletier@sbasite.com]
Sent: Monday, August 28, 2017 4:19 PM
To: Voelker, William
Subject: 500 Highland Avenue - Original Planning Docs (Spring CT43XC809)

Good Afternoon,

On behalf of Sprint, we are readying building permit application materials for minor upgrades to the existing cell site at 500 Highland Ave in Cheshire. Prior to applying for a building permit, we must secure authorization from the CT Siting Council, which now requires information on the original planning decision to allow a telecommunication site.

- Could you please provide a scanned copy of the original approval for this existing telecommunication site from the Town, as it appears to pre-date the Siting Council's jurisdiction over same.

Thank you,

Kri Pelletier
Property Specialist

SBA

SBA COMMUNICATIONS CORPORATION
134 Flanders Rd., Suite 125
Westborough, MA 01581

508.251.0720 x 3804 + **T**
508.366.2610 + **F**
203.446.7700 + **C**
kpelletier@sbasite.com

Your Signal Starts Here.

May 29, 2019

William S. Voelker, AICP
Town Planner / Development Coordinator
Town of Cheshire
wvoelker@cheshirect.org
203-271-6670

Re: T-Mobile Site CT11308D_L600
500 Highland Ave., Cheshire, CT

Dear Bill:

On behalf of T-Mobile, we are readying application materials for minor upgrades to the existing cell site at 500 Highland Ave in Cheshire. As part of our submission to the CT Siting Council, we are required to provide documentation showing the original planning decision to allow a telecommunication site, along with any stipulations that may have been placed.

It appears that the Town of Cheshire would have initially approved the tower back in 1984, with subsequent approval for a replacement tower in 2003.

Thank you for your extensive search for a zoning file on this location. In some instances the files do not exist, and it seems this is the case here. We very much appreciate your efforts to locate, and understand that the initial approvals were well ahead of your tenure with the Town.

Would you kindly confirm the above with your signature, below, so that we can provide this information to the Council.

Thank You,

Kri Pelletier / SBA Communications

134 Flanders Rd., Suite 125
Westborough, MA 01581
508.251.0720 x3804 • T
Your Signal Starts Here.

Signature

William S. Voelker
Printed Name

June 11, 2019
Date

ZONING PERMIT

PLANNING AND ZONING COMMISSION

NO. 11985 DATE Nov. 14, 1984

PERMISSION TO:

(BUILD) (REPAIR) (MAKE ALTERATIONS TO) (BUILD ON ADDITION TO)

A _____ FAMILY DWELLING, OR OTHER _____

ERECT TOWER.

DESCRIPTION OF PREMISES: ZONE R-2 VALUE $ 13,000.-

TO ERECT 140' HIGH COMMUNICATION TOWER FOR POLICE RADIO

GRANTED:

John A Grastorky

APPLICANT: I hereby certify that the information contained herein is accurate.

George R. Merriam by H. S. Edwards
Signature of Applicant

George R. Merriam, Chief of Police
Name of Applicant (Print)

500 Highland Ave, Cheshire, CT
Address

272-5333
Telephone No.

****

THIS APPROVAL IS SUBJECT TO COMPLIANCE (PRIOR TO OCCUPANCY) WITH THE PROVISIONS OF THE ZONING REGULATIONS AND THE SUBDIVISION REGULATIONS (WHERE APPLICABLE) OF THE TOWN OF CHESHIRE AND AS AUTHORIZED UNDER 8-3f OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

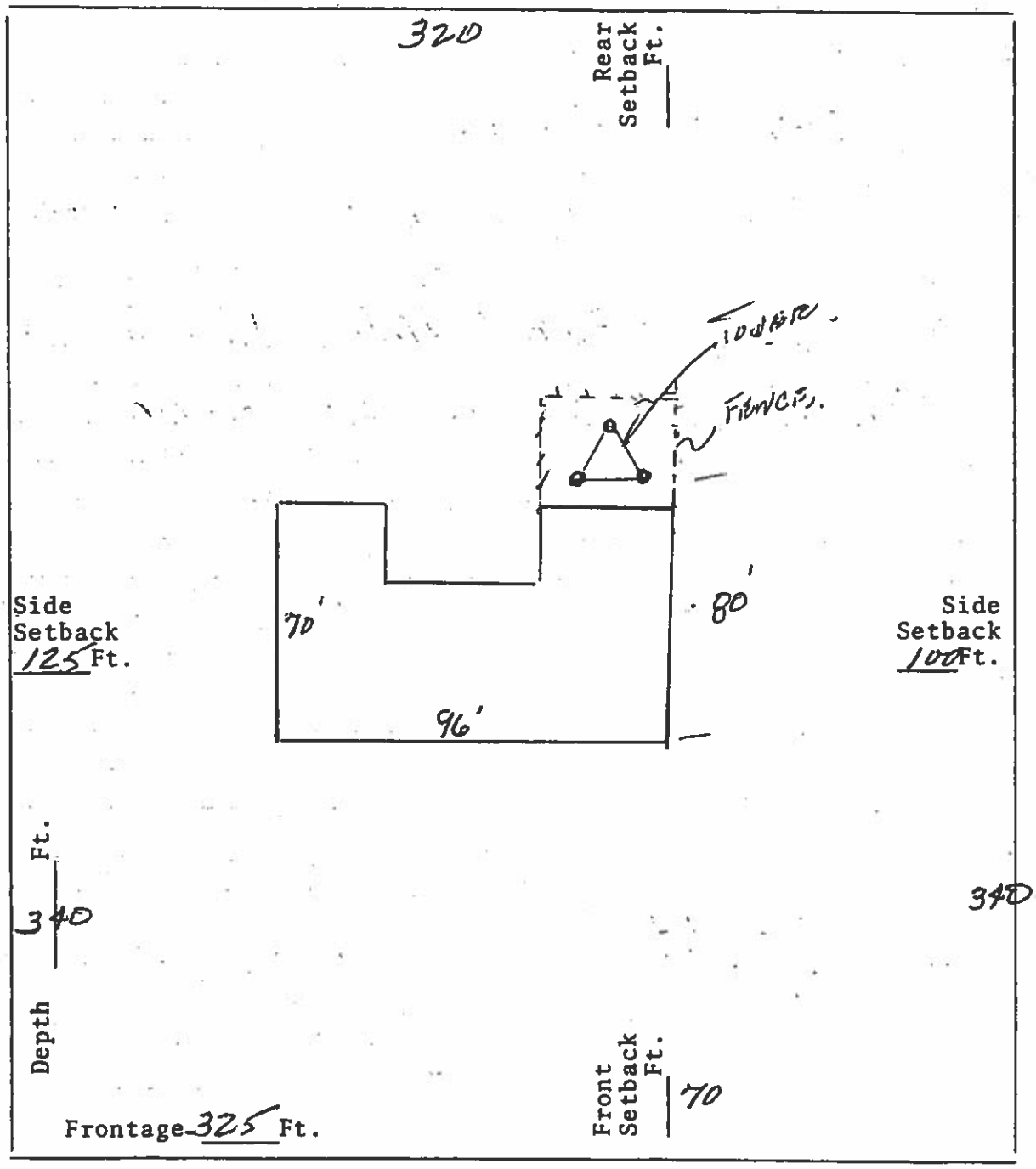
A $5.00 Fee has been paid by the applicant.

PLOT PLAN

LOCATION: N S (E) W SIDE OF HIGHLAND ~~STREET/ROAD~~/AVENUE

HOUSE NO. 500 LOT NO. ____ OWNER OF LAND TOWN OF CHESHIRE

INTERIOR ~~OR CORNER LOT~~ ZONE R-2



MARK NORTH POINT

INFORMATION SUPPLIED BY:

NAME

ZONING PERMIT

PLANNING AND ZONING COMMISSION

NO. 23339 DATE 7-31-03

PERMISSION TO:

(BUILD) (REPAIR) (MAKE ALTERATIONS TO) (BUILD ON ADDITION TO)

A _____ FAMILY DWELLING, OR OTHER 160' TOWER

DESCRIPTION OF PREMISES: ZONE R-40 VALUE $ 90,000 + 80,000 TENANTS

- 160' TOWER
- INSTALL ANTENNAE FOR:
  TOWN
  T-MOBILE
  CINGULAR
  SPRINT
  AT&T

GRANTED: July 31, 03

APPLICANT: I hereby certify that the information contained herein is accurate.

Signature of Applicant

Name of Applicant (Print) HALLELUJA TOWER VENTURES

Address 170 WESTMINSTER ST. PROV, RI 02903

Telephone No. 401-854-1850

****

THIS APPROVAL IS SUBJECT TO COMPLIANCE (PRIOR TO OCCUPANCY) WITH THE PROVISIONS OF THE ZONING REGULATIONS AND THE SUBDIVISION REGULATIONS (WHERE APPLICABLE) OF THE TOWN OF CHESHIRE AND AS AUTHORIZED UNDER 8-3f OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

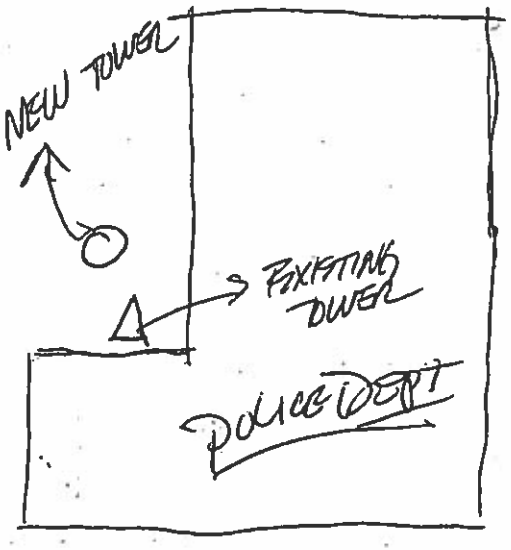
A $25.00 Fee has been paid by the applicant.

HOUSE NO. 500 Highland Ave STREET

LOT NO. 2 OWNER OF LAND Town of Westport

INTERIOR OR CORNER LOT _____ ZONE R40

Rear Setback ____ Ft.



Side Setback 150 Ft.

Side Setback ____ Ft.

Depth ____ Ft.

Front Setback 100 Ft.

Frontage ____ Ft.

MARK NORTH POINT

INFORMATION SUPPLIED BY:

NAME Highlands-Proj-Mgr. TV2, LLC

TOWN OF CHESHIRE, CONN.

No 11985

Total Estimated Cost $.....

Estimated Cost (structural) $ 13,000.00

BUILDING PERMIT

Fee $ WAIVED

OFFICE COPY OF PERMIT

December 19 84

Permission is hereby granted to Town of Cheshire - Police Dept.

to erect a radio tower building on the ..... side of

500 Highland Avenue

as follows:—Size ..... ft. long, ... ft. wide, ... stories high;

supported on ..... walls to be .....;

roof covered with .....; No. of house-keeping units ..... Distance

from nearest building ..... feet; distance from street line ..... feet; distance from each side of lot line

E. ..... feet; W. ..... feet; S. ..... feet; N. ..... feet.

BUILDING LINE

Owner Town of Cheshire

Footing forms must be inspected before pouring of concrete.
All sewage systems, rough electrical and rough plumbing must be inspected before covered.
Certificate of Occupancy must be obtained before building is occupied.

FOR ADDITIONAL REQUIREMENTS OF THIS PERMIT SEE OTHER SIDE.

TO THE BUILDING DEPARTMENT TOWN OF CHESHIRE, CONN.

John Bozzuto

Building Inspector

Permission must be obtained from the Office of the Town Engineer before Building Material can be placed in the highway. Surface and roof water must not be connected with the sewer.

10-1-03 Footings and Rebar - ok R.B.
10-7-03 Piers ok. Kom
10-21-03 underground piping ok RB
6-28-04 Final - ok RB.

Building 500 Highland Avenue Date August 13, 2003

BUILDING PERMIT

23339

Plumbing	
Heating/AC	
Electric	17942
Oil Tank	
Water	
Septic	
Sewer	

Estimated Cost	$ 180,000.00
Fee	$ 1980.00
Zoning Fee	$ 25.00
Total Cost	$ 2005.00

TO BUILDING DEPARTMENT, TOWN OF CHESHIRE, CONN.

The undersigned, hereby applies for a permit to do work according to the following specifications:

No. 500 Highland Ave Lot No. .... Zone R-40

Owner of building Town of Cheshire Address 84 So. Main St.

Builder Tower Venturs II LLC Address 170 Westminster St. Prov. RI

Architect URS Address 795 Brook St. Rocky Hill

Size Main Bldg.: Ft. Front Overall .... Ft. Deep Overall .... Net Area .... Garages ....

No. of Families .... No. of Stories .... Construction .... No. of rooms: 1st .... 2nd .... 3rd ....

Purpose of this Permit: To Erect a 160' Monopole Communication Tower and Attach (Install) AT&T, Sprint, T-Mobile, Cingular Wireless and Municipal Antennae. Erect a Retaining Wall for Future Equipment Buildings.

TOWN OF CHESHIRE, CONN.

№ 23339

Total Estimated Cost $180,000.00

BUILDING PERMIT

Fee $ 1,980.00

August 20, 2003

Permission is hereby granted to Tower Ventures II

to erect a communication tower, antennae and retaining wall

Address: 500 HIGHLAND AVENUE

as follows:—Size .... ft. long, ... ft. wide, ... stories high;

supported on .... walls to be ....;

roof covered with ....

E. .... feet; W. .... feet; S. .... feet; N. .... feet.

Owner Town of Cheshire

Footing forms must be inspected before pouring of concrete.
All sewage systems, rough electrical and rough plumbing must be inspected before covered.
Certificate of Occupancy must be obtained before building is occupied.

BUILDING DEPARTMENT, TOWN OF CHESHIRE, CONN.

[signature] *Building Inspector*

Permission must be obtained from the Office of the Town Engineer before Building Material can be placed in the highway. Surface and roof water must not be connected with the sewer.

Dist. from lot line E. ...., W. 160, S. ...., N. 160, Dist. nearest bldg. .... ft.

Height of stories—cellar .... 1st .... 2nd .... 3rd .... 4th .... 5th ....

Found. depth below grade 42" min Above grade .... Material for footing ....

Size footing .... Material for found. .... Found. thickness 43'

Roof .... Outside studs .... Dist. centers .... Size sill .... Size of plate ....

No. of Stairways .... Piers 1 Dist. apart .... No. of rows .... Size of pier found. 8' ⌀ Caison

Materials for Exterior Walls .... Interior Walls .... Ceiling ....

Size of girders ....

Species of lumber—Floor joists .... Framing .... Sheath. .... R. Fl. .... Fin. Fl. ....

Floor joists, size: 1st .... 2nd .... 3rd .... stories. Dist. on center ....

Longest span of floor joist: 1st .... 2rd .... 3rd .... If not wood joist const. what type of floor? ....

Size of studs carrying partitions .... Size of Roof Rafters .... Longest span .... on center ....

Chimney .... Size of Flue .... How many? .... Tile stark ....

I hereby agree to conform to all the requirements of the Laws of the State of Connecticut and the Ordinances of the Town of Cheshire, and to notify the Building Inspector of any alteration in the plans or specifications of the Building for which this permit is asked. And agree that this building is to be located the proper distance from all street lines, side yard lines and required distances from all other zones and is located in a zone in which this building and its use is allowed.

Signed [signature] HAL GILLIO

Address 170 WESTMINSTER ST, PROV. RI

Telephone 860 345-4602

EXHIBIT 6

CHESHIRE POLICE/TVI

500 HIGHLAND AVINUE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

SITE NO.: CT11308D

RF DESIGN GUIDELINE: 67D5A997DB OUTDOOR

APPROVALS

PROJECT MANAGER:	DATE:	ZONING/SITE ACQ.:	DATE:
CONSTRUCTION:	DATE:	OPERATIONS:	DATE:
RF ENGINEERING:	DATE:	TOWER OWNER:	DATE:

T-MOBILE TECHNICIAN SITE SAFETY NOTES

LOCATION	SPECIAL RESTRICTIONS
SECTOR A:	ACCESS BY CERTIFIED CLIMBER
SECTOR B:	ACCESS BY CERTIFIED CLIMBER
SECTOR C:	ACCESS BY CERTIFIED CLIMBER
GPS/LMU:	UNRESTRICTED
RADIO CABINETS:	UNRESTRICTED
PPC DISCONNECT:	UNRESTRICTED
MAIN CIRCUIT D/C:	UNRESTRICTED
NIU/T DEMARC:	UNRESTRICTED
OTHER/SPECIAL:	NONE

SITE NOTES

1. THIS IS AN UNMANNED AND RESTRICTED ACCESS TELECOMMUNICATION FACILITY, AND IS NOT FOR HUMAN HABITATION. IT WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
   - ADA COMPLIANCE NOT REQUIRED.
   - POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
   - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
2. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACE THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
3. NEW CONSTRUCTION WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
   - BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE
   - ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE
   - STRUCTURAL CODE: TIA/EIA-222-G STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

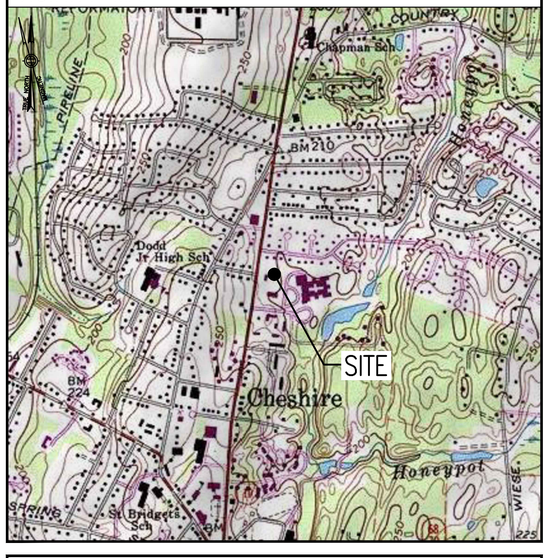
GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE OMNIPOINT REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
14. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/LICENSEE REPRESENTATIVE.
16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
17. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK.

AT LEAST 72 HOURS PRIOR TO DIGGING, THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 811

VICINITY MAP

SCALE: 1" = 1000'-0"



DIRECTIONS

TURN LEFT ONTO S WASHINGTON ST. TURN RIGHT ONTO MA-123 E. TURN LEFT TO MERGE ONTO I-495 NORTH TOWARD MANSFIELD/MARLBORO. MERGE ONTO I-495 NORTH. TAKE EXIT 22 TO MERGE ONTO I-90 WEST TOWARD ALBANY. TAKE EXIT 9 FOR I-84 TOWARD HARTFORD CT/NEW YORK CITY. CONTINUE ONTO I-84. TAKE EXIT 29 ON THE LEFT FOR CT-10 TOWARD MILLDALE. TURN RIGHT ONTO CT-10 SOUTH. SITE WILL BE ON THE LEFT.

SHEET INDEX

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E-1	ELECTRIC & GROUNDING DETAILS	2

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT SUMMARY

SITE NUMBER:	CT11308D
SBA SITE NUMBER:	CT33762-M
SBA SITE NAME:	500 HIGHLAND AVE/LIGHT TOWER
SITE ADDRESS:	500 HIGHLAND AVENUE CHESHIRE, CT 06410
PROPERTY OWNER:	TOWN OF CHESHIRE CHESHIRE, CT 06410
TOWER OWNER:	SBA SITE MANAGEMENT 8501 CONGRESS AVENUE BOCA RATON, FL 33487 PHONE: 561-226-9523
COUNTY:	NEW HAVEN
ZONING DISTRICT:	R-20A (RESIDENTIAL)
STRUCTURE TYPE:	MONOPOLE
STRUCTURE HEIGHT:	160'±
APPLICANT:	T-MOBILE NORTHEAST LLC 15 COMMERCE WAY, SUITE B NORTON, MA 02766
SBA RSM:	RON LENNOX EMAIL: RLENNOX@SBASITE.COM
ARCHITECT:	CHAPPELL ENGINEERING ASSOCIATES, LLC. 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
STRUCTURAL ENGINEER:	CHAPPELL ENGINEERING ASSOCIATES, LLC. 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
SITE CONTROL POINT:	LATITUDE: N.41.511190° N41°30'40.28" LONGITUDE W.72.898490° W72°53'54.56"

SPECIAL ZONING NOTE:
BASED ON INFORMATION PROVIDED BY T-MOBILE REGULATORY COMPLIANCE PROFESSIONALS AND LEGAL COUNSEL, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS CONSIDERED AN ELIGIBLE FACILITY UNDER THE MIDDLE CLASS TAX RELIEF AND JOB CREATION ACT OF 2012, 47 USC 1455(A), SECTION 6409(A), AND IS SUBJECT TO AN ELIGIBLE FACILITY REQUEST, EXPEDITED REVIEW, AND LIMITED/PARTIAL ZONING PRE-EMPTION FOR LOCAL DISCRETIONARY PERMITS (VARIANCE, SPECIAL PERMIT, SITE PLAN REVIEW, OR ADMINISTRATIVE REVIEW).

T-MOBILE NORTHEAST LLC
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
(508) 286-2700

SBA
SBA COMMUNICATIONS CORP.
134 FLANDERS ROAD, SUITE 125
WESTBOROUGH, MA 01581
(508) 251-0720

CHAPPELL ENGINEERING ASSOCIATES, LLC
Civil ·Structural ·Land Surveying
R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST, SUITE 101
MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellengineering.com

STATE OF CONNECTICUT
JAMES M. FITZGERALD
No. 25997
LICENSED
PROFESSIONAL CIVIL ENGINEER
2/12/2021

CHECKED BY: JMT

APPROVED BY: JMT

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	02/12/21	ISSUED FOR CONSTRUCTION	CMC
0	11/12/20	ISSUED FOR REVIEW	JRV

SITE NUMBER:
CT11308D

SITE ADDRESS:
500 HIGHLAND AVENUE
CHESHIRE, CT 06410

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

1815.067

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR – T–MOBILE
   SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
   OWNER – T–MOBILE
   OEM – ORIGINAL EQUIPMENT MANUFACTURER

2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.

3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.

4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL, STATE AND FEDERAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

5. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.

6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.

9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 CABLES AND GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR AND/OR LANDLORD PRIOR TO CONSTRUCTION.

10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY.

12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION AND RETURN DISTURBED AREAS TO ORIGINAL CONDITIONS.

13. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

14. SUBCONTRACTOR SHALL NOTIFY CHAPPELL ENGINEERING ASSOCIATES, LLC 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING TRENCHES, SEALING ROOF AND WALL PENETRATIONS AND POST DOWNS, FINISHING NEW WALLS OR FINAL ELECTRICAL CONNECTIONS FOR ENGINEERING REVIEW.

15. CONSTRUCTION SHALL COMPLY WITH ALL T–MOBILE STANDARDS AND SPECIFICATIONS.

16. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

17. THE EXISTING CELL SITES ARE IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

18. IF THE EXISTING CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.

2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.

3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.

4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

5. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.

6. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

7. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

8. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.

9. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

10. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

11. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE T–MOBILE SPECIFICATION FOR SITE SIGNAGE.

CONCRETE AND REINFORCING STEEL NOTES:

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. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. A HIGHER STRENGTH (4000PSI) MAY BE USED. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 381 CODE REQUIREMENTS

3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.

4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST EARTH.....3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER .....2 IN.
   #5 AND SMALLER & WWF .....1½ IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER
   OR NOT CAST AGAINST THE GROUND:
   SLAB AND WALL .....¾ IN.
   BEAMS AND COLUMNS .....1½ IN.

5. A CHAMFER ¾" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. EXPANSION BOLTS SHALL BE PROVIDED BY SIMPSON OR APPROVED EQUAL.

7. CONCRETE CYLINDER TIES ARE NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC1905.6.2.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;
   (A) RESULTS OF CONCRETE CYLINDER TEST PERFORMED AT THE SUPPLIERS PLANT.
   (B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.
FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.

8. AS AN ALTERNATIVE TO ITEM 7. TEST CYLINDERS SHALL BE TAKEN INITIALLY AND THEREAFTER FOR EVERY 50 YARDS OF CONCRETE FROM EACH DIFFERENT BATCH PLANT.

9. EQUIPMENT SHALL NOT BE PLACED ON NEW PADS FOR SEVEN DAYS AFTER PAD IS POURED, UNLESS IT IS VERIFIED BY CYLINDER TESTS THAT COMPRESSIVE STRENGTH HAS BEEN ATTAINED.

STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH THE DRAWINGS AND T–MOBILE SPECIFICATIONS UNLESS OTHERWISE NOTED. STRUCTURAL STEEL SHALL BE ASTM–A–36 UNLESS OTHERWISE NOTED ON THE SITE SPECIFIC DRAWINGS. STEEL DESIGN, INSTALLATION AND BOLTING SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "MANUAL OF STEEL CONSTRUCTION".

2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. PAINTED SURFACES SHALL BE TOUCHED UP.

3. BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (¾"ø) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE GALVANIZED OR STAINLESS STEEL.

4. NON–STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE ⅝" DIA. ASTM A 307 BOLTS (GALV) UNLESS NOTED OTHERWISE.

5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW & APPROVAL ON PROJECTS REQUIRING STRUCTURAL STEEL

6. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION AND TOPSOIL TO EXPOSE NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.

2. COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.

3. AS AN ALTERNATE TO INSPECTION AND WRITTEN CERTIFICATION, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.

4. COMPACTED SUBBASE SHALL BE UNIFORM AND LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING #1 SIEVE.

5. AS AN ALTERNATE TO ITEMS 2 AND 3, THE SUBGRADE SOILS WITH 5 PASSES OR A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND–OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). AND SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL–GRADED GRANULAR FILL AND COMPACTED AS STATED ABOVE.

COMPACTION EQUIPMENT:

1. HAND OPERATED DOUBLE DRUN, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

CONSTRUCTION NOTES:

1. FIELD VERIFICATION:
SUBCONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, T–MOBILE ANTENNA PLATFORM LOCATION AND UTILITY TRENCHWORK.

2. COORDINATION OF WORK:
SUBCONTRACTOR SHALL COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.

3. CABLE LADDER RACK:
SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY AND/OR ICE BRIDGE, AND CONDUIT AS REQUIRED TO SUPPORT CABLES TO THE NEW BTS LOCATION.

ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.

2. SUBCONTRACTOR SHALL MODIFY OR INSTALL CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.

3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.

4. CABLES SHALL NOT BE ROUTED THROUGH LADDER–STYLE CABLE TRAY RUNGS.

5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA, AND MATCH INSTALLATION REQUIREMENTS.

6. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC AND OSHA.

7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).

8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.

9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.

10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN–2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.

11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN–2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.

12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR #2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.

13. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN–2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.

14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY HARGER (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).

15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.

20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.

21. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.

23. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

24. CABINETS, BOXES AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

25. WIREWAYS SHALL BE EPOXY–COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED, OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

31. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.

32. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.

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STATE OF CONNECTICUT
JAMES M. FITZGERALD
No. 25997
LICENSED
PROFESSIONAL CIVIL ENGINEER

2/12/2021

CHECKED BY: JMT

APPROVED BY: JMT

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	02/12/21	ISSUED FOR CONSTRUCTION	CMC
0	11/12/20	ISSUED FOR REVIEW	JRV

SITE NUMBER:
CT11308D

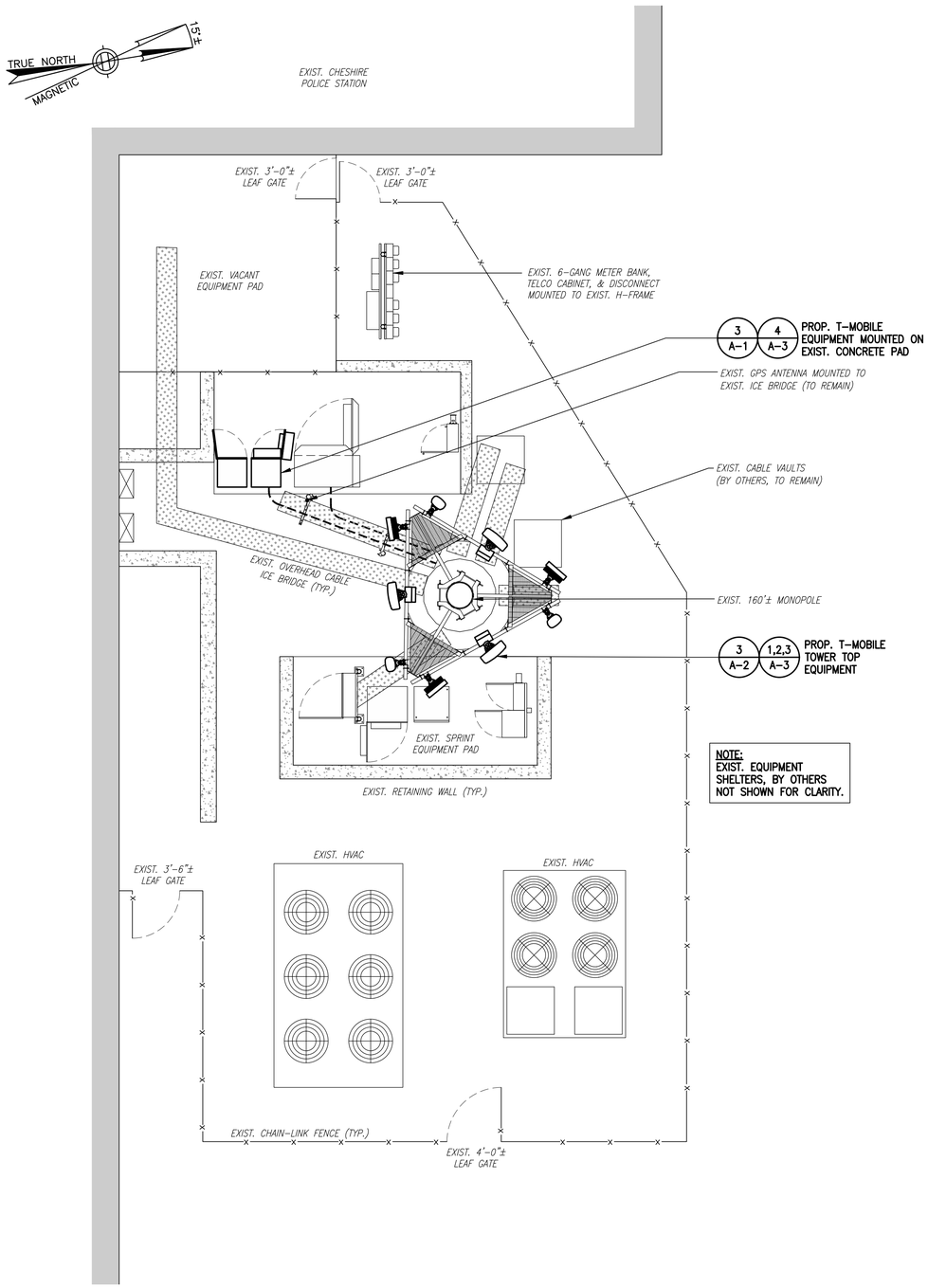
SITE ADDRESS:
500 HIGHLAND AVENUE
CHESHIRE, CT 06410

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

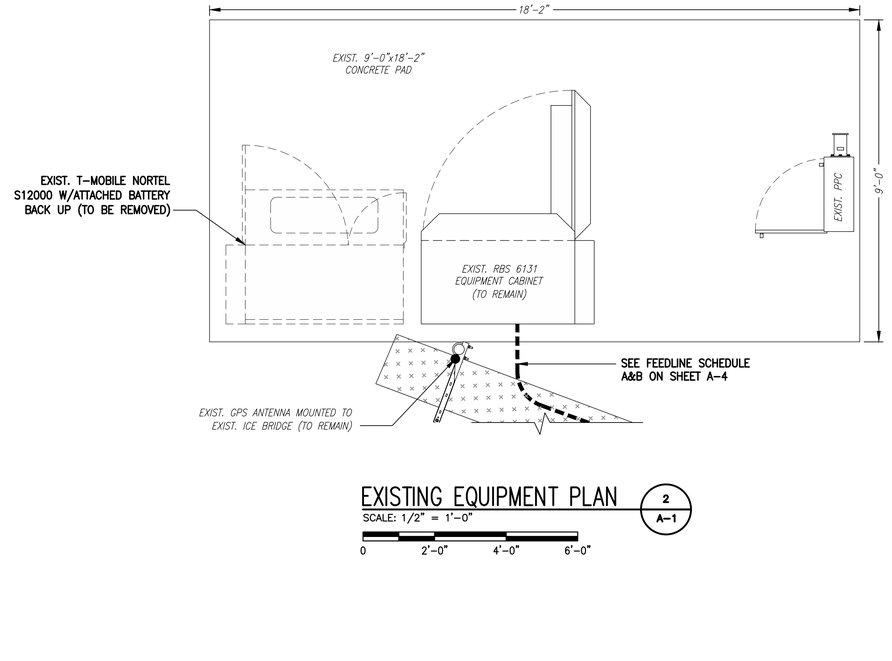
1815.067

SPECIAL PRE-CONSTRUCTION WORK NOTE (SBA-PROVIDED TOWER STRUCTURAL ANALYSIS SPECIAL EQUIPMENT INSTALLATION REQUIREMENTS):
GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SPECIAL OR SUPPLEMENTAL ADDITIONAL TOWER-MOUNTED EQUIPMENT PER RECOMMENDATIONS FROM SBA-PROVIDED TOWER STRUCTURAL ANALYSIS FOR ANY SPECIAL SHIELDING OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE BUNDLING OR RELOCATION.

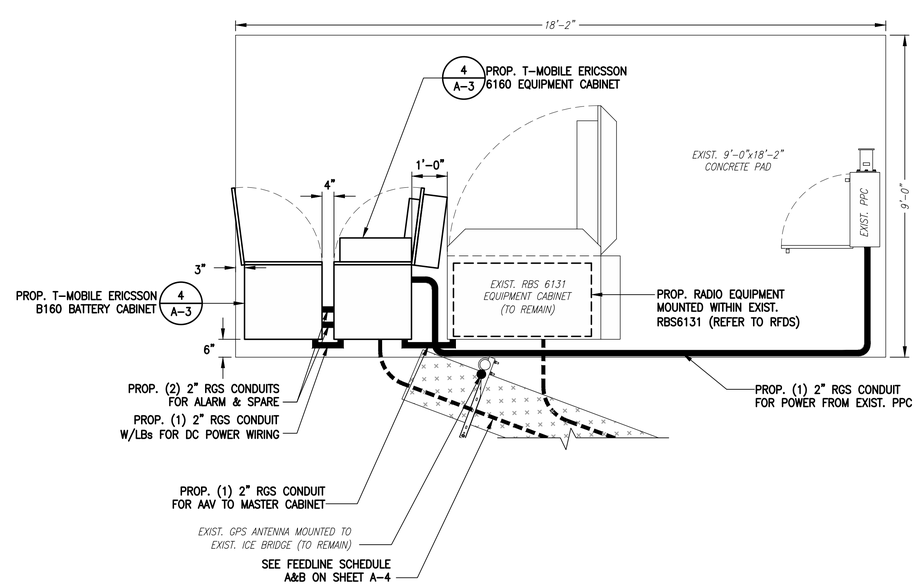


NOTE:
EXIST. EQUIPMENT SHELTERS, BY OTHERS NOT SHOWN FOR CLARITY.

COMPOUND PLAN 1 A-1
SCALE: 1" = 10'-0"
0 10'-0" 20'-0 30'-0"



EXISTING EQUIPMENT PLAN 2 A-1
SCALE: 1/2" = 1'-0"
0 2'-0" 4'-0" 6'-0"



PROPOSED EQUIPMENT PLAN 3 A-1
SCALE: 1/2" = 1'-0"
0 2'-0" 4'-0" 6'-0"

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STATE OF CONNECTICUT
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CHECKED BY: JMT

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SHEET TITLE
COMPOUND & EQUIPMENT PLAN

SHEET NUMBER
A-1

1815.067

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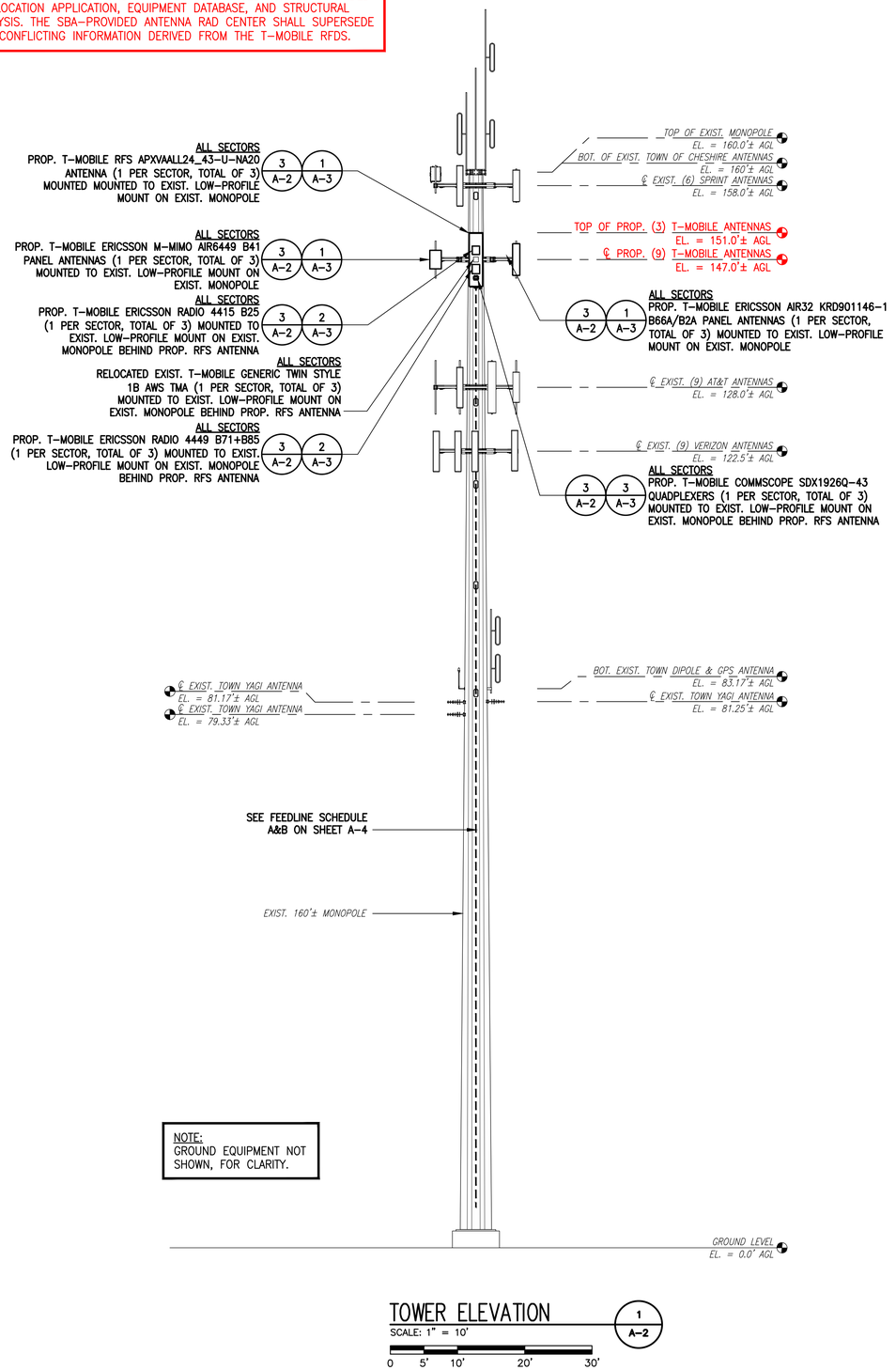
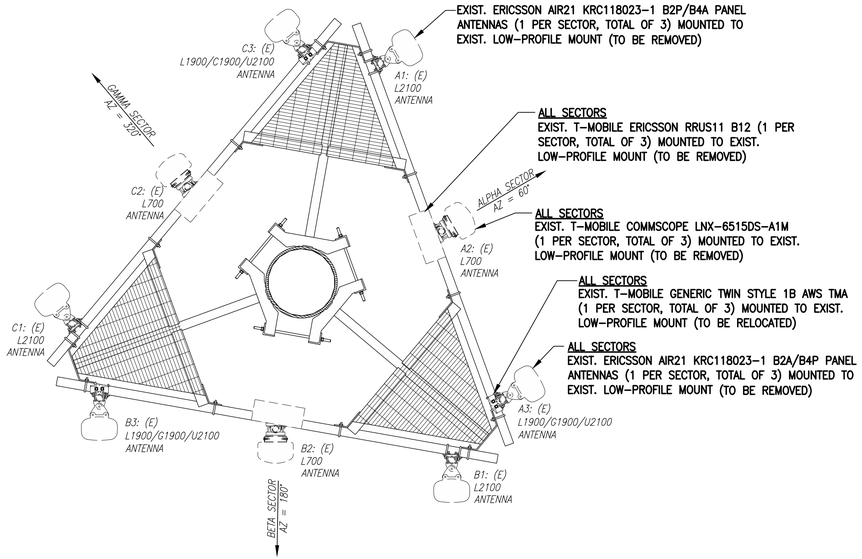
RAD CENTER NOTE:
T-MOBILE RAD CENTER SHOWN IN RED TEXT BASED ON SBA-PROVIDED CO-LOCATION APPLICATION, EQUIPMENT DATABASE, AND STRUCTURAL ANALYSIS. THE SBA-PROVIDED ANTENNA RAD CENTER SHALL SUPERSEDE ANY CONFLICTING INFORMATION DERIVED FROM THE T-MOBILE RFDS.

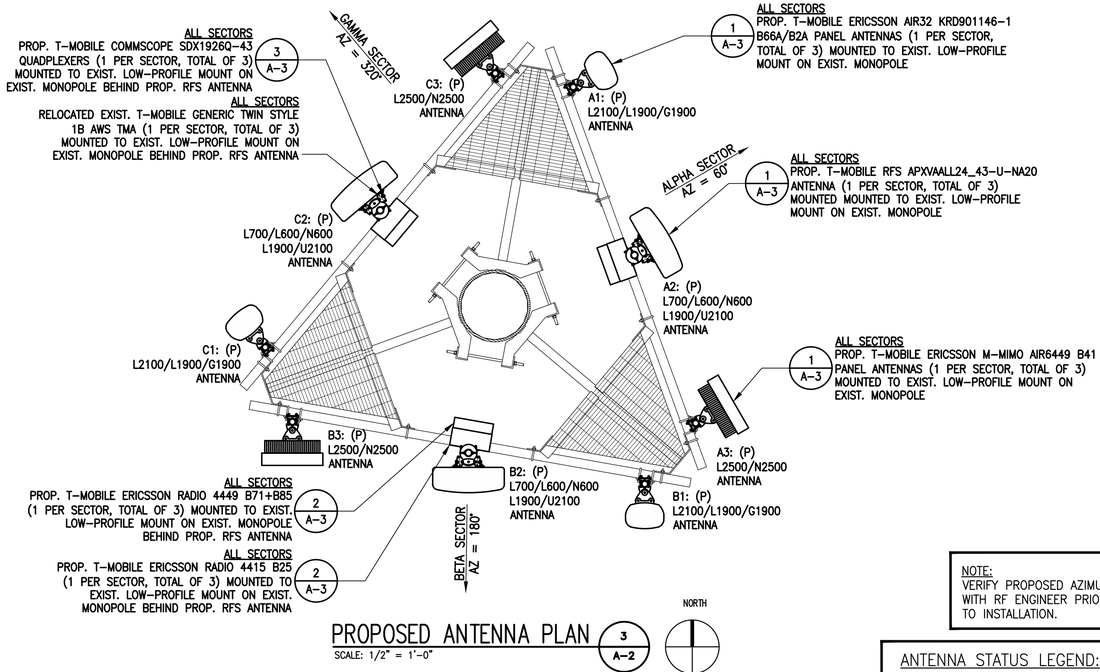


NOTE:
GROUND EQUIPMENT NOT SHOWN, FOR CLARITY.

TOWER ELEVATION (1 / A-2)
SCALE: 1" = 10'
0 5' 10' 20' 30'



EXISTING ANTENNA PLAN (2 / A-2)
SCALE: 1/2" = 1'-0"



PROPOSED ANTENNA PLAN (3 / A-2)
SCALE: 1/2" = 1'-0"

NOTE:
VERIFY PROPOSED AZIMUTHS WITH RF ENGINEER PRIOR TO INSTALLATION.

ANTENNA STATUS LEGEND:

EMPTY – EMPTY PIPE

(E) – EXISTING
(P) – INSTALL
(F) – FUTURE

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STATE OF CONNECTICUT * JAMES M. FITZGERALD * No. 25997 LICENSED PROFESSIONAL CIVIL ENGINEER
2/12/2021

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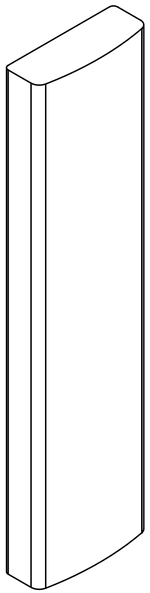
SHEET TITLE
TOWER ELEVATIONS & ANTENNA PLAN

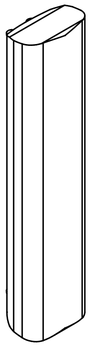
SHEET NUMBER
A-2

1815.067



RFS APXVAALL24_43-U-NA20 ANTENNA

DIMENSIONS: 95.9"H x 24.0"W x 8.7"D
WEIGHT: 128.0 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3



ERICSSON AIR32 KRD901146-1
B66A/B2A ANTENNA

DIMENSIONS: 56.6"H x 12.9"W x 8.7"D
WEIGHT: 132.2 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3

ERICSSON M-MIMO AIR6449
B41 ANTENNA

DIMENSIONS: 33.1"H x 20.5"W x 8.3"D
WEIGHT: 103.0 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3

ANTENNA DETAILS (1 / A-3)
SCALE: N.T.S.

ERICSSON RADIO 4415 B25

DIMENSIONS: 16.5"H x 13.4"W x 5.9"D
WEIGHT: 46.0 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3

ERICSSON RADIO 4449 B71+B85

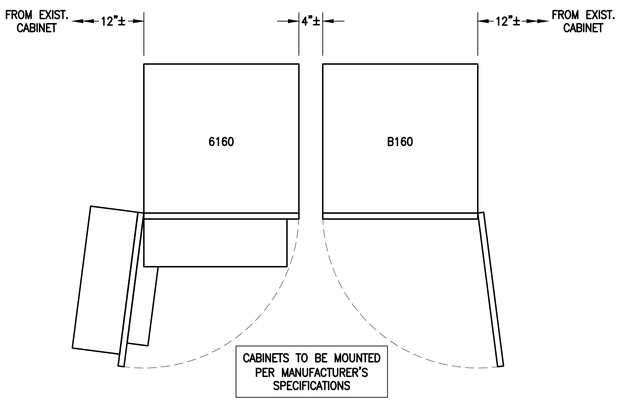
DIMENSIONS: 14.9"H x 13.2"W x 9.3"D
WEIGHT: 74.0 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3

RADIO DETAILS (2 / A-3)
SCALE: N.T.S.

COMMSCOPE SDX1926Q-43
QUADPLEXER

DIMENSIONS: 4.2"H x 6.9"W x 2.9"D
WEIGHT: 6.2 lbs
QUANTITY: 1 PER SECTOR, TOTAL OF 3

DIPLEXER DETAIL (3 / A-3)
SCALE: N.T.S.



ERICSSON 6160 SITE
SUPPORT CABINET

DIMENSIONS: 63.25"H x 26.0"W x 34.0"D
WEIGHT: 680.0 lbs
QUANTITY: TOTAL OF 1

ERICSSON B160
BATTERY CABINET

DIMENSIONS: 63.25"H x 26.0"W x 26.0"D
WEIGHT: 1771.0 lbs
QUANTITY: TOTAL OF 1

EQUIPMENT DETAIL (4 / A-3)
SCALE: N.T.S.

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2/12/2021

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SHEET TITLE
SITE DETAILS

SHEET NUMBER
A-3

1815.067

FINAL ANTENNA CONFIGURATION

SECTOR	ANTENNA	RAD CENTER	AZIMUTH (TRUE NORTH)	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	BAND	TMA/RADIOS	SIGNAL CABLES
ALPHA	A1 ERICSSON AIR32 KRD901146-1 B66A/B2A	147'± AGL	60°	0°	3°	L2100/G1900/L1900	–	*(E) (6) 1-5/8" COAX CABLES* **(P) (3) 1-5/8" (6x12) HCS FIBER CABLES**
	A2 RFS APXVAALL24_43-U-NA20	147'± AGL	60°	0°	2°	L700/L600/N600	RADIO 4449 B71+B85	
					3°	L1900/U2100	RADIO 4415 B25 SDX1926Q-43 QUADPLEXER *TWIN 1B AWS TMA (KRY 112 144/1)*	
	A3 ERICSSON M-MIMO AIR6449 B41	147'± AGL	60°	0°	3°	L2500/N2500	–	
BETA	B1 ERICSSON AIR32 KRD901146-1 B66A/B2A	147'± AGL	180°	0°	3°	L2100/G1900/L1900	–	
	B2 RFS APXVAALL24_43-U-NA20	147'± AGL	180°	0°	2°	L700/L600/N600	RADIO 4449 B71+B85	
					3°	L1900/U2100	RADIO 4415 B25 SDX1926Q-43 QUADPLEXER *TWIN 1B AWS TMA (KRY 112 144/1)*	
	B3 ERICSSON M-MIMO AIR6449 B41	147'± AGL	180°	0°	3°	L2500/N2500	–	
GAMMA	C1 ERICSSON AIR32 KRD901146-1 B66A/B2A	147'± AGL	320°	0°	3°	L2100/G1900/L1900	–	
	C2 RFS APXVAALL24_43-U-NA20	147'± AGL	320°	0°	2°	L700/L600/N600	RADIO 4449 B71+B85	
					3°	L1900/U2100	RADIO 4415 B25 SDX1926Q-43 QUADPLEXER *TWIN 1B AWS TMA (KRY 112 144/1)*	
	C3 ERICSSON M-MIMO AIR6449 B41	147'± AGL	320°	0°	3°	L2500/N2500	–	

CABLE NOTE: (E) (6) 1-5/8" COAX CABLES & (1) 1-1/4" (9x18) HCS FIBER CABLE TO BE REMOVED. SEE FEEDLINE SCHEDULE A & B BELOW.

NOTE: RFDS REV6 – 09/25/20

FEEDLINE SCHEDULE

SCHEDULE	FEEDLINES		LOCATION
A	*EXISTING TO REMAIN:*	*(6) 1-5/8" COAX CABLES*	**ROUTED PER STRUCTURAL ANALYSIS**
	EXISTING TO BE REMOVED:	*(6) 1-5/8" COAX CABLES* *(1) 1-1/4" (9x18) HCS FIBER CABLE*	
B	**PROPOSED:**	**(3) 1-5/8" (6x12) HCS FIBER CABLES**	

NOTE:
EXISTING T-MOBILE EQUIPMENT FEEDLINE INVENTORY BASED ON OBSERVED FIELD CONDITIONS. RFDS AND FEEDLINE LEASING ENTITLEMENTS MAY DIFFER.

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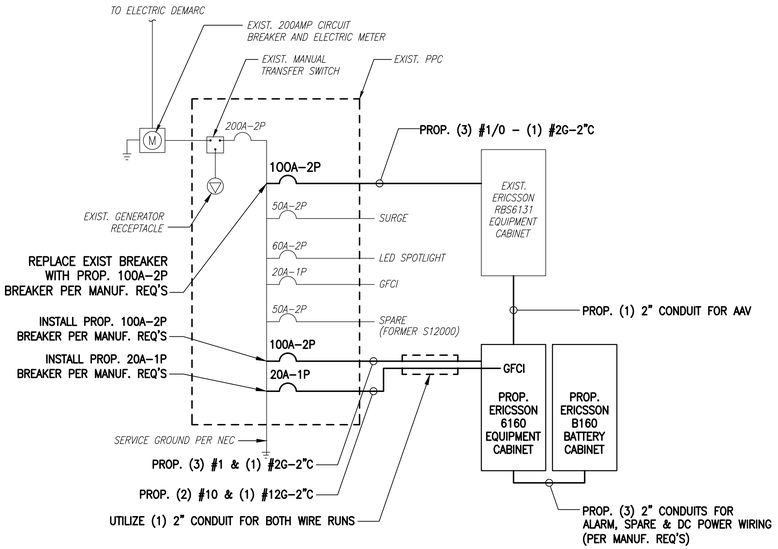
500 HIGHLAND AVENUE
CHESHIRE, CT 06410

SHEET TITLE
ANTENNA & FEEDLINE CHARTS

SHEET NUMBER
A-4

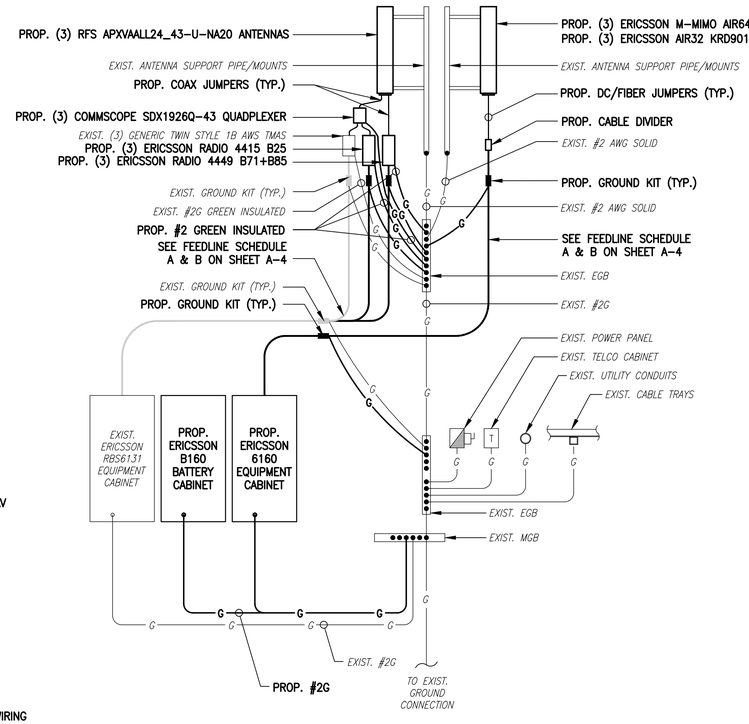
1815.067



ONE LINE DIAGRAM

SCALE: NOT TO SCALE

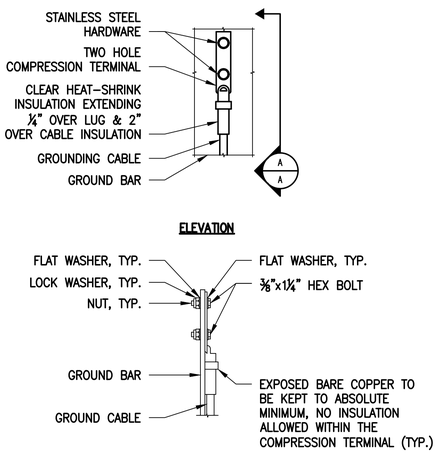
1 / E-1



GROUNDING RISER DIAGRAM

SCALE: NOT TO SCALE

2 / E-1



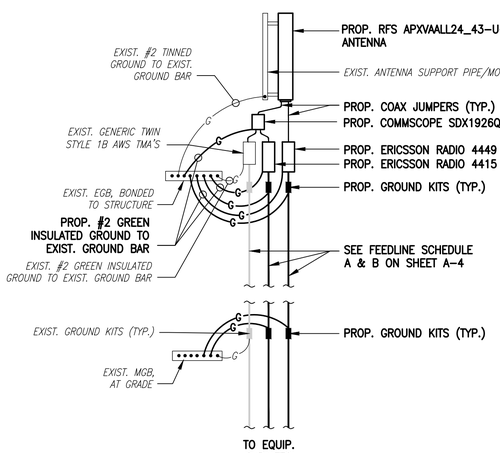
NOTES:

1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
3. CADWELL DOWNLEADS FROM UPPER EGB, LOWER EGB AND MGB.

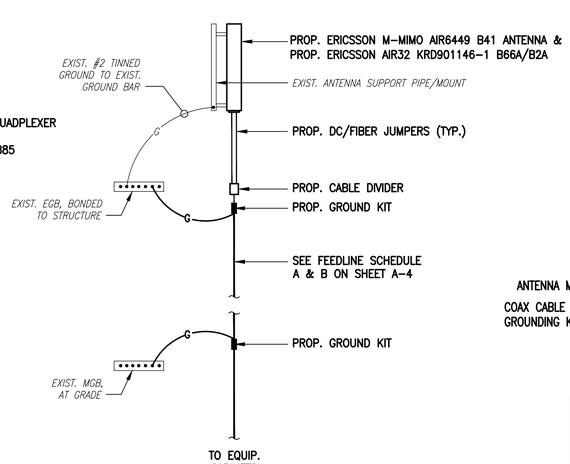
TYPICAL GROUND BAR CONNECTIONS DETAIL

SCALE: NOT TO SCALE

3 / E-1



L700/L600/N600/L1900/U2100 ANTENNA

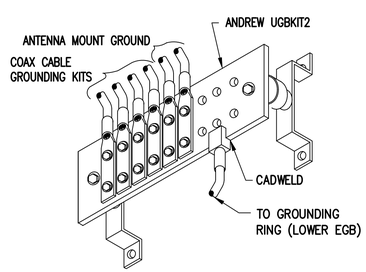


L2500/N2500 ANTENNA & L2100/L1900/G1900 ANTENNA

COAX CABLE CONNECTION AND GROUNDING DETAIL

SCALE: NOT TO SCALE

4 / E-1



GROUND BAR (EGB)

SCALE: NOT TO SCALE

5 / E-1

ELECTRICAL AND GROUNDING NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
6. BURIED CONDUIT SHALL BE SCHEDULE 40 PVC.
7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THININSULATION.
8. RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
9. RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON THIS DRAWING PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
10. WHERE CONDUIT BETWEEN BTS AND PROJECT OWNER CELL SITE PPC AND BETWEEN BTS AND PROJECT OWNER CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE PVC CONDUIT.
11. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
12. PPC SUPPLIED BY PROJECT OWNER.
13. GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTNING PROTECTION SHALL BE DONE IN ACCORDANCE WITH "T-MOBILE BTS SITE GROUNDING STANDARDS".
14. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
15. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
16. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
17. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 6 FEET OF PROJECT OWNER EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.
18. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
19. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
20. CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXIST. TOWER/ MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.
21. CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMNS MINIMUM RESISTANCE REQUIRED.
22. CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND LNA RETURN-LOSS AND DISTANCE- TO-FAULT MEASUREMENTS (SWEEP TESTS) AND RECORD RESULTS FOR PROJECT CLOSE OUT.

T-MOBILE NORTHEAST LLC

15 COMMERCE WAY, SUITE B
NORTON, MA 02766
(508) 286-2700

SBA

SBA COMMUNICATIONS CORP.
134 FLANDERS ROAD, SUITE 125
WESTBOROUGH, MA 01581
(508) 251-0720

CHAPPELL ENGINEERING ASSOCIATES, LLC
Civil ·Structural ·Land Surveying

R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST, SUITE 101
MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellengineering.com

STATE OF CONNECTICUT
JAMES M. FITZGERALD
No. 25937
LICENSED PROFESSIONAL CIVIL ENGINEER

2/12/2021

CHECKED BY: JMT

APPROVED BY: JMT

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	02/12/21	ISSUED FOR CONSTRUCTION	CMC
0	11/12/20	ISSUED FOR REVIEW	JRV

SITE NUMBER:
CT11308D

SITE ADDRESS:
500 HIGHLAND AVENUE
CHESHIRE, CT 06410

SHEET TITLE
ELECTRIC & GROUNDING DETAILS

SHEET NUMBER
E-1

1815.067

EXHIBIT 7

500 HIGHLAND AVE / LIGHT TOWER

SBA SITE ID: CT33762-M

MOUNT INFORMATION:

MOUNT TYPE: 12'-6" PLATFORM
SITE LOCATION:
LAT.: 41° 30' 40.30
LONG.: -72° 53' 54.50
STREET ADDRESS: 500 HIGHLAND AVE
CITY, STATE ZIP: CHESHIRE, CT 06410
COUNTY: TANEY

CODE COMPLIANCE:

GOVERNING CODES: TIA-222-H

WIND SPEEDS: 136 MPH 3-SECOND GUST
50 MPH 3-SECOND GUST (W/ ICE)

ICE THICKNESS: 1"

RISK CATEGORY: III
EXPOSURE CATEGORY: B
TOPO CATEGORY: 1

PROJECT CONTACTS:

CLIENT CONTACT:
BENJAMIN WALSH
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
(816) 872-5072

ENGINEER CONTACT:
GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION
520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
(330)572-2100
FOR QUESTIONS PLEASE EMAIL:
GPDMODS@GPDGROUP.COM

QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM GPD TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTING QUALIFIED ENGINEERING SERVICES PLEASE CONTACT GPD AT GPDMODS@GPDGROUP.COM.

SHEET INDEX:

STATE OF CONNECTICUT
CHRISTOPHER J. SCHEKS
No. 30026
PROFESSIONAL ENGINEER
11/19/20

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

500 HIGHLAND AVE / LIGHT TOWER
SBA SITE ID: CT33762-M

DESIGN DRAWINGS PREPARED FOR:
T-Mobile
T-MOBILE SITE ID: CT11308D

REV.	DATE	DESCRIPTION
0	11/19/20	INITIAL RELEASE

500 HIGHLAND AVE / LIGHT TOWER
500 HIGHLAND AVE
CHESHIRE, CT 06410

TITLE SHEET

ISSUED FOR:	
PERMIT	11/18/2020
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
CB	CJS

JOB NO.
2019778.33762.13

T-01

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222, AWS, ANSI TIA-322, AND AISC. MATERIALS, FABRICATION, INSTALLATION, AND ALL OTHER SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND THE CONTRACT SPECIFICATIONS.

2. ALL MATERIAL SPECIFIED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZES AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR DETERMINING IF SUBSTITUTE IS SUITABLE FOR USE AND MEETS THE ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER.

3. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO TOWER OWNER THAT THEY HAVE OBTAINED, UNDERSTAND, AND WILL FOLLOW TOWER OWNER STANDARDS OF PRACTICE, CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES, ALL PRODUCT LIMITATIONS AND INSTALLATION PROCEDURES USED ON SITE, AND PROPOSED INSTALLATION DESCRIBED PRIOR TO BEGINNING CONSTRUCTION OR CLIMBING.

4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE. THIS INCLUDES PROVIDING THE NECESSARY CERTIFICATIONS TO THE TOWER OWNER AND ENGINEER.

5. THESE DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

6. CONSTRUCTION WORK PRESENTS UNIQUE THREATS TO HEALTH AND SAFETY. THE CONTRACTOR IS RESPONSIBLE TO EDUCATE THEIR WORK FORCE OF THESE DANGERS AND LIMIT THEIR EXPOSURE TO HAZARDS. THIS EDUCATION SHALL INCLUDE BUT NOT BE LIMITED TO APPLICABLE TRAINING COURSES AND CERTIFICATIONS, PROPER PERSONAL PROTECTIVE EQUIPMENT USAGE, DAILY TAILGATE MEETINGS AND ANY OTHER PREVENTATIVE MEASURES WHICH MAY BE REASONABLY EXPECTED. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. THE CONTRACTOR SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.

7. TOWER WORK PRESENTS ADDITIONAL THREATS TO HEALTH AND SAFETY. ALL TOWER WORKERS WORKING ON A TOWER MUST BE ADEQUATELY TRAINED AND MONITORED TO ENSURE THAT SAFE WORK PRACTICES ARE LEARNED AND FOLLOWED. AS REQUIRED BY OSHA, WHEN WORKING ON EXISTING COMMUNICATION TOWERS, EMPLOYEES MUST BE PROVIDED WITH APPROPRIATE FALL PROTECTION, TRAINED TO USE THIS FALL PROTECTION PROPERLY, AND THE USE OF FALL PROTECTION MUST BE CONSISTENTLY SUPERVISED AND ENFORCED BY THE CONTRACTOR.

8. ALL SAFETY EQUIPMENT SHALL BE INSPECTED ACCORDING TO ALL OSHA AND INDUSTRY SCHEDULED INTERVALS AND ALL INSPECTIONS SHALL BE DOCUMENTED PER APPLICABLE CODES AND STANDARDS.

9. CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING ALL COAX, T-BRACKETS, ANTENNA MOUNTS, AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACED AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATIONS TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOMIZATIONS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVING SUCH ATTACHMENTS. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE TOWER OWNER IN WRITING.

10. CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY OR LEASE AREA AND APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS WITHIN THESE BOUNDARIES. CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE LAND OWNER PRIOR TO MOBILIZATION. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR.

11. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 10-MPH). CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY LOCAL TOWER SHORING, TEMPORARY GLOBAL TOWER SHORING, AND ALL SHORING OF SURROUNDING BUILDINGS, PADS, AND OTHER OUTDOOR SITE OBSTRUCTIONS. ALL SHORING, TEMPORARY BRACING, AND TEMPORARY SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

12. ABSOLUTELY NO WELDING, TORCH CUTTING, OR OPEN FLAME OF ANY TYPE IS PERMITTED ON THIS STRUCTURE, AND ON THIS CONSTRUCTION SITE, UNLESS DIRECTLY SPECIFIED WITHIN THESE DRAWINGS.

13. VERIFY IF THIS STRUCTURE IS AN FM TOWER AND TAKE NECESSARY ACTIONS TO PROVIDE SAFE WORKING CONDITIONS INCLUDING, BUT NOT LIMITED TO, HAVING FM SIGNAL TURNED OFF. CONTRACTOR SHALL HAVE PROPER RADMAN FOR NOTIFICATION OF EXCESSIVE RF EXPOSURE FOR ALL INDIVIDUALS WORKING ON SITE IF FM ANTENNAS ARE PRESENT.

14. ALL MANUFACTURERS HARDWARE AND ASSEMBLY INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. DEVIATION FROM THE INSTRUCTIONS IS UNACCEPTABLE AND REQUIRES WRITTEN APPROVAL FROM ENGINEER.

15. DO NOT SCALE DRAWINGS.

16. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL ASSOCIATED HARDWARE SHALL NOT BE IMPEDED OR MODIFIED WITHOUT THE WRITTEN CONSENT OF GPD GROUP.

17. **QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM GPD TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTING QUALIFIED ENGINEERING SERVICES PLEASE CONTACT GPD AT GPDMODS@GPDGROUP.COM.**

INSPECTION NOTES

1. ALL INSPECTION REQUIREMENTS SET FORTH BY THE CARRIER AND/OR TOWER OWNER SHALL BE FOLLOWED WHERE APPLICABLE. COORDINATION OF THESE INSPECTIONS IS THE RESPONSIBILITY OF THE CONTRACTOR. SHOULD NO REQUIREMENTS BE COMMUNICATED FROM EITHER CARRIER OR TOWER OWNER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY GPD IN ORDER TO DETERMINE SPECIFIC INSPECTION REQUIREMENTS.

2. ANY INSPECTION WHICH IS PERFORMED SHALL BE DONE TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE DESIGN ITSELF. THE INSPECTOR DOES NOT TAKE OWNERSHIP OF THE DESIGN'S EFFECTIVENESS OR INTENT.

3. DEVIATIONS FROM THE DESIGN DRAWINGS DISCOVERED DURING THE INSPECTION PROCESS SHALL BE COMMUNICATED TO GPD FOR APPROVAL.

4. INSTALLATION OF THE REINFORCEMENT SPECIFIED IN THIS DESIGN PACKAGE WITHOUT PROPER INSPECTION IS DONE AT THE RISK OF THE CONTRACTOR. GPD TAKES NO RESPONSIBILITY FOR THE EFFECTIVENESS OF THE REINFORCEMENT IN THE CASE THAT INSPECTIONS ARE NOT PERFORMED AS DESCRIBED ABOVE.

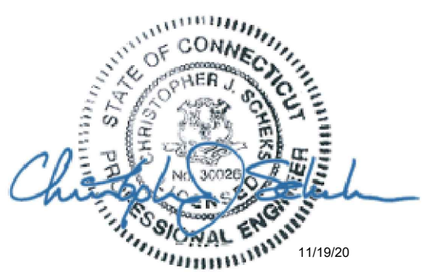
STRUCTURAL STEEL NOTES

1. ALL NEW STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOT-DIPPED GALVANIZING IS NOT PERMITTED MAGNI 565 COATING (OR ENGINEER APPROVED EQUIVALENT) SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.

2. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING INSTALLATION SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING BRUSH APPLIED PAINT (ZRC OR EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).

3. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222 REQUIREMENTS.

4. ALL BOLTS, INCLUDING U-BOLTS, SHALL BE TIGHTENED IN ACCORDANCE WITH AISC "SNUG TIGHT" REQUIREMENTS, U.N.O.



11/19/20

GPD Engineering and Architecture Professional Corporation

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Akron, OH 44311
330.572.2100 Fax 330.572.2102

SBA

500 HIGHLAND AVE / LIGHT TOWER
SBA SITE ID: CT33762-M

DESIGN DRAWINGS PREPARED FOR:

T-Mobile

T-MOBILE SITE ID: CT11308D

REV.	DATE	DESCRIPTION
0	11/19/20	INITIAL RELEASE

500 HIGHLAND AVE / LIGHT TOWER
500 HIGHLAND AVE
CHESHIRE, CT 06410

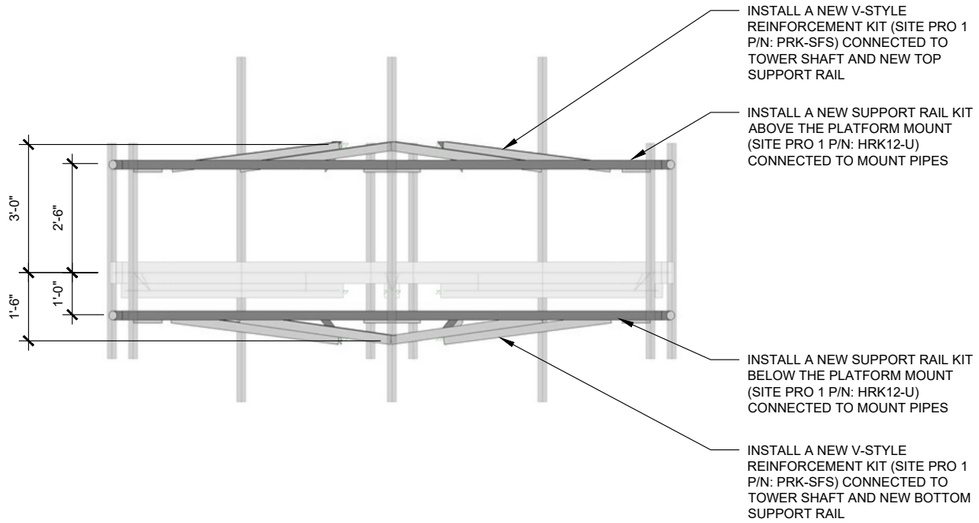
PROJECT NOTES

ISSUED FOR:	
PERMIT	11/19/2020
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
CB	CJS

JOB NO.
2019778.33762.13

N-01



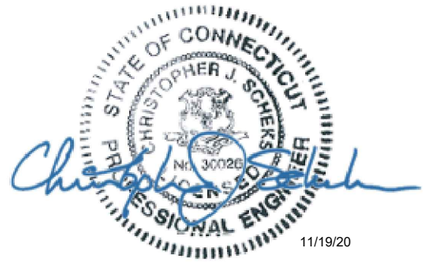
1 S-01 ELEVATION VIEW

NOTE:
1. DETAIL IS TYPICAL FOR ALL THREE SECTORS. ONLY ONE SECTOR SHOWN FOR DETAIL CLARITY.

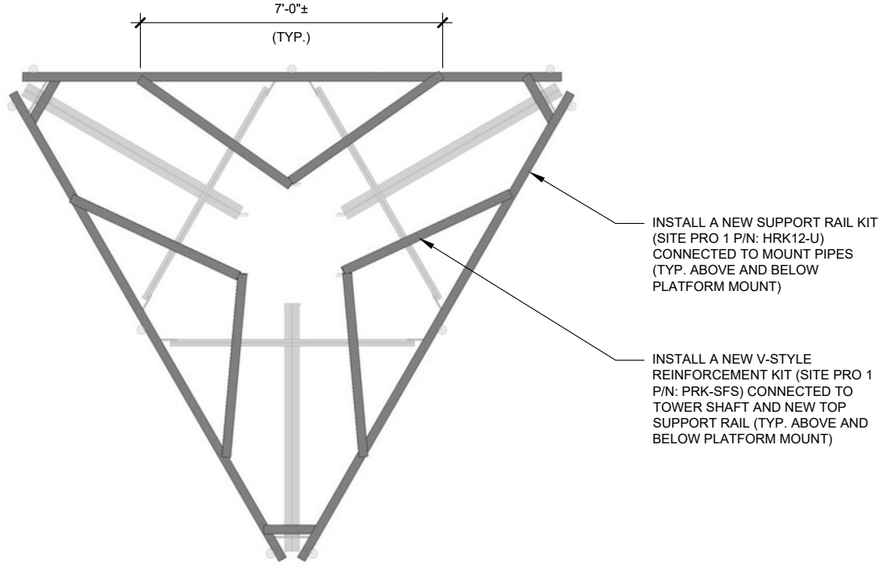
MODIFICATION SCHEDULE

MEMBER TYPE	ELEVATION	EXISTING MEMBER	NEW MEMBER	REFERENCE DETAIL/SHEET	NOTES
SUPPORT RAIL KIT	147'-0"±	12'-6" PLATFORM	(2) SUPPORT RAIL KITS	SHEETS S-01 & S-02	INSTALL (2) NEW SUPPORT RAIL KITS CONNECTED TO MOUNT PIPES.
V-STYLE REINFORCEMENT KIT			(2) V-STYLE REINFORCEMENT KITS	SHEETS S-01 & S-02	INSTALL (2) NEW V-STYLE REINFORCEMENT KITS CONNECTED TO TOWER SHAFT AND NEW SUPPORT RAILS.

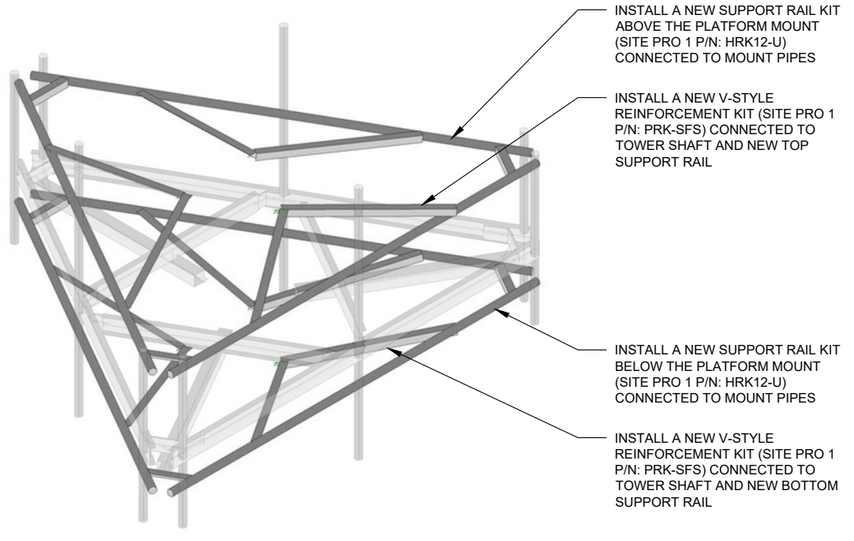
NOTES:
1. ANY SUBSTITUTION OF PARTS SPECIFIED IN THIS DESIGN PACKAGE SHALL REQUIRE ENGINEER APPROVAL PRIOR TO FABRICATION.



11/19/20



2 S-01 PLAN VIEW



3 S-01 ISOMETRIC VIEW

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

SBA

500 HIGHLAND AVE / LIGHT TOWER
SBA SITE ID: CT33762-M

DESIGN DRAWINGS PREPARED FOR:

T-Mobile

T-MOBILE SITE ID: CT11308D

REV.	DATE	DESCRIPTION
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500 HIGHLAND AVE / LIGHT TOWER
500 HIGHLAND AVE
CHESHIRE, CT 06410

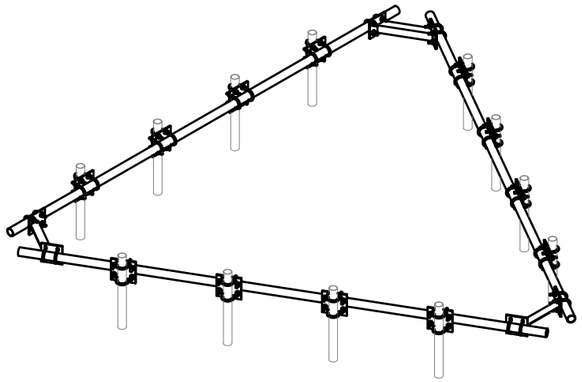
MODIFICATION SCHEDULE & DETAILS

ISSUED FOR:	
PERMIT	11/19/2020
BID	-
CONSTRUCTION	-
RECORD	-

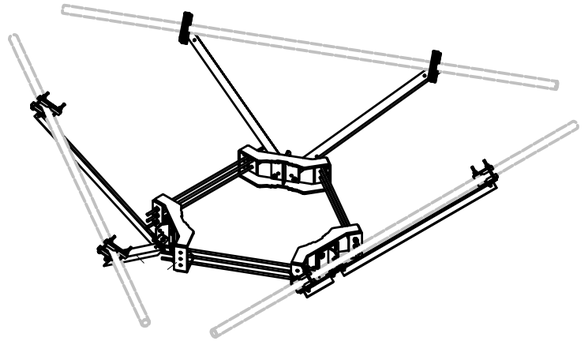
ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
CB	CJS

JOB NO.
2019778.33762.13

S-01



4 S-02 HRK12-U SUPPORT RAIL KIT



5 S-02 PRK-SFS V-STYLE REINFORCEMENT KIT

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

11/19/20

GPD Engineering and Architecture Professional Corporation

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Akron, OH 44311
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SBA

500 HIGHLAND AVE / LIGHT TOWER
SBA SITE ID: CT33762-M

DESIGN DRAWINGS PREPARED FOR:

T-Mobile

T-MOBILE SITE ID: CT11308D

REV	DATE	DESCRIPTION
0	11/19/20	INITIAL RELEASE

500 HIGHLAND AVE / LIGHT TOWER
500 HIGHLAND AVE
CHESHIRE, CT 06410

DETAILS/PARTS

ISSUED FOR:	
PERMIT	11/19/2020
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
CB	CJS

JOB NO.
2019778.33762.13

S-02

EXHIBIT 8

GPD Engineering and Architecture
Professional Corporation

STRUCTURAL ANALYSIS REPORT

160’ Monopole Tower

500 Highland Ave
Cheshire, CT 06410
41.5112 N, 72.8985 W

SBA Site Name: 500 Highland Ave / Light Tower
SBA Site ID: CT33762-M

T-Mobile Site Name: Cheshire Polive/TVI
T-Mobile Site ID: CT11308D
Application ID: 117059, v2

GPD Project Number: 2019778.33762.12

Analysis Results

Tower Components	94.2%	Sufficient
Foundation	71.3%	Sufficient
Net Change in Tower Stress Ratio	+9.2%	As compared to the Previous Structural Analysis detailed on Page 2

T-Mobile Mount Reinforcement

Net Change in Tower Stress Ratio due to Mount Reinforcement	+5.7%	See Page 6 for Additional Details

November 20, 2020

Respectfully submitted by:

11/20/2020
Christopher J. Scheks, P.E.
Connecticut P.E. #: 0030026

Analysis Criteria

The purpose of this analysis is to verify whether the existing monopole tower is structurally capable of carrying the proposed antenna and feedline loads as specified by T-Mobile to SBA Site Management. This report was commissioned by Mr. Benjamin Walsh of SBA Site Management.

The existing structure and its foundations have been analyzed per the following requirements:

Governing Codes	TIA-222-G & 2018 Connecticut Building Code
Wind Speed*	105 MPH Nominal 3-Second Gust
Wind Speed w/ Ice	50 MPH 3-Second Gust
Radial Ice Thickness	3/4”
Risk Category	III
Exposure Category	B
Topographic Category	1

*Wind speed in nominal form is equivalent to a 135 MPH Ultimate 3-Second Gust.

This analysis has been performed in accordance with the 2018 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 135 mph converted to a nominal 3-second gust wind speed of 105 mph per Section 1609.3 and Appendix N as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category B with a maximum topographic factor, Kzt, of 1.0 and Risk Category III were used in this analysis.

Analysis Method

tnxTower (Version 8.0.7.5), a commercially available software program, was used to create a three-dimensional model of the tower and calculate member stresses for various dead, live, wind and ice load cases. Selected output from the analysis is included in the appendices of this report.

Tower Description

The existing 160' monopole tower is located in Cheshire, CT. The tower was originally designed by Sabre Communications Corporation in September of 2003. The original design load for the tower was not provided or available at the time of this analysis. As a result, all structural information and loading has been taken from the following documents:

Documents Provided

Document Type	Remarks	Source
Original Tower Drawings	Sabre Job #: 04-09077, dated: 09/12/2003	SBA
Tower Mapping Report	ETS Project #: 193884, dated: 07/31/2019	SBA
Geotechnical Report	GPD Project #: 2019778.33762.14, dated: 11/15/2019	SBA
Foundation NDT Mapping Report	GPD Project #: 2019778.33762.14, dated: 11/15/2019	SBA
Previous Structural Analysis	GPD Project #: 2019704.34 Rev. 1, dated: 06/30/2020	SBA
Application	SBA Application #: 117059, v2, dated: 10/28/2020	SBA
T-Mobile Mount Modification Drawings	GPD Project #: 2019778.33762.13, dated: 11/19/2020	SBA
T-Mobile Mount Analysis	GPD Project #: 2019778.33762.13, dated: 11/19/2020	SBA

Tower Materials

Structural Components	Material Strength
Tower Shaft	ASTM A572 (65 KSI Yield Strength)
Anchor Rods	ASTM A615 (75 KSI Yield Strength)
Base Plate	ASTM A572 (60 KSI Yield Strength)

Tower Loading

The following data shows the major loading that the tower supports. All existing, leased, and proposed loading information was provided by SBA or taken from the previous structural analysis.

Existing/Leased Loading

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	# of Antennas	Antenna Manufacturer	Antenna/Mount Model	# of Coax	Coax Size (in)	Note
Town of Cheshire	159.0	165.0	1		10' x 2.5" Omni	2 2	7/8 E105	
			1	DBSpectra	DS1F03F36U-D			
		164.0	1		DB224			
			1	DBSpectra	DS4C06F36U-D			
		161.5	2	RFS	SC3-W100A			
		159.0	3		5' T-Arms			
Sprint	158.0	161.0	3	Alcatel Lucent	RRH8x20-25-FEU-8T8R	4 2	1-1/4 5/8	
		159.0	3	RFS	APXVSPP18-C-A20			
		158.0	1		12.5' Platform w/ Handrail Kit			
		157.5	3	RFS	APXVTM14-ALU-I20			
	154.0	154.0	3	Alcatel Lucent	RRH2x50-800	-	-	
			3	Alcatel Lucent	RRH1900-4x45			
			1		Collar Mount			
T-Mobile	147.0	147.0	3	Ericsson	Air 21 B2A/B4P	17 1 12	1-5/8 1-5/8 Fiber 1/2	
			3	Ericsson	Air 21 B4A/B2P			
			3	Commscope	LNX-6515DS-VTM			
			3	Ericsson	KRY 112 144/1			
			3	RFS	ATMAA1413D1A20			
			3	Ericsson	S11S12			
			1		12.5' Platform			
AT&T	132.0	135.0	3	Raycap	DC6-48-60-18-8F	-	-	
		133.0	3	Ericsson	RRUS 11 B12			
		132.0	1		Collar Mount			
	127.0	131.0	6	Ericsson	RRUS 32	12 4	1-1/4 2-1/4	
		129.0	3		EPBQ-654L8H8-L2			
			3	Ericsson	RRUS 11 B2 + A2 Module			
			3		15"x7.5"x13" Box			
		128.0	3		OPA-65R-LCUU-H8			
			6	Powerwave	LGP21903			
		127.0	3	Kathrein	80010121			
			1		12.5' Platform			
Verizon	117.5	122.0	1	Raycap	RRFDC-3315-PF-48	12 2	1-5/8 1-1/4	
		119.0	3	Alcatel Lucent	B25 RRH4x30			
			3	Alcatel Lucent	B13 RRH4x30			
			3	Alcatel Lucent	B4 RRH2x60			
		118.0	3	Andrew	LNX 6514DS-A1M			
			3	Commscope	HBXX-6517DS-A2M			
			6	Commscope	SBNHH-1D65B			
		117.5	1		12.5' Platform			
Town of Cheshire	63.5	66.0	2	DBSpectra	DS4C03CS36U-N	2	1/2	
		63.5	1		Collar Mount			
	18.0	19.5	2	DBSpectra	SP7C03CS36U-N	3	1/2	
			1	DBSpectra	DS4C00F36U-D			
		18.0	1		Collar Mount			
	14.5	17.0	1	DBSpectra	DS4C03CS36U-N	2	1/2	
			1	DBSpectra	DS1X00CS36U-N			
		14.5	1		Collar Mount			

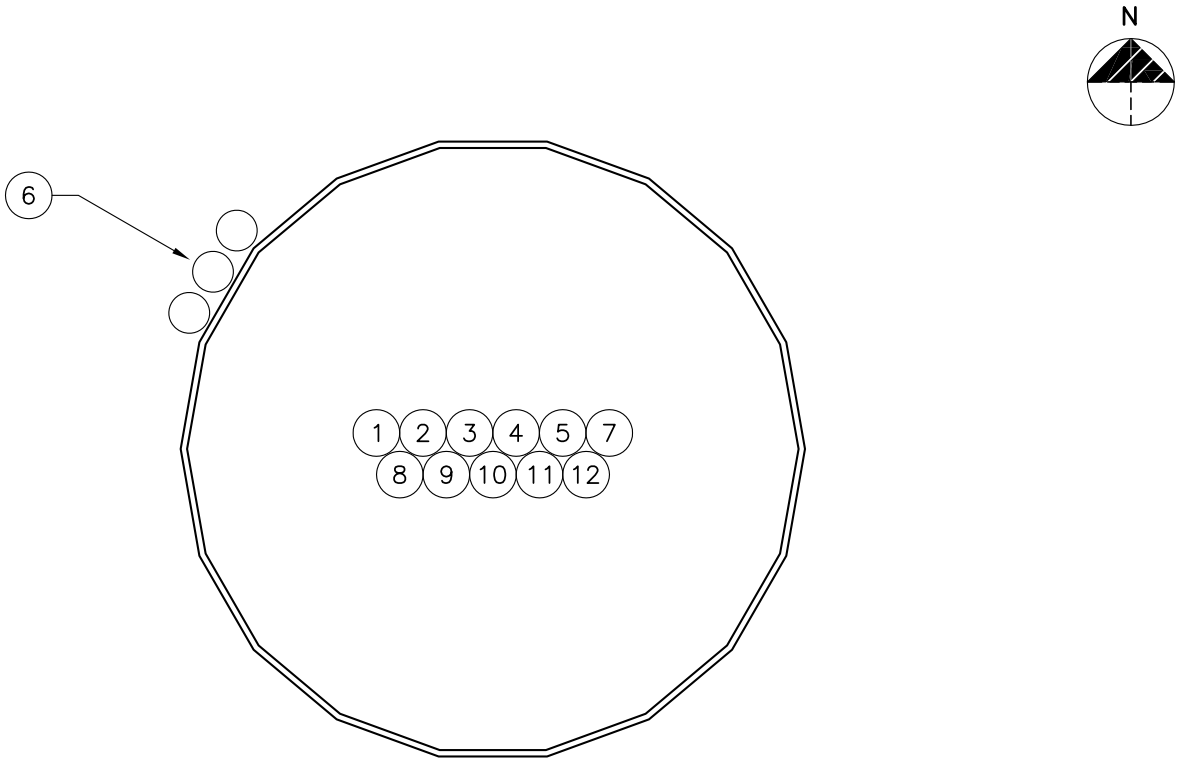
Final Proposed Loading Configuration

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	# of Antennas	Antenna Manufacturer	Antenna/Mount Model	# of Coax	Coax Size (in)	Note
T-Mobile	147.0	147.0	3	Ericsson	AIR32 KRD901146-1_B66A_B2A (Octo)	15 3 12	1-5/8 1-5/8 Fiber 1/2	1
			3	Ericsson	AIR6449 B41			
			3	RFS	APXVAALL24-43-U-NA20			
			3	Ericsson	KRY 112 144/1			
			3	RFS	ATMAA1413D1A20			
			3	Commscope	SDX1926Q-43			
			3	Ericsson	4449 B71 + B85			
			3	Ericsson	4415 B25			
			2	Site Pro 1	PRK-SFS Reinforcement Kit			
			2	Site Pro 1	HRK12-U Support Rail Kit			
			1		12.5' Platform			

Notes:

1. This loading represents T-Mobile's final configuration on the tower. See the next page for the proposed feedline layout.

Proposed Feedline Configuration



#	CARRIER	SIZE	QTY.	ELEVATION	NOTES
1	Town of Cheshire	7/8"	2	159'	
2	Town of Cheshire	E105	2	159'	
3	Sprint	1-1/4"	4	158'	
4	Sprint	5/8"	2	158'	
5	T-Mobile	1-5/8"	15	147'	
6	T-Mobile	1-5/8"	3	147'	Fiber, (2) Proposed
7	T-Mobile	1/2"	12	147'	
8	AT&T	1-1/4"	12	127'	
9	AT&T	2-1/4"	4	127'	
10	Verizon	1-5/8"	12	117.5'	
11	Verizon	1-1/4"	2	117.5'	
12	Town of Cheshire	1/2"	2, 3, 2	14.5', 18', 63.5'	

Tower Section Results

Capacity Summary of Structural Components

Notes	Component	% Capacity	Pass / Fail
	Monopole	94.2	Pass
	Anchor Rods	81.5	Pass
	Base Plate	60.7	Pass
	Tower Base Foundation	71.3	Pass

T-Mobile Mount Reinforcement

Notes	Loading	Tower Capacity	Foundation Capacity
1	Existing Mount	88.5	68.2
	Reinforced Mount	94.2	71.3

Notes:
1. No analysis of the existing/reinforced mounts were performed in this analysis. This table is a summary of the tower and foundation capacity based on the proposed loading and the existing/reinforced mount.

Conclusions & Recommendations

The designs of the tower and its foundations are sufficient to support the proposed loading configuration and will not require modification.

Assumptions

This structural analysis is based on the theoretical capacity of the members and is not a condition assessment of the tower. This analysis is from information supplied, and therefore, its results are based on and are as accurate as that supplied data. GPD has made no independent determination, nor is it required to, of its accuracy. The following assumptions were made for this structural analysis.

1) Tower and structures were built in accordance with the manufacturer's specifications.
2) The tower and structures have been maintained in accordance with the manufacturer's specification.
3) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in the Existing/Reserved Loading and Proposed Loading Tables, and the specified documents.
4) All mounts, if applicable, are considered adequate to support the loading. No actual analysis of the mount(s) is performed. This analysis is limited to analyzing the tower only.
5) Mount sizes, weights, and manufacturers are best estimates based on photos provided and determined without the benefit of a site visit by GPD.
6) All member connections and foundation steel reinforcing are assumed designed to meet or exceed the load carrying capacity of the connected member and surrounding soils respectively unless otherwise specified in this report.
7) The existing feedline layout has been based upon the previous structural analysis and site photos.
8) Leased coax currently not installed shall be installed as illustrated in this report for the analysis results to be valid.
9) Proposed coax shall be installed as illustrated in this report for the analysis results to be valid.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and GPD should be allowed to review any new information to determine its effect on the structural integrity of the tower.

Disclaimer of Warranties

GPD has not performed a site visit to the tower to verify the member sizes or antenna/coax loading. If the existing conditions are not as represented on the tower elevation contained in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the tower or foundation. This report does not replace a full tower inspection. The tower and foundations are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by GPD in connection with this Structural Analysis are limited to a computer analysis of the tower structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

This analysis is limited to the designated maximum wind and seismic conditions per the governing tower standards and code. Wind forces resulting in tower vibrations near the structure's resonant frequencies were not considered in this analysis and are outside the scope of this analysis. Lateral loading from any dynamic response was not evaluated under a time-domain based fatigue analysis.

GPD does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing tower. GPD provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the capability of adding appurtenances usually accompanied by transmission lines to the structure.

It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed tower. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from GPD, but are beyond the scope of this report.

Miscellaneous items such as antenna mounts, etc., have not been designed or detailed as a part of our work. We recommend that material of adequate size and strength be purchased from a reputable tower manufacturer.

Towers are designed to carry gravity, wind, and ice loads. All members, legs, diagonals, struts, and redundant members provide structural stability to the tower with little redundancy. Absence or removal of a member can trigger catastrophic failure unless a substitute is provided before any removal. Legs carry axial loads and derive their strength from shorter unbraced lengths by the presence of redundant members and their connection to the diagonals with bolts or welds. If the bolts or welds are removed without providing any substitute to the frame, the leg is subjected to a higher unbraced length that immediately reduces its load carrying capacity. If a diagonal is also removed in addition to the connection, the unbraced length of the leg is greatly increased, jeopardizing its load carrying capacity. Failure of one leg can result in a tower collapse because there is no redundancy. Redundant members and diagonals are critical to the stability of the tower.

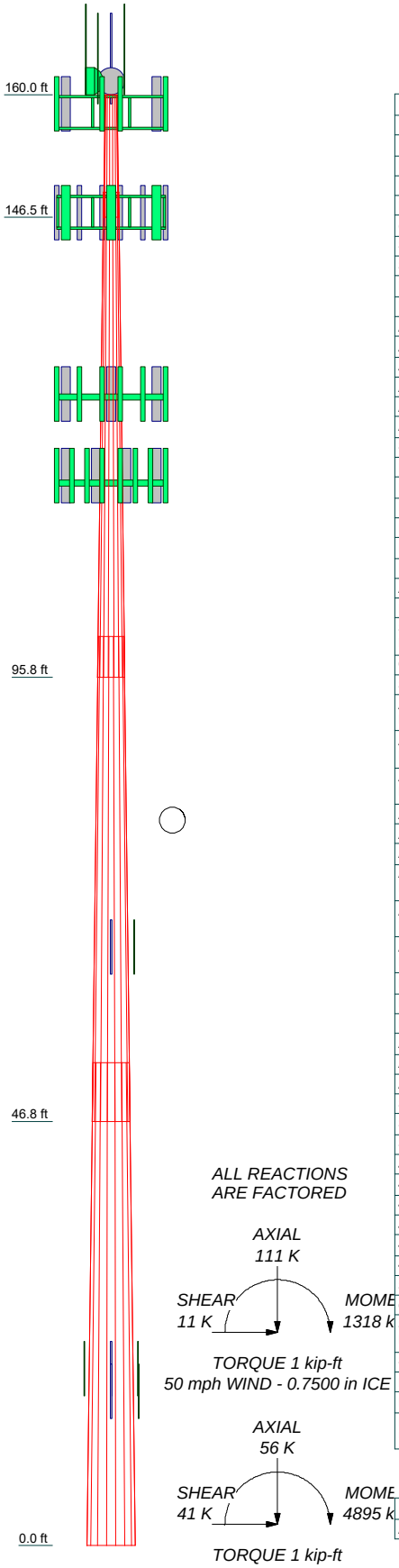
GPD makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this tower. GPD will not be responsible whatsoever for, or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of GPD pursuant to this report will be limited to the total fee received for preparation for this report.

SBA Site ID: CT33762-M
November 20, 2020

TNX TOWER OUTPUT

GPD

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	13.50	18	0.1875	2.75	16.7500	20.9100		0.5
2	53.50	18	0.2500	4.50	19.6876	36.1600		4.0
3	53.50	18	0.3125	6.50	34.2745	50.7600		7.6
4	53.25	18	0.3750		48.1321	64.5300		12.1
							A572-65	



ALL REACTIONS ARE FACTORED

AXIAL 111 K
SHEAR 11 K
MOME 1318 k

TORQUE 1 kip-ft
50 mph WIND - 0.7500 in ICE

AXIAL 56 K
SHEAR 41 K
MOME 4895 k

TORQUE 1 kip-ft
REACTIONS - 105 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION
12.5' Handrail Kit	160.5
10' Omni (2.5" Diam)	159
DS1F03F36U-D	159
DB224	159
DS4C06F36U-D	159
(3) Andrew 5' T-Arms	159
SC3-W100A	159
SC3-W100A	159
RRH8x20-25-FEU-8T8R	158
RRH8x20-25-FEU-8T8R	158
APXVSPP18-C-A20 w/ Mount Pipe	158
APXVSPP18-C-A20 w/ Mount Pipe	158
APXVSPP18-C-A20 w/ Mount Pipe	158
APXVTM14-ALU-I20 w/ Mount Pipe	158
APXVTM14-ALU-I20 w/ Mount Pipe	158
APXVTM14-ALU-I20 w/ Mount Pipe	158
Sabre 12' LP Platform	158
RRH8x20-25-FEU-8T8R	158
RRH2X50-800	154
RRH2X50-800	154
RRH1900-4x45	154
RRH1900-4x45	154
RRH1900-4x45	154
Andrew Collar Mount	154
RRH2X50-800	154
Site Pro 1 PRK-SFS Reinforcement Kit	149.5
Collar Mount	149.5
Site Pro 1 HRK12-U Support Rail Kit	149.5
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147
AIR6449 B41 w/ Mount Pipe	147
AIR6449 B41 w/ Mount Pipe	147
AIR6449 B41 w/ Mount Pipe	147
APXVAALL24_43-U-NA20 w/ Mount Pipe	147
APXVAALL24_43-U-NA20 w/ Mount Pipe	147
APXVAALL24_43-U-NA20 w/ Mount Pipe	147
KRY 112 144/1	147
KRY 112 144/1	147
KRY 112 144/1	147
ATMAA1413D-1A20	147
ATMAA1413D-1A20	147
ATMAA1413D-1A20	147
SDX1926Q-43	147
SDX1926Q-43	147
SDX1926Q-43	147
4449 B71+B85	147
4449 B71+B85	147
4449 B71+B85	147
4415 B25	147
4415 B25	147
4415 B25	147
Sabre 12' LP Platform	147
Collar Mount	146
Site Pro 1 PRK-SFS Reinforcement Kit	146
Site Pro 1 HRK12-U Support Rail Kit	146
B2B RRU Mount	132
B2B RRU Mount	132
DC6-48-60-18-8F Surge Suppression Unit	132

TYPE	ELEVATION
DC6-48-60-18-8F Surge Suppression Unit	132
DC6-48-60-18-8F Surge Suppression Unit	132
RRUS 11 B12	132
RRUS 11 B12	132
RRUS 11 B12	132
Andrew Collar Mount	132
B2B RRU Mount	132
(2) RRUS-32	127
(2) RRUS-32	127
EPBQ-654L8H8-L2	127
EPBQ-654L8H8-L2	127
EPBQ-654L8H8-L2	127
RRUS 11 B2	127
RRUS 11 B2	127
RRUS 11 B2	127
RRUS A2 MODULE	127
RRUS A2 MODULE	127
RRUS A2 MODULE	127
15"x7.5"x13" Box	127
15"x7.5"x13" Box	127
15"x7.5"x13" Box	127
OPA-65R-LCUU-H8	127
OPA-65R-LCUU-H8	127
OPA-65R-LCUU-H8	127
(2) LGP21903	127
(2) LGP21903	127
(2) LGP21903	127
800 10121	127
800 10121	127
800 10121	127
Commscope MTC3607 Platform w/ Reinforcing Kit	127
(2) RRUS-32	127
B25 RRH4X30	117.5
B25 RRH4X30	117.5
B25 RRH4X30	117.5
B13 RRH 4X30	117.5
B13 RRH 4X30	117.5
B13 RRH 4X30	117.5
B4 RRH2X60	117.5
B4 RRH2X60	117.5
B4 RRH2X60	117.5
LNX-6514DS-A1M w/ Mount Pipe	117.5
LNX-6514DS-A1M w/ Mount Pipe	117.5
LNX-6514DS-A1M w/ Mount Pipe	117.5
HBXX-6517DS-A2M w/ Mount Pipe	117.5
HBXX-6517DS-A2M w/ Mount Pipe	117.5
HBXX-6517DS-A2M w/ Mount Pipe	117.5
(2) SBNHH-1D65B w/ Mount Pipe	117.5
(2) SBNHH-1D65B w/ Mount Pipe	117.5
(2) SBNHH-1D65B w/ Mount Pipe	117.5
MTS 12.5' Co-Locational Platform	117.5
RRFDC-3315-PF-48	117.5
DS4C03CS36U-N	63.5
Andrew Collar Mount	63.5
DS4C03CS36U-N	63.5
SP7C03CS36U-N	18
DS4C00F36U-D	18
Andrew Collar Mount	18
SP7C03CS36U-N	18
DS1X00CS36U-N	14.5
Andrew Collar Mount	14.5
DS4C03CS36U-N	14.5

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-G Standard.
3. Tower designed for a 105 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5.

520 South Main Street Suite 2531
Akron, Ohio 44311
Phone: (330) 572-2100
FAX: (330) 572-2101

Job: CT33762-M 500 Highland Ave / Light Tower
Project: 2019778.33762.12
Client: SBA Site Management | Drawn by: ahoffmeister | App'd:
Code: TIA-222-G | Date: 11/20/20 | Scale: NTS
Path: | Dwg No. E-1

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
Basic wind speed of 105 mph.
Structure Class III.
Exposure Category B.
Topographic Category 1.
Crest Height 0.00 ft.
Nominal ice thickness of 0.7500 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.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
Step Pegs	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.000 0.000	0.8000		2.72
1-5/8" Fiber Cable	A	No	Surface Ar (CaAa)	147.00 - 6.00	3	3	-0.500 -0.250	1.9800		0.82

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
Safety Line (3/8")	A	No	No	CaAa (Out Of Face)	160.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.04 0.14 0.24	0.22 0.75 1.28
***									
LDF5-50A (7/8 FOAM)	A	No	No	Inside Pole	159.00 - 4.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.33 0.33 0.33
E105	A	No	No	Inside Pole	159.00 - 2.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.40 0.40 0.40
***									
LDF6-50A (1-1/4 FOAM)	A	No	No	Inside Pole	158.00 - 2.00	4	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.66 0.66 0.66
LDF4.5-50 (5/8 FOAM)	A	No	No	Inside Pole	158.00 - 2.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15
***									
LDF7-50A (1-5/8 FOAM)	A	No	No	Inside Pole	147.00 - 6.00	15	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82
LDF4P-50A (1/2 FOAM)	A	No	No	Inside Pole	147.00 - 6.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15
***									
LDF6-50A (1-1/4 FOAM)	A	No	No	Inside Pole	127.00 - 4.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.66 0.66 0.66
2-1/4" Conduit	A	No	No	Inside Pole	127.00 - 4.00	4	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.32 0.32 0.32
***									
LDF7-50A (1-5/8 FOAM)	A	No	No	Inside Pole	117.50 - 2.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82
LDF6-50A (1-1/4 FOAM)	A	No	No	Inside Pole	117.50 - 2.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.66 0.66 0.66
***									
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	63.50 - 4.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	18.00 - 4.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.15 0.15 0.15

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	14.50 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) Andrew 5' T-Arms	A	None		0.0000	159.00	No Ice	5.31	5.31	0.62
						1/2" Ice	7.30	7.30	0.81
						1" Ice	9.29	9.29	0.99
10' Omni (2.5" Diam)	C	From Leg	2.50 0.00 6.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	2.50 3.53 4.58	2.50 3.53 4.58	0.03 0.04 0.07
DS1F03F36U-D	B	From Leg	1.00 0.00 6.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.78 5.07 6.38	3.78 5.07 6.38	0.04 0.06 0.10
DB224	A	From Leg	2.50 0.00 5.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.15 5.67 8.19	3.15 5.67 8.19	0.03 0.04 0.05
DS4C06F36U-D	C	From Leg	1.00 0.00 5.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.09 4.15 5.23	3.09 4.15 5.23	0.03 0.05 0.08
*****									
Sabre 12' LP Platform	A	None		0.0000	158.00	No Ice 1/2" Ice 1" Ice	28.50 31.69 34.87	28.50 31.69 34.87	1.12 1.68 2.28
12.5' Handrail Kit	A	None		0.0000	160.50	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.34 0.44 0.54
RRH8x20-25-FEU-8T8R	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
RRH8x20-25-FEU-8T8R	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
RRH8x20-25-FEU-8T8R	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 -0.50	22.0000	158.00	No Ice 1/2" Ice 1" Ice	6.58 7.03 7.47	4.96 5.75 6.47	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00	22.0000	158.00	No Ice 1/2" Ice	6.58 7.03	4.96 5.75	0.08 0.13

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			-0.50			1" Ice	7.47	6.47	0.19
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 -0.50	22.0000	158.00	No Ice 1/2" Ice 1" Ice	6.58 7.03 7.47	4.96 5.75 6.47	0.08 0.13 0.19
*****									
Andrew Collar Mount	A	None		0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
RRH2X50-800	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH2X50-800	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH2X50-800	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH1900-4x45	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.29 2.50 2.71	2.29 2.50 2.71	0.06 0.08 0.11
RRH1900-4x45	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.29 2.50 2.71	2.29 2.50 2.71	0.06 0.08 0.11
RRH1900-4x45	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.29 2.50 2.71	2.29 2.50 2.71	0.06 0.08 0.11
*****									
Sabre 12' LP Platform	A	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice	28.47 33.59 38.71	28.47 33.59 38.71	1.12 1.51 1.91
Site Pro 1 HRK12-U Support Rail Kit	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.30 0.39 0.48
Site Pro 1 PRK-SFS Reinforcement Kit	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	6.20 7.19 8.18	6.20 7.19 8.18	0.20 0.25 0.31
Collar Mount	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
Site Pro 1 HRK12-U Support Rail Kit	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.30 0.39 0.48
Site Pro 1 PRK-SFS Reinforcement Kit	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	6.20 7.19 8.18	6.20 7.19 8.18	0.20 0.25 0.31
Collar Mount	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR6449 B41 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
AIR6449 B41 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
AIR6449 B41 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
KRY 112 144/1	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
ATMAA1413D-1A20	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
ATMAA1413D-1A20	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
ATMAA1413D-1A20	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
SDX1926Q-43	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
4449 B71+B85	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4449 B71+B85	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4449 B71+B85	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4415 B25	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
4415 B25	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07
4415 B25	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07
*****									
Andrew Collar Mount	A	None		0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
B2B RRU Mount	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.20 1.80 2.17	1.20 1.80 2.17	0.02 0.03 0.04
B2B RRU Mount	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.20 1.80 2.17	1.20 1.80 2.17	0.02 0.03 0.04
B2B RRU Mount	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.20 1.80 2.17	1.20 1.80 2.17	0.02 0.03 0.04
DC6-48-60-18-8F Surge Suppression Unit	A	From Centroid-Leg	2.00 0.00 3.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC6-48-60-18-8F Surge Suppression Unit	B	From Centroid-Leg	2.00 0.00 3.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC6-48-60-18-8F Surge Suppression Unit	C	From Centroid-Leg	2.00 0.00 3.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
RRUS 11 B12	A	From Centroid-Leg	2.00 0.00 1.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 11 B12	B	From Centroid-Leg	2.00 0.00 1.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 11 B12	C	From Centroid-Leg	2.00 0.00 1.00	0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
*****									
Commscope MTC3607 Platform w/ Reinforcing Kit	A	None		0.0000	127.00	No Ice 1/2" Ice 1" Ice	51.70 62.70 73.70	51.70 62.70 73.70	2.26 2.94 3.61
(2) RRUS-32	A	From Centroid-Leg	4.00 0.00 4.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
(2) RRUS-32	B	From Centroid-Leg	4.00 0.00 4.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
(2) RRUS-32	C	From Centroid-Leg	4.00 0.00 4.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
EPBQ-654L8H8-L2	A	From Centroid-Leg	4.00 0.00 2.00	55.0000	127.00	No Ice 1/2" Ice 1" Ice	18.09 18.72 19.36	7.03 7.62 8.21	0.10 0.19 0.29
EPBQ-654L8H8-L2	B	From Centroid-Leg	4.00 0.00 2.00	55.0000	127.00	No Ice 1/2" Ice 1" Ice	18.09 18.72 19.36	7.03 7.62 8.21	0.10 0.19 0.29
EPBQ-654L8H8-L2	C	From	4.00	55.0000	127.00	No Ice	18.09	7.03	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00				1/2" Ice	18.72	7.62	0.19
			2.00				1" Ice	19.36	8.21	0.29
RRUS 11 B2	A	From	2.00		0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Leg	0.00				1/2" Ice	3.04	1.33	0.07
			2.00				1" Ice	3.26	1.48	0.10
RRUS 11 B2	B	From	2.00		0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Leg	0.00				1/2" Ice	3.04	1.33	0.07
			2.00				1" Ice	3.26	1.48	0.10
RRUS 11 B2	C	From	2.00		0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Leg	0.00				1/2" Ice	3.04	1.33	0.07
			2.00				1" Ice	3.26	1.48	0.10
RRUS A2 MODULE	A	From	4.00		0.0000	127.00	No Ice	1.60	0.38	0.02
		Centroid-Leg	0.00				1/2" Ice	1.76	0.47	0.03
			2.00				1" Ice	1.92	0.57	0.04
RRUS A2 MODULE	B	From	4.00		0.0000	127.00	No Ice	1.60	0.38	0.02
		Centroid-Leg	0.00				1/2" Ice	1.76	0.47	0.03
			2.00				1" Ice	1.92	0.57	0.04
RRUS A2 MODULE	C	From	4.00		0.0000	127.00	No Ice	1.60	0.38	0.02
		Centroid-Leg	0.00				1/2" Ice	1.76	0.47	0.03
			2.00				1" Ice	1.92	0.57	0.04
15"x7.5"x13" Box	A	From	4.00		0.0000	127.00	No Ice	1.30	0.87	0.10
		Centroid-Leg	0.00				1/2" Ice	1.44	0.99	0.11
			2.00				1" Ice	1.59	1.11	0.13
15"x7.5"x13" Box	B	From	4.00		0.0000	127.00	No Ice	1.30	0.87	0.10
		Centroid-Leg	0.00				1/2" Ice	1.44	0.99	0.11
			2.00				1" Ice	1.59	1.11	0.13
15"x7.5"x13" Box	C	From	4.00		0.0000	127.00	No Ice	1.30	0.87	0.10
		Centroid-Leg	0.00				1/2" Ice	1.44	0.99	0.11
			2.00				1" Ice	1.59	1.11	0.13
OPA-65R-LCUU-H8	A	From	4.00		55.0000	127.00	No Ice	12.75	7.25	0.09
		Centroid-Leg	0.00				1/2" Ice	13.33	7.82	0.16
			1.00				1" Ice	13.92	8.40	0.24
OPA-65R-LCUU-H8	B	From	4.00		55.0000	127.00	No Ice	12.75	7.25	0.09
		Centroid-Leg	0.00				1/2" Ice	13.33	7.82	0.16
			1.00				1" Ice	13.92	8.40	0.24
OPA-65R-LCUU-H8	C	From	4.00		55.0000	127.00	No Ice	12.75	7.25	0.09
		Centroid-Leg	0.00				1/2" Ice	13.33	7.82	0.16
			1.00				1" Ice	13.92	8.40	0.24
(2) LGP21903	A	From	4.00		0.0000	127.00	No Ice	1.10	0.21	0.01
		Centroid-Leg	0.00				1/2" Ice	1.24	0.27	0.02
			1.00				1" Ice	1.38	0.35	0.03
(2) LGP21903	B	From	4.00		0.0000	127.00	No Ice	1.10	0.21	0.01
		Centroid-Leg	0.00				1/2" Ice	1.24	0.27	0.02
			1.00				1" Ice	1.38	0.35	0.03
(2) LGP21903	C	From	4.00		0.0000	127.00	No Ice	1.10	0.21	0.01
		Centroid-Leg	0.00				1/2" Ice	1.24	0.27	0.02
			1.00				1" Ice	1.38	0.35	0.03
800 10121	A	From	4.00		55.0000	127.00	No Ice	5.16	3.29	0.05
		Centroid-Leg	0.00				1/2" Ice	5.51	3.64	0.08
			0.00				1" Ice	5.87	3.99	0.12
800 10121	B	From	4.00		55.0000	127.00	No Ice	5.16	3.29	0.05
		Centroid-Leg	0.00				1/2" Ice	5.51	3.64	0.08
			0.00				1" Ice	5.87	3.99	0.12
800 10121	C	From	4.00		55.0000	127.00	No Ice	5.16	3.29	0.05
		Centroid-Leg	0.00				1/2" Ice	5.51	3.64	0.08
			0.00				1" Ice	5.87	3.99	0.12

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
MTS 12.5' Co-Locational Platform	A	None		0.0000	117.50	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
RRFDC-3315-PF-48	C	From Centroid-Leg	4.00 0.00 4.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	3.71 3.95 4.20	2.19 2.39 2.61	0.02 0.05 0.09
B25 RRH4X30	A	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.20 2.39 2.59	1.74 1.92 2.11	0.06 0.08 0.10
B25 RRH4X30	B	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.20 2.39 2.59	1.74 1.92 2.11	0.06 0.08 0.10
B25 RRH4X30	C	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.20 2.39 2.59	1.74 1.92 2.11	0.06 0.08 0.10
B13 RRH 4X30	A	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.32 1.48 1.64	0.06 0.07 0.09
B13 RRH 4X30	B	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.32 1.48 1.64	0.06 0.07 0.09
B13 RRH 4X30	C	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	2.06 2.24 2.43	1.32 1.48 1.64	0.06 0.07 0.09
B4 RRH2X60	A	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	3.36 3.61 3.88	2.00 2.24 2.48	0.06 0.08 0.10
B4 RRH2X60	B	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	3.36 3.61 3.88	2.00 2.24 2.48	0.06 0.08 0.10
B4 RRH2X60	C	From Centroid-Leg	4.00 0.00 1.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	3.36 3.61 3.88	2.00 2.24 2.48	0.06 0.08 0.10
LNX-6514DS-A1M w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.41 8.97 9.50	7.08 8.27 9.18	0.06 0.13 0.21
LNX-6514DS-A1M w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.41 8.97 9.50	7.08 8.27 9.18	0.06 0.13 0.21
LNX-6514DS-A1M w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.41 8.97 9.50	7.08 8.27 9.18	0.06 0.13 0.21
HBXX-6517DS-A2M w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.95 9.60 10.23	7.14 8.44 9.58	0.07 0.14 0.22
HBXX-6517DS-A2M w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.95 9.60 10.23	7.14 8.44 9.58	0.07 0.14 0.22
HBXX-6517DS-A2M w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.95 9.60 10.23	7.14 8.44 9.58	0.07 0.14 0.22
(2) SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.16 8.62 9.09	6.16 6.82 7.51	0.06 0.12 0.19
(2) SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.16 8.62 9.09	6.16 6.82 7.51	0.06 0.12 0.19

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.50	22.0000	117.50	No Ice 1/2" Ice 1" Ice	8.16 8.62 9.09	6.16 6.82 7.51	0.06 0.12 0.19
*****									
Andrew Collar Mount	A	None		0.0000	63.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
DS4C03CS36U-N	A	From Leg	1.00 0.00 2.50	0.0000	63.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
DS4C03CS36U-N	B	From Leg	1.00 0.00 2.50	0.0000	63.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
*****									
Andrew Collar Mount	A	None		0.0000	18.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
SP7C03CS36U-N	A	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.52 0.71 0.90	0.52 0.71 0.90	0.01 0.01 0.02
SP7C03CS36U-N	B	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.52 0.71 0.90	0.52 0.71 0.90	0.01 0.01 0.02
DS4C00F36U-D	C	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.47 0.65 0.83	0.47 0.65 0.83	0.01 0.01 0.02
*****									
Andrew Collar Mount	A	None		0.0000	14.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
DS4C03CS36U-N	A	From Leg	1.00 0.00 2.50	0.0000	14.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
DS1X00CS36U-N	B	From Leg	1.00 0.00 2.50	0.0000	14.50	No Ice 1/2" Ice 1" Ice	1.38 1.74 2.08	1.38 1.74 2.08	0.02 0.03 0.04

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
SC3-W100A	A	Paraboloid w/Shroud (HP)	From Centroid -Leg	1.00 0.00 2.50	44.5000		159.00	3.00	No Ice 1/2" Ice 1" Ice	7.07 7.47 7.86	0.40 0.44 0.48
SC3-W100A	C	Paraboloid w/Shroud (HP)	From Centroid -Leg	1.00 0.00 2.50	-15.6500		159.00	3.00	No Ice 1/2" Ice 1" Ice	7.07 7.47 7.86	0.40 0.44 0.48

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice
14	1.2 Dead+1.6 Wind 180 deg - No Ice
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice
25	0.9 Dead+1.6 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 146.5	24.393	47	1.5170	0.0035
L2	149.25 - 95.75	21.010	47	1.4775	0.0022
L3	100.25 - 46.75	8.386	47	0.8986	0.0006
L4	53.25 - 0	2.100	47	0.3757	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.50	SC3-W100A	47	24.393	1.5170	0.0035	15493
160.50	12.5' Handrail Kit	47	24.393	1.5170	0.0035	15493
159.00	(3) Andrew 5' T-Arms	47	24.075	1.5141	0.0034	15493
158.00	Sabre 12' LP Platform	47	23.758	1.5112	0.0033	15493
154.00	Andrew Collar Mount	47	22.493	1.4983	0.0027	12911
149.50	Site Pro 1 HRK12-U Support Rail Kit	47	21.087	1.4788	0.0022	7821
147.00	Sabre 12' LP Platform	47	20.320	1.4644	0.0020	7038
146.00	Site Pro 1 HRK12-U Support Rail Kit	47	20.016	1.4579	0.0019	6881
132.00	Andrew Collar Mount	47	15.954	1.3281	0.0010	5694
127.00	Commscope MTC3607 Platform w/ Reinforcing Kit	47	14.600	1.2680	0.0008	5368
117.50	MTS 12.5' Co-Locational Platform	47	12.185	1.1414	0.0006	4840
63.50	Andrew Collar Mount	47	3.008	0.4704	0.0002	5198
18.00	Andrew Collar Mount	47	0.407	0.1136	0.0000	16609
14.50	Andrew Collar Mount	47	0.317	0.0910	0.0000	20619

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 146.5	134.007	18	8.3516	0.0172
L2	149.25 - 95.75	115.481	18	8.1416	0.0106
L3	100.25 - 46.75	46.177	18	4.9549	0.0028
L4	53.25 - 0	11.565	18	2.0705	0.0008

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.50	SC3-W100A	18	134.007	8.3516	0.0190	2976
160.50	12.5' Handrail Kit	18	134.007	8.3516	0.0190	2976
159.00	(3) Andrew 5' T-Arms	18	132.267	8.3366	0.0184	2976
158.00	Sabre 12' LP Platform	18	130.529	8.3214	0.0179	2976
154.00	Andrew Collar Mount	18	123.601	8.2532	0.0156	2479
149.50	Site Pro 1 HRK12-U Support Rail Kit	18	115.904	8.1487	0.0133	1500
147.00	Sabre 12' LP Platform	18	111.699	8.0708	0.0121	1347
146.00	Site Pro 1 HRK12-U Support Rail Kit	18	110.033	8.0354	0.0116	1315
132.00	Andrew Collar Mount	18	87.761	7.3241	0.0068	1075

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
127.00	Commscope MTC3607 Platform w/ Reinforcing Kit	18	80.329	6.9932	0.0057	1009
117.50	MTS 12.5' Co-Locational Platform	18	67.061	6.2952	0.0041	904
63.50	Andrew Collar Mount	18	16.570	2.5923	0.0014	947
18.00	Andrew Collar Mount	18	2.242	0.6257	0.0001	3014
14.50	Andrew Collar Mount	18	1.745	0.5014	0.0001	3741

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	13.50	0.00	0.0	11.8282	-5.32	865.69	0.006
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	53.50	0.00	0.0	27.3952	-22.87	1841.20	0.012
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	53.50	0.00	0.0	48.0510	-35.36	3077.94	0.011
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	53.25	0.00	0.0	76.3605	-55.61	4662.89	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	73.02	353.25	0.207	0.00	353.25	0.000
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	1214.50	1307.93	0.929	0.00	1307.93	0.000
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	2829.82	3070.47	0.922	0.00	3070.47	0.000
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	4894.53	6163.78	0.794	0.00	6163.78	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	8.47	432.84	0.020	0.56	708.37	0.001
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	32.40	920.60	0.035	0.64	2621.93	0.000
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	36.44	1538.97	0.024	0.75	6154.45	0.000
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	41.15	2331.45	0.018	0.85	12353.58	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 146.5 (1)	0.006	0.207	0.000	0.020	0.001	0.213	1.000	4.8.2
L2	146.5 - 95.75 (2)	0.012	0.929	0.000	0.035	0.000	0.942	1.000	4.8.2
L3	95.75 - 46.75 (3)	0.011	0.922	0.000	0.024	0.000	0.934	1.000	4.8.2
L4	46.75 - 0 (4)	0.012	0.794	0.000	0.018	0.000	0.806	1.000	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 146.5	Pole	TP20.91x16.75x0.1875	1	-5.32	865.69	21.3	Pass
L2	146.5 - 95.75	Pole	TP36.16x19.6876x0.25	2	-22.87	1841.20	94.2	Pass
L3	95.75 - 46.75	Pole	TP50.76x34.2745x0.3125	3	-35.36	3077.94	93.4	Pass
L4	46.75 - 0	Pole	TP64.53x48.1321x0.375	4	-55.61	4662.89	80.6	Pass
							Summary	
						Pole (L2)	94.2	Pass
						RATING =	**94.2**	**Pass**

ADDITIONAL CALCULATIONS

Anchor Rod and Base Plate Stresses, TIA-222-G-1
CT33762-M 500 Highland Ave / Light Tower
2019778.33762.12

Overturning Moment =	4895.00	k*ft
Axial Force =	56.00	k
Shear Force =	41.00	k

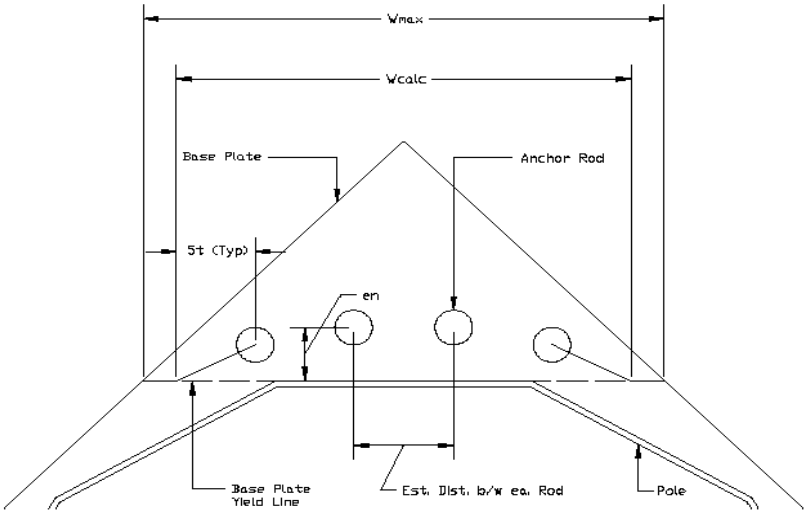
Acceptable Stress Ratio =	105.0%

Anchor Rods		
Pole Diameter =	64.53	in
Number of Rods =	16	
ϕ =	0.8	
Rod Ultimate Strength (F_u) =	100	ksi
Base Plate Detail Type* =	d	
Rod Circle =	72	in
Rod Diameter =	2.25	in
Net Tensile Area =	3.25	in^2
Max Tension on Rod =	199.65	kips
Max Compression on Rod =	206.65	kips
P_u =	206.65	kips
V_u =	2.56	kips
η =	0.50	
$P_u + V_u / \eta$ =	211.77	kips
ϕR_{nt} =	260.00	kips
Anchor Rod Capacity =	**81.5%**	**OK**

(Section 4.9.9, TIA-222-G-1)

Base Plate		
Plate Strength (Fy) =	60	ksi
ϕ =	0.9	
Plate Thickness =	3	in
Plate Width =	70	in
Est. Dist. b/w ea. Rod =	6	in
w_{calc} =	47.83	in
w_{max} =	34.46	in
w =	34.46	in
Z =	77.55	in^3
M_u =	2542.49	k-in
ϕM_n =	4187.49	k-in
Base Plate Capacity =	**60.7%**	**OK**

***This analysis assumes the clear distance from the top of the concrete to the bottom of the leveling nut is less than the diameter of the anchor rod. Notify GPD Group immediately if existing field conditions do not meet this assumption.**



Mat Foundation Analysis
CT33762-M 500 Highland Ave / Light Tower
2019778.33762.12

General Info	
Foundation Criteria	GPD
TIA Code	TIA-222-G
Soil Code	AASHTO 2012
Concrete Code	ACI 318-11
Seismic Design Category	B
Tower Height	160 ft
Bearing On	Soil
Foundation Type	Monopole Pad
Pier Type	Round
Reinforcing Known	Yes
Max Bearing Capacity	105%
Max Overturning Capacity	105%

Tower Reactions	
Moment, M	4895 k-ft
Axial, P	56 k
Shear, V	41 k

Pad & Pier Geometry	
Pier Diameter, ø	8 ft
Pad Length, L [y]	27 ft
Pad Width, W [x]	27 ft
Pad Thickness, t	5 ft
Depth, D	5 ft
Height Above Grade, HG	5 ft
Tower Centroid, X	13.5 ft
Tower Centroid, Y	13.5 ft
Tower Eccentricity	0.0000 ft

Pad & Pier Reinforcing	
Rebar Fy	60 ksi
Concrete F'c	4 ksi
Pier Reinforcing Clear Cover	4 in
Shear Rebar Type	Tie
Shear Rebar Size	# 4
Pad Reinforcing Clear Cover	3 in
Reinforced Top & Bottom?	Yes
Top and Bot. Reinf. Different?	No
Pad Reinforcing Size	# 8
Pad Quantity Per Layer	42
Pier Rebar Size	# 9
Pier Quantity of Rebar	38

Soil Properties	
Soil Type	Cohesive
Soil Unit Weight	120 pcf
Cohesion, Cu (ksf)	1.5
Base Friction Coeff. Provided in Geo?	Yes
Base Friction Coefficient, µ	0.35
Bearing Type	Net
Ultimate Bearing	9 ksf
Water Table Depth	99 ft
Neglected Depth	3.5 ft

GPD Mat Foundation Analysis - V4.3

Bearing Summary

Case	*Demand/Limits*	*Capacity/Availability*	*Check*	*Eccentricity*	*Load Case*
Qxmax	2.50 ksf	7.20 ksf	OK, <= 105%	L/2.9	0.9D+1.6W
Qymax	2.50 ksf	7.20 ksf	OK, <= 105%	W/2.9	0.9D+1.6W
Qmax @ 45°	2.95 ksf	7.20 ksf	OK, <= 105%	W/4.1	0.9D+1.6W
Controlling Capacity		**41.0%**	**Pass**		

Overturning Summary

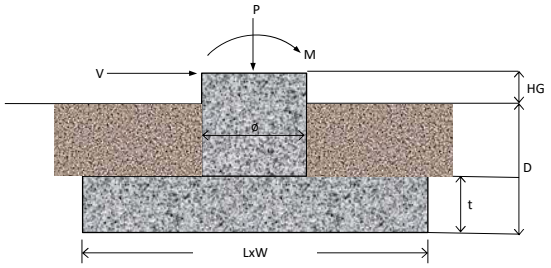
Case	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Ovtx	5274.5 k-ft	10224.1 k-ft	68.8%	OK	0.9D+1.6W
Ovty	5274.5 k-ft	10224.1 k-ft	68.8%	OK	0.9D+1.6W
Ovtxy	3729.6 k-ft	10224.1 k-ft	48.6%	OK	0.9D+1.6W
Controlling Capacity		**68.8%**	**Pass**		

Sliding Summary

Case	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Slidingx	41.0 k	255.7 k	16.0%	OK	0.9D+1.6W
Slidingy	41.0 k	255.7 k	16.0%	OK	0.9D+1.6W
Controlling Capacity		**16.0%**	**Pass**		

Reinforcement Summary

Component	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Pad Flexural Bending	2216.8 k-ft	8151.8 k-ft	27.2%	OK	0.9D+1.6W
One-Way Shear in Pad	264.8 k	1705.9 k	15.5%	OK	0.9D+1.6W
Two-Way Shear in Pad	689.0 k	5921.4 k	11.6%	OK	0.9D+1.6W
Compression on Pier	101.2 k	31993.0 k	0.3%	OK	1.2D+1.6W
Moment on Pier	5100.0 k-ft	7149.9 k-ft	71.3%	OK	1.2D+1.6W
As Min Pad Met?	2.46 sq. in.	0.22 sq. in.	Yes		
As Min Pier Met?	38.00 sq. in.	24.10 sq. in.	Yes		
Controlling Capacity		**71.3%**	**Pass**		



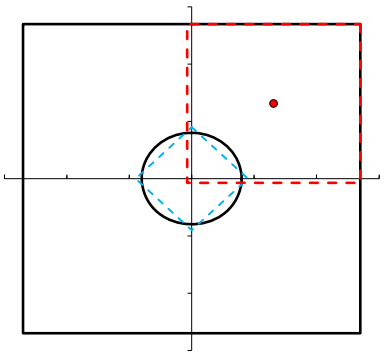


EXHIBIT 9

GPD Engineering and Architecture
Professional Corporation

MOUNT MODIFICATION REPORT

12'-6" Platform Mount

Site Address: 500 Highland Ave
City, State ZIP: Cheshire, CT 06410
Site Coordinates: 41° 30' 40.30", -72° 53' 54.50"

SBA Site Name: 500 Highland Ave / Light Tower
SBA Site ID: CT33762-M
Tower Type: 160' Monopole

T-Mobile Site Name: Cheshire Polive/TVI
T-Mobile Site ID: CT11308D
Application ID: 117059, v2

GPD Project Number: 2019778.33762.13
Analysis Date: November 19, 2020

Analysis Results

Mount Components	78.3%	Sufficient

Respectfully submitted by:

11/19/2020

Christopher J. Scheks, P.E.
Connecticut #: 0030026

Analysis Criteria

The purpose of this analysis is to verify whether the existing mount is structurally capable of carrying the proposed loading configuration as specified by T-Mobile to SBA. This report was commissioned by Benjamin Walsh of SBA.

The existing mount has been analyzed per the following requirements:

Governing Code(s)	TIA-222-H
Wind Speed	136 MPH 3-Second Gust
Wind Speed w/ Ice	50 MPH 3-Second Gust
Radial Ice Thickness	1”
Risk Category	III
Exposure Category	B
Topographic Category	1

Analysis Method

RISA-3D (Version 17.0.4), a commercially available analysis software package, and hand calculations were used to create a three-dimensional model of the mount and calculate member stresses for the proposed loading configuration. Selected calculations from this analysis can be found in the included appendices. The following table details the information provided to complete this structural analysis. This analysis is solely based on this information.

Mount Description

Documents Provided

Document Type	Remarks	Source
SBA Application	SBA Application ID: 117059, v2	SBA
Mount Design	Not Provided	N/A
Mount Mapping	TES Site #: CT33762-M, dated 7/15/2019	SBA
Previous Mount Analysis	Not Provided	N/A
Mount Modification Drawings	GPD Project #: 2019778.33762.13 Rev. 0, dated 11/19/2020	GPD
Tower Design	Not Provided	N/A
Previous Tower Analysis	Not Provided	N/A

Mount Materials (Assumed)

Structural Components	Material Strength
Pipe	ASTM A53-B (35 KSI Yield Strength)
Plate, Channel	ASTM A36 (36 KSI Yield Strength)
HSS (Rectangular)	ASTM A500-B (46 KSI Yield Strength)
Bolts	A325N & A307

Mount Loading

The following data shows the major loading that the mount supports. All existing, leased, and proposed loading information was provided by SBA or taken from the previous mount analysis.

Existing/Leased Loading Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	# of Antennas	Antenna Manufacturer	Antenna Model	Mount Details
147	147	3	Ericsson	Air 21 B2A/B4P	(1) 12'-6" Platform Mount
		3	Ericsson	Air 21 B4A/B2P	
		3	Commscope	LNX-6515DS-VTM	
		3	Ericsson	KRY 112 144/1	
		3	RFS	ATMAA1413D1A20	
		3	Ericsson	S11S12	

Final Proposed Loading Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	# of Antennas	Antenna Manufacturer	Antenna Model	Mount Details
147	147	3	Ericsson	KRD901146-1_B66A_B2A (Octo)	(1) 12'-6" Platform Mount
		3	Ericsson	AIR6449 B41	
		3	RFS	APXVAARR24_43-U-NA20	
		3	Ericsson	KRY 112 144/1	
		3	Commscope	ATMAA1413D1A20	
		3	Commscope	SDX1926Q-43	
		3	Ericsson	4449 B71 + B85	
		3	Ericsson	4415 B25	

Mount EPA

Component	EPA (ft^2)
Existing/Leased Loading Configuration	26.9
Final Proposed Loading Configuration	87.3
Mount	50.8

Mount Analysis Results

Capacity Summary of Structural Components

Notes	Component	% Capacity	Pass / Fail
	Mount	78.3	Pass
	Mount to Tower Connection	32.8	Pass

Conclusions & Recommendations

The modified mounts will be satisfactory for the proposed loading once the GPD designed modifications (Project #: 2019778.33762.13 Rev. 0, dated 11/19/2020, See Appendix 3) are installed.

Assumptions

This structural analysis is based on the theoretical capacity of the members and is not a condition assessment of the tower. This analysis is from information supplied, and therefore, its results are based on and are as accurate as that supplied data. GPD has made no independent determination, nor is it required to, of its accuracy. The following assumptions were made for this structural analysis.

1. The mount member sizes and shapes are considered accurate as supplied. The material grade is as per data supplied and/or as assumed based on experience with similar mounts.
2. The antenna configuration is as supplied and/or as modeled in the analysis. When information was not provided, the configuration was modeled based upon past experience with similar loading.
3. Some assumptions are made regarding antennas and mount sizes and their projected areas based on best interpretation of data supplied and of best knowledge of antenna type and industry practice.
4. The mount has been properly maintained in accordance with TIA Standards and/or with manufacturer's specifications.
5. All welds and connections are assumed to develop at least the member capacity unless determined otherwise and explicitly stated in this report.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and GPD should be allowed to review any new information to determine its effect on the structural integrity of the tower.

Disclaimer of Warranties

GPD has not performed a site visit to the mount to verify the member sizes and antenna/coax loading. If the existing conditions are not as represented on the mount elevation contained in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the mount. This report does not replace a full mount inspection. The mount is assumed to have been properly fabricated, maintained, in good condition, twist free, and plumb.

The engineering services rendered by GPD in connection with this Mount Analysis are limited to a computer analysis of the mount structure and theoretical capacity of its main structural members. All mount components have been assumed to only resist dead loads when no other loads are applied. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

This analysis is limited to the designated maximum wind and seismic conditions per the governing mount standards and code. Wind forces resulting in tower vibrations near the structure's resonant frequencies were not considered in this analysis and are outside the scope of this analysis. Lateral loading from any dynamic response was not evaluated under a time-domain based fatigue analysis.

GPD does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing mount. GPD provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure.

It is the owner's responsibility to determine the amount of ice accumulation in excess of the specified code recommended amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed mount. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from GPD, but are beyond the scope of this report.

Towers are designed to carry gravity, wind, and ice loads. All members, legs, diagonals, struts, and redundant members provide structural stability to the tower with little redundancy. Absence or removal of a member can trigger catastrophic failure unless a substitute is provided before any removal. Legs carry axial loads and derive their strength from shorter unbraced lengths by the presence of redundant members and their connection to the diagonals with bolts or welds. If the bolts or welds are removed without providing any substitute to the frame, the leg is subjected to a higher unbraced length that immediately reduces its load carrying capacity. If a diagonal is also removed in addition to the connection, the unbraced length of the leg is greatly increased, jeopardizing its load carrying capacity. Failure of one leg can result in a tower collapse because there is no redundancy. Redundant members and diagonals are critical to the stability of the tower.

GPD makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this mount. GPD will not be responsible whatsoever for, or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of GPD pursuant to this report will be limited to the total fee received for preparation of this report.

WIND CALCULATIONS AND RISA-3D OUTPUT FILE

TIA-222-H: Mount Analysis Wind Loading
33762 - 500 Highland Ave / Light Tower
2019778.33762.13

Structure Information		
Structure Type:	Monopole	
Structure Height:	160	ft
z (Mount Centerline) =	147	ft
Gh (Mount Gust Effect Factor)=	1.00	
Structure Class	III	

Code Specifications		
IBC Edition:		
TIA/EIA Code:	H	
Ultimate Wind Speed (No Ice) =	136	mph (3-s gust)
Ultimate Wind Speed (With Ice) =	50	mph (3-s gust)
Ice Thickness	1	in
Exposure Category	B	
Tower Base Elevation (AMSL)	205	ft

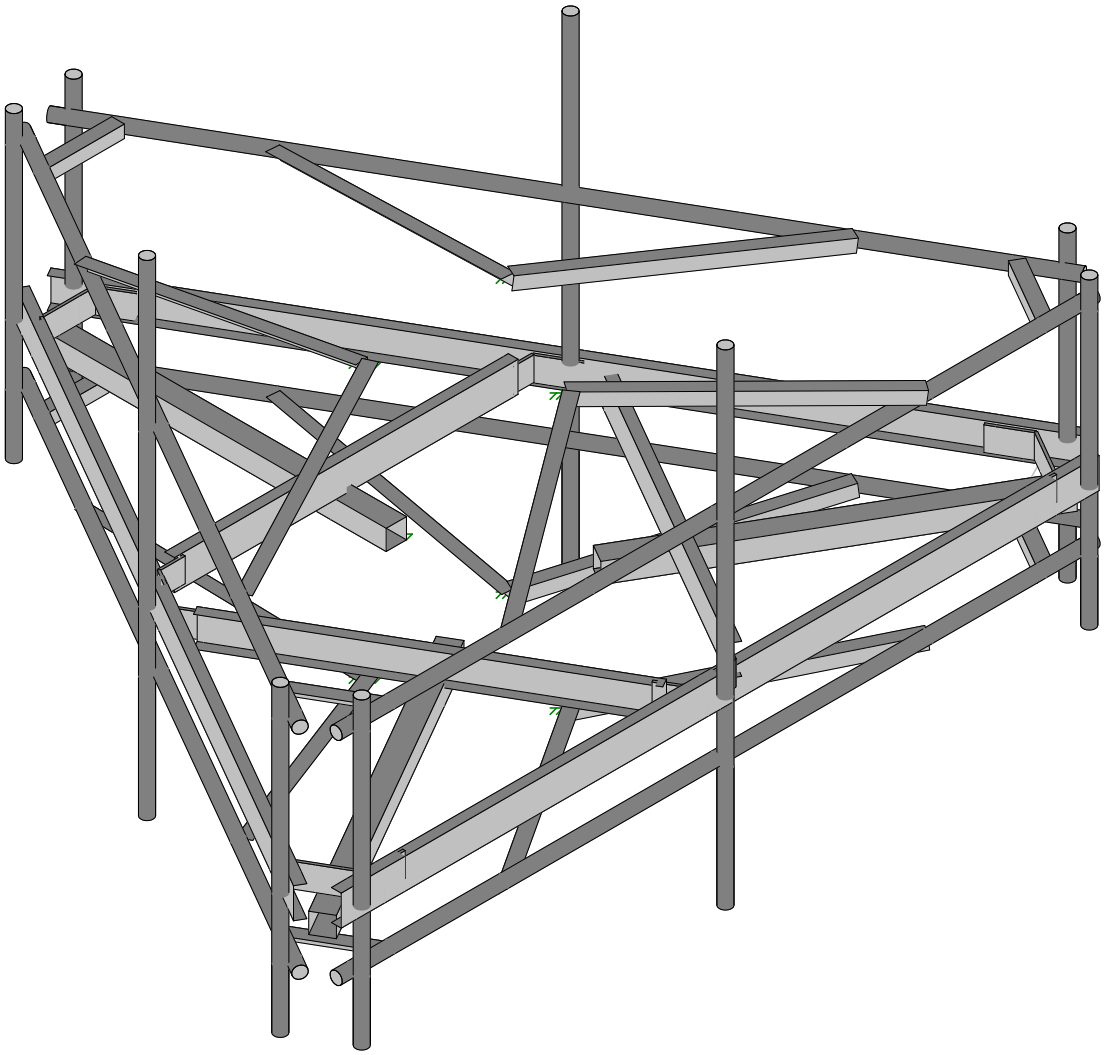
Topographic Inputs	
Topographic Feature:	N/A

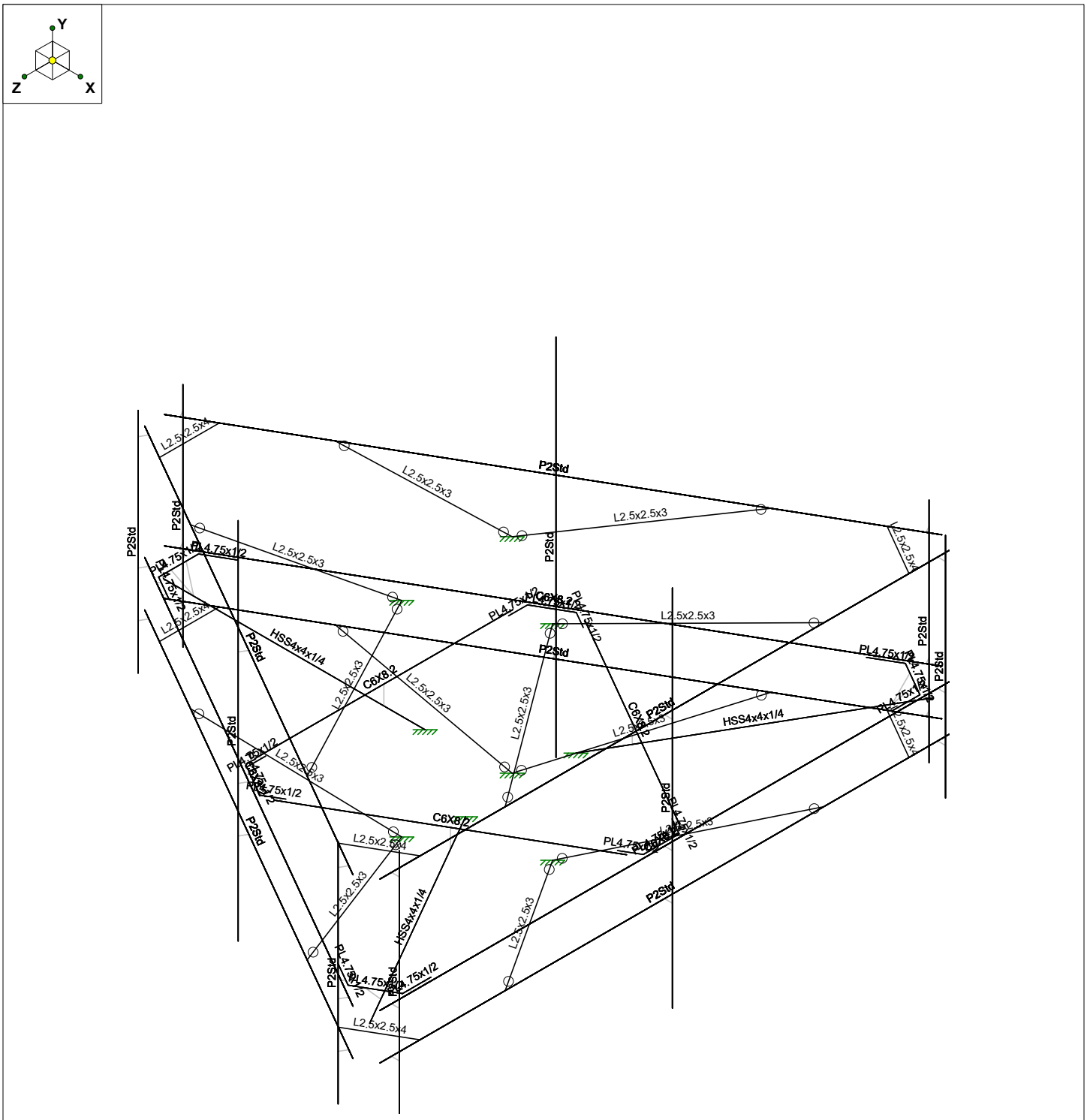
Section Sets										No Ice	Ice Output	
Mount Components	Member Type	Length (in)	Side (Longest seeing wind) (in)	Other Side (in)	Calculated Dc, for ice weight (in)	Dc, for ice weight (in)	Area Type (Round or Flat)	K_a	User's Wind Multiplier	Normal Wind Force (lb/ft)*	Normal Ice Wind Force (lb/ft)*	Ice Weight (lb/ft)*
Standoff	Square/Rect.	69.000	4	4		5.66	Flat	0.90	1.00	28.60	4.65	11.41
Bracing Channel	Square/Rect.	68.000	6	1.92		6.30	Flat	0.90	1.00	38.04	5.97	12.46
Face Channel	Square/Rect.	150.000	6	1.92		6.30	Flat	0.90	1.00	49.26	7.33	12.46
Connection Plate	Square/Rect.	11.000	4.75	0.5		4.78	Flat	0.90	1.00	23.40	4.20	9.97
Mount Pipe	Pipe	96.000	2.375	2.375		2.38	Round	0.90	1.00	11.70	2.99	6.05
Mod Support Rail	Pipe	150.000	2.375	2.375		2.38	Round	0.90	1.00	11.70	3.36	6.05
Mod Support Rail Corner	Angle	18.000	2.5	2.5		3.54	Flat	0.90	1.00	14.44	2.79	7.95
Mod Stabilizer	Angle	52.500	2.5	2.5		3.54	Flat	0.90	1.00	19.16	3.38	7.95

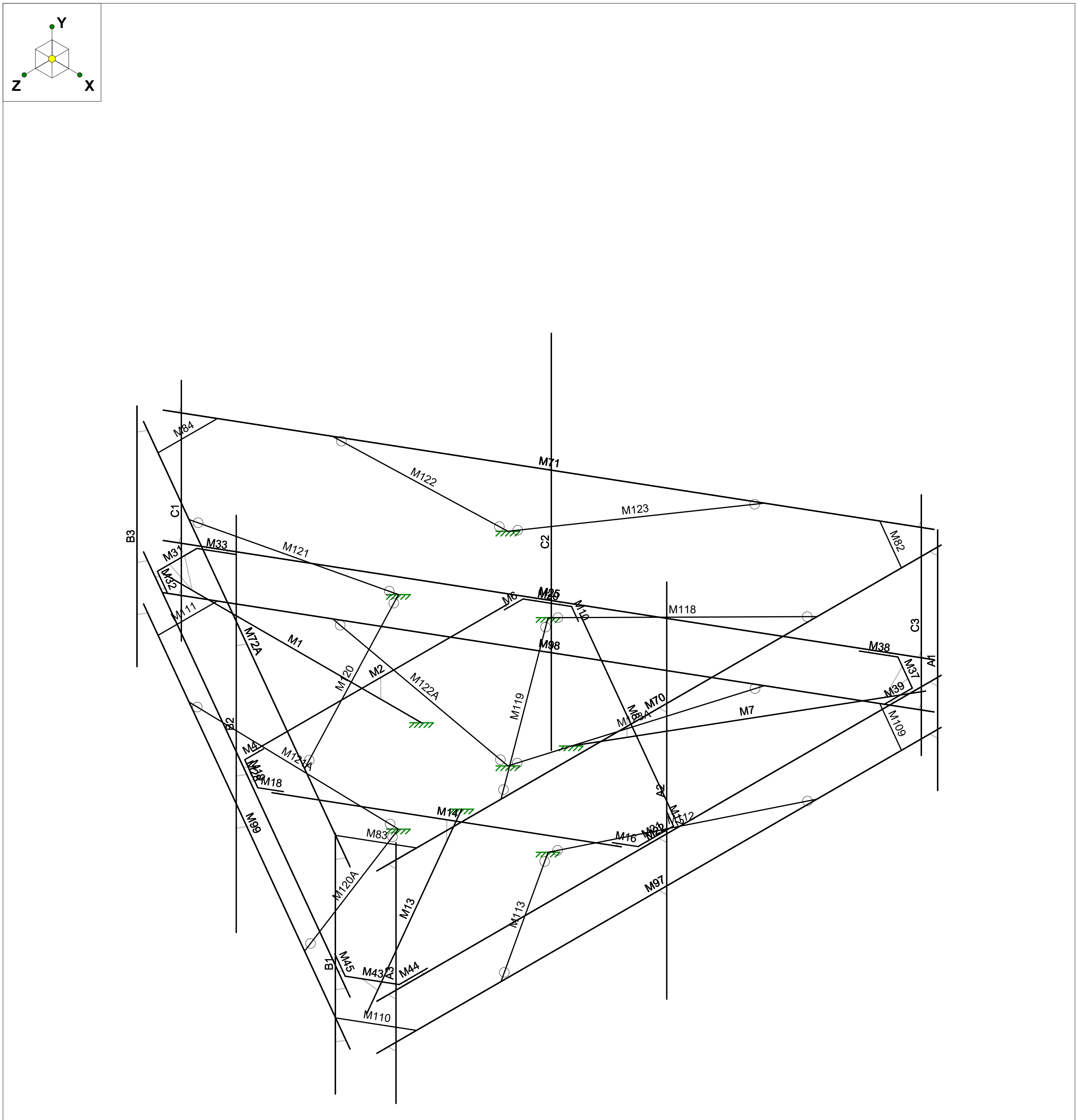
*All forces are unfactored.

Appurtenances								Shielding			No Ice		Ice Output	
	Appurtenance Model	Loading Elevation (ft)	Height (in)	Front Width (in)	Side Depth (in)	Wt (lbs)	Type for Area	Front Shielding (%)	Side Shielding (%)	K_a and/or block shielding	Normal Wind Force (lbs)*	Wt (lbs) (no ice)*	Normal Wind Force (lbs) (w/ ice)*	Wt (lbs) (only ice)*
(3)	KRD901146-1_B66A_B2A (Octo)	147	56.6	12.9	8.7	132.2	Flat	0%	0%	0.90	288.60	132.20	44.07	134.21
(3)	AIR6449 B41	147	33.1	20.5	8.3	103	Flat	0%	0%	0.90	250.68	103.00	38.26	112.15
(3)	APXVAARR24_43-U-NA20	147	96.4	11.9	7.1	128	Flat	0%	0%	0.90	507.40	128.00	76.22	193.12
(3)	KRY 112 144/1	147	6.9	6.1	2.7	11	Flat	0%	0%	0.90	15.55	11.00	3.32	10.93
(3)	ATMAA1413D1A20	147	12	11	4	11	Flat	0%	0%	0.90	48.77	11.00	8.59	26.24
(3)	SDX1926Q-43	147	4.1	6.9	2.9	6.1	Flat	0%	0%	0.90	10.45	6.10	2.48	9.04
(3)	4449 B71 + B85	147	17.9	13.1	10.6	75	Flat	0%	0%	0.90	86.63	75.00	14.33	58.97
(3)	4415 B25	147	16.5	13.4	5.9	46	Flat	0%	0%	0.90	81.68	46.00	13.57	43.30

*All forces are unfactored.


Y
Z
X


Y
Z
X
P2Std
L2.5x2.5x3
L2.5x2.5x4
PL4.75x1/2
HSS4x4x1/4
C6X8.2



Y
Z
X
M84
M71
M122
M123
C1
C2
B3
M82
M121
M31
M33
M32
M25
M29
M6
M10
M118
M111
C3
M98
M72A
M1
M38
A1
M37
M2
M120
M122A
M119
M39
M70
M7
M109
B2
M4
M121A
M18
A2
M147
M16
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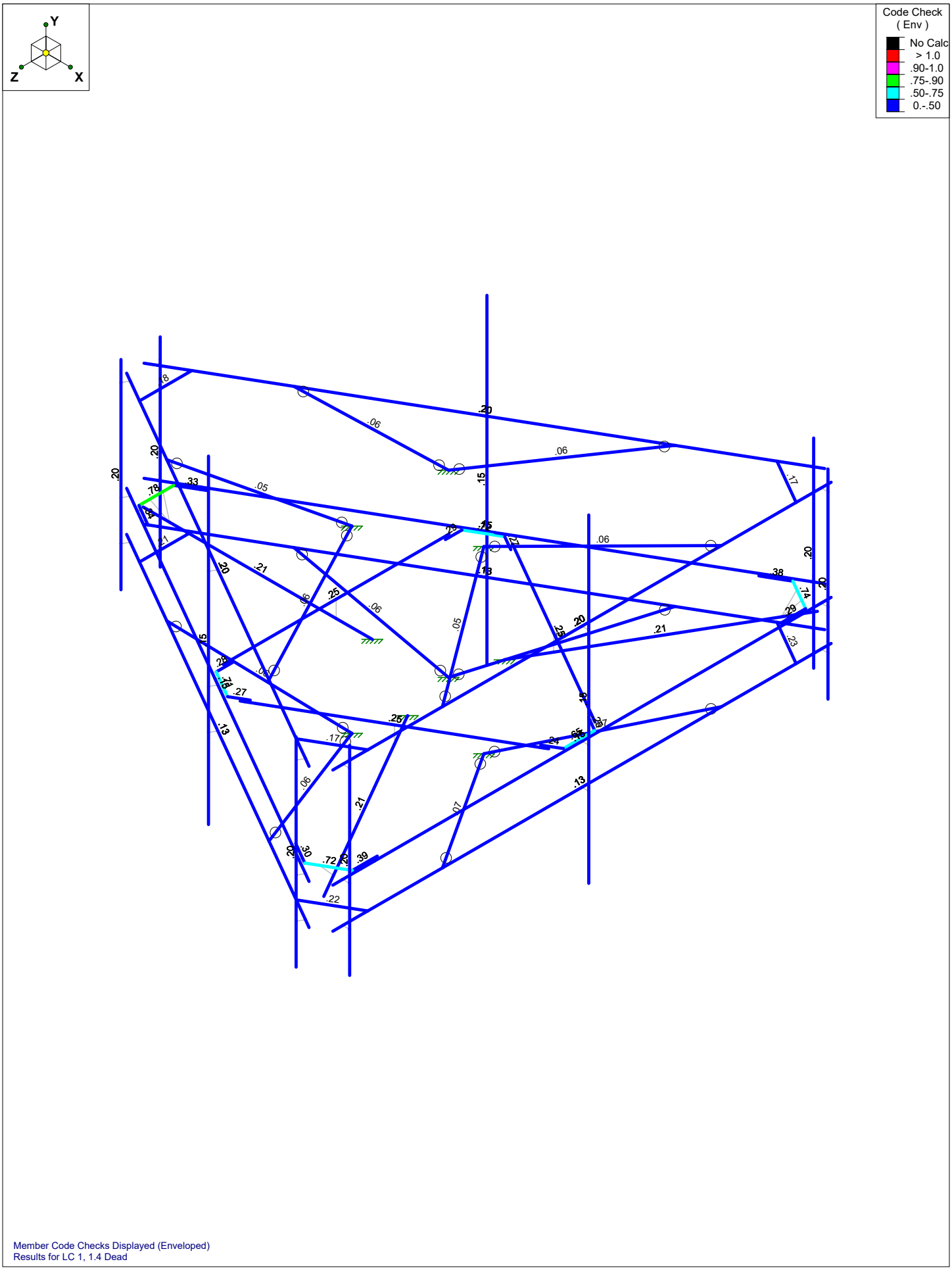
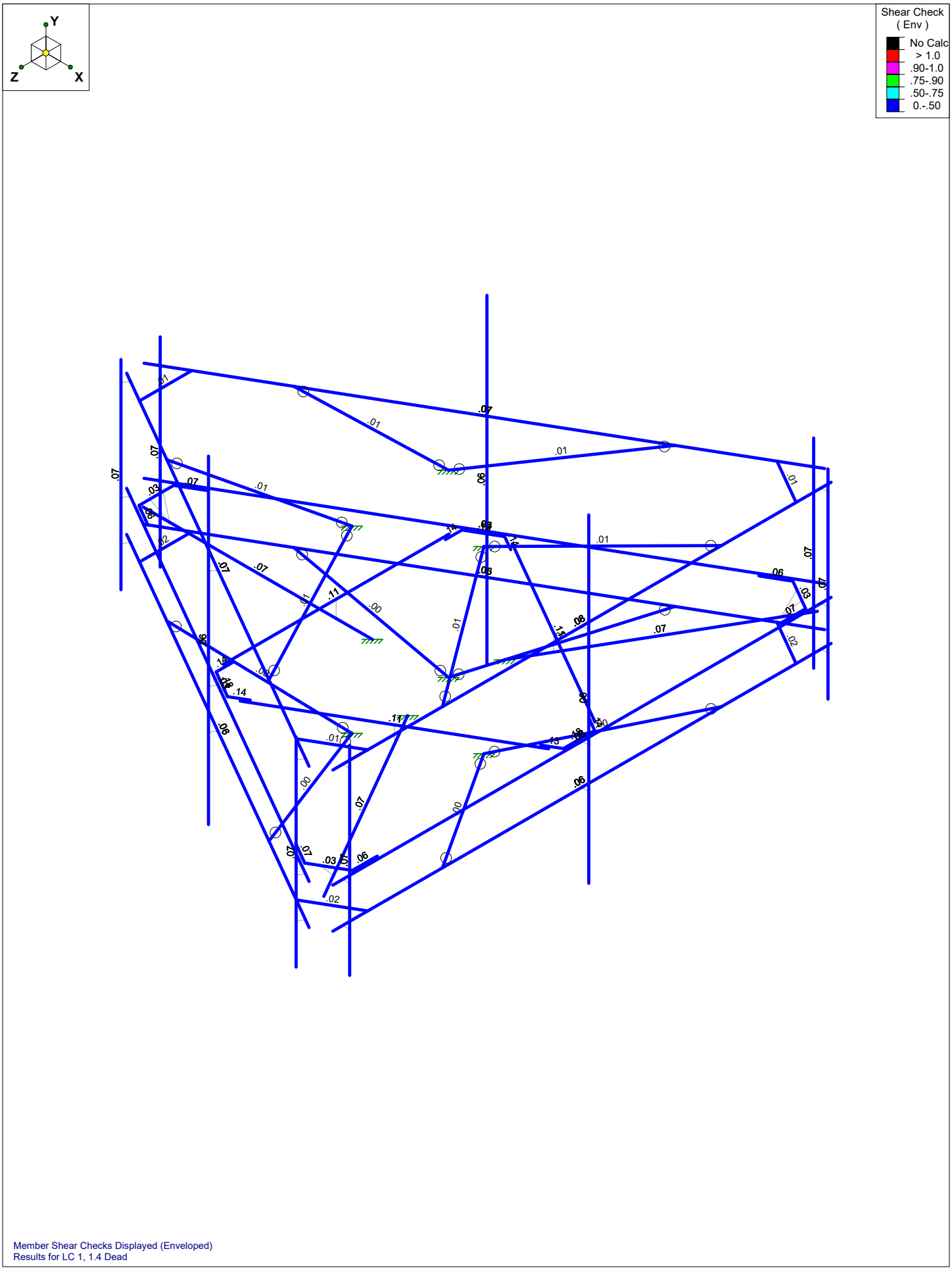
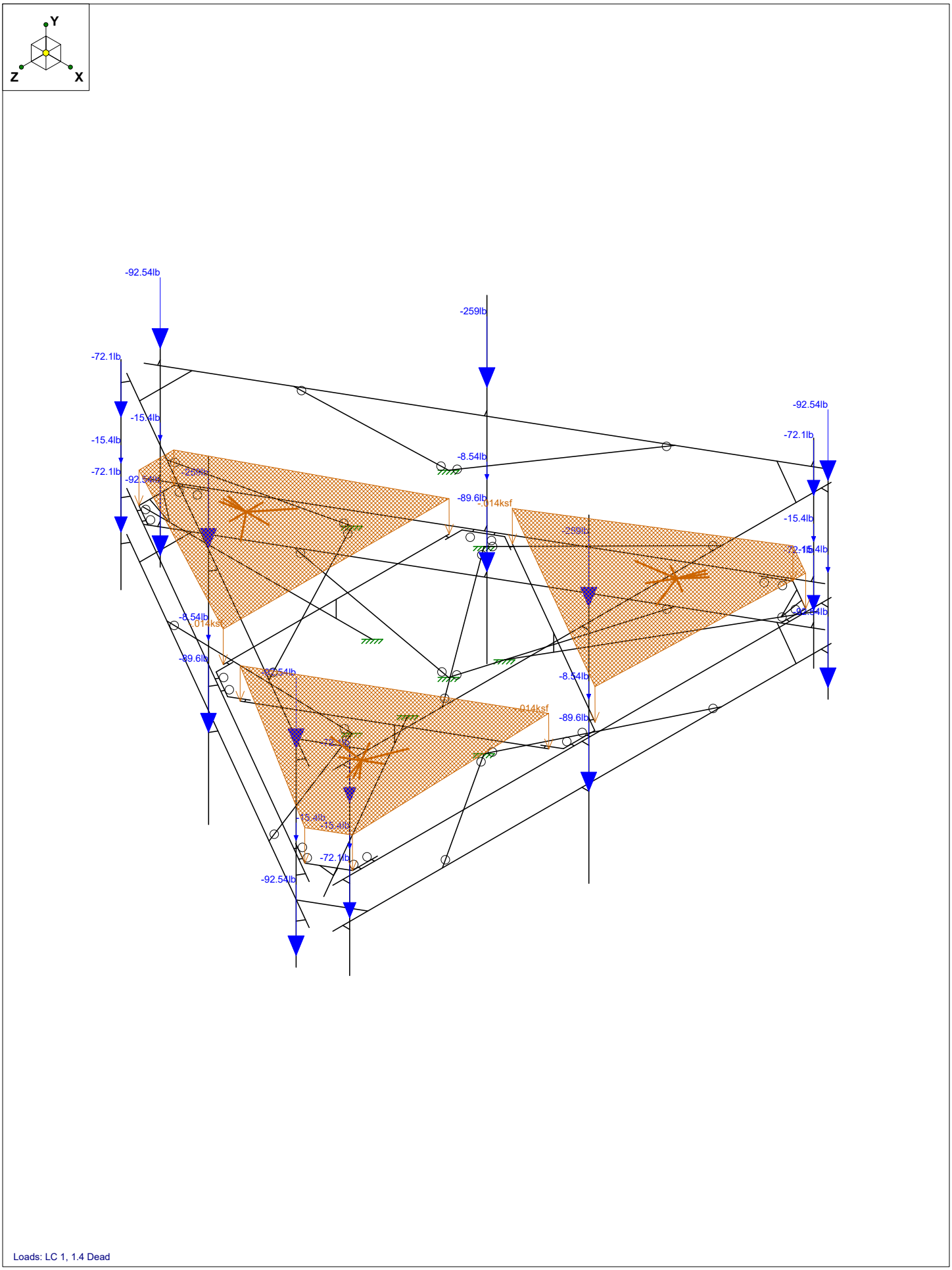
M43
A3
M44
M110



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4 Dead



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4 Dead



Loads: LC 1, 1.4 Dead

Hot Rolled Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff	HSS4x4x1/4	None	None	A500 Gr.B Rect	Typical	3.75	8.828	8.828	13.184
2	Bracing Channel	C6X8.2	None	None	A36 Gr.36	Typical	2.39	.687	13.1	.074
3	Face Channel	C6X8.2	None	None	A36 Gr.36	Typical	2.39	.687	13.1	.074
4	Connection Plate	PL4.75x1/2	None	None	A36 Gr.36	Typical	1.188	.006	2.233	.024
5	Mount Pipe	P2Std	None	None	A53 Gr.B	Typical	1.075	.666	.666	1.331
6	Mod Support Rail	P2Std	None	None	A53 Gr.B	Typical	1.075	.666	.666	1.331
7	Mod Support Rail Corner	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Mod Stabilizer	L2.5x2.5x3	None	None	A36 Gr.36	Typical	.901	.535	.535	.011

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Y	-66.1	%5
2	A1	Y	-66.1	%95
3	A1	Y	-5.5	%45
4	A1	Y	-5.5	%45
5	A2	Y	-64	%25
6	A2	Y	-64	%75
7	A2	Y	-3.05	%50
8	A2	Y	-3.05	%50
9	A2	Y	-37.5	%25
10	A2	Y	-37.5	%25
11	A2	Y	-23	%25
12	A2	Y	-23	%25
13	A3	Y	-51.5	%25
14	A3	Y	-51.5	%75
15	A3	Y	-5.5	%45
16	A3	Y	-5.5	%45
17	B1	Y	-66.1	%5
18	B1	Y	-66.1	%95
19	B1	Y	-5.5	%45
20	B1	Y	-5.5	%45
21	B2	Y	-64	%25
22	B2	Y	-64	%75
23	B2	Y	-3.05	%50
24	B2	Y	-3.05	%50
25	B2	Y	-37.5	%25
26	B2	Y	-37.5	%25
27	B2	Y	-23	%25
28	B2	Y	-23	%25
29	B3	Y	-51.5	%25
30	B3	Y	-51.5	%75
31	B3	Y	-5.5	%45
32	B3	Y	-5.5	%45

Member Point Loads (BLC 1 : Dead) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	C1	Y	-66.1	%5
34	C1	Y	-66.1	%95
35	C1	Y	-5.5	%45
36	C1	Y	-5.5	%45
37	C2	Y	-64	%25
38	C2	Y	-64	%75
39	C2	Y	-3.05	%50
40	C2	Y	-3.05	%50
41	C2	Y	-37.5	%25
42	C2	Y	-37.5	%25
43	C2	Y	-23	%25
44	C2	Y	-23	%25
45	C3	Y	-51.5	%25
46	C3	Y	-51.5	%75
47	C3	Y	-5.5	%45
48	C3	Y	-5.5	%45

Member Point Loads (BLC 2 : No Ice Wind 0 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	144.3	%5
2	A1	X	144.3	%95
3	A1	X	7.775	%45
4	A1	X	7.775	%45
5	A2	X	253.7	%25
6	A2	X	253.7	%75
7	A2	X	5.226	%50
8	A2	X	5.226	%50
9	A2	X	43.315	%25
10	A2	X	43.315	%25
11	A2	X	40.842	%25
12	A2	X	40.842	%25
13	A3	X	125.342	%25
14	A3	X	125.342	%75
15	A3	X	24.383	%45
16	A3	X	24.383	%45
17	B1	X	114.416	%5
18	B1	X	114.416	%95
19	B1	X	4.53	%45
20	B1	X	4.53	%45
21	B2	X	191.376	%25
22	B2	X	191.376	%75
23	B2	X	2.954	%50
24	B2	X	2.954	%50
25	B2	X	37.115	%25
26	B2	X	37.115	%25
27	B2	X	23.845	%25
28	B2	X	23.845	%25
29	B3	X	71.494	%25
30	B3	X	71.494	%75
31	B3	X	12.869	%45
32	B3	X	12.869	%45
33	C1	X	114.416	%5
34	C1	X	114.416	%95
35	C1	X	4.53	%45
36	C1	X	4.53	%45
37	C2	X	191.376	%25

Member Point Loads (BLC 2 : No Ice Wind 0 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
38	C2	X	191.376	%75
39	C2	X	2.954	%50
40	C2	X	2.954	%50
41	C2	X	37.115	%25
42	C2	X	37.115	%25
43	C2	X	23.845	%25
44	C2	X	23.845	%25
45	C3	X	71.494	%25
46	C3	X	71.494	%75
47	C3	X	12.869	%45
48	C3	X	12.869	%45

Member Point Loads (BLC 3 : No Ice Wind 30 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	116.341	%5
2	A1	Z	67.169	%5
3	A1	X	116.341	%95
4	A1	Z	67.169	%95
5	A1	X	5.797	%45
6	A1	Z	3.347	%45
7	A1	X	5.797	%45
8	A1	Z	3.347	%45
9	A2	X	201.719	%25
10	A2	Z	116.463	%25
11	A2	X	201.719	%75
12	A2	Z	116.463	%75
13	A2	X	3.87	%50
14	A2	Z	2.234	%50
15	A2	X	3.87	%50
16	A2	Z	2.234	%50
17	A2	X	35.722	%25
18	A2	Z	20.624	%25
19	A2	X	35.722	%25
20	A2	Z	20.624	%25
21	A2	X	30.463	%25
22	A2	Z	17.588	%25
23	A2	X	30.463	%25
24	A2	Z	17.588	%25
25	A3	X	93.005	%25
26	A3	Z	53.696	%25
27	A3	X	93.005	%75
28	A3	Z	53.696	%75
29	A3	X	17.792	%45
30	A3	Z	10.272	%45
31	A3	X	17.792	%45
32	A3	Z	10.272	%45
33	B1	X	90.46	%5
34	B1	Z	52.227	%5
35	B1	X	90.46	%95
36	B1	Z	52.227	%95
37	B1	X	2.986	%45
38	B1	Z	1.724	%45
39	B1	X	2.986	%45
40	B1	Z	1.724	%45
41	B2	X	147.745	%25
42	B2	Z	85.3	%25

Member Point Loads (BLC 3 : No Ice Wind 30 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
43	B2	X	147.745	%75
44	B2	Z	85.3	%75
45	B2	X	1.902	%50
46	B2	Z	1.098	%50
47	B2	X	1.902	%50
48	B2	Z	1.098	%50
49	B2	X	30.353	%25
50	B2	Z	17.524	%25
51	B2	X	30.353	%25
52	B2	Z	17.524	%25
53	B2	X	15.744	%25
54	B2	Z	9.09	%25
55	B2	X	15.744	%25
56	B2	Z	9.09	%25
57	B3	X	46.371	%25
58	B3	Z	26.772	%25
59	B3	X	46.371	%75
60	B3	Z	26.772	%75
61	B3	X	7.821	%45
62	B3	Z	4.515	%45
63	B3	X	7.821	%45
64	B3	Z	4.515	%45
65	C1	X	116.341	%5
66	C1	Z	67.169	%5
67	C1	X	116.341	%95
68	C1	Z	67.169	%95
69	C1	X	5.797	%45
70	C1	Z	3.347	%45
71	C1	X	5.797	%45
72	C1	Z	3.347	%45
73	C2	X	201.719	%25
74	C2	Z	116.463	%25
75	C2	X	201.719	%75
76	C2	Z	116.463	%75
77	C2	X	3.87	%50
78	C2	Z	2.234	%50
79	C2	X	3.87	%50
80	C2	Z	2.234	%50
81	C2	X	35.722	%25
82	C2	Z	20.624	%25
83	C2	X	35.722	%25
84	C2	Z	20.624	%25
85	C2	X	30.463	%25
86	C2	Z	17.588	%25
87	C2	X	30.463	%25
88	C2	Z	17.588	%25
89	C3	X	93.005	%25
90	C3	Z	53.696	%25
91	C3	X	93.005	%75
92	C3	Z	53.696	%75
93	C3	X	17.792	%45
94	C3	Z	10.272	%45
95	C3	X	17.792	%45
96	C3	Z	10.272	%45

Member Point Loads (BLC 4 : No Ice Wind 60 deg)

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

Member Point Loads (BLC 4 : No Ice Wind 60 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	57.208	%5
2	A1	Z	99.087	%5
3	A1	X	57.208	%95
4	A1	Z	99.087	%95
5	A1	X	2.265	%45
6	A1	Z	3.923	%45
7	A1	X	2.265	%45
8	A1	Z	3.923	%45
9	A2	X	95.688	%25
10	A2	Z	165.736	%25
11	A2	X	95.688	%75
12	A2	Z	165.736	%75
13	A2	X	1.477	%50
14	A2	Z	2.558	%50
15	A2	X	1.477	%50
16	A2	Z	2.558	%50
17	A2	X	18.558	%25
18	A2	Z	32.143	%25
19	A2	X	18.558	%25
20	A2	Z	32.143	%25
21	A2	X	11.923	%25
22	A2	Z	20.651	%25
23	A2	X	11.923	%25
24	A2	Z	20.651	%25
25	A3	X	35.747	%25
26	A3	Z	61.916	%25
27	A3	X	35.747	%75
28	A3	Z	61.916	%75
29	A3	X	6.434	%45
30	A3	Z	11.145	%45
31	A3	X	6.434	%45
32	A3	Z	11.145	%45
33	B1	X	57.208	%5
34	B1	Z	99.087	%5
35	B1	X	57.208	%95
36	B1	Z	99.087	%95
37	B1	X	2.265	%45
38	B1	Z	3.923	%45
39	B1	X	2.265	%45
40	B1	Z	3.923	%45
41	B2	X	95.688	%25
42	B2	Z	165.736	%25
43	B2	X	95.688	%75
44	B2	Z	165.736	%75
45	B2	X	1.477	%50
46	B2	Z	2.558	%50
47	B2	X	1.477	%50
48	B2	Z	2.558	%50
49	B2	X	18.558	%25
50	B2	Z	32.143	%25
51	B2	X	18.558	%25
52	B2	Z	32.143	%25
53	B2	X	11.923	%25
54	B2	Z	20.651	%25
55	B2	X	11.923	%25
56	B2	Z	20.651	%25
57	B3	X	35.747	%25

Member Point Loads (BLC 4 : No Ice Wind 60 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	B3	Z	61.916	%25
59	B3	X	35.747	%75
60	B3	Z	61.916	%75
61	B3	X	6.434	%45
62	B3	Z	11.145	%45
63	B3	X	6.434	%45
64	B3	Z	11.145	%45
65	C1	X	72.15	%5
66	C1	Z	124.968	%5
67	C1	X	72.15	%95
68	C1	Z	124.968	%95
69	C1	X	3.887	%45
70	C1	Z	6.733	%45
71	C1	X	3.887	%45
72	C1	Z	6.733	%45
73	C2	X	126.85	%25
74	C2	Z	219.711	%25
75	C2	X	126.85	%75
76	C2	Z	219.711	%75
77	C2	X	2.613	%50
78	C2	Z	4.526	%50
79	C2	X	2.613	%50
80	C2	Z	4.526	%50
81	C2	X	21.657	%25
82	C2	Z	37.512	%25
83	C2	X	21.657	%25
84	C2	Z	37.512	%25
85	C2	X	20.421	%25
86	C2	Z	35.37	%25
87	C2	X	20.421	%25
88	C2	Z	35.37	%25
89	C3	X	62.671	%25
90	C3	Z	108.549	%25
91	C3	X	62.671	%75
92	C3	Z	108.549	%75
93	C3	X	12.192	%45
94	C3	Z	21.116	%45
95	C3	X	12.192	%45
96	C3	Z	21.116	%45

Member Point Loads (BLC 5 : No Ice Wind 90 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Z	104.455	%5
2	A1	Z	104.455	%95
3	A1	Z	3.448	%45
4	A1	Z	3.448	%45
5	A2	Z	170.601	%25
6	A2	Z	170.601	%75
7	A2	Z	2.196	%50
8	A2	Z	2.196	%50
9	A2	Z	35.049	%25
10	A2	Z	35.049	%25
11	A2	Z	18.18	%25
12	A2	Z	18.18	%25
13	A3	Z	53.545	%25
14	A3	Z	53.545	%75

Member Point Loads (BLC 5 : No Ice Wind 90 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	A3	Z	9.031	%45
16	A3	Z	9.031	%45
17	B1	Z	134.339	%5
18	B1	Z	134.339	%95
19	B1	Z	6.693	%45
20	B1	Z	6.693	%45
21	B2	Z	232.925	%25
22	B2	Z	232.925	%75
23	B2	Z	4.468	%50
24	B2	Z	4.468	%50
25	B2	Z	41.248	%25
26	B2	Z	41.248	%25
27	B2	Z	35.176	%25
28	B2	Z	35.176	%25
29	B3	Z	107.392	%25
30	B3	Z	107.392	%75
31	B3	Z	20.545	%45
32	B3	Z	20.545	%45
33	C1	Z	134.339	%5
34	C1	Z	134.339	%95
35	C1	Z	6.693	%45
36	C1	Z	6.693	%45
37	C2	Z	232.925	%25
38	C2	Z	232.925	%75
39	C2	Z	4.468	%50
40	C2	Z	4.468	%50
41	C2	Z	41.248	%25
42	C2	Z	41.248	%25
43	C2	Z	35.176	%25
44	C2	Z	35.176	%25
45	C3	Z	107.392	%25
46	C3	Z	107.392	%75
47	C3	Z	20.545	%45
48	C3	Z	20.545	%45

Member Point Loads (BLC 6 : No Ice Wind 120 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-57.208	%5
2	A1	Z	99.087	%5
3	A1	X	-57.208	%95
4	A1	Z	99.087	%95
5	A1	X	-2.265	%45
6	A1	Z	3.923	%45
7	A1	X	-2.265	%45
8	A1	Z	3.923	%45
9	A2	X	-95.688	%25
10	A2	Z	165.736	%25
11	A2	X	-95.688	%75
12	A2	Z	165.736	%75
13	A2	X	-1.477	%50
14	A2	Z	2.558	%50
15	A2	X	-1.477	%50
16	A2	Z	2.558	%50
17	A2	X	-18.558	%25
18	A2	Z	32.143	%25
19	A2	X	-18.558	%25

Member Point Loads (BLC 6 : No Ice Wind 120 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
20	A2	Z	32.143	%25
21	A2	X	-11.923	%25
22	A2	Z	20.651	%25
23	A2	X	-11.923	%25
24	A2	Z	20.651	%25
25	A3	X	-35.747	%25
26	A3	Z	61.916	%25
27	A3	X	-35.747	%75
28	A3	Z	61.916	%75
29	A3	X	-6.434	%45
30	A3	Z	11.145	%45
31	A3	X	-6.434	%45
32	A3	Z	11.145	%45
33	B1	X	-72.15	%5
34	B1	Z	124.968	%5
35	B1	X	-72.15	%95
36	B1	Z	124.968	%95
37	B1	X	-3.887	%45
38	B1	Z	6.733	%45
39	B1	X	-3.887	%45
40	B1	Z	6.733	%45
41	B2	X	-126.85	%25
42	B2	Z	219.711	%25
43	B2	X	-126.85	%75
44	B2	Z	219.711	%75
45	B2	X	-2.613	%50
46	B2	Z	4.526	%50
47	B2	X	-2.613	%50
48	B2	Z	4.526	%50
49	B2	X	-21.657	%25
50	B2	Z	37.512	%25
51	B2	X	-21.657	%25
52	B2	Z	37.512	%25
53	B2	X	-20.421	%25
54	B2	Z	35.37	%25
55	B2	X	-20.421	%25
56	B2	Z	35.37	%25
57	B3	X	-62.671	%25
58	B3	Z	108.549	%25
59	B3	X	-62.671	%75
60	B3	Z	108.549	%75
61	B3	X	-12.192	%45
62	B3	Z	21.116	%45
63	B3	X	-12.192	%45
64	B3	Z	21.116	%45
65	C1	X	-57.208	%5
66	C1	Z	99.087	%5
67	C1	X	-57.208	%95
68	C1	Z	99.087	%95
69	C1	X	-2.265	%45
70	C1	Z	3.923	%45
71	C1	X	-2.265	%45
72	C1	Z	3.923	%45
73	C2	X	-95.688	%25
74	C2	Z	165.736	%25
75	C2	X	-95.688	%75
76	C2	Z	165.736	%75

Member Point Loads (BLC 6 : No Ice Wind 120 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	C2	X	-1.477	%50
78	C2	Z	2.558	%50
79	C2	X	-1.477	%50
80	C2	Z	2.558	%50
81	C2	X	-18.558	%25
82	C2	Z	32.143	%25
83	C2	X	-18.558	%25
84	C2	Z	32.143	%25
85	C2	X	-11.923	%25
86	C2	Z	20.651	%25
87	C2	X	-11.923	%25
88	C2	Z	20.651	%25
89	C3	X	-35.747	%25
90	C3	Z	61.916	%25
91	C3	X	-35.747	%75
92	C3	Z	61.916	%75
93	C3	X	-6.434	%45
94	C3	Z	11.145	%45
95	C3	X	-6.434	%45
96	C3	Z	11.145	%45

Member Point Loads (BLC 7 : No Ice Wind 150 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-116.341	%5
2	A1	Z	67.169	%5
3	A1	X	-116.341	%95
4	A1	Z	67.169	%95
5	A1	X	-5.797	%45
6	A1	Z	3.347	%45
7	A1	X	-5.797	%45
8	A1	Z	3.347	%45
9	A2	X	-201.719	%25
10	A2	Z	116.463	%25
11	A2	X	-201.719	%75
12	A2	Z	116.463	%75
13	A2	X	-3.87	%50
14	A2	Z	2.234	%50
15	A2	X	-3.87	%50
16	A2	Z	2.234	%50
17	A2	X	-35.722	%25
18	A2	Z	20.624	%25
19	A2	X	-35.722	%25
20	A2	Z	20.624	%25
21	A2	X	-30.463	%25
22	A2	Z	17.588	%25
23	A2	X	-30.463	%25
24	A2	Z	17.588	%25
25	A3	X	-93.005	%25
26	A3	Z	53.696	%25
27	A3	X	-93.005	%75
28	A3	Z	53.696	%75
29	A3	X	-17.792	%45
30	A3	Z	10.272	%45
31	A3	X	-17.792	%45
32	A3	Z	10.272	%45
33	B1	X	-116.341	%5

Member Point Loads (BLC 7 : No Ice Wind 150 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
34	B1	Z	67.169	%5
35	B1	X	-116.341	%95
36	B1	Z	67.169	%95
37	B1	X	-5.797	%45
38	B1	Z	3.347	%45
39	B1	X	-5.797	%45
40	B1	Z	3.347	%45
41	B2	X	-201.719	%25
42	B2	Z	116.463	%25
43	B2	X	-201.719	%75
44	B2	Z	116.463	%75
45	B2	X	-3.87	%50
46	B2	Z	2.234	%50
47	B2	X	-3.87	%50
48	B2	Z	2.234	%50
49	B2	X	-35.722	%25
50	B2	Z	20.624	%25
51	B2	X	-35.722	%25
52	B2	Z	20.624	%25
53	B2	X	-30.463	%25
54	B2	Z	17.588	%25
55	B2	X	-30.463	%25
56	B2	Z	17.588	%25
57	B3	X	-93.005	%25
58	B3	Z	53.696	%25
59	B3	X	-93.005	%75
60	B3	Z	53.696	%75
61	B3	X	-17.792	%45
62	B3	Z	10.272	%45
63	B3	X	-17.792	%45
64	B3	Z	10.272	%45
65	C1	X	-90.46	%5
66	C1	Z	52.227	%5
67	C1	X	-90.46	%95
68	C1	Z	52.227	%95
69	C1	X	-2.986	%45
70	C1	Z	1.724	%45
71	C1	X	-2.986	%45
72	C1	Z	1.724	%45
73	C2	X	-147.745	%25
74	C2	Z	85.3	%25
75	C2	X	-147.745	%75
76	C2	Z	85.3	%75
77	C2	X	-1.902	%50
78	C2	Z	1.098	%50
79	C2	X	-1.902	%50
80	C2	Z	1.098	%50
81	C2	X	-30.353	%25
82	C2	Z	17.524	%25
83	C2	X	-30.353	%25
84	C2	Z	17.524	%25
85	C2	X	-15.744	%25
86	C2	Z	9.09	%25
87	C2	X	-15.744	%25
88	C2	Z	9.09	%25
89	C3	X	-46.371	%25
90	C3	Z	26.772	%25

Member Point Loads (BLC 7 : No Ice Wind 150 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
91	C3	X	-46.371	%75
92	C3	Z	26.772	%75
93	C3	X	-7.821	%45
94	C3	Z	4.515	%45
95	C3	X	-7.821	%45
96	C3	Z	4.515	%45

Member Point Loads (BLC 8 : No Ice Wind 180 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-144.3	%5
2	A1	X	-144.3	%95
3	A1	X	-7.775	%45
4	A1	X	-7.775	%45
5	A2	X	-253.7	%25
6	A2	X	-253.7	%75
7	A2	X	-5.226	%50
8	A2	X	-5.226	%50
9	A2	X	-43.315	%25
10	A2	X	-43.315	%25
11	A2	X	-40.842	%25
12	A2	X	-40.842	%25
13	A3	X	-125.342	%25
14	A3	X	-125.342	%75
15	A3	X	-24.383	%45
16	A3	X	-24.383	%45
17	B1	X	-114.416	%5
18	B1	X	-114.416	%95
19	B1	X	-4.53	%45
20	B1	X	-4.53	%45
21	B2	X	-191.376	%25
22	B2	X	-191.376	%75
23	B2	X	-2.954	%50
24	B2	X	-2.954	%50
25	B2	X	-37.115	%25
26	B2	X	-37.115	%25
27	B2	X	-23.845	%25
28	B2	X	-23.845	%25
29	B3	X	-71.494	%25
30	B3	X	-71.494	%75
31	B3	X	-12.869	%45
32	B3	X	-12.869	%45
33	C1	X	-114.416	%5
34	C1	X	-114.416	%95
35	C1	X	-4.53	%45
36	C1	X	-4.53	%45
37	C2	X	-191.376	%25
38	C2	X	-191.376	%75
39	C2	X	-2.954	%50
40	C2	X	-2.954	%50
41	C2	X	-37.115	%25
42	C2	X	-37.115	%25
43	C2	X	-23.845	%25
44	C2	X	-23.845	%25
45	C3	X	-71.494	%25
46	C3	X	-71.494	%75
47	C3	X	-12.869	%45

Member Point Loads (BLC 8 : No Ice Wind 180 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
48	C3	X	-12.869	%45

Member Point Loads (BLC 9 : No Ice Wind 210 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-116.341	%5
2	A1	Z	-67.169	%5
3	A1	X	-116.341	%95
4	A1	Z	-67.169	%95
5	A1	X	-5.797	%45
6	A1	Z	-3.347	%45
7	A1	X	-5.797	%45
8	A1	Z	-3.347	%45
9	A2	X	-201.719	%25
10	A2	Z	-116.463	%25
11	A2	X	-201.719	%75
12	A2	Z	-116.463	%75
13	A2	X	-3.87	%50
14	A2	Z	-2.234	%50
15	A2	X	-3.87	%50
16	A2	Z	-2.234	%50
17	A2	X	-35.722	%25
18	A2	Z	-20.624	%25
19	A2	X	-35.722	%25
20	A2	Z	-20.624	%25
21	A2	X	-30.463	%25
22	A2	Z	-17.588	%25
23	A2	X	-30.463	%25
24	A2	Z	-17.588	%25
25	A3	X	-93.005	%25
26	A3	Z	-53.696	%25
27	A3	X	-93.005	%75
28	A3	Z	-53.696	%75
29	A3	X	-17.792	%45
30	A3	Z	-10.272	%45
31	A3	X	-17.792	%45
32	A3	Z	-10.272	%45
33	B1	X	-90.46	%5
34	B1	Z	-52.227	%5
35	B1	X	-90.46	%95
36	B1	Z	-52.227	%95
37	B1	X	-2.986	%45
38	B1	Z	-1.724	%45
39	B1	X	-2.986	%45
40	B1	Z	-1.724	%45
41	B2	X	-147.745	%25
42	B2	Z	-85.3	%25
43	B2	X	-147.745	%75
44	B2	Z	-85.3	%75
45	B2	X	-1.902	%50
46	B2	Z	-1.098	%50
47	B2	X	-1.902	%50
48	B2	Z	-1.098	%50
49	B2	X	-30.353	%25
50	B2	Z	-17.524	%25
51	B2	X	-30.353	%25
52	B2	Z	-17.524	%25

Member Point Loads (BLC 9 : No Ice Wind 210 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	B2	X	-15.744	%25
54	B2	Z	-9.09	%25
55	B2	X	-15.744	%25
56	B2	Z	-9.09	%25
57	B3	X	-46.371	%25
58	B3	Z	-26.772	%25
59	B3	X	-46.371	%75
60	B3	Z	-26.772	%75
61	B3	X	-7.821	%45
62	B3	Z	-4.515	%45
63	B3	X	-7.821	%45
64	B3	Z	-4.515	%45
65	C1	X	-116.341	%5
66	C1	Z	-67.169	%5
67	C1	X	-116.341	%95
68	C1	Z	-67.169	%95
69	C1	X	-5.797	%45
70	C1	Z	-3.347	%45
71	C1	X	-5.797	%45
72	C1	Z	-3.347	%45
73	C2	X	-201.719	%25
74	C2	Z	-116.463	%25
75	C2	X	-201.719	%75
76	C2	Z	-116.463	%75
77	C2	X	-3.87	%50
78	C2	Z	-2.234	%50
79	C2	X	-3.87	%50
80	C2	Z	-2.234	%50
81	C2	X	-35.722	%25
82	C2	Z	-20.624	%25
83	C2	X	-35.722	%25
84	C2	Z	-20.624	%25
85	C2	X	-30.463	%25
86	C2	Z	-17.588	%25
87	C2	X	-30.463	%25
88	C2	Z	-17.588	%25
89	C3	X	-93.005	%25
90	C3	Z	-53.696	%25
91	C3	X	-93.005	%75
92	C3	Z	-53.696	%75
93	C3	X	-17.792	%45
94	C3	Z	-10.272	%45
95	C3	X	-17.792	%45
96	C3	Z	-10.272	%45

Member Point Loads (BLC 10 : No Ice Wind 240 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-57.208	%5
2	A1	Z	-99.087	%5
3	A1	X	-57.208	%95
4	A1	Z	-99.087	%95
5	A1	X	-2.265	%45
6	A1	Z	-3.923	%45
7	A1	X	-2.265	%45
8	A1	Z	-3.923	%45
9	A2	X	-95.688	%25

Member Point Loads (BLC 10 : No Ice Wind 240 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	A2	Z	-165.736	%25
11	A2	X	-95.688	%75
12	A2	Z	-165.736	%75
13	A2	X	-1.477	%50
14	A2	Z	-2.558	%50
15	A2	X	-1.477	%50
16	A2	Z	-2.558	%50
17	A2	X	-18.558	%25
18	A2	Z	-32.143	%25
19	A2	X	-18.558	%25
20	A2	Z	-32.143	%25
21	A2	X	-11.923	%25
22	A2	Z	-20.651	%25
23	A2	X	-11.923	%25
24	A2	Z	-20.651	%25
25	A3	X	-35.747	%25
26	A3	Z	-61.916	%25
27	A3	X	-35.747	%75
28	A3	Z	-61.916	%75
29	A3	X	-6.434	%45
30	A3	Z	-11.145	%45
31	A3	X	-6.434	%45
32	A3	Z	-11.145	%45
33	B1	X	-57.208	%5
34	B1	Z	-99.087	%5
35	B1	X	-57.208	%95
36	B1	Z	-99.087	%95
37	B1	X	-2.265	%45
38	B1	Z	-3.923	%45
39	B1	X	-2.265	%45
40	B1	Z	-3.923	%45
41	B2	X	-95.688	%25
42	B2	Z	-165.736	%25
43	B2	X	-95.688	%75
44	B2	Z	-165.736	%75
45	B2	X	-1.477	%50
46	B2	Z	-2.558	%50
47	B2	X	-1.477	%50
48	B2	Z	-2.558	%50
49	B2	X	-18.558	%25
50	B2	Z	-32.143	%25
51	B2	X	-18.558	%25
52	B2	Z	-32.143	%25
53	B2	X	-11.923	%25
54	B2	Z	-20.651	%25
55	B2	X	-11.923	%25
56	B2	Z	-20.651	%25
57	B3	X	-35.747	%25
58	B3	Z	-61.916	%25
59	B3	X	-35.747	%75
60	B3	Z	-61.916	%75
61	B3	X	-6.434	%45
62	B3	Z	-11.145	%45
63	B3	X	-6.434	%45
64	B3	Z	-11.145	%45
65	C1	X	-72.15	%5
66	C1	Z	-124.968	%5

Member Point Loads (BLC 10 : No Ice Wind 240 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	C1	X	-72.15	%95
68	C1	Z	-124.968	%95
69	C1	X	-3.887	%45
70	C1	Z	-6.733	%45
71	C1	X	-3.887	%45
72	C1	Z	-6.733	%45
73	C2	X	-126.85	%25
74	C2	Z	-219.711	%25
75	C2	X	-126.85	%75
76	C2	Z	-219.711	%75
77	C2	X	-2.613	%50
78	C2	Z	-4.526	%50
79	C2	X	-2.613	%50
80	C2	Z	-4.526	%50
81	C2	X	-21.657	%25
82	C2	Z	-37.512	%25
83	C2	X	-21.657	%25
84	C2	Z	-37.512	%25
85	C2	X	-20.421	%25
86	C2	Z	-35.37	%25
87	C2	X	-20.421	%25
88	C2	Z	-35.37	%25
89	C3	X	-62.671	%25
90	C3	Z	-108.549	%25
91	C3	X	-62.671	%75
92	C3	Z	-108.549	%75
93	C3	X	-12.192	%45
94	C3	Z	-21.116	%45
95	C3	X	-12.192	%45
96	C3	Z	-21.116	%45

Member Point Loads (BLC 11 : No Ice Wind 270 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Z	-104.455	%5
2	A1	Z	-104.455	%95
3	A1	Z	-3.448	%45
4	A1	Z	-3.448	%45
5	A2	Z	-170.601	%25
6	A2	Z	-170.601	%75
7	A2	Z	-2.196	%50
8	A2	Z	-2.196	%50
9	A2	Z	-35.049	%25
10	A2	Z	-35.049	%25
11	A2	Z	-18.18	%25
12	A2	Z	-18.18	%25
13	A3	Z	-53.545	%25
14	A3	Z	-53.545	%75
15	A3	Z	-9.031	%45
16	A3	Z	-9.031	%45
17	B1	Z	-134.339	%5
18	B1	Z	-134.339	%95
19	B1	Z	-6.693	%45
20	B1	Z	-6.693	%45
21	B2	Z	-232.925	%25
22	B2	Z	-232.925	%75
23	B2	Z	-4.468	%50

Member Point Loads (BLC 11 : No Ice Wind 270 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	B2	Z	-4.468	%50
25	B2	Z	-41.248	%25
26	B2	Z	-41.248	%25
27	B2	Z	-35.176	%25
28	B2	Z	-35.176	%25
29	B3	Z	-107.392	%25
30	B3	Z	-107.392	%75
31	B3	Z	-20.545	%45
32	B3	Z	-20.545	%45
33	C1	Z	-134.339	%5
34	C1	Z	-134.339	%95
35	C1	Z	-6.693	%45
36	C1	Z	-6.693	%45
37	C2	Z	-232.925	%25
38	C2	Z	-232.925	%75
39	C2	Z	-4.468	%50
40	C2	Z	-4.468	%50
41	C2	Z	-41.248	%25
42	C2	Z	-41.248	%25
43	C2	Z	-35.176	%25
44	C2	Z	-35.176	%25
45	C3	Z	-107.392	%25
46	C3	Z	-107.392	%75
47	C3	Z	-20.545	%45
48	C3	Z	-20.545	%45

Member Point Loads (BLC 12 : No Ice Wind 300 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	57.208	%5
2	A1	Z	-99.087	%5
3	A1	X	57.208	%95
4	A1	Z	-99.087	%95
5	A1	X	2.265	%45
6	A1	Z	-3.923	%45
7	A1	X	2.265	%45
8	A1	Z	-3.923	%45
9	A2	X	95.688	%25
10	A2	Z	-165.736	%25
11	A2	X	95.688	%75
12	A2	Z	-165.736	%75
13	A2	X	1.477	%50
14	A2	Z	-2.558	%50
15	A2	X	1.477	%50
16	A2	Z	-2.558	%50
17	A2	X	18.558	%25
18	A2	Z	-32.143	%25
19	A2	X	18.558	%25
20	A2	Z	-32.143	%25
21	A2	X	11.923	%25
22	A2	Z	-20.651	%25
23	A2	X	11.923	%25
24	A2	Z	-20.651	%25
25	A3	X	35.747	%25
26	A3	Z	-61.916	%25
27	A3	X	35.747	%75
28	A3	Z	-61.916	%75

Member Point Loads (BLC 12 : No Ice Wind 300 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	A3	X	6.434	%45
30	A3	Z	-11.145	%45
31	A3	X	6.434	%45
32	A3	Z	-11.145	%45
33	B1	X	72.15	%5
34	B1	Z	-124.968	%5
35	B1	X	72.15	%95
36	B1	Z	-124.968	%95
37	B1	X	3.887	%45
38	B1	Z	-6.733	%45
39	B1	X	3.887	%45
40	B1	Z	-6.733	%45
41	B2	X	126.85	%25
42	B2	Z	-219.711	%25
43	B2	X	126.85	%75
44	B2	Z	-219.711	%75
45	B2	X	2.613	%50
46	B2	Z	-4.526	%50
47	B2	X	2.613	%50
48	B2	Z	-4.526	%50
49	B2	X	21.657	%25
50	B2	Z	-37.512	%25
51	B2	X	21.657	%25
52	B2	Z	-37.512	%25
53	B2	X	20.421	%25
54	B2	Z	-35.37	%25
55	B2	X	20.421	%25
56	B2	Z	-35.37	%25
57	B3	X	62.671	%25
58	B3	Z	-108.549	%25
59	B3	X	62.671	%75
60	B3	Z	-108.549	%75
61	B3	X	12.192	%45
62	B3	Z	-21.116	%45
63	B3	X	12.192	%45
64	B3	Z	-21.116	%45
65	C1	X	57.208	%5
66	C1	Z	-99.087	%5
67	C1	X	57.208	%95
68	C1	Z	-99.087	%95
69	C1	X	2.265	%45
70	C1	Z	-3.923	%45
71	C1	X	2.265	%45
72	C1	Z	-3.923	%45
73	C2	X	95.688	%25
74	C2	Z	-165.736	%25
75	C2	X	95.688	%75
76	C2	Z	-165.736	%75
77	C2	X	1.477	%50
78	C2	Z	-2.558	%50
79	C2	X	1.477	%50
80	C2	Z	-2.558	%50
81	C2	X	18.558	%25
82	C2	Z	-32.143	%25
83	C2	X	18.558	%25
84	C2	Z	-32.143	%25
85	C2	X	11.923	%25

Member Point Loads (BLC 12 : No Ice Wind 300 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
86	C2	Z	-20.651	%25
87	C2	X	11.923	%25
88	C2	Z	-20.651	%25
89	C3	X	35.747	%25
90	C3	Z	-61.916	%25
91	C3	X	35.747	%75
92	C3	Z	-61.916	%75
93	C3	X	6.434	%45
94	C3	Z	-11.145	%45
95	C3	X	6.434	%45
96	C3	Z	-11.145	%45

Member Point Loads (BLC 13 : No Ice Wind 330 deg)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	116.341	%5
2	A1	Z	-67.169	%5
3	A1	X	116.341	%95
4	A1	Z	-67.169	%95
5	A1	X	5.797	%45
6	A1	Z	-3.347	%45
7	A1	X	5.797	%45
8	A1	Z	-3.347	%45
9	A2	X	201.719	%25
10	A2	Z	-116.463	%25
11	A2	X	201.719	%75
12	A2	Z	-116.463	%75
13	A2	X	3.87	%50
14	A2	Z	-2.234	%50
15	A2	X	3.87	%50
16	A2	Z	-2.234	%50
17	A2	X	35.722	%25
18	A2	Z	-20.624	%25
19	A2	X	35.722	%25
20	A2	Z	-20.624	%25
21	A2	X	30.463	%25
22	A2	Z	-17.588	%25
23	A2	X	30.463	%25
24	A2	Z	-17.588	%25
25	A3	X	93.005	%25
26	A3	Z	-53.696	%25
27	A3	X	93.005	%75
28	A3	Z	-53.696	%75
29	A3	X	17.792	%45
30	A3	Z	-10.272	%45
31	A3	X	17.792	%45
32	A3	Z	-10.272	%45
33	B1	X	116.341	%5
34	B1	Z	-67.169	%5
35	B1	X	116.341	%95
36	B1	Z	-67.169	%95
37	B1	X	5.797	%45
38	B1	Z	-3.347	%45
39	B1	X	5.797	%45
40	B1	Z	-3.347	%45
41	B2	X	201.719	%25
42	B2	Z	-116.463	%25

Member Point Loads (BLC 13 : No Ice Wind 330 deg) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
43	B2	X	201.719	%75
44	B2	Z	-116.463	%75
45	B2	X	3.87	%50
46	B2	Z	-2.234	%50
47	B2	X	3.87	%50
48	B2	Z	-2.234	%50
49	B2	X	35.722	%25
50	B2	Z	-20.624	%25
51	B2	X	35.722	%25
52	B2	Z	-20.624	%25
53	B2	X	30.463	%25
54	B2	Z	-17.588	%25
55	B2	X	30.463	%25
56	B2	Z	-17.588	%25
57	B3	X	93.005	%25
58	B3	Z	-53.696	%25
59	B3	X	93.005	%75
60	B3	Z	-53.696	%75
61	B3	X	17.792	%45
62	B3	Z	-10.272	%45
63	B3	X	17.792	%45
64	B3	Z	-10.272	%45
65	C1	X	90.46	%5
66	C1	Z	-52.227	%5
67	C1	X	90.46	%95
68	C1	Z	-52.227	%95
69	C1	X	2.986	%45
70	C1	Z	-1.724	%45
71	C1	X	2.986	%45
72	C1	Z	-1.724	%45
73	C2	X	147.745	%25
74	C2	Z	-85.3	%25
75	C2	X	147.745	%75
76	C2	Z	-85.3	%75
77	C2	X	1.902	%50
78	C2	Z	-1.098	%50
79	C2	X	1.902	%50
80	C2	Z	-1.098	%50
81	C2	X	30.353	%25
82	C2	Z	-17.524	%25
83	C2	X	30.353	%25
84	C2	Z	-17.524	%25
85	C2	X	15.744	%25
86	C2	Z	-9.09	%25
87	C2	X	15.744	%25
88	C2	Z	-9.09	%25
89	C3	X	46.371	%25
90	C3	Z	-26.772	%25
91	C3	X	46.371	%75
92	C3	Z	-26.772	%75
93	C3	X	7.821	%45
94	C3	Z	-4.515	%45
95	C3	X	7.821	%45
96	C3	Z	-4.515	%45

Member Point Loads (BLC 14 : Ice Weight)

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

Member Point Loads (BLC 14 : Ice Weight) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Y	-67.107	%5
2	A1	Y	-67.107	%95
3	A1	Y	-5.463	%45
4	A1	Y	-5.463	%45
5	A2	Y	-96.561	%25
6	A2	Y	-96.561	%75
7	A2	Y	-4.52	%50
8	A2	Y	-4.52	%50
9	A2	Y	-29.483	%25
10	A2	Y	-29.483	%25
11	A2	Y	-21.648	%25
12	A2	Y	-21.648	%25
13	A3	Y	-56.077	%25
14	A3	Y	-56.077	%75
15	A3	Y	-13.122	%45
16	A3	Y	-13.122	%45
17	B1	Y	-67.107	%5
18	B1	Y	-67.107	%95
19	B1	Y	-5.463	%45
20	B1	Y	-5.463	%45
21	B2	Y	-96.561	%25
22	B2	Y	-96.561	%75
23	B2	Y	-4.52	%50
24	B2	Y	-4.52	%50
25	B2	Y	-29.483	%25
26	B2	Y	-29.483	%25
27	B2	Y	-21.648	%25
28	B2	Y	-21.648	%25
29	B3	Y	-56.077	%25
30	B3	Y	-56.077	%75
31	B3	Y	-13.122	%45
32	B3	Y	-13.122	%45
33	C1	Y	-67.107	%5
34	C1	Y	-67.107	%95
35	C1	Y	-5.463	%45
36	C1	Y	-5.463	%45
37	C2	Y	-96.561	%25
38	C2	Y	-96.561	%75
39	C2	Y	-4.52	%50
40	C2	Y	-4.52	%50
41	C2	Y	-29.483	%25
42	C2	Y	-29.483	%25
43	C2	Y	-21.648	%25
44	C2	Y	-21.648	%25
45	C3	Y	-56.077	%25
46	C3	Y	-56.077	%75
47	C3	Y	-13.122	%45
48	C3	Y	-13.122	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	22.036	%5
2	A1	X	22.036	%95
3	A1	X	1.66	%45
4	A1	X	1.66	%45
5	A2	X	38.108	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	A2	X	38.108	%75
7	A2	X	1.238	%50
8	A2	X	1.238	%50
9	A2	X	7.164	%25
10	A2	X	7.164	%25
11	A2	X	6.787	%25
12	A2	X	6.787	%25
13	A3	X	19.13	%25
14	A3	X	19.13	%75
15	A3	X	4.294	%45
16	A3	X	4.294	%45
17	B1	X	17.81	%5
18	B1	X	17.81	%95
19	B1	X	1.122	%45
20	B1	X	1.122	%45
21	B2	X	29.446	%25
22	B2	X	29.446	%75
23	B2	X	.814	%50
24	B2	X	.814	%50
25	B2	X	6.253	%25
26	B2	X	6.253	%25
27	B2	X	4.251	%25
28	B2	X	4.251	%25
29	B3	X	11.389	%25
30	B3	X	11.389	%75
31	B3	X	2.517	%45
32	B3	X	2.517	%45
33	C1	X	17.81	%5
34	C1	X	17.81	%95
35	C1	X	1.122	%45
36	C1	X	1.122	%45
37	C2	X	29.446	%25
38	C2	X	29.446	%75
39	C2	X	.814	%50
40	C2	X	.814	%50
41	C2	X	6.253	%25
42	C2	X	6.253	%25
43	C2	X	4.251	%25
44	C2	X	4.251	%25
45	C3	X	11.389	%25
46	C3	X	11.389	%75
47	C3	X	2.517	%45
48	C3	X	2.517	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	17.863	%5
2	A1	Z	10.313	%5
3	A1	X	17.863	%95
4	A1	Z	10.313	%95
5	A1	X	1.283	%45
6	A1	Z	.74	%45
7	A1	X	1.283	%45
8	A1	Z	.74	%45
9	A2	X	30.502	%25
10	A2	Z	17.61	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	A2	X	30.502	%75
12	A2	Z	17.61	%75
13	A2	X	.95	%50
14	A2	Z	.548	%50
15	A2	X	.95	%50
16	A2	Z	.548	%50
17	A2	X	5.941	%25
18	A2	Z	3.43	%25
19	A2	X	5.941	%25
20	A2	Z	3.43	%25
21	A2	X	5.146	%25
22	A2	Z	2.971	%25
23	A2	X	5.146	%25
24	A2	Z	2.971	%25
25	A3	X	14.333	%25
26	A3	Z	8.275	%25
27	A3	X	14.333	%75
28	A3	Z	8.275	%75
29	A3	X	3.206	%45
30	A3	Z	1.851	%45
31	A3	X	3.206	%45
32	A3	Z	1.851	%45
33	B1	X	14.204	%5
34	B1	Z	8.201	%5
35	B1	X	14.204	%95
36	B1	Z	8.201	%95
37	B1	X	.816	%45
38	B1	Z	.471	%45
39	B1	X	.816	%45
40	B1	Z	.471	%45
41	B2	X	23	%25
42	B2	Z	13.279	%25
43	B2	X	23	%75
44	B2	Z	13.279	%75
45	B2	X	.583	%50
46	B2	Z	.337	%50
47	B2	X	.583	%50
48	B2	Z	.337	%50
49	B2	X	5.153	%25
50	B2	Z	2.975	%25
51	B2	X	5.153	%25
52	B2	Z	2.975	%25
53	B2	X	2.949	%25
54	B2	Z	1.703	%25
55	B2	X	2.949	%25
56	B2	Z	1.703	%25
57	B3	X	7.628	%25
58	B3	Z	4.404	%25
59	B3	X	7.628	%75
60	B3	Z	4.404	%75
61	B3	X	1.667	%45
62	B3	Z	.962	%45
63	B3	X	1.667	%45
64	B3	Z	.962	%45
65	C1	X	17.863	%5
66	C1	Z	10.313	%5
67	C1	X	17.863	%95

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	C1	Z	10.313	%95
69	C1	X	1.283	%45
70	C1	Z	.74	%45
71	C1	X	1.283	%45
72	C1	Z	.74	%45
73	C2	X	30.502	%25
74	C2	Z	17.61	%25
75	C2	X	30.502	%75
76	C2	Z	17.61	%75
77	C2	X	.95	%50
78	C2	Z	.548	%50
79	C2	X	.95	%50
80	C2	Z	.548	%50
81	C2	X	5.941	%25
82	C2	Z	3.43	%25
83	C2	X	5.941	%25
84	C2	Z	3.43	%25
85	C2	X	5.146	%25
86	C2	Z	2.971	%25
87	C2	X	5.146	%25
88	C2	Z	2.971	%25
89	C3	X	14.333	%25
90	C3	Z	8.275	%25
91	C3	X	14.333	%75
92	C3	Z	8.275	%75
93	C3	X	3.206	%45
94	C3	Z	1.851	%45
95	C3	X	3.206	%45
96	C3	Z	1.851	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	8.905	%5
2	A1	Z	15.424	%5
3	A1	X	8.905	%95
4	A1	Z	15.424	%95
5	A1	X	.561	%45
6	A1	Z	.972	%45
7	A1	X	.561	%45
8	A1	Z	.972	%45
9	A2	X	14.723	%25
10	A2	Z	25.501	%25
11	A2	X	14.723	%75
12	A2	Z	25.501	%75
13	A2	X	.407	%50
14	A2	Z	.705	%50
15	A2	X	.407	%50
16	A2	Z	.705	%50
17	A2	X	3.127	%25
18	A2	Z	5.416	%25
19	A2	X	3.127	%25
20	A2	Z	5.416	%25
21	A2	X	2.126	%25
22	A2	Z	3.682	%25
23	A2	X	2.126	%25
24	A2	Z	3.682	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	A3	X	5.694	%25
26	A3	Z	9.863	%25
27	A3	X	5.694	%75
28	A3	Z	9.863	%75
29	A3	X	1.259	%45
30	A3	Z	2.18	%45
31	A3	X	1.259	%45
32	A3	Z	2.18	%45
33	B1	X	8.905	%5
34	B1	Z	15.424	%5
35	B1	X	8.905	%95
36	B1	Z	15.424	%95
37	B1	X	.561	%45
38	B1	Z	.972	%45
39	B1	X	.561	%45
40	B1	Z	.972	%45
41	B2	X	14.723	%25
42	B2	Z	25.501	%25
43	B2	X	14.723	%75
44	B2	Z	25.501	%75
45	B2	X	.407	%50
46	B2	Z	.705	%50
47	B2	X	.407	%50
48	B2	Z	.705	%50
49	B2	X	3.127	%25
50	B2	Z	5.416	%25
51	B2	X	3.127	%25
52	B2	Z	5.416	%25
53	B2	X	2.126	%25
54	B2	Z	3.682	%25
55	B2	X	2.126	%25
56	B2	Z	3.682	%25
57	B3	X	5.694	%25
58	B3	Z	9.863	%25
59	B3	X	5.694	%75
60	B3	Z	9.863	%75
61	B3	X	1.259	%45
62	B3	Z	2.18	%45
63	B3	X	1.259	%45
64	B3	Z	2.18	%45
65	C1	X	11.018	%5
66	C1	Z	19.083	%5
67	C1	X	11.018	%95
68	C1	Z	19.083	%95
69	C1	X	.83	%45
70	C1	Z	1.438	%45
71	C1	X	.83	%45
72	C1	Z	1.438	%45
73	C2	X	19.054	%25
74	C2	Z	33.002	%25
75	C2	X	19.054	%75
76	C2	Z	33.002	%75
77	C2	X	.619	%50
78	C2	Z	1.072	%50
79	C2	X	.619	%50
80	C2	Z	1.072	%50
81	C2	X	3.582	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	C2	Z	6.204	%25
83	C2	X	3.582	%25
84	C2	Z	6.204	%25
85	C2	X	3.394	%25
86	C2	Z	5.878	%25
87	C2	X	3.394	%25
88	C2	Z	5.878	%25
89	C3	X	9.565	%25
90	C3	Z	16.567	%25
91	C3	X	9.565	%75
92	C3	Z	16.567	%75
93	C3	X	2.147	%45
94	C3	Z	3.719	%45
95	C3	X	2.147	%45
96	C3	Z	3.719	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Z	16.401	%5
2	A1	Z	16.401	%95
3	A1	Z	.942	%45
4	A1	Z	.942	%45
5	A2	Z	26.558	%25
6	A2	Z	26.558	%75
7	A2	Z	.673	%50
8	A2	Z	.673	%50
9	A2	Z	5.95	%25
10	A2	Z	5.95	%25
11	A2	Z	3.406	%25
12	A2	Z	3.406	%25
13	A3	Z	8.808	%25
14	A3	Z	8.808	%75
15	A3	Z	1.925	%45
16	A3	Z	1.925	%45
17	B1	Z	20.627	%5
18	B1	Z	20.627	%95
19	B1	Z	1.481	%45
20	B1	Z	1.481	%45
21	B2	Z	35.221	%25
22	B2	Z	35.221	%75
23	B2	Z	1.097	%50
24	B2	Z	1.097	%50
25	B2	Z	6.861	%25
26	B2	Z	6.861	%25
27	B2	Z	5.942	%25
28	B2	Z	5.942	%25
29	B3	Z	16.55	%25
30	B3	Z	16.55	%75
31	B3	Z	3.702	%45
32	B3	Z	3.702	%45
33	C1	Z	20.627	%5
34	C1	Z	20.627	%95
35	C1	Z	1.481	%45
36	C1	Z	1.481	%45
37	C2	Z	35.221	%25
38	C2	Z	35.221	%75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
39	C2	Z	1.097	%50
40	C2	Z	1.097	%50
41	C2	Z	6.861	%25
42	C2	Z	6.861	%25
43	C2	Z	5.942	%25
44	C2	Z	5.942	%25
45	C3	Z	16.55	%25
46	C3	Z	16.55	%75
47	C3	Z	3.702	%45
48	C3	Z	3.702	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-8.905	%5
2	A1	Z	15.424	%5
3	A1	X	-8.905	%95
4	A1	Z	15.424	%95
5	A1	X	-.561	%45
6	A1	Z	.972	%45
7	A1	X	-.561	%45
8	A1	Z	.972	%45
9	A2	X	-14.723	%25
10	A2	Z	25.501	%25
11	A2	X	-14.723	%75
12	A2	Z	25.501	%75
13	A2	X	-.407	%50
14	A2	Z	.705	%50
15	A2	X	-.407	%50
16	A2	Z	.705	%50
17	A2	X	-3.127	%25
18	A2	Z	5.416	%25
19	A2	X	-3.127	%25
20	A2	Z	5.416	%25
21	A2	X	-2.126	%25
22	A2	Z	3.682	%25
23	A2	X	-2.126	%25
24	A2	Z	3.682	%25
25	A3	X	-5.694	%25
26	A3	Z	9.863	%25
27	A3	X	-5.694	%75
28	A3	Z	9.863	%75
29	A3	X	-1.259	%45
30	A3	Z	2.18	%45
31	A3	X	-1.259	%45
32	A3	Z	2.18	%45
33	B1	X	-11.018	%5
34	B1	Z	19.083	%5
35	B1	X	-11.018	%95
36	B1	Z	19.083	%95
37	B1	X	-.83	%45
38	B1	Z	1.438	%45
39	B1	X	-.83	%45
40	B1	Z	1.438	%45
41	B2	X	-19.054	%25
42	B2	Z	33.002	%25
43	B2	X	-19.054	%75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
44	B2	Z	33.002	%75
45	B2	X	-.619	%50
46	B2	Z	1.072	%50
47	B2	X	-.619	%50
48	B2	Z	1.072	%50
49	B2	X	-3.582	%25
50	B2	Z	6.204	%25
51	B2	X	-3.582	%25
52	B2	Z	6.204	%25
53	B2	X	-3.394	%25
54	B2	Z	5.878	%25
55	B2	X	-3.394	%25
56	B2	Z	5.878	%25
57	B3	X	-9.565	%25
58	B3	Z	16.567	%25
59	B3	X	-9.565	%75
60	B3	Z	16.567	%75
61	B3	X	-2.147	%45
62	B3	Z	3.719	%45
63	B3	X	-2.147	%45
64	B3	Z	3.719	%45
65	C1	X	-8.905	%5
66	C1	Z	15.424	%5
67	C1	X	-8.905	%95
68	C1	Z	15.424	%95
69	C1	X	-.561	%45
70	C1	Z	.972	%45
71	C1	X	-.561	%45
72	C1	Z	.972	%45
73	C2	X	-14.723	%25
74	C2	Z	25.501	%25
75	C2	X	-14.723	%75
76	C2	Z	25.501	%75
77	C2	X	-.407	%50
78	C2	Z	.705	%50
79	C2	X	-.407	%50
80	C2	Z	.705	%50
81	C2	X	-3.127	%25
82	C2	Z	5.416	%25
83	C2	X	-3.127	%25
84	C2	Z	5.416	%25
85	C2	X	-2.126	%25
86	C2	Z	3.682	%25
87	C2	X	-2.126	%25
88	C2	Z	3.682	%25
89	C3	X	-5.694	%25
90	C3	Z	9.863	%25
91	C3	X	-5.694	%75
92	C3	Z	9.863	%75
93	C3	X	-1.259	%45
94	C3	Z	2.18	%45
95	C3	X	-1.259	%45
96	C3	Z	2.18	%45

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-17.863	%5
2	A1	Z	10.313	%5
3	A1	X	-17.863	%95
4	A1	Z	10.313	%95
5	A1	X	-1.283	%45
6	A1	Z	.74	%45
7	A1	X	-1.283	%45
8	A1	Z	.74	%45
9	A2	X	-30.502	%25
10	A2	Z	17.61	%25
11	A2	X	-30.502	%75
12	A2	Z	17.61	%75
13	A2	X	-.95	%50
14	A2	Z	.548	%50
15	A2	X	-.95	%50
16	A2	Z	.548	%50
17	A2	X	-5.941	%25
18	A2	Z	3.43	%25
19	A2	X	-5.941	%25
20	A2	Z	3.43	%25
21	A2	X	-5.146	%25
22	A2	Z	2.971	%25
23	A2	X	-5.146	%25
24	A2	Z	2.971	%25
25	A3	X	-14.333	%25
26	A3	Z	8.275	%25
27	A3	X	-14.333	%75
28	A3	Z	8.275	%75
29	A3	X	-3.206	%45
30	A3	Z	1.851	%45
31	A3	X	-3.206	%45
32	A3	Z	1.851	%45
33	B1	X	-17.863	%5
34	B1	Z	10.313	%5
35	B1	X	-17.863	%95
36	B1	Z	10.313	%95
37	B1	X	-1.283	%45
38	B1	Z	.74	%45
39	B1	X	-1.283	%45
40	B1	Z	.74	%45
41	B2	X	-30.502	%25
42	B2	Z	17.61	%25
43	B2	X	-30.502	%75
44	B2	Z	17.61	%75
45	B2	X	-.95	%50
46	B2	Z	.548	%50
47	B2	X	-.95	%50
48	B2	Z	.548	%50
49	B2	X	-5.941	%25
50	B2	Z	3.43	%25
51	B2	X	-5.941	%25
52	B2	Z	3.43	%25
53	B2	X	-5.146	%25
54	B2	Z	2.971	%25
55	B2	X	-5.146	%25
56	B2	Z	2.971	%25
57	B3	X	-14.333	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	B3	Z	8.275	%25
59	B3	X	-14.333	%75
60	B3	Z	8.275	%75
61	B3	X	-3.206	%45
62	B3	Z	1.851	%45
63	B3	X	-3.206	%45
64	B3	Z	1.851	%45
65	C1	X	-14.204	%5
66	C1	Z	8.201	%5
67	C1	X	-14.204	%95
68	C1	Z	8.201	%95
69	C1	X	-.816	%45
70	C1	Z	.471	%45
71	C1	X	-.816	%45
72	C1	Z	.471	%45
73	C2	X	-23	%25
74	C2	Z	13.279	%25
75	C2	X	-23	%75
76	C2	Z	13.279	%75
77	C2	X	-.583	%50
78	C2	Z	.337	%50
79	C2	X	-.583	%50
80	C2	Z	.337	%50
81	C2	X	-5.153	%25
82	C2	Z	2.975	%25
83	C2	X	-5.153	%25
84	C2	Z	2.975	%25
85	C2	X	-2.949	%25
86	C2	Z	1.703	%25
87	C2	X	-2.949	%25
88	C2	Z	1.703	%25
89	C3	X	-7.628	%25
90	C3	Z	4.404	%25
91	C3	X	-7.628	%75
92	C3	Z	4.404	%75
93	C3	X	-1.667	%45
94	C3	Z	.962	%45
95	C3	X	-1.667	%45
96	C3	Z	.962	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-22.036	%5
2	A1	X	-22.036	%95
3	A1	X	-1.66	%45
4	A1	X	-1.66	%45
5	A2	X	-38.108	%25
6	A2	X	-38.108	%75
7	A2	X	-1.238	%50
8	A2	X	-1.238	%50
9	A2	X	-7.164	%25
10	A2	X	-7.164	%25
11	A2	X	-6.787	%25
12	A2	X	-6.787	%25
13	A3	X	-19.13	%25
14	A3	X	-19.13	%75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	A3	X	-4.294	%45
16	A3	X	-4.294	%45
17	B1	X	-17.81	%5
18	B1	X	-17.81	%95
19	B1	X	-1.122	%45
20	B1	X	-1.122	%45
21	B2	X	-29.446	%25
22	B2	X	-29.446	%75
23	B2	X	-.814	%50
24	B2	X	-.814	%50
25	B2	X	-6.253	%25
26	B2	X	-6.253	%25
27	B2	X	-4.251	%25
28	B2	X	-4.251	%25
29	B3	X	-11.389	%25
30	B3	X	-11.389	%75
31	B3	X	-2.517	%45
32	B3	X	-2.517	%45
33	C1	X	-17.81	%5
34	C1	X	-17.81	%95
35	C1	X	-1.122	%45
36	C1	X	-1.122	%45
37	C2	X	-29.446	%25
38	C2	X	-29.446	%75
39	C2	X	-.814	%50
40	C2	X	-.814	%50
41	C2	X	-6.253	%25
42	C2	X	-6.253	%25
43	C2	X	-4.251	%25
44	C2	X	-4.251	%25
45	C3	X	-11.389	%25
46	C3	X	-11.389	%75
47	C3	X	-2.517	%45
48	C3	X	-2.517	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-17.863	%5
2	A1	Z	-10.313	%5
3	A1	X	-17.863	%95
4	A1	Z	-10.313	%95
5	A1	X	-1.283	%45
6	A1	Z	-.74	%45
7	A1	X	-1.283	%45
8	A1	Z	-.74	%45
9	A2	X	-30.502	%25
10	A2	Z	-17.61	%25
11	A2	X	-30.502	%75
12	A2	Z	-17.61	%75
13	A2	X	-.95	%50
14	A2	Z	-.548	%50
15	A2	X	-.95	%50
16	A2	Z	-.548	%50
17	A2	X	-5.941	%25
18	A2	Z	-3.43	%25
19	A2	X	-5.941	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
20	A2	Z	-3.43	%25
21	A2	X	-5.146	%25
22	A2	Z	-2.971	%25
23	A2	X	-5.146	%25
24	A2	Z	-2.971	%25
25	A3	X	-14.333	%25
26	A3	Z	-8.275	%25
27	A3	X	-14.333	%75
28	A3	Z	-8.275	%75
29	A3	X	-3.206	%45
30	A3	Z	-1.851	%45
31	A3	X	-3.206	%45
32	A3	Z	-1.851	%45
33	B1	X	-14.204	%5
34	B1	Z	-8.201	%5
35	B1	X	-14.204	%95
36	B1	Z	-8.201	%95
37	B1	X	-.816	%45
38	B1	Z	-.471	%45
39	B1	X	-.816	%45
40	B1	Z	-.471	%45
41	B2	X	-23	%25
42	B2	Z	-13.279	%25
43	B2	X	-23	%75
44	B2	Z	-13.279	%75
45	B2	X	-.583	%50
46	B2	Z	-.337	%50
47	B2	X	-.583	%50
48	B2	Z	-.337	%50
49	B2	X	-5.153	%25
50	B2	Z	-2.975	%25
51	B2	X	-5.153	%25
52	B2	Z	-2.975	%25
53	B2	X	-2.949	%25
54	B2	Z	-1.703	%25
55	B2	X	-2.949	%25
56	B2	Z	-1.703	%25
57	B3	X	-7.628	%25
58	B3	Z	-4.404	%25
59	B3	X	-7.628	%75
60	B3	Z	-4.404	%75
61	B3	X	-1.667	%45
62	B3	Z	-.962	%45
63	B3	X	-1.667	%45
64	B3	Z	-.962	%45
65	C1	X	-17.863	%5
66	C1	Z	-10.313	%5
67	C1	X	-17.863	%95
68	C1	Z	-10.313	%95
69	C1	X	-1.283	%45
70	C1	Z	-.74	%45
71	C1	X	-1.283	%45
72	C1	Z	-.74	%45
73	C2	X	-30.502	%25
74	C2	Z	-17.61	%25
75	C2	X	-30.502	%75
76	C2	Z	-17.61	%75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	C2	X	-.95	%50
78	C2	Z	-.548	%50
79	C2	X	-.95	%50
80	C2	Z	-.548	%50
81	C2	X	-5.941	%25
82	C2	Z	-3.43	%25
83	C2	X	-5.941	%25
84	C2	Z	-3.43	%25
85	C2	X	-5.146	%25
86	C2	Z	-2.971	%25
87	C2	X	-5.146	%25
88	C2	Z	-2.971	%25
89	C3	X	-14.333	%25
90	C3	Z	-8.275	%25
91	C3	X	-14.333	%75
92	C3	Z	-8.275	%75
93	C3	X	-3.206	%45
94	C3	Z	-1.851	%45
95	C3	X	-3.206	%45
96	C3	Z	-1.851	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	-8.905	%5
2	A1	Z	-15.424	%5
3	A1	X	-8.905	%95
4	A1	Z	-15.424	%95
5	A1	X	-.561	%45
6	A1	Z	-.972	%45
7	A1	X	-.561	%45
8	A1	Z	-.972	%45
9	A2	X	-14.723	%25
10	A2	Z	-25.501	%25
11	A2	X	-14.723	%75
12	A2	Z	-25.501	%75
13	A2	X	-.407	%50
14	A2	Z	-.705	%50
15	A2	X	-.407	%50
16	A2	Z	-.705	%50
17	A2	X	-3.127	%25
18	A2	Z	-5.416	%25
19	A2	X	-3.127	%25
20	A2	Z	-5.416	%25
21	A2	X	-2.126	%25
22	A2	Z	-3.682	%25
23	A2	X	-2.126	%25
24	A2	Z	-3.682	%25
25	A3	X	-5.694	%25
26	A3	Z	-9.863	%25
27	A3	X	-5.694	%75
28	A3	Z	-9.863	%75
29	A3	X	-1.259	%45
30	A3	Z	-2.18	%45
31	A3	X	-1.259	%45
32	A3	Z	-2.18	%45
33	B1	X	-8.905	%5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
34	B1	Z	-15.424	%5
35	B1	X	-8.905	%95
36	B1	Z	-15.424	%95
37	B1	X	-.561	%45
38	B1	Z	-.972	%45
39	B1	X	-.561	%45
40	B1	Z	-.972	%45
41	B2	X	-14.723	%25
42	B2	Z	-25.501	%25
43	B2	X	-14.723	%75
44	B2	Z	-25.501	%75
45	B2	X	-.407	%50
46	B2	Z	-.705	%50
47	B2	X	-.407	%50
48	B2	Z	-.705	%50
49	B2	X	-3.127	%25
50	B2	Z	-5.416	%25
51	B2	X	-3.127	%25
52	B2	Z	-5.416	%25
53	B2	X	-2.126	%25
54	B2	Z	-3.682	%25
55	B2	X	-2.126	%25
56	B2	Z	-3.682	%25
57	B3	X	-5.694	%25
58	B3	Z	-9.863	%25
59	B3	X	-5.694	%75
60	B3	Z	-9.863	%75
61	B3	X	-1.259	%45
62	B3	Z	-2.18	%45
63	B3	X	-1.259	%45
64	B3	Z	-2.18	%45
65	C1	X	-11.018	%5
66	C1	Z	-19.083	%5
67	C1	X	-11.018	%95
68	C1	Z	-19.083	%95
69	C1	X	-.83	%45
70	C1	Z	-1.438	%45
71	C1	X	-.83	%45
72	C1	Z	-1.438	%45
73	C2	X	-19.054	%25
74	C2	Z	-33.002	%25
75	C2	X	-19.054	%75
76	C2	Z	-33.002	%75
77	C2	X	-.619	%50
78	C2	Z	-1.072	%50
79	C2	X	-.619	%50
80	C2	Z	-1.072	%50
81	C2	X	-3.582	%25
82	C2	Z	-6.204	%25
83	C2	X	-3.582	%25
84	C2	Z	-6.204	%25
85	C2	X	-3.394	%25
86	C2	Z	-5.878	%25
87	C2	X	-3.394	%25
88	C2	Z	-5.878	%25
89	C3	X	-9.565	%25
90	C3	Z	-16.567	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
91	C3	X	-9.565	%75
92	C3	Z	-16.567	%75
93	C3	X	-2.147	%45
94	C3	Z	-3.719	%45
95	C3	X	-2.147	%45
96	C3	Z	-3.719	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Z	-16.401	%5
2	A1	Z	-16.401	%95
3	A1	Z	-.942	%45
4	A1	Z	-.942	%45
5	A2	Z	-26.558	%25
6	A2	Z	-26.558	%75
7	A2	Z	-.673	%50
8	A2	Z	-.673	%50
9	A2	Z	-5.95	%25
10	A2	Z	-5.95	%25
11	A2	Z	-3.406	%25
12	A2	Z	-3.406	%25
13	A3	Z	-8.808	%25
14	A3	Z	-8.808	%75
15	A3	Z	-1.925	%45
16	A3	Z	-1.925	%45
17	B1	Z	-20.627	%5
18	B1	Z	-20.627	%95
19	B1	Z	-1.481	%45
20	B1	Z	-1.481	%45
21	B2	Z	-35.221	%25
22	B2	Z	-35.221	%75
23	B2	Z	-1.097	%50
24	B2	Z	-1.097	%50
25	B2	Z	-6.861	%25
26	B2	Z	-6.861	%25
27	B2	Z	-5.942	%25
28	B2	Z	-5.942	%25
29	B3	Z	-16.55	%25
30	B3	Z	-16.55	%75
31	B3	Z	-3.702	%45
32	B3	Z	-3.702	%45
33	C1	Z	-20.627	%5
34	C1	Z	-20.627	%95
35	C1	Z	-1.481	%45
36	C1	Z	-1.481	%45
37	C2	Z	-35.221	%25
38	C2	Z	-35.221	%75
39	C2	Z	-1.097	%50
40	C2	Z	-1.097	%50
41	C2	Z	-6.861	%25
42	C2	Z	-6.861	%25
43	C2	Z	-5.942	%25
44	C2	Z	-5.942	%25
45	C3	Z	-16.55	%25
46	C3	Z	-16.55	%75
47	C3	Z	-3.702	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
48	C3	Z	-3.702	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	8.905	%5
2	A1	Z	-15.424	%5
3	A1	X	8.905	%95
4	A1	Z	-15.424	%95
5	A1	X	.561	%45
6	A1	Z	-.972	%45
7	A1	X	.561	%45
8	A1	Z	-.972	%45
9	A2	X	14.723	%25
10	A2	Z	-25.501	%25
11	A2	X	14.723	%75
12	A2	Z	-25.501	%75
13	A2	X	.407	%50
14	A2	Z	-.705	%50
15	A2	X	.407	%50
16	A2	Z	-.705	%50
17	A2	X	3.127	%25
18	A2	Z	-5.416	%25
19	A2	X	3.127	%25
20	A2	Z	-5.416	%25
21	A2	X	2.126	%25
22	A2	Z	-3.682	%25
23	A2	X	2.126	%25
24	A2	Z	-3.682	%25
25	A3	X	5.694	%25
26	A3	Z	-9.863	%25
27	A3	X	5.694	%75
28	A3	Z	-9.863	%75
29	A3	X	1.259	%45
30	A3	Z	-2.18	%45
31	A3	X	1.259	%45
32	A3	Z	-2.18	%45
33	B1	X	11.018	%5
34	B1	Z	-19.083	%5
35	B1	X	11.018	%95
36	B1	Z	-19.083	%95
37	B1	X	.83	%45
38	B1	Z	-1.438	%45
39	B1	X	.83	%45
40	B1	Z	-1.438	%45
41	B2	X	19.054	%25
42	B2	Z	-33.002	%25
43	B2	X	19.054	%75
44	B2	Z	-33.002	%75
45	B2	X	.619	%50
46	B2	Z	-1.072	%50
47	B2	X	.619	%50
48	B2	Z	-1.072	%50
49	B2	X	3.582	%25
50	B2	Z	-6.204	%25
51	B2	X	3.582	%25
52	B2	Z	-6.204	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	B2	X	3.394	%25
54	B2	Z	-5.878	%25
55	B2	X	3.394	%25
56	B2	Z	-5.878	%25
57	B3	X	9.565	%25
58	B3	Z	-16.567	%25
59	B3	X	9.565	%75
60	B3	Z	-16.567	%75
61	B3	X	2.147	%45
62	B3	Z	-3.719	%45
63	B3	X	2.147	%45
64	B3	Z	-3.719	%45
65	C1	X	8.905	%5
66	C1	Z	-15.424	%5
67	C1	X	8.905	%95
68	C1	Z	-15.424	%95
69	C1	X	.561	%45
70	C1	Z	-.972	%45
71	C1	X	.561	%45
72	C1	Z	-.972	%45
73	C2	X	14.723	%25
74	C2	Z	-25.501	%25
75	C2	X	14.723	%75
76	C2	Z	-25.501	%75
77	C2	X	.407	%50
78	C2	Z	-.705	%50
79	C2	X	.407	%50
80	C2	Z	-.705	%50
81	C2	X	3.127	%25
82	C2	Z	-5.416	%25
83	C2	X	3.127	%25
84	C2	Z	-5.416	%25
85	C2	X	2.126	%25
86	C2	Z	-3.682	%25
87	C2	X	2.126	%25
88	C2	Z	-3.682	%25
89	C3	X	5.694	%25
90	C3	Z	-9.863	%25
91	C3	X	5.694	%75
92	C3	Z	-9.863	%75
93	C3	X	1.259	%45
94	C3	Z	-2.18	%45
95	C3	X	1.259	%45
96	C3	Z	-2.18	%45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	X	17.863	%5
2	A1	Z	-10.313	%5
3	A1	X	17.863	%95
4	A1	Z	-10.313	%95
5	A1	X	1.283	%45
6	A1	Z	-.74	%45
7	A1	X	1.283	%45
8	A1	Z	-.74	%45
9	A2	X	30.502	%25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	A2	Z	-17.61	%25
11	A2	X	30.502	%75
12	A2	Z	-17.61	%75
13	A2	X	.95	%50
14	A2	Z	-.548	%50
15	A2	X	.95	%50
16	A2	Z	-.548	%50
17	A2	X	5.941	%25
18	A2	Z	-3.43	%25
19	A2	X	5.941	%25
20	A2	Z	-3.43	%25
21	A2	X	5.146	%25
22	A2	Z	-2.971	%25
23	A2	X	5.146	%25
24	A2	Z	-2.971	%25
25	A3	X	14.333	%25
26	A3	Z	-8.275	%25
27	A3	X	14.333	%75
28	A3	Z	-8.275	%75
29	A3	X	3.206	%45
30	A3	Z	-1.851	%45
31	A3	X	3.206	%45
32	A3	Z	-1.851	%45
33	B1	X	17.863	%5
34	B1	Z	-10.313	%5
35	B1	X	17.863	%95
36	B1	Z	-10.313	%95
37	B1	X	1.283	%45
38	B1	Z	-.74	%45
39	B1	X	1.283	%45
40	B1	Z	-.74	%45
41	B2	X	30.502	%25
42	B2	Z	-17.61	%25
43	B2	X	30.502	%75
44	B2	Z	-17.61	%75
45	B2	X	.95	%50
46	B2	Z	-.548	%50
47	B2	X	.95	%50
48	B2	Z	-.548	%50
49	B2	X	5.941	%25
50	B2	Z	-3.43	%25
51	B2	X	5.941	%25
52	B2	Z	-3.43	%25
53	B2	X	5.146	%25
54	B2	Z	-2.971	%25
55	B2	X	5.146	%25
56	B2	Z	-2.971	%25
57	B3	X	14.333	%25
58	B3	Z	-8.275	%25
59	B3	X	14.333	%75
60	B3	Z	-8.275	%75
61	B3	X	3.206	%45
62	B3	Z	-1.851	%45
63	B3	X	3.206	%45
64	B3	Z	-1.851	%45
65	C1	X	14.204	%5
66	C1	Z	-8.201	%5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	C1	X	14.204	%95
68	C1	Z	-8.201	%95
69	C1	X	.816	%45
70	C1	Z	-.471	%45
71	C1	X	.816	%45
72	C1	Z	-.471	%45
73	C2	X	23	%25
74	C2	Z	-13.279	%25
75	C2	X	23	%75
76	C2	Z	-13.279	%75
77	C2	X	.583	%50
78	C2	Z	-.337	%50
79	C2	X	.583	%50
80	C2	Z	-.337	%50
81	C2	X	5.153	%25
82	C2	Z	-2.975	%25
83	C2	X	5.153	%25
84	C2	Z	-2.975	%25
85	C2	X	2.949	%25
86	C2	Z	-1.703	%25
87	C2	X	2.949	%25
88	C2	Z	-1.703	%25
89	C3	X	7.628	%25
90	C3	Z	-4.404	%25
91	C3	X	7.628	%75
92	C3	Z	-4.404	%75
93	C3	X	1.667	%45
94	C3	Z	-.962	%45
95	C3	X	1.667	%45
96	C3	Z	-.962	%45

Member Point Loads (BLC 27 : Live Load - A1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A1	Y	-500	%50

Member Point Loads (BLC 28 : Live Load - A2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A2	Y	-500	%50

Member Point Loads (BLC 29 : Live Load - A3)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	A3	Y	-500	%50

Member Point Loads (BLC 30 : Live Load - B1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	B1	Y	-500	%50

Member Point Loads (BLC 31 : Live Load - B2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	B2	Y	-500	%50

Member Point Loads (BLC 32 : Live Load - B3)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	B3	Y	-500	%50

Member Point Loads (BLC 33 : Live Load - C1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	C1	Y	-500	%50

Member Point Loads (BLC 34 : Live Load - C2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	C2	Y	-500	%50

Member Point Loads (BLC 35 : Live Load - C3)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	C3	Y	-500	%50

Member Point Loads (BLC 36 : Live Load - M1 (Start))

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

Member Point Loads (BLC 37 : Live Load - M1 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 38 : Live Load - M1 (End))

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

Member Point Loads (BLC 39 : Live Load - M2 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M2	Y	-250	0

Member Point Loads (BLC 40 : Live Load - M2 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M2	Y	-250	%50

Member Point Loads (BLC 41 : Live Load - M2 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M2	Y	-250	%100

Member Point Loads (BLC 42 : Live Load - M7 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-250	0

Member Point Loads (BLC 43 : Live Load - M7 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-250	%50

Member Point Loads (BLC 44 : Live Load - M7 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-250	%100

Member Point Loads (BLC 45 : Live Load - M8 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M8	Y	-250	0

Member Point Loads (BLC 46 : Live Load - M8 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M8	Y	-250	%50

Member Point Loads (BLC 47 : Live Load - M8 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M8	Y	-250	%100

Member Point Loads (BLC 48 : Live Load - M13 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M13	Y	-250	0

Member Point Loads (BLC 49 : Live Load - M13 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M13	Y	-250	%50

Member Point Loads (BLC 50 : Live Load - M13 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M13	Y	-250	%100

Member Point Loads (BLC 51 : Live Load - M14 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M14	Y	-250	0

Member Point Loads (BLC 52 : Live Load - M14 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M14	Y	-250	%50

Member Point Loads (BLC 53 : Live Load - M14 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M14	Y	-250	%100

Member Point Loads (BLC 54 : Live Load - M22 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M22	Y	-250	0

Member Point Loads (BLC 55 : Live Load - M22 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M22	Y	-250	%50

Member Point Loads (BLC 56 : Live Load - M22 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M22	Y	-250	%100

Member Point Loads (BLC 57 : Live Load - M25 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M25	Y	-250	0

Member Point Loads (BLC 58 : Live Load - M25 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M25	Y	-250	%50

Member Point Loads (BLC 59 : Live Load - M25 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M25	Y	-250	%100

Member Point Loads (BLC 60 : Live Load - M28 (Start))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M28	Y	-250	0

Member Point Loads (BLC 61 : Live Load - M28 (Middle))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M28	Y	-250	%50

Member Point Loads (BLC 62 : Live Load - M28 (End))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M28	Y	-250	%100

Member Distributed Loads (BLC 2 : No Ice Wind 0 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	10.529	10.529	%95	%100
2	A2	X	10.529	10.529	%99.9	%100
3	A3	X	10.529	10.529	%50	%100
4	B1	X	10.529	10.529	0	0
5	B2	X	10.529	10.529	0	0
6	B3	X	10.529	10.529	0	0
7	C1	X	10.529	10.529	0	0
8	C2	X	10.529	10.529	0	0
9	C3	X	10.529	10.529	0	0
10	M2	X	34.235	34.235	0	0
11	M4	X	21.058	21.058	0	0
12	M6	X	21.058	21.058	0	0
13	M7	X	22.289	22.289	0	0
14	M8	X	17.117	17.117	0	0
15	M10	X	10.529	10.529	0	0
16	M12	X	10.529	10.529	0	0
17	M13	X	22.289	22.289	0	0
18	M14	X	17.117	17.117	0	0
19	M16	X	10.529	10.529	0	0
20	M18	X	10.529	10.529	0	0
21	M19	X	10.529	10.529	0	0
22	M20	X	10.529	10.529	0	0
23	M21	X	21.058	21.058	0	0
24	M22	X	44.333	44.333	0	0
25	M25	X	22.166	22.166	0	0
26	M28	X	22.166	22.166	0	0
27	M31	X	21.058	21.058	0	0
28	M32	X	10.529	10.529	0	0
29	M33	X	10.529	10.529	0	0
30	M37	X	10.529	10.529	0	0
31	M38	X	10.529	10.529	0	0
32	M39	X	21.058	21.058	0	0
33	M43	X	10.529	10.529	0	0
34	M44	X	21.058	21.058	0	0
35	M45	X	10.529	10.529	0	0
36	M70	X	10.529	10.529	0	0
37	M71	X	5.265	5.265	0	0
38	M72A	X	5.265	5.265	0	0

Member Distributed Loads (BLC 2 : No Ice Wind 0 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
39	M82	X	6.496	6.496	0	0
40	M83	X	6.496	6.496	0	0
41	M84	X	12.992	12.992	0	0
42	M97	X	10.529	10.529	0	0
43	M98	X	5.265	5.265	0	0
44	M99	X	5.265	5.265	0	0
45	M109	X	6.496	6.496	0	0
46	M110	X	6.496	6.496	0	0
47	M111	X	12.992	12.992	0	0
48	M112	X	14.285	14.285	0	0
49	M113	X	14.285	14.285	0	0
50	M120A	X	5.265	5.265	0	0
51	M121A	X	5.265	5.265	0	0
52	M122A	X	10.529	10.529	0	0
53	M123A	X	15.725	15.725	0	0
54	M118	X	4.198	4.198	0	0
55	M119	X	4.198	4.198	0	0
56	M120	X	15.725	15.725	0	0
57	M121	X	14.285	14.285	0	0
58	M122	X	14.285	14.285	0	0
59	M123	X	15.725	15.725	0	0
60		X	4.198	4.198	0	0
61		X	4.198	4.198	0	0
62		X	15.725	15.725	0	0

Member Distributed Loads (BLC 3 : No Ice Wind 30 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	7.897	7.897	%95	%100
2	A1	Z	2.632	2.632	%95	%100
3	A2	X	7.897	7.897	%99.9	%100
4	A2	Z	2.632	2.632	%99.9	%100
5	A3	X	7.897	7.897	%50	%100
6	A3	Z	2.632	2.632	%50	%100
7	B1	X	7.897	7.897	0	0
8	B1	Z	2.632	2.632	0	0
9	B2	X	7.897	7.897	0	0
10	B2	Z	2.632	2.632	0	0
11	B3	X	7.897	7.897	0	0
12	B3	Z	2.632	2.632	0	0
13	C1	X	7.897	7.897	%95	%100
14	C1	Z	2.632	2.632	%95	%100
15	C2	X	7.897	7.897	%99.9	%100
16	C2	Z	2.632	2.632	%99.9	%100
17	C3	X	7.897	7.897	%50	%100
18	C3	Z	2.632	2.632	%50	%100
19	M1	X	9.652	9.652	0	0
20	M1	Z	3.217	3.217	0	0
21	M2	X	22.236	22.236	0	0
22	M2	Z	7.412	7.412	0	0
23	M4	X	13.678	13.678	0	0
24	M4	Z	4.559	4.559	0	0
25	M6	X	13.678	13.678	0	0
26	M6	Z	4.559	4.559	0	0
27	M7	X	19.303	19.303	0	0
28	M7	Z	6.434	6.434	0	0
29	M13	X	9.652	9.652	0	0

Member Distributed Loads (BLC 3 : No Ice Wind 30 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
30	M13	Z	3.217	3.217	0	0
31	M14	X	22.236	22.236	0	0
32	M14	Z	7.412	7.412	0	0
33	M16	X	13.678	13.678	0	0
34	M16	Z	4.559	4.559	0	0
35	M18	X	13.678	13.678	0	0
36	M18	Z	4.559	4.559	0	0
37	M20	X	13.678	13.678	0	0
38	M20	Z	4.559	4.559	0	0
39	M21	X	13.678	13.678	0	0
40	M21	Z	4.559	4.559	0	0
41	M22	X	28.795	28.795	0	0
42	M22	Z	9.598	9.598	0	0
43	M25	X	28.795	28.795	0	0
44	M25	Z	9.598	9.598	0	0
45	M31	X	13.678	13.678	0	0
46	M31	Z	4.559	4.559	0	0
47	M33	X	13.678	13.678	0	0
48	M33	Z	4.559	4.559	0	0
49	M38	X	13.678	13.678	0	0
50	M38	Z	4.559	4.559	0	0
51	M39	X	13.678	13.678	0	0
52	M39	Z	4.559	4.559	0	0
53	M43	X	13.678	13.678	0	0
54	M43	Z	4.559	4.559	0	0
55	M44	X	13.678	13.678	0	0
56	M44	Z	4.559	4.559	0	0
57	M70	X	6.839	6.839	0	0
58	M70	Z	2.28	2.28	0	0
59	M71	X	6.839	6.839	0	0
60	M71	Z	2.28	2.28	0	0
61	M83	X	8.439	8.439	0	0
62	M83	Z	2.813	2.813	0	0
63	M84	X	8.439	8.439	0	0
64	M84	Z	2.813	2.813	0	0
65	M97	X	6.839	6.839	0	0
66	M97	Z	2.28	2.28	0	0
67	M98	X	6.839	6.839	0	0
68	M98	Z	2.28	2.28	0	0
69	M110	X	8.439	8.439	0	0
70	M110	Z	2.813	2.813	0	0
71	M111	X	8.439	8.439	0	0
72	M111	Z	2.813	2.813	0	0
73	M112	X	12.882	12.882	0	0
74	M112	Z	4.294	4.294	0	0
75	M113	X	6.064	6.064	0	0
76	M113	Z	2.021	2.021	0	0
77	M121A	X	6.839	6.839	0	0
78	M121A	Z	2.28	2.28	0	0
79	M122A	X	6.839	6.839	0	0
80	M122A	Z	2.28	2.28	0	0
81	M123A	X	7.815	7.815	0	0
82	M123A	Z	2.605	2.605	0	0
83	M118	X	7.815	7.815	0	0
84	M118	Z	2.605	2.605	0	0
85	M119	X	6.064	6.064	0	0
86	M119	Z	2.021	2.021	0	0

Member Distributed Loads (BLC 3 : No Ice Wind 30 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
87	M120	X	12.882	12.882	0	0
88	M120	Z	4.294	4.294	0	0
89	M121	X	12.882	12.882	0	0
90	M121	Z	4.294	4.294	0	0
91	M122	X	6.064	6.064	0	0
92	M122	Z	2.021	2.021	0	0
93	M123	X	7.815	7.815	0	0
94	M123	Z	2.605	2.605	0	0
95		X	7.815	7.815	0	0
96		Z	2.605	2.605	0	0
97		X	6.064	6.064	0	0
98		Z	2.021	2.021	0	0
99		X	12.882	12.882	0	0
100		Z	4.294	4.294	0	0

Member Distributed Loads (BLC 4 : No Ice Wind 60 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	2.632	2.632	0	0
2	A1	Z	7.897	7.897	0	0
3	A2	X	2.632	2.632	0	0
4	A2	Z	7.897	7.897	0	0
5	A3	X	2.632	2.632	0	0
6	A3	Z	7.897	7.897	0	0
7	B1	X	2.632	2.632	0	0
8	B1	Z	7.897	7.897	0	0
9	B2	X	2.632	2.632	0	0
10	B2	Z	7.897	7.897	0	0
11	B3	X	2.632	2.632	0	0
12	B3	Z	7.897	7.897	0	0
13	C1	X	2.632	2.632	%95	%100
14	C1	Z	7.897	7.897	%95	%100
15	C2	X	2.632	2.632	%99.9	%100
16	C2	Z	7.897	7.897	%99.9	%100
17	C3	X	2.632	2.632	%50	%100
18	C3	Z	7.897	7.897	%50	%100
19	M1	X	5.572	5.572	0	0
20	M1	Z	16.717	16.717	0	0
21	M2	X	4.279	4.279	0	0
22	M2	Z	12.838	12.838	0	0
23	M4	X	2.632	2.632	0	0
24	M4	Z	7.897	7.897	0	0
25	M6	X	2.632	2.632	0	0
26	M6	Z	7.897	7.897	0	0
27	M7	X	5.572	5.572	0	0
28	M7	Z	16.717	16.717	0	0
29	M8	X	4.279	4.279	0	0
30	M8	Z	12.838	12.838	0	0
31	M10	X	2.632	2.632	0	0
32	M10	Z	7.897	7.897	0	0
33	M12	X	2.632	2.632	0	0
34	M12	Z	7.897	7.897	0	0
35	M14	X	8.559	8.559	0	0
36	M14	Z	25.676	25.676	0	0
37	M16	X	5.265	5.265	0	0
38	M16	Z	15.794	15.794	0	0
39	M18	X	5.265	5.265	0	0

Member Distributed Loads (BLC 4 : No Ice Wind 60 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
40	M18	Z	15.794	15.794	0	0
41	M19	X	2.632	2.632	0	0
42	M19	Z	7.897	7.897	0	0
43	M20	X	5.265	5.265	0	0
44	M20	Z	15.794	15.794	0	0
45	M21	X	2.632	2.632	0	0
46	M21	Z	7.897	7.897	0	0
47	M22	X	5.542	5.542	0	0
48	M22	Z	16.625	16.625	0	0
49	M25	X	11.083	11.083	0	0
50	M25	Z	33.25	33.25	0	0
51	M28	X	5.542	5.542	0	0
52	M28	Z	16.625	16.625	0	0
53	M31	X	2.632	2.632	0	0
54	M31	Z	7.897	7.897	0	0
55	M32	X	2.632	2.632	0	0
56	M32	Z	7.897	7.897	0	0
57	M33	X	5.265	5.265	0	0
58	M33	Z	15.794	15.794	0	0
59	M37	X	2.632	2.632	0	0
60	M37	Z	7.897	7.897	0	0
61	M38	X	5.265	5.265	0	0
62	M38	Z	15.794	15.794	0	0
63	M39	X	2.632	2.632	0	0
64	M39	Z	7.897	7.897	0	0
65	M43	X	5.265	5.265	0	0
66	M43	Z	15.794	15.794	0	0
67	M44	X	2.632	2.632	0	0
68	M44	Z	7.897	7.897	0	0
69	M45	X	2.632	2.632	0	0
70	M45	Z	7.897	7.897	0	0
71	M70	X	1.316	1.316	0	0
72	M70	Z	3.948	3.948	0	0
73	M71	X	2.632	2.632	0	0
74	M71	Z	7.897	7.897	0	0
75	M72A	X	1.316	1.316	0	0
76	M72A	Z	3.948	3.948	0	0
77	M82	X	1.624	1.624	0	0
78	M82	Z	4.872	4.872	0	0
79	M83	X	3.248	3.248	0	0
80	M83	Z	9.744	9.744	0	0
81	M84	X	1.624	1.624	0	0
82	M84	Z	4.872	4.872	0	0
83	M97	X	1.316	1.316	0	0
84	M97	Z	3.948	3.948	0	0
85	M98	X	2.632	2.632	0	0
86	M98	Z	7.897	7.897	0	0
87	M99	X	1.316	1.316	0	0
88	M99	Z	3.948	3.948	0	0
89	M109	X	1.624	1.624	0	0
90	M109	Z	4.872	4.872	0	0
91	M110	X	3.248	3.248	0	0
92	M110	Z	9.744	9.744	0	0
93	M111	X	1.624	1.624	0	0
94	M111	Z	4.872	4.872	0	0
95	M112	X	3.931	3.931	0	0
96	M112	Z	11.794	11.794	0	0

Member Distributed Loads (BLC 4 : No Ice Wind 60 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
97	M113	X	1.05	1.05	0	0
98	M113	Z	3.149	3.149	0	0
99	M120A	X	1.316	1.316	0	0
100	M120A	Z	3.948	3.948	0	0
101	M121A	X	2.632	2.632	0	0
102	M121A	Z	7.897	7.897	0	0
103	M122A	X	1.316	1.316	0	0
104	M122A	Z	3.948	3.948	0	0
105	M123A	X	1.05	1.05	0	0
106	M123A	Z	3.149	3.149	0	0
107	M118	X	3.931	3.931	0	0
108	M118	Z	11.794	11.794	0	0
109	M119	X	3.571	3.571	0	0
110	M119	Z	10.714	10.714	0	0
111	M120	X	3.571	3.571	0	0
112	M120	Z	10.714	10.714	0	0
113	M121	X	3.931	3.931	0	0
114	M121	Z	11.794	11.794	0	0
115	M122	X	1.05	1.05	0	0
116	M122	Z	3.149	3.149	0	0
117	M123	X	1.05	1.05	0	0
118	M123	Z	3.149	3.149	0	0
119		X	3.931	3.931	0	0
120		Z	11.794	11.794	0	0
121		X	3.571	3.571	0	0
122		Z	10.714	10.714	0	0
123		X	3.571	3.571	0	0
124		Z	10.714	10.714	0	0

Member Distributed Loads (BLC 5 : No Ice Wind 90 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	Z	10.529	10.529	0	0
2	A2	Z	10.529	10.529	0	0
3	A3	Z	10.529	10.529	0	0
4	B1	Z	10.529	10.529	%95	%100
5	B2	Z	10.529	10.529	%99.9	%100
6	B3	Z	10.529	10.529	%50	%100
7	C1	Z	10.529	10.529	%95	%100
8	C2	Z	10.529	10.529	%99.9	%100
9	C3	Z	10.529	10.529	%50	%100
10	M1	Z	25.738	25.738	0	0
11	M7	Z	12.869	12.869	0	0
12	M8	Z	29.648	29.648	0	0
13	M10	Z	18.237	18.237	0	0
14	M12	Z	18.237	18.237	0	0
15	M13	Z	12.869	12.869	0	0
16	M14	Z	29.648	29.648	0	0
17	M16	Z	18.237	18.237	0	0
18	M18	Z	18.237	18.237	0	0
19	M19	Z	18.237	18.237	0	0
20	M20	Z	18.237	18.237	0	0
21	M25	Z	38.393	38.393	0	0
22	M28	Z	38.393	38.393	0	0
23	M32	Z	18.237	18.237	0	0
24	M33	Z	18.237	18.237	0	0
25	M37	Z	18.237	18.237	0	0

Member Distributed Loads (BLC 5 : No Ice Wind 90 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
26	M38	Z	18.237	18.237	0	0
27	M43	Z	18.237	18.237	0	0
28	M45	Z	18.237	18.237	0	0
29	M71	Z	9.118	9.118	0	0
30	M72A	Z	9.118	9.118	0	0
31	M82	Z	11.251	11.251	0	0
32	M83	Z	11.251	11.251	0	0
33	M98	Z	9.118	9.118	0	0
34	M99	Z	9.118	9.118	0	0
35	M109	Z	11.251	11.251	0	0
36	M110	Z	11.251	11.251	0	0
37	M112	Z	10.42	10.42	0	0
38	M113	Z	10.42	10.42	0	0
39	M120A	Z	9.118	9.118	0	0
40	M121A	Z	9.118	9.118	0	0
41	M123A	Z	8.085	8.085	0	0
42	M118	Z	17.176	17.176	0	0
43	M119	Z	17.176	17.176	0	0
44	M120	Z	8.085	8.085	0	0
45	M121	Z	10.42	10.42	0	0
46	M122	Z	10.42	10.42	0	0
47	M123	Z	8.085	8.085	0	0
48		Z	17.176	17.176	0	0
49		Z	17.176	17.176	0	0
50		Z	8.085	8.085	0	0

Member Distributed Loads (BLC 6 : No Ice Wind 120 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-2.632	-2.632	0	0
2	A1	Z	7.897	7.897	0	0
3	A2	X	-2.632	-2.632	0	0
4	A2	Z	7.897	7.897	0	0
5	A3	X	-2.632	-2.632	0	0
6	A3	Z	7.897	7.897	0	0
7	B1	X	-2.632	-2.632	%95	%100
8	B1	Z	7.897	7.897	%95	%100
9	B2	X	-2.632	-2.632	%99.9	%100
10	B2	Z	7.897	7.897	%99.9	%100
11	B3	X	-2.632	-2.632	%50	%100
12	B3	Z	7.897	7.897	%50	%100
13	C1	X	-2.632	-2.632	0	0
14	C1	Z	7.897	7.897	0	0
15	C2	X	-2.632	-2.632	0	0
16	C2	Z	7.897	7.897	0	0
17	C3	X	-2.632	-2.632	0	0
18	C3	Z	7.897	7.897	0	0
19	M1	X	-5.572	-5.572	0	0
20	M1	Z	16.717	16.717	0	0
21	M2	X	-4.279	-4.279	0	0
22	M2	Z	12.838	12.838	0	0
23	M4	X	-2.632	-2.632	0	0
24	M4	Z	7.897	7.897	0	0
25	M6	X	-2.632	-2.632	0	0
26	M6	Z	7.897	7.897	0	0
27	M8	X	-8.559	-8.559	0	0
28	M8	Z	25.676	25.676	0	0

Member Distributed Loads (BLC 6 : No Ice Wind 120 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
29	M10	X	-5.265	-5.265	0	0
30	M10	Z	15.794	15.794	0	0
31	M12	X	-5.265	-5.265	0	0
32	M12	Z	15.794	15.794	0	0
33	M13	X	-5.572	-5.572	0	0
34	M13	Z	16.717	16.717	0	0
35	M14	X	-4.279	-4.279	0	0
36	M14	Z	12.838	12.838	0	0
37	M16	X	-2.632	-2.632	0	0
38	M16	Z	7.897	7.897	0	0
39	M18	X	-2.632	-2.632	0	0
40	M18	Z	7.897	7.897	0	0
41	M19	X	-5.265	-5.265	0	0
42	M19	Z	15.794	15.794	0	0
43	M20	X	-2.632	-2.632	0	0
44	M20	Z	7.897	7.897	0	0
45	M21	X	-2.632	-2.632	0	0
46	M21	Z	7.897	7.897	0	0
47	M22	X	-5.542	-5.542	0	0
48	M22	Z	16.625	16.625	0	0
49	M25	X	-5.542	-5.542	0	0
50	M25	Z	16.625	16.625	0	0
51	M28	X	-11.083	-11.083	0	0
52	M28	Z	33.25	33.25	0	0
53	M31	X	-2.632	-2.632	0	0
54	M31	Z	7.897	7.897	0	0
55	M32	X	-5.265	-5.265	0	0
56	M32	Z	15.794	15.794	0	0
57	M33	X	-2.632	-2.632	0	0
58	M33	Z	7.897	7.897	0	0
59	M37	X	-5.265	-5.265	0	0
60	M37	Z	15.794	15.794	0	0
61	M38	X	-2.632	-2.632	0	0
62	M38	Z	7.897	7.897	0	0
63	M39	X	-2.632	-2.632	0	0
64	M39	Z	7.897	7.897	0	0
65	M43	X	-2.632	-2.632	0	0
66	M43	Z	7.897	7.897	0	0
67	M44	X	-2.632	-2.632	0	0
68	M44	Z	7.897	7.897	0	0
69	M45	X	-5.265	-5.265	0	0
70	M45	Z	15.794	15.794	0	0
71	M70	X	-1.316	-1.316	0	0
72	M70	Z	3.948	3.948	0	0
73	M71	X	-1.316	-1.316	0	0
74	M71	Z	3.948	3.948	0	0
75	M72A	X	-2.632	-2.632	0	0
76	M72A	Z	7.897	7.897	0	0
77	M82	X	-3.248	-3.248	0	0
78	M82	Z	9.744	9.744	0	0
79	M83	X	-1.624	-1.624	0	0
80	M83	Z	4.872	4.872	0	0
81	M84	X	-1.624	-1.624	0	0
82	M84	Z	4.872	4.872	0	0
83	M97	X	-1.316	-1.316	0	0
84	M97	Z	3.948	3.948	0	0
85	M98	X	-1.316	-1.316	0	0

Member Distributed Loads (BLC 6 : No Ice Wind 120 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
86	M98	Z	3.948	3.948	0	0
87	M99	X	-2.632	-2.632	0	0
88	M99	Z	7.897	7.897	0	0
89	M109	X	-3.248	-3.248	0	0
90	M109	Z	9.744	9.744	0	0
91	M110	X	-1.624	-1.624	0	0
92	M110	Z	4.872	4.872	0	0
93	M111	X	-1.624	-1.624	0	0
94	M111	Z	4.872	4.872	0	0
95	M112	X	-1.05	-1.05	0	0
96	M112	Z	3.149	3.149	0	0
97	M113	X	-3.931	-3.931	0	0
98	M113	Z	11.794	11.794	0	0
99	M120A	X	-2.632	-2.632	0	0
100	M120A	Z	7.897	7.897	0	0
101	M121A	X	-1.316	-1.316	0	0
102	M121A	Z	3.948	3.948	0	0
103	M122A	X	-1.316	-1.316	0	0
104	M122A	Z	3.948	3.948	0	0
105	M123A	X	-3.571	-3.571	0	0
106	M123A	Z	10.714	10.714	0	0
107	M118	X	-3.571	-3.571	0	0
108	M118	Z	10.714	10.714	0	0
109	M119	X	-3.931	-3.931	0	0
110	M119	Z	11.794	11.794	0	0
111	M120	X	-1.05	-1.05	0	0
112	M120	Z	3.149	3.149	0	0
113	M121	X	-1.05	-1.05	0	0
114	M121	Z	3.149	3.149	0	0
115	M122	X	-3.931	-3.931	0	0
116	M122	Z	11.794	11.794	0	0
117	M123	X	-3.571	-3.571	0	0
118	M123	Z	10.714	10.714	0	0
119		X	-3.571	-3.571	0	0
120		Z	10.714	10.714	0	0
121		X	-3.931	-3.931	0	0
122		Z	11.794	11.794	0	0
123		X	-1.05	-1.05	0	0
124		Z	3.149	3.149	0	0

Member Distributed Loads (BLC 7 : No Ice Wind 150 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-7.897	-7.897	%95	%100
2	A1	Z	2.632	2.632	%95	%100
3	A2	X	-7.897	-7.897	%99.9	%100
4	A2	Z	2.632	2.632	%99.9	%100
5	A3	X	-7.897	-7.897	%50	%100
6	A3	Z	2.632	2.632	%50	%100
7	B1	X	-7.897	-7.897	%95	%100
8	B1	Z	2.632	2.632	%95	%100
9	B2	X	-7.897	-7.897	%99.9	%100
10	B2	Z	2.632	2.632	%99.9	%100
11	B3	X	-7.897	-7.897	%50	%100
12	B3	Z	2.632	2.632	%50	%100
13	C1	X	-7.897	-7.897	0	0
14	C1	Z	2.632	2.632	0	0

Member Distributed Loads (BLC 7 : No Ice Wind 150 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
15	C2	X	-7.897	-7.897	0	0
16	C2	Z	2.632	2.632	0	0
17	C3	X	-7.897	-7.897	0	0
18	C3	Z	2.632	2.632	0	0
19	M1	X	-9.652	-9.652	0	0
20	M1	Z	3.217	3.217	0	0
21	M2	X	-22.236	-22.236	0	0
22	M2	Z	7.412	7.412	0	0
23	M4	X	-13.678	-13.678	0	0
24	M4	Z	4.559	4.559	0	0
25	M6	X	-13.678	-13.678	0	0
26	M6	Z	4.559	4.559	0	0
27	M7	X	-9.652	-9.652	0	0
28	M7	Z	3.217	3.217	0	0
29	M8	X	-22.236	-22.236	0	0
30	M8	Z	7.412	7.412	0	0
31	M10	X	-13.678	-13.678	0	0
32	M10	Z	4.559	4.559	0	0
33	M12	X	-13.678	-13.678	0	0
34	M12	Z	4.559	4.559	0	0
35	M13	X	-19.303	-19.303	0	0
36	M13	Z	6.434	6.434	0	0
37	M19	X	-13.678	-13.678	0	0
38	M19	Z	4.559	4.559	0	0
39	M21	X	-13.678	-13.678	0	0
40	M21	Z	4.559	4.559	0	0
41	M22	X	-28.795	-28.795	0	0
42	M22	Z	9.598	9.598	0	0
43	M28	X	-28.795	-28.795	0	0
44	M28	Z	9.598	9.598	0	0
45	M31	X	-13.678	-13.678	0	0
46	M31	Z	4.559	4.559	0	0
47	M32	X	-13.678	-13.678	0	0
48	M32	Z	4.559	4.559	0	0
49	M37	X	-13.678	-13.678	0	0
50	M37	Z	4.559	4.559	0	0
51	M39	X	-13.678	-13.678	0	0
52	M39	Z	4.559	4.559	0	0
53	M44	X	-13.678	-13.678	0	0
54	M44	Z	4.559	4.559	0	0
55	M45	X	-13.678	-13.678	0	0
56	M45	Z	4.559	4.559	0	0
57	M70	X	-6.839	-6.839	0	0
58	M70	Z	2.28	2.28	0	0
59	M72A	X	-6.839	-6.839	0	0
60	M72A	Z	2.28	2.28	0	0
61	M82	X	-8.439	-8.439	0	0
62	M82	Z	2.813	2.813	0	0
63	M84	X	-8.439	-8.439	0	0
64	M84	Z	2.813	2.813	0	0
65	M97	X	-6.839	-6.839	0	0
66	M97	Z	2.28	2.28	0	0
67	M99	X	-6.839	-6.839	0	0
68	M99	Z	2.28	2.28	0	0
69	M109	X	-8.439	-8.439	0	0
70	M109	Z	2.813	2.813	0	0
71	M111	X	-8.439	-8.439	0	0

Member Distributed Loads (BLC 7 : No Ice Wind 150 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
72	M111	Z	2.813	2.813	0	0
73	M112	X	-6.064	-6.064	0	0
74	M112	Z	2.021	2.021	0	0
75	M113	X	-12.882	-12.882	0	0
76	M113	Z	4.294	4.294	0	0
77	M120A	X	-6.839	-6.839	0	0
78	M120A	Z	2.28	2.28	0	0
79	M122A	X	-6.839	-6.839	0	0
80	M122A	Z	2.28	2.28	0	0
81	M123A	X	-12.882	-12.882	0	0
82	M123A	Z	4.294	4.294	0	0
83	M118	X	-6.064	-6.064	0	0
84	M118	Z	2.021	2.021	0	0
85	M119	X	-7.815	-7.815	0	0
86	M119	Z	2.605	2.605	0	0
87	M120	X	-7.815	-7.815	0	0
88	M120	Z	2.605	2.605	0	0
89	M121	X	-6.064	-6.064	0	0
90	M121	Z	2.021	2.021	0	0
91	M122	X	-12.882	-12.882	0	0
92	M122	Z	4.294	4.294	0	0
93	M123	X	-12.882	-12.882	0	0
94	M123	Z	4.294	4.294	0	0
95		X	-6.064	-6.064	0	0
96		Z	2.021	2.021	0	0
97		X	-7.815	-7.815	0	0
98		Z	2.605	2.605	0	0
99		X	-7.815	-7.815	0	0
100		Z	2.605	2.605	0	0

Member Distributed Loads (BLC 8 : No Ice Wind 180 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-10.529	-10.529	%95	%100
2	A2	X	-10.529	-10.529	%99.9	%100
3	A3	X	-10.529	-10.529	%50	%100
4	B1	X	-10.529	-10.529	0	0
5	B2	X	-10.529	-10.529	0	0
6	B3	X	-10.529	-10.529	0	0
7	C1	X	-10.529	-10.529	0	0
8	C2	X	-10.529	-10.529	0	0
9	C3	X	-10.529	-10.529	0	0
10	M2	X	-34.235	-34.235	0	0
11	M4	X	-21.058	-21.058	0	0
12	M6	X	-21.058	-21.058	0	0
13	M7	X	-22.289	-22.289	0	0
14	M8	X	-17.117	-17.117	0	0
15	M10	X	-10.529	-10.529	0	0
16	M12	X	-10.529	-10.529	0	0
17	M13	X	-22.289	-22.289	0	0
18	M14	X	-17.117	-17.117	0	0
19	M16	X	-10.529	-10.529	0	0
20	M18	X	-10.529	-10.529	0	0
21	M19	X	-10.529	-10.529	0	0
22	M20	X	-10.529	-10.529	0	0
23	M21	X	-21.058	-21.058	0	0
24	M22	X	-44.333	-44.333	0	0

Member Distributed Loads (BLC 8 : No Ice Wind 180 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
25	M25	X	-22.166	-22.166	0	0
26	M28	X	-22.166	-22.166	0	0
27	M31	X	-21.058	-21.058	0	0
28	M32	X	-10.529	-10.529	0	0
29	M33	X	-10.529	-10.529	0	0
30	M37	X	-10.529	-10.529	0	0
31	M38	X	-10.529	-10.529	0	0
32	M39	X	-21.058	-21.058	0	0
33	M43	X	-10.529	-10.529	0	0
34	M44	X	-21.058	-21.058	0	0
35	M45	X	-10.529	-10.529	0	0
36	M70	X	-10.529	-10.529	0	0
37	M71	X	-5.265	-5.265	0	0
38	M72A	X	-5.265	-5.265	0	0
39	M82	X	-6.496	-6.496	0	0
40	M83	X	-6.496	-6.496	0	0
41	M84	X	-12.992	-12.992	0	0
42	M97	X	-10.529	-10.529	0	0
43	M98	X	-5.265	-5.265	0	0
44	M99	X	-5.265	-5.265	0	0
45	M109	X	-6.496	-6.496	0	0
46	M110	X	-6.496	-6.496	0	0
47	M111	X	-12.992	-12.992	0	0
48	M112	X	-14.285	-14.285	0	0
49	M113	X	-14.285	-14.285	0	0
50	M120A	X	-5.265	-5.265	0	0
51	M121A	X	-5.265	-5.265	0	0
52	M122A	X	-10.529	-10.529	0	0
53	M123A	X	-15.725	-15.725	0	0
54	M118	X	-4.198	-4.198	0	0
55	M119	X	-4.198	-4.198	0	0
56	M120	X	-15.725	-15.725	0	0
57	M121	X	-14.285	-14.285	0	0
58	M122	X	-14.285	-14.285	0	0
59	M123	X	-15.725	-15.725	0	0
60		X	-4.198	-4.198	0	0
61		X	-4.198	-4.198	0	0
62		X	-15.725	-15.725	0	0

Member Distributed Loads (BLC 9 : No Ice Wind 210 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-7.897	-7.897	%95	%100
2	A1	Z	-2.632	-2.632	%95	%100
3	A2	X	-7.897	-7.897	%99.9	%100
4	A2	Z	-2.632	-2.632	%99.9	%100
5	A3	X	-7.897	-7.897	%50	%100
6	A3	Z	-2.632	-2.632	%50	%100
7	B1	X	-7.897	-7.897	0	0
8	B1	Z	-2.632	-2.632	0	0
9	B2	X	-7.897	-7.897	0	0
10	B2	Z	-2.632	-2.632	0	0
11	B3	X	-7.897	-7.897	0	0
12	B3	Z	-2.632	-2.632	0	0
13	C1	X	-7.897	-7.897	%95	%100
14	C1	Z	-2.632	-2.632	%95	%100
15	C2	X	-7.897	-7.897	%99.9	%100

Member Distributed Loads (BLC 9 : No Ice Wind 210 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
16	C2	Z	-2.632	-2.632	%99.9	%100
17	C3	X	-7.897	-7.897	%50	%100
18	C3	Z	-2.632	-2.632	%50	%100
19	M1	X	-9.652	-9.652	0	0
20	M1	Z	-3.217	-3.217	0	0
21	M2	X	-22.236	-22.236	0	0
22	M2	Z	-7.412	-7.412	0	0
23	M4	X	-13.678	-13.678	0	0
24	M4	Z	-4.559	-4.559	0	0
25	M6	X	-13.678	-13.678	0	0
26	M6	Z	-4.559	-4.559	0	0
27	M7	X	-19.303	-19.303	0	0
28	M7	Z	-6.434	-6.434	0	0
29	M13	X	-9.652	-9.652	0	0
30	M13	Z	-3.217	-3.217	0	0
31	M14	X	-22.236	-22.236	0	0
32	M14	Z	-7.412	-7.412	0	0
33	M16	X	-13.678	-13.678	0	0
34	M16	Z	-4.559	-4.559	0	0
35	M18	X	-13.678	-13.678	0	0
36	M18	Z	-4.559	-4.559	0	0
37	M20	X	-13.678	-13.678	0	0
38	M20	Z	-4.559	-4.559	0	0
39	M21	X	-13.678	-13.678	0	0
40	M21	Z	-4.559	-4.559	0	0
41	M22	X	-28.795	-28.795	0	0
42	M22	Z	-9.598	-9.598	0	0
43	M25	X	-28.795	-28.795	0	0
44	M25	Z	-9.598	-9.598	0	0
45	M31	X	-13.678	-13.678	0	0
46	M31	Z	-4.559	-4.559	0	0
47	M33	X	-13.678	-13.678	0	0
48	M33	Z	-4.559	-4.559	0	0
49	M38	X	-13.678	-13.678	0	0
50	M38	Z	-4.559	-4.559	0	0
51	M39	X	-13.678	-13.678	0	0
52	M39	Z	-4.559	-4.559	0	0
53	M43	X	-13.678	-13.678	0	0
54	M43	Z	-4.559	-4.559	0	0
55	M44	X	-13.678	-13.678	0	0
56	M44	Z	-4.559	-4.559	0	0
57	M70	X	-6.839	-6.839	0	0
58	M70	Z	-2.28	-2.28	0	0
59	M71	X	-6.839	-6.839	0	0
60	M71	Z	-2.28	-2.28	0	0
61	M83	X	-8.439	-8.439	0	0
62	M83	Z	-2.813	-2.813	0	0
63	M84	X	-8.439	-8.439	0	0
64	M84	Z	-2.813	-2.813	0	0
65	M97	X	-6.839	-6.839	0	0
66	M97	Z	-2.28	-2.28	0	0
67	M98	X	-6.839	-6.839	0	0
68	M98	Z	-2.28	-2.28	0	0
69	M110	X	-8.439	-8.439	0	0
70	M110	Z	-2.813	-2.813	0	0
71	M111	X	-8.439	-8.439	0	0
72	M111	Z	-2.813	-2.813	0	0

Member Distributed Loads (BLC 9 : No Ice Wind 210 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
73	M112	X	-12.882	-12.882	0	0
74	M112	Z	-4.294	-4.294	0	0
75	M113	X	-6.064	-6.064	0	0
76	M113	Z	-2.021	-2.021	0	0
77	M121A	X	-6.839	-6.839	0	0
78	M121A	Z	-2.28	-2.28	0	0
79	M122A	X	-6.839	-6.839	0	0
80	M122A	Z	-2.28	-2.28	0	0
81	M123A	X	-7.815	-7.815	0	0
82	M123A	Z	-2.605	-2.605	0	0
83	M118	X	-7.815	-7.815	0	0
84	M118	Z	-2.605	-2.605	0	0
85	M119	X	-6.064	-6.064	0	0
86	M119	Z	-2.021	-2.021	0	0
87	M120	X	-12.882	-12.882	0	0
88	M120	Z	-4.294	-4.294	0	0
89	M121	X	-12.882	-12.882	0	0
90	M121	Z	-4.294	-4.294	0	0
91	M122	X	-6.064	-6.064	0	0
92	M122	Z	-2.021	-2.021	0	0
93	M123	X	-7.815	-7.815	0	0
94	M123	Z	-2.605	-2.605	0	0
95		X	-7.815	-7.815	0	0
96		Z	-2.605	-2.605	0	0
97		X	-6.064	-6.064	0	0
98		Z	-2.021	-2.021	0	0
99		X	-12.882	-12.882	0	0
100		Z	-4.294	-4.294	0	0

Member Distributed Loads (BLC 10 : No Ice Wind 240 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-2.632	-2.632	0	0
2	A1	Z	-7.897	-7.897	0	0
3	A2	X	-2.632	-2.632	0	0
4	A2	Z	-7.897	-7.897	0	0
5	A3	X	-2.632	-2.632	0	0
6	A3	Z	-7.897	-7.897	0	0
7	B1	X	-2.632	-2.632	0	0
8	B1	Z	-7.897	-7.897	0	0
9	B2	X	-2.632	-2.632	0	0
10	B2	Z	-7.897	-7.897	0	0
11	B3	X	-2.632	-2.632	0	0
12	B3	Z	-7.897	-7.897	0	0
13	C1	X	-2.632	-2.632	%95	%100
14	C1	Z	-7.897	-7.897	%95	%100
15	C2	X	-2.632	-2.632	%99.9	%100
16	C2	Z	-7.897	-7.897	%99.9	%100
17	C3	X	-2.632	-2.632	%50	%100
18	C3	Z	-7.897	-7.897	%50	%100
19	M1	X	-5.572	-5.572	0	0
20	M1	Z	-16.717	-16.717	0	0
21	M2	X	-4.279	-4.279	0	0
22	M2	Z	-12.838	-12.838	0	0
23	M4	X	-2.632	-2.632	0	0
24	M4	Z	-7.897	-7.897	0	0
25	M6	X	-2.632	-2.632	0	0

Member Distributed Loads (BLC 10 : No Ice Wind 240 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
26	M6	Z	-7.897	-7.897	0	0
27	M7	X	-5.572	-5.572	0	0
28	M7	Z	-16.717	-16.717	0	0
29	M8	X	-4.279	-4.279	0	0
30	M8	Z	-12.838	-12.838	0	0
31	M10	X	-2.632	-2.632	0	0
32	M10	Z	-7.897	-7.897	0	0
33	M12	X	-2.632	-2.632	0	0
34	M12	Z	-7.897	-7.897	0	0
35	M14	X	-8.559	-8.559	0	0
36	M14	Z	-25.676	-25.676	0	0
37	M16	X	-5.265	-5.265	0	0
38	M16	Z	-15.794	-15.794	0	0
39	M18	X	-5.265	-5.265	0	0
40	M18	Z	-15.794	-15.794	0	0
41	M19	X	-2.632	-2.632	0	0
42	M19	Z	-7.897	-7.897	0	0
43	M20	X	-5.265	-5.265	0	0
44	M20	Z	-15.794	-15.794	0	0
45	M21	X	-2.632	-2.632	0	0
46	M21	Z	-7.897	-7.897	0	0
47	M22	X	-5.542	-5.542	0	0
48	M22	Z	-16.625	-16.625	0	0
49	M25	X	-11.083	-11.083	0	0
50	M25	Z	-33.25	-33.25	0	0
51	M28	X	-5.542	-5.542	0	0
52	M28	Z	-16.625	-16.625	0	0
53	M31	X	-2.632	-2.632	0	0
54	M31	Z	-7.897	-7.897	0	0
55	M32	X	-2.632	-2.632	0	0
56	M32	Z	-7.897	-7.897	0	0
57	M33	X	-5.265	-5.265	0	0
58	M33	Z	-15.794	-15.794	0	0
59	M37	X	-2.632	-2.632	0	0
60	M37	Z	-7.897	-7.897	0	0
61	M38	X	-5.265	-5.265	0	0
62	M38	Z	-15.794	-15.794	0	0
63	M39	X	-2.632	-2.632	0	0
64	M39	Z	-7.897	-7.897	0	0
65	M43	X	-5.265	-5.265	0	0
66	M43	Z	-15.794	-15.794	0	0
67	M44	X	-2.632	-2.632	0	0
68	M44	Z	-7.897	-7.897	0	0
69	M45	X	-2.632	-2.632	0	0
70	M45	Z	-7.897	-7.897	0	0
71	M70	X	-1.316	-1.316	0	0
72	M70	Z	-3.948	-3.948	0	0
73	M71	X	-2.632	-2.632	0	0
74	M71	Z	-7.897	-7.897	0	0
75	M72A	X	-1.316	-1.316	0	0
76	M72A	Z	-3.948	-3.948	0	0
77	M82	X	-1.624	-1.624	0	0
78	M82	Z	-4.872	-4.872	0	0
79	M83	X	-3.248	-3.248	0	0
80	M83	Z	-9.744	-9.744	0	0
81	M84	X	-1.624	-1.624	0	0
82	M84	Z	-4.872	-4.872	0	0

Member Distributed Loads (BLC 10 : No Ice Wind 240 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
83	M97	X	-1.316	-1.316	0	0
84	M97	Z	-3.948	-3.948	0	0
85	M98	X	-2.632	-2.632	0	0
86	M98	Z	-7.897	-7.897	0	0
87	M99	X	-1.316	-1.316	0	0
88	M99	Z	-3.948	-3.948	0	0
89	M109	X	-1.624	-1.624	0	0
90	M109	Z	-4.872	-4.872	0	0
91	M110	X	-3.248	-3.248	0	0
92	M110	Z	-9.744	-9.744	0	0
93	M111	X	-1.624	-1.624	0	0
94	M111	Z	-4.872	-4.872	0	0
95	M112	X	-3.931	-3.931	0	0
96	M112	Z	-11.794	-11.794	0	0
97	M113	X	-1.05	-1.05	0	0
98	M113	Z	-3.149	-3.149	0	0
99	M120A	X	-1.316	-1.316	0	0
100	M120A	Z	-3.948	-3.948	0	0
101	M121A	X	-2.632	-2.632	0	0
102	M121A	Z	-7.897	-7.897	0	0
103	M122A	X	-1.316	-1.316	0	0
104	M122A	Z	-3.948	-3.948	0	0
105	M123A	X	-1.05	-1.05	0	0
106	M123A	Z	-3.149	-3.149	0	0
107	M118	X	-3.931	-3.931	0	0
108	M118	Z	-11.794	-11.794	0	0
109	M119	X	-3.571	-3.571	0	0
110	M119	Z	-10.714	-10.714	0	0
111	M120	X	-3.571	-3.571	0	0
112	M120	Z	-10.714	-10.714	0	0
113	M121	X	-3.931	-3.931	0	0
114	M121	Z	-11.794	-11.794	0	0
115	M122	X	-1.05	-1.05	0	0
116	M122	Z	-3.149	-3.149	0	0
117	M123	X	-1.05	-1.05	0	0
118	M123	Z	-3.149	-3.149	0	0
119		X	-3.931	-3.931	0	0
120		Z	-11.794	-11.794	0	0
121		X	-3.571	-3.571	0	0
122		Z	-10.714	-10.714	0	0
123		X	-3.571	-3.571	0	0
124		Z	-10.714	-10.714	0	0

Member Distributed Loads (BLC 11 : No Ice Wind 270 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	Z	-10.529	-10.529	0	0
2	A2	Z	-10.529	-10.529	0	0
3	A3	Z	-10.529	-10.529	0	0
4	B1	Z	-10.529	-10.529	%95	%100
5	B2	Z	-10.529	-10.529	%99.9	%100
6	B3	Z	-10.529	-10.529	%50	%100
7	C1	Z	-10.529	-10.529	%95	%100
8	C2	Z	-10.529	-10.529	%99.9	%100
9	C3	Z	-10.529	-10.529	%50	%100
10	M1	Z	-25.738	-25.738	0	0
11	M7	Z	-12.869	-12.869	0	0

Member Distributed Loads (BLC 11 : No Ice Wind 270 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
12	M8	Z	-29.648	-29.648	0	0
13	M10	Z	-18.237	-18.237	0	0
14	M12	Z	-18.237	-18.237	0	0
15	M13	Z	-12.869	-12.869	0	0
16	M14	Z	-29.648	-29.648	0	0
17	M16	Z	-18.237	-18.237	0	0
18	M18	Z	-18.237	-18.237	0	0
19	M19	Z	-18.237	-18.237	0	0
20	M20	Z	-18.237	-18.237	0	0
21	M25	Z	-38.393	-38.393	0	0
22	M28	Z	-38.393	-38.393	0	0
23	M32	Z	-18.237	-18.237	0	0
24	M33	Z	-18.237	-18.237	0	0
25	M37	Z	-18.237	-18.237	0	0
26	M38	Z	-18.237	-18.237	0	0
27	M43	Z	-18.237	-18.237	0	0
28	M45	Z	-18.237	-18.237	0	0
29	M71	Z	-9.118	-9.118	0	0
30	M72A	Z	-9.118	-9.118	0	0
31	M82	Z	-11.251	-11.251	0	0
32	M83	Z	-11.251	-11.251	0	0
33	M98	Z	-9.118	-9.118	0	0
34	M99	Z	-9.118	-9.118	0	0
35	M109	Z	-11.251	-11.251	0	0
36	M110	Z	-11.251	-11.251	0	0
37	M112	Z	-10.42	-10.42	0	0
38	M113	Z	-10.42	-10.42	0	0
39	M120A	Z	-9.118	-9.118	0	0
40	M121A	Z	-9.118	-9.118	0	0
41	M123A	Z	-8.085	-8.085	0	0
42	M118	Z	-17.176	-17.176	0	0
43	M119	Z	-17.176	-17.176	0	0
44	M120	Z	-8.085	-8.085	0	0
45	M121	Z	-10.42	-10.42	0	0
46	M122	Z	-10.42	-10.42	0	0
47	M123	Z	-8.085	-8.085	0	0
48		Z	-17.176	-17.176	0	0
49		Z	-17.176	-17.176	0	0
50		Z	-8.085	-8.085	0	0

Member Distributed Loads (BLC 12 : No Ice Wind 300 deg)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	2.632	2.632	0	0
2	A1	Z	-7.897	-7.897	0	0
3	A2	X	2.632	2.632	0	0
4	A2	Z	-7.897	-7.897	0	0
5	A3	X	2.632	2.632	0	0
6	A3	Z	-7.897	-7.897	0	0
7	B1	X	2.632	2.632	%95	%100
8	B1	Z	-7.897	-7.897	%95	%100
9	B2	X	2.632	2.632	%99.9	%100
10	B2	Z	-7.897	-7.897	%99.9	%100
11	B3	X	2.632	2.632	%50	%100
12	B3	Z	-7.897	-7.897	%50	%100
13	C1	X	2.632	2.632	0	0
14	C1	Z	-7.897	-7.897	0	0

Member Distributed Loads (BLC 12 : No Ice Wind 300 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
15	C2	X	2.632	2.632	0	0
16	C2	Z	-7.897	-7.897	0	0
17	C3	X	2.632	2.632	0	0
18	C3	Z	-7.897	-7.897	0	0
19	M1	X	5.572	5.572	0	0
20	M1	Z	-16.717	-16.717	0	0
21	M2	X	4.279	4.279	0	0
22	M2	Z	-12.838	-12.838	0	0
23	M4	X	2.632	2.632	0	0
24	M4	Z	-7.897	-7.897	0	0
25	M6	X	2.632	2.632	0	0
26	M6	Z	-7.897	-7.897	0	0
27	M8	X	8.559	8.559	0	0
28	M8	Z	-25.676	-25.676	0	0
29	M10	X	5.265	5.265	0	0
30	M10	Z	-15.794	-15.794	0	0
31	M12	X	5.265	5.265	0	0
32	M12	Z	-15.794	-15.794	0	0
33	M13	X	5.572	5.572	0	0
34	M13	Z	-16.717	-16.717	0	0
35	M14	X	4.279	4.279	0	0
36	M14	Z	-12.838	-12.838	0	0
37	M16	X	2.632	2.632	0	0
38	M16	Z	-7.897	-7.897	0	0
39	M18	X	2.632	2.632	0	0
40	M18	Z	-7.897	-7.897	0	0
41	M19	X	5.265	5.265	0	0
42	M19	Z	-15.794	-15.794	0	0
43	M20	X	2.632	2.632	0	0
44	M20	Z	-7.897	-7.897	0	0
45	M21	X	2.632	2.632	0	0
46	M21	Z	-7.897	-7.897	0	0
47	M22	X	5.542	5.542	0	0
48	M22	Z	-16.625	-16.625	0	0
49	M25	X	5.542	5.542	0	0
50	M25	Z	-16.625	-16.625	0	0
51	M28	X	11.083	11.083	0	0
52	M28	Z	-33.25	-33.25	0	0
53	M31	X	2.632	2.632	0	0
54	M31	Z	-7.897	-7.897	0	0
55	M32	X	5.265	5.265	0	0
56	M32	Z	-15.794	-15.794	0	0
57	M33	X	2.632	2.632	0	0
58	M33	Z	-7.897	-7.897	0	0
59	M37	X	5.265	5.265	0	0
60	M37	Z	-15.794	-15.794	0	0
61	M38	X	2.632	2.632	0	0
62	M38	Z	-7.897	-7.897	0	0
63	M39	X	2.632	2.632	0	0
64	M39	Z	-7.897	-7.897	0	0
65	M43	X	2.632	2.632	0	0
66	M43	Z	-7.897	-7.897	0	0
67	M44	X	2.632	2.632	0	0
68	M44	Z	-7.897	-7.897	0	0
69	M45	X	5.265	5.265	0	0
70	M45	Z	-15.794	-15.794	0	0
71	M70	X	1.316	1.316	0	0

Member Distributed Loads (BLC 12 : No Ice Wind 300 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
72	M70	Z	-3.948	-3.948	0	0
73	M71	X	1.316	1.316	0	0
74	M71	Z	-3.948	-3.948	0	0
75	M72A	X	2.632	2.632	0	0
76	M72A	Z	-7.897	-7.897	0	0
77	M82	X	3.248	3.248	0	0
78	M82	Z	-9.744	-9.744	0	0
79	M83	X	1.624	1.624	0	0
80	M83	Z	-4.872	-4.872	0	0
81	M84	X	1.624	1.624	0	0
82	M84	Z	-4.872	-4.872	0	0
83	M97	X	1.316	1.316	0	0
84	M97	Z	-3.948	-3.948	0	0
85	M98	X	1.316	1.316	0	0
86	M98	Z	-3.948	-3.948	0	0
87	M99	X	2.632	2.632	0	0
88	M99	Z	-7.897	-7.897	0	0
89	M109	X	3.248	3.248	0	0
90	M109	Z	-9.744	-9.744	0	0
91	M110	X	1.624	1.624	0	0
92	M110	Z	-4.872	-4.872	0	0
93	M111	X	1.624	1.624	0	0
94	M111	Z	-4.872	-4.872	0	0
95	M112	X	1.05	1.05	0	0
96	M112	Z	-3.149	-3.149	0	0
97	M113	X	3.931	3.931	0	0
98	M113	Z	-11.794	-11.794	0	0
99	M120A	X	2.632	2.632	0	0
100	M120A	Z	-7.897	-7.897	0	0
101	M121A	X	1.316	1.316	0	0
102	M121A	Z	-3.948	-3.948	0	0
103	M122A	X	1.316	1.316	0	0
104	M122A	Z	-3.948	-3.948	0	0
105	M123A	X	3.571	3.571	0	0
106	M123A	Z	-10.714	-10.714	0	0
107	M118	X	3.571	3.571	0	0
108	M118	Z	-10.714	-10.714	0	0
109	M119	X	3.931	3.931	0	0
110	M119	Z	-11.794	-11.794	0	0
111	M120	X	1.05	1.05	0	0
112	M120	Z	-3.149	-3.149	0	0
113	M121	X	1.05	1.05	0	0
114	M121	Z	-3.149	-3.149	0	0
115	M122	X	3.931	3.931	0	0
116	M122	Z	-11.794	-11.794	0	0
117	M123	X	3.571	3.571	0	0
118	M123	Z	-10.714	-10.714	0	0
119		X	3.571	3.571	0	0
120		Z	-10.714	-10.714	0	0
121		X	3.931	3.931	0	0
122		Z	-11.794	-11.794	0	0
123		X	1.05	1.05	0	0
124		Z	-3.149	-3.149	0	0

Member Distributed Loads (BLC 13 : No Ice Wind 330 deg)

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

Member Distributed Loads (BLC 13 : No Ice Wind 330 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	7.897	7.897	%95	%100
2	A1	Z	-2.632	-2.632	%95	%100
3	A2	X	7.897	7.897	%99.9	%100
4	A2	Z	-2.632	-2.632	%99.9	%100
5	A3	X	7.897	7.897	%50	%100
6	A3	Z	-2.632	-2.632	%50	%100
7	B1	X	7.897	7.897	%95	%100
8	B1	Z	-2.632	-2.632	%95	%100
9	B2	X	7.897	7.897	%99.9	%100
10	B2	Z	-2.632	-2.632	%99.9	%100
11	B3	X	7.897	7.897	%50	%100
12	B3	Z	-2.632	-2.632	%50	%100
13	C1	X	7.897	7.897	0	0
14	C1	Z	-2.632	-2.632	0	0
15	C2	X	7.897	7.897	0	0
16	C2	Z	-2.632	-2.632	0	0
17	C3	X	7.897	7.897	0	0
18	C3	Z	-2.632	-2.632	0	0
19	M1	X	9.652	9.652	0	0
20	M1	Z	-3.217	-3.217	0	0
21	M2	X	22.236	22.236	0	0
22	M2	Z	-7.412	-7.412	0	0
23	M4	X	13.678	13.678	0	0
24	M4	Z	-4.559	-4.559	0	0
25	M6	X	13.678	13.678	0	0
26	M6	Z	-4.559	-4.559	0	0
27	M7	X	9.652	9.652	0	0
28	M7	Z	-3.217	-3.217	0	0
29	M8	X	22.236	22.236	0	0
30	M8	Z	-7.412	-7.412	0	0
31	M10	X	13.678	13.678	0	0
32	M10	Z	-4.559	-4.559	0	0
33	M12	X	13.678	13.678	0	0
34	M12	Z	-4.559	-4.559	0	0
35	M13	X	19.303	19.303	0	0
36	M13	Z	-6.434	-6.434	0	0
37	M19	X	13.678	13.678	0	0
38	M19	Z	-4.559	-4.559	0	0
39	M21	X	13.678	13.678	0	0
40	M21	Z	-4.559	-4.559	0	0
41	M22	X	28.795	28.795	0	0
42	M22	Z	-9.598	-9.598	0	0
43	M28	X	28.795	28.795	0	0
44	M28	Z	-9.598	-9.598	0	0
45	M31	X	13.678	13.678	0	0
46	M31	Z	-4.559	-4.559	0	0
47	M32	X	13.678	13.678	0	0
48	M32	Z	-4.559	-4.559	0	0
49	M37	X	13.678	13.678	0	0
50	M37	Z	-4.559	-4.559	0	0
51	M39	X	13.678	13.678	0	0
52	M39	Z	-4.559	-4.559	0	0
53	M44	X	13.678	13.678	0	0
54	M44	Z	-4.559	-4.559	0	0
55	M45	X	13.678	13.678	0	0
56	M45	Z	-4.559	-4.559	0	0
57	M70	X	6.839	6.839	0	0

Member Distributed Loads (BLC 13 : No Ice Wind 330 deg) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
58	M70	Z	-2.28	-2.28	0	0
59	M72A	X	6.839	6.839	0	0
60	M72A	Z	-2.28	-2.28	0	0
61	M82	X	8.439	8.439	0	0
62	M82	Z	-2.813	-2.813	0	0
63	M84	X	8.439	8.439	0	0
64	M84	Z	-2.813	-2.813	0	0
65	M97	X	6.839	6.839	0	0
66	M97	Z	-2.28	-2.28	0	0
67	M99	X	6.839	6.839	0	0
68	M99	Z	-2.28	-2.28	0	0
69	M109	X	8.439	8.439	0	0
70	M109	Z	-2.813	-2.813	0	0
71	M111	X	8.439	8.439	0	0
72	M111	Z	-2.813	-2.813	0	0
73	M112	X	6.064	6.064	0	0
74	M112	Z	-2.021	-2.021	0	0
75	M113	X	12.882	12.882	0	0
76	M113	Z	-4.294	-4.294	0	0
77	M120A	X	6.839	6.839	0	0
78	M120A	Z	-2.28	-2.28	0	0
79	M122A	X	6.839	6.839	0	0
80	M122A	Z	-2.28	-2.28	0	0
81	M123A	X	12.882	12.882	0	0
82	M123A	Z	-4.294	-4.294	0	0
83	M118	X	6.064	6.064	0	0
84	M118	Z	-2.021	-2.021	0	0
85	M119	X	7.815	7.815	0	0
86	M119	Z	-2.605	-2.605	0	0
87	M120	X	7.815	7.815	0	0
88	M120	Z	-2.605	-2.605	0	0
89	M121	X	6.064	6.064	0	0
90	M121	Z	-2.021	-2.021	0	0
91	M122	X	12.882	12.882	0	0
92	M122	Z	-4.294	-4.294	0	0
93	M123	X	12.882	12.882	0	0
94	M123	Z	-4.294	-4.294	0	0
95		X	6.064	6.064	0	0
96		Z	-2.021	-2.021	0	0
97		X	7.815	7.815	0	0
98		Z	-2.605	-2.605	0	0
99		X	7.815	7.815	0	0
100		Z	-2.605	-2.605	0	0

Member Distributed Loads (BLC 14 : Ice Weight)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	Y	-6.053	-6.053	0	0
2	A2	Y	-6.053	-6.053	0	0
3	A3	Y	-6.053	-6.053	0	0
4	B1	Y	-6.053	-6.053	0	0
5	B2	Y	-6.053	-6.053	0	0
6	B3	Y	-6.053	-6.053	0	0
7	C1	Y	-6.053	-6.053	0	0
8	C2	Y	-6.053	-6.053	0	0
9	C3	Y	-6.053	-6.053	0	0
10	M1	Y	-11.407	-11.407	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
11	M2	Y	-12.456	-12.456	0	0
12	M4	Y	-9.97	-9.97	0	0
13	M6	Y	-9.97	-9.97	0	0
14	M7	Y	-11.407	-11.407	0	0
15	M8	Y	-12.456	-12.456	0	0
16	M10	Y	-9.97	-9.97	0	0
17	M12	Y	-9.97	-9.97	0	0
18	M13	Y	-11.407	-11.407	0	0
19	M14	Y	-12.456	-12.456	0	0
20	M16	Y	-9.97	-9.97	0	0
21	M18	Y	-9.97	-9.97	0	0
22	M19	Y	-9.97	-9.97	0	0
23	M20	Y	-9.97	-9.97	0	0
24	M21	Y	-9.97	-9.97	0	0
25	M22	Y	-12.456	-12.456	0	0
26	M25	Y	-12.456	-12.456	0	0
27	M28	Y	-12.456	-12.456	0	0
28	M31	Y	-9.97	-9.97	0	0
29	M32	Y	-9.97	-9.97	0	0
30	M33	Y	-9.97	-9.97	0	0
31	M37	Y	-9.97	-9.97	0	0
32	M38	Y	-9.97	-9.97	0	0
33	M39	Y	-9.97	-9.97	0	0
34	M43	Y	-9.97	-9.97	0	0
35	M44	Y	-9.97	-9.97	0	0
36	M45	Y	-9.97	-9.97	0	0
37	M70	Y	-6.053	-6.053	0	0
38	M71	Y	-6.053	-6.053	0	0
39	M72A	Y	-6.053	-6.053	0	0
40	M82	Y	-7.946	-7.946	0	0
41	M83	Y	-7.946	-7.946	0	0
42	M84	Y	-7.946	-7.946	0	0
43	M97	Y	-6.053	-6.053	0	0
44	M98	Y	-6.053	-6.053	0	0
45	M99	Y	-6.053	-6.053	0	0
46	M109	Y	-7.946	-7.946	0	0
47	M110	Y	-7.946	-7.946	0	0
48	M111	Y	-7.946	-7.946	0	0
49	M112	Y	-7.946	-7.946	0	0
50	M113	Y	-7.946	-7.946	0	0
51	M120A	Y	-6.053	-6.053	0	0
52	M121A	Y	-6.053	-6.053	0	0
53	M122A	Y	-6.053	-6.053	0	0
54	M123A	Y	-7.946	-7.946	0	0
55	M118	Y	-7.946	-7.946	0	0
56	M119	Y	-7.946	-7.946	0	0
57	M120	Y	-7.946	-7.946	0	0
58	M121	Y	-7.946	-7.946	0	0
59	M122	Y	-7.946	-7.946	0	0
60	M123	Y	-7.946	-7.946	0	0
61		Y	-7.946	-7.946	0	0
62		Y	-7.946	-7.946	0	0
63		Y	-7.946	-7.946	0	0

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	2.689	2.689	%95	%100
2	A2	X	2.689	2.689	%99.9	%100
3	A3	X	2.689	2.689	%50	%100
4	B1	X	2.689	2.689	0	0
5	B2	X	2.689	2.689	0	0
6	B3	X	2.689	2.689	0	0
7	C1	X	2.689	2.689	0	0
8	C2	X	2.689	2.689	0	0
9	C3	X	2.689	2.689	0	0
10	M2	X	5.371	5.371	0	0
11	M4	X	3.78	3.78	0	0
12	M6	X	3.78	3.78	0	0
13	M7	X	3.624	3.624	0	0
14	M8	X	2.685	2.685	0	0
15	M10	X	1.89	1.89	0	0
16	M12	X	1.89	1.89	0	0
17	M13	X	3.624	3.624	0	0
18	M14	X	2.685	2.685	0	0
19	M16	X	1.89	1.89	0	0
20	M18	X	1.89	1.89	0	0
21	M19	X	1.89	1.89	0	0
22	M20	X	1.89	1.89	0	0
23	M21	X	3.78	3.78	0	0
24	M22	X	6.595	6.595	0	0
25	M25	X	3.298	3.298	0	0
26	M28	X	3.298	3.298	0	0
27	M31	X	3.78	3.78	0	0
28	M32	X	1.89	1.89	0	0
29	M33	X	1.89	1.89	0	0
30	M37	X	1.89	1.89	0	0
31	M38	X	1.89	1.89	0	0
32	M39	X	3.78	3.78	0	0
33	M43	X	1.89	1.89	0	0
34	M44	X	3.78	3.78	0	0
35	M45	X	1.89	1.89	0	0
36	M70	X	3.023	3.023	0	0
37	M71	X	1.512	1.512	0	0
38	M72A	X	1.512	1.512	0	0
39	M82	X	1.258	1.258	0	0
40	M83	X	1.258	1.258	0	0
41	M84	X	2.515	2.515	0	0
42	M97	X	3.023	3.023	0	0
43	M98	X	1.512	1.512	0	0
44	M99	X	1.512	1.512	0	0
45	M109	X	1.258	1.258	0	0
46	M110	X	1.258	1.258	0	0
47	M111	X	2.515	2.515	0	0
48	M112	X	2.518	2.518	0	0
49	M113	X	2.518	2.518	0	0
50	M120A	X	1.512	1.512	0	0
51	M121A	X	1.512	1.512	0	0
52	M122A	X	3.023	3.023	0	0
53	M123A	X	2.772	2.772	0	0
54	M118	X	.74	.74	0	0
55	M119	X	.74	.74	0	0
56	M120	X	2.772	2.772	0	0
57	M121	X	2.518	2.518	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
58	M122	X	2.518	2.518	0	0
59	M123	X	2.772	2.772	0	0
60		X	.74	.74	0	0
61		X	.74	.74	0	0
62		X	2.772	2.772	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	2.017	2.017	%95	%100
2	A1	Z	.672	.672	%95	%100
3	A2	X	2.017	2.017	%99.9	%100
4	A2	Z	.672	.672	%99.9	%100
5	A3	X	2.017	2.017	%50	%100
6	A3	Z	.672	.672	%50	%100
7	B1	X	2.017	2.017	0	0
8	B1	Z	.672	.672	0	0
9	B2	X	2.017	2.017	0	0
10	B2	Z	.672	.672	0	0
11	B3	X	2.017	2.017	0	0
12	B3	Z	.672	.672	0	0
13	C1	X	2.017	2.017	%95	%100
14	C1	Z	.672	.672	%95	%100
15	C2	X	2.017	2.017	%99.9	%100
16	C2	Z	.672	.672	%99.9	%100
17	C3	X	2.017	2.017	%50	%100
18	C3	Z	.672	.672	%50	%100
19	M1	X	1.569	1.569	0	0
20	M1	Z	.523	.523	0	0
21	M2	X	3.488	3.488	0	0
22	M2	Z	1.163	1.163	0	0
23	M4	X	2.455	2.455	0	0
24	M4	Z	.818	.818	0	0
25	M6	X	2.455	2.455	0	0
26	M6	Z	.818	.818	0	0
27	M7	X	3.139	3.139	0	0
28	M7	Z	1.046	1.046	0	0
29	M13	X	1.569	1.569	0	0
30	M13	Z	.523	.523	0	0
31	M14	X	3.488	3.488	0	0
32	M14	Z	1.163	1.163	0	0
33	M16	X	2.455	2.455	0	0
34	M16	Z	.818	.818	0	0
35	M18	X	2.455	2.455	0	0
36	M18	Z	.818	.818	0	0
37	M20	X	2.455	2.455	0	0
38	M20	Z	.818	.818	0	0
39	M21	X	2.455	2.455	0	0
40	M21	Z	.818	.818	0	0
41	M22	X	4.284	4.284	0	0
42	M22	Z	1.428	1.428	0	0
43	M25	X	4.284	4.284	0	0
44	M25	Z	1.428	1.428	0	0
45	M31	X	2.455	2.455	0	0
46	M31	Z	.818	.818	0	0
47	M33	X	2.455	2.455	0	0
48	M33	Z	.818	.818	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
49	M38	X	2.455	2.455	0	0
50	M38	Z	.818	.818	0	0
51	M39	X	2.455	2.455	0	0
52	M39	Z	.818	.818	0	0
53	M43	X	2.455	2.455	0	0
54	M43	Z	.818	.818	0	0
55	M44	X	2.455	2.455	0	0
56	M44	Z	.818	.818	0	0
57	M70	X	1.964	1.964	0	0
58	M70	Z	.655	.655	0	0
59	M71	X	1.964	1.964	0	0
60	M71	Z	.655	.655	0	0
61	M83	X	1.634	1.634	0	0
62	M83	Z	.545	.545	0	0
63	M84	X	1.634	1.634	0	0
64	M84	Z	.545	.545	0	0
65	M97	X	1.964	1.964	0	0
66	M97	Z	.655	.655	0	0
67	M98	X	1.964	1.964	0	0
68	M98	Z	.655	.655	0	0
69	M110	X	1.634	1.634	0	0
70	M110	Z	.545	.545	0	0
71	M111	X	1.634	1.634	0	0
72	M111	Z	.545	.545	0	0
73	M112	X	2.271	2.271	0	0
74	M112	Z	.757	.757	0	0
75	M113	X	1.069	1.069	0	0
76	M113	Z	.356	.356	0	0
77	M121A	X	1.964	1.964	0	0
78	M121A	Z	.655	.655	0	0
79	M122A	X	1.964	1.964	0	0
80	M122A	Z	.655	.655	0	0
81	M123A	X	1.378	1.378	0	0
82	M123A	Z	.459	.459	0	0
83	M118	X	1.378	1.378	0	0
84	M118	Z	.459	.459	0	0
85	M119	X	1.069	1.069	0	0
86	M119	Z	.356	.356	0	0
87	M120	X	2.271	2.271	0	0
88	M120	Z	.757	.757	0	0
89	M121	X	2.271	2.271	0	0
90	M121	Z	.757	.757	0	0
91	M122	X	1.069	1.069	0	0
92	M122	Z	.356	.356	0	0
93	M123	X	1.378	1.378	0	0
94	M123	Z	.459	.459	0	0
95		X	1.378	1.378	0	0
96		Z	.459	.459	0	0
97		X	1.069	1.069	0	0
98		Z	.356	.356	0	0
99		X	2.271	2.271	0	0
100		Z	.757	.757	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	.672	.672	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
2	A1	Z	2.017	2.017	0	0
3	A2	X	.672	.672	0	0
4	A2	Z	2.017	2.017	0	0
5	A3	X	.672	.672	0	0
6	A3	Z	2.017	2.017	0	0
7	B1	X	.672	.672	0	0
8	B1	Z	2.017	2.017	0	0
9	B2	X	.672	.672	0	0
10	B2	Z	2.017	2.017	0	0
11	B3	X	.672	.672	0	0
12	B3	Z	2.017	2.017	0	0
13	C1	X	.672	.672	%95	%100
14	C1	Z	2.017	2.017	%95	%100
15	C2	X	.672	.672	%99.9	%100
16	C2	Z	2.017	2.017	%99.9	%100
17	C3	X	.672	.672	%50	%100
18	C3	Z	2.017	2.017	%50	%100
19	M1	X	.906	.906	0	0
20	M1	Z	2.718	2.718	0	0
21	M2	X	.671	.671	0	0
22	M2	Z	2.014	2.014	0	0
23	M4	X	.472	.472	0	0
24	M4	Z	1.417	1.417	0	0
25	M6	X	.472	.472	0	0
26	M6	Z	1.417	1.417	0	0
27	M7	X	.906	.906	0	0
28	M7	Z	2.718	2.718	0	0
29	M8	X	.671	.671	0	0
30	M8	Z	2.014	2.014	0	0
31	M10	X	.472	.472	0	0
32	M10	Z	1.417	1.417	0	0
33	M12	X	.472	.472	0	0
34	M12	Z	1.417	1.417	0	0
35	M14	X	1.343	1.343	0	0
36	M14	Z	4.028	4.028	0	0
37	M16	X	.945	.945	0	0
38	M16	Z	2.835	2.835	0	0
39	M18	X	.945	.945	0	0
40	M18	Z	2.835	2.835	0	0
41	M19	X	.472	.472	0	0
42	M19	Z	1.417	1.417	0	0
43	M20	X	.945	.945	0	0
44	M20	Z	2.835	2.835	0	0
45	M21	X	.472	.472	0	0
46	M21	Z	1.417	1.417	0	0
47	M22	X	.824	.824	0	0
48	M22	Z	2.473	2.473	0	0
49	M25	X	1.649	1.649	0	0
50	M25	Z	4.946	4.946	0	0
51	M28	X	.824	.824	0	0
52	M28	Z	2.473	2.473	0	0
53	M31	X	.472	.472	0	0
54	M31	Z	1.417	1.417	0	0
55	M32	X	.472	.472	0	0
56	M32	Z	1.417	1.417	0	0
57	M33	X	.945	.945	0	0
58	M33	Z	2.835	2.835	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
59	M37	X	.472	.472	0	0
60	M37	Z	1.417	1.417	0	0
61	M38	X	.945	.945	0	0
62	M38	Z	2.835	2.835	0	0
63	M39	X	.472	.472	0	0
64	M39	Z	1.417	1.417	0	0
65	M43	X	.945	.945	0	0
66	M43	Z	2.835	2.835	0	0
67	M44	X	.472	.472	0	0
68	M44	Z	1.417	1.417	0	0
69	M45	X	.472	.472	0	0
70	M45	Z	1.417	1.417	0	0
71	M70	X	.378	.378	0	0
72	M70	Z	1.134	1.134	0	0
73	M71	X	.756	.756	0	0
74	M71	Z	2.268	2.268	0	0
75	M72A	X	.378	.378	0	0
76	M72A	Z	1.134	1.134	0	0
77	M82	X	.314	.314	0	0
78	M82	Z	.943	.943	0	0
79	M83	X	.629	.629	0	0
80	M83	Z	1.886	1.886	0	0
81	M84	X	.314	.314	0	0
82	M84	Z	.943	.943	0	0
83	M97	X	.378	.378	0	0
84	M97	Z	1.134	1.134	0	0
85	M98	X	.756	.756	0	0
86	M98	Z	2.268	2.268	0	0
87	M99	X	.378	.378	0	0
88	M99	Z	1.134	1.134	0	0
89	M109	X	.314	.314	0	0
90	M109	Z	.943	.943	0	0
91	M110	X	.629	.629	0	0
92	M110	Z	1.886	1.886	0	0
93	M111	X	.314	.314	0	0
94	M111	Z	.943	.943	0	0
95	M112	X	.693	.693	0	0
96	M112	Z	2.079	2.079	0	0
97	M113	X	.185	.185	0	0
98	M113	Z	.555	.555	0	0
99	M120A	X	.378	.378	0	0
100	M120A	Z	1.134	1.134	0	0
101	M121A	X	.756	.756	0	0
102	M121A	Z	2.268	2.268	0	0
103	M122A	X	.378	.378	0	0
104	M122A	Z	1.134	1.134	0	0
105	M123A	X	.185	.185	0	0
106	M123A	Z	.555	.555	0	0
107	M118	X	.693	.693	0	0
108	M118	Z	2.079	2.079	0	0
109	M119	X	.63	.63	0	0
110	M119	Z	1.889	1.889	0	0
111	M120	X	.63	.63	0	0
112	M120	Z	1.889	1.889	0	0
113	M121	X	.693	.693	0	0
114	M121	Z	2.079	2.079	0	0
115	M122	X	.185	.185	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
116	M122	Z	.555	.555	0	0
117	M123	X	.185	.185	0	0
118	M123	Z	.555	.555	0	0
119		X	.693	.693	0	0
120		Z	2.079	2.079	0	0
121		X	.63	.63	0	0
122		Z	1.889	1.889	0	0
123		X	.63	.63	0	0
124		Z	1.889	1.889	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	Z	2.689	2.689	0	0
2	A2	Z	2.689	2.689	0	0
3	A3	Z	2.689	2.689	0	0
4	B1	Z	2.689	2.689	%95	%100
5	B2	Z	2.689	2.689	%99.9	%100
6	B3	Z	2.689	2.689	%50	%100
7	C1	Z	2.689	2.689	%95	%100
8	C2	Z	2.689	2.689	%99.9	%100
9	C3	Z	2.689	2.689	%50	%100
10	M1	Z	4.185	4.185	0	0
11	M7	Z	2.092	2.092	0	0
12	M8	Z	4.651	4.651	0	0
13	M10	Z	3.273	3.273	0	0
14	M12	Z	3.273	3.273	0	0
15	M13	Z	2.092	2.092	0	0
16	M14	Z	4.651	4.651	0	0
17	M16	Z	3.273	3.273	0	0
18	M18	Z	3.273	3.273	0	0
19	M19	Z	3.273	3.273	0	0
20	M20	Z	3.273	3.273	0	0
21	M25	Z	5.712	5.712	0	0
22	M28	Z	5.712	5.712	0	0
23	M32	Z	3.273	3.273	0	0
24	M33	Z	3.273	3.273	0	0
25	M37	Z	3.273	3.273	0	0
26	M38	Z	3.273	3.273	0	0
27	M43	Z	3.273	3.273	0	0
28	M45	Z	3.273	3.273	0	0
29	M71	Z	2.618	2.618	0	0
30	M72A	Z	2.618	2.618	0	0
31	M82	Z	2.178	2.178	0	0
32	M83	Z	2.178	2.178	0	0
33	M98	Z	2.618	2.618	0	0
34	M99	Z	2.618	2.618	0	0
35	M109	Z	2.178	2.178	0	0
36	M110	Z	2.178	2.178	0	0
37	M112	Z	1.837	1.837	0	0
38	M113	Z	1.837	1.837	0	0
39	M120A	Z	2.618	2.618	0	0
40	M121A	Z	2.618	2.618	0	0
41	M123A	Z	1.425	1.425	0	0
42	M118	Z	3.028	3.028	0	0
43	M119	Z	3.028	3.028	0	0
44	M120	Z	1.425	1.425	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
45	M121	Z	1.837	1.837	0	0
46	M122	Z	1.837	1.837	0	0
47	M123	Z	1.425	1.425	0	0
48		Z	3.028	3.028	0	0
49		Z	3.028	3.028	0	0
50		Z	1.425	1.425	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-.672	-.672	0	0
2	A1	Z	2.017	2.017	0	0
3	A2	X	-.672	-.672	0	0
4	A2	Z	2.017	2.017	0	0
5	A3	X	-.672	-.672	0	0
6	A3	Z	2.017	2.017	0	0
7	B1	X	-.672	-.672	%95	%100
8	B1	Z	2.017	2.017	%95	%100
9	B2	X	-.672	-.672	%99.9	%100
10	B2	Z	2.017	2.017	%99.9	%100
11	B3	X	-.672	-.672	%50	%100
12	B3	Z	2.017	2.017	%50	%100
13	C1	X	-.672	-.672	0	0
14	C1	Z	2.017	2.017	0	0
15	C2	X	-.672	-.672	0	0
16	C2	Z	2.017	2.017	0	0
17	C3	X	-.672	-.672	0	0
18	C3	Z	2.017	2.017	0	0
19	M1	X	-.906	-.906	0	0
20	M1	Z	2.718	2.718	0	0
21	M2	X	-.671	-.671	0	0
22	M2	Z	2.014	2.014	0	0
23	M4	X	-.472	-.472	0	0
24	M4	Z	1.417	1.417	0	0
25	M6	X	-.472	-.472	0	0
26	M6	Z	1.417	1.417	0	0
27	M8	X	-1.343	-1.343	0	0
28	M8	Z	4.028	4.028	0	0
29	M10	X	-.945	-.945	0	0
30	M10	Z	2.835	2.835	0	0
31	M12	X	-.945	-.945	0	0
32	M12	Z	2.835	2.835	0	0
33	M13	X	-.906	-.906	0	0
34	M13	Z	2.718	2.718	0	0
35	M14	X	-.671	-.671	0	0
36	M14	Z	2.014	2.014	0	0
37	M16	X	-.472	-.472	0	0
38	M16	Z	1.417	1.417	0	0
39	M18	X	-.472	-.472	0	0
40	M18	Z	1.417	1.417	0	0
41	M19	X	-.945	-.945	0	0
42	M19	Z	2.835	2.835	0	0
43	M20	X	-.472	-.472	0	0
44	M20	Z	1.417	1.417	0	0
45	M21	X	-.472	-.472	0	0
46	M21	Z	1.417	1.417	0	0
47	M22	X	-.824	-.824	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
48	M22	Z	2.473	2.473	0	0
49	M25	X	-.824	-.824	0	0
50	M25	Z	2.473	2.473	0	0
51	M28	X	-1.649	-1.649	0	0
52	M28	Z	4.946	4.946	0	0
53	M31	X	-.472	-.472	0	0
54	M31	Z	1.417	1.417	0	0
55	M32	X	-.945	-.945	0	0
56	M32	Z	2.835	2.835	0	0
57	M33	X	-.472	-.472	0	0
58	M33	Z	1.417	1.417	0	0
59	M37	X	-.945	-.945	0	0
60	M37	Z	2.835	2.835	0	0
61	M38	X	-.472	-.472	0	0
62	M38	Z	1.417	1.417	0	0
63	M39	X	-.472	-.472	0	0
64	M39	Z	1.417	1.417	0	0
65	M43	X	-.472	-.472	0	0
66	M43	Z	1.417	1.417	0	0
67	M44	X	-.472	-.472	0	0
68	M44	Z	1.417	1.417	0	0
69	M45	X	-.945	-.945	0	0
70	M45	Z	2.835	2.835	0	0
71	M70	X	-.378	-.378	0	0
72	M70	Z	1.134	1.134	0	0
73	M71	X	-.378	-.378	0	0
74	M71	Z	1.134	1.134	0	0
75	M72A	X	-.756	-.756	0	0
76	M72A	Z	2.268	2.268	0	0
77	M82	X	-.629	-.629	0	0
78	M82	Z	1.886	1.886	0	0
79	M83	X	-.314	-.314	0	0
80	M83	Z	.943	.943	0	0
81	M84	X	-.314	-.314	0	0
82	M84	Z	.943	.943	0	0
83	M97	X	-.378	-.378	0	0
84	M97	Z	1.134	1.134	0	0
85	M98	X	-.378	-.378	0	0
86	M98	Z	1.134	1.134	0	0
87	M99	X	-.756	-.756	0	0
88	M99	Z	2.268	2.268	0	0
89	M109	X	-.629	-.629	0	0
90	M109	Z	1.886	1.886	0	0
91	M110	X	-.314	-.314	0	0
92	M110	Z	.943	.943	0	0
93	M111	X	-.314	-.314	0	0
94	M111	Z	.943	.943	0	0
95	M112	X	-.185	-.185	0	0
96	M112	Z	.555	.555	0	0
97	M113	X	-.693	-.693	0	0
98	M113	Z	2.079	2.079	0	0
99	M120A	X	-.756	-.756	0	0
100	M120A	Z	2.268	2.268	0	0
101	M121A	X	-.378	-.378	0	0
102	M121A	Z	1.134	1.134	0	0
103	M122A	X	-.378	-.378	0	0
104	M122A	Z	1.134	1.134	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
105	M123A	X	-.63	-.63	0	0
106	M123A	Z	1.889	1.889	0	0
107	M118	X	-.63	-.63	0	0
108	M118	Z	1.889	1.889	0	0
109	M119	X	-.693	-.693	0	0
110	M119	Z	2.079	2.079	0	0
111	M120	X	-.185	-.185	0	0
112	M120	Z	.555	.555	0	0
113	M121	X	-.185	-.185	0	0
114	M121	Z	.555	.555	0	0
115	M122	X	-.693	-.693	0	0
116	M122	Z	2.079	2.079	0	0
117	M123	X	-.63	-.63	0	0
118	M123	Z	1.889	1.889	0	0
119		X	-.63	-.63	0	0
120		Z	1.889	1.889	0	0
121		X	-.693	-.693	0	0
122		Z	2.079	2.079	0	0
123		X	-.185	-.185	0	0
124		Z	.555	.555	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-2.017	-2.017	%95	%100
2	A1	Z	.672	.672	%95	%100
3	A2	X	-2.017	-2.017	%99.9	%100
4	A2	Z	.672	.672	%99.9	%100
5	A3	X	-2.017	-2.017	%50	%100
6	A3	Z	.672	.672	%50	%100
7	B1	X	-2.017	-2.017	%95	%100
8	B1	Z	.672	.672	%95	%100
9	B2	X	-2.017	-2.017	%99.9	%100
10	B2	Z	.672	.672	%99.9	%100
11	B3	X	-2.017	-2.017	%50	%100
12	B3	Z	.672	.672	%50	%100
13	C1	X	-2.017	-2.017	0	0
14	C1	Z	.672	.672	0	0
15	C2	X	-2.017	-2.017	0	0
16	C2	Z	.672	.672	0	0
17	C3	X	-2.017	-2.017	0	0
18	C3	Z	.672	.672	0	0
19	M1	X	-1.569	-1.569	0	0
20	M1	Z	.523	.523	0	0
21	M2	X	-3.488	-3.488	0	0
22	M2	Z	1.163	1.163	0	0
23	M4	X	-2.455	-2.455	0	0
24	M4	Z	.818	.818	0	0
25	M6	X	-2.455	-2.455	0	0
26	M6	Z	.818	.818	0	0
27	M7	X	-1.569	-1.569	0	0
28	M7	Z	.523	.523	0	0
29	M8	X	-3.488	-3.488	0	0
30	M8	Z	1.163	1.163	0	0
31	M10	X	-2.455	-2.455	0	0
32	M10	Z	.818	.818	0	0
33	M12	X	-2.455	-2.455	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
34	M12	Z	.818	.818	0	0
35	M13	X	-3.139	-3.139	0	0
36	M13	Z	1.046	1.046	0	0
37	M19	X	-2.455	-2.455	0	0
38	M19	Z	.818	.818	0	0
39	M21	X	-2.455	-2.455	0	0
40	M21	Z	.818	.818	0	0
41	M22	X	-4.284	-4.284	0	0
42	M22	Z	1.428	1.428	0	0
43	M28	X	-4.284	-4.284	0	0
44	M28	Z	1.428	1.428	0	0
45	M31	X	-2.455	-2.455	0	0
46	M31	Z	.818	.818	0	0
47	M32	X	-2.455	-2.455	0	0
48	M32	Z	.818	.818	0	0
49	M37	X	-2.455	-2.455	0	0
50	M37	Z	.818	.818	0	0
51	M39	X	-2.455	-2.455	0	0
52	M39	Z	.818	.818	0	0
53	M44	X	-2.455	-2.455	0	0
54	M44	Z	.818	.818	0	0
55	M45	X	-2.455	-2.455	0	0
56	M45	Z	.818	.818	0	0
57	M70	X	-1.964	-1.964	0	0
58	M70	Z	.655	.655	0	0
59	M72A	X	-1.964	-1.964	0	0
60	M72A	Z	.655	.655	0	0
61	M82	X	-1.634	-1.634	0	0
62	M82	Z	.545	.545	0	0
63	M84	X	-1.634	-1.634	0	0
64	M84	Z	.545	.545	0	0
65	M97	X	-1.964	-1.964	0	0
66	M97	Z	.655	.655	0	0
67	M99	X	-1.964	-1.964	0	0
68	M99	Z	.655	.655	0	0
69	M109	X	-1.634	-1.634	0	0
70	M109	Z	.545	.545	0	0
71	M111	X	-1.634	-1.634	0	0
72	M111	Z	.545	.545	0	0
73	M112	X	-1.069	-1.069	0	0
74	M112	Z	.356	.356	0	0
75	M113	X	-2.271	-2.271	0	0
76	M113	Z	.757	.757	0	0
77	M120A	X	-1.964	-1.964	0	0
78	M120A	Z	.655	.655	0	0
79	M122A	X	-1.964	-1.964	0	0
80	M122A	Z	.655	.655	0	0
81	M123A	X	-2.271	-2.271	0	0
82	M123A	Z	.757	.757	0	0
83	M118	X	-1.069	-1.069	0	0
84	M118	Z	.356	.356	0	0
85	M119	X	-1.378	-1.378	0	0
86	M119	Z	.459	.459	0	0
87	M120	X	-1.378	-1.378	0	0
88	M120	Z	.459	.459	0	0
89	M121	X	-1.069	-1.069	0	0
90	M121	Z	.356	.356	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
91	M122	X	-2.271	-2.271	0	0
92	M122	Z	.757	.757	0	0
93	M123	X	-2.271	-2.271	0	0
94	M123	Z	.757	.757	0	0
95		X	-1.069	-1.069	0	0
96		Z	.356	.356	0	0
97		X	-1.378	-1.378	0	0
98		Z	.459	.459	0	0
99		X	-1.378	-1.378	0	0
100		Z	.459	.459	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-2.689	-2.689	%95	%100
2	A2	X	-2.689	-2.689	%99.9	%100
3	A3	X	-2.689	-2.689	%50	%100
4	B1	X	-2.689	-2.689	0	0
5	B2	X	-2.689	-2.689	0	0
6	B3	X	-2.689	-2.689	0	0
7	C1	X	-2.689	-2.689	0	0
8	C2	X	-2.689	-2.689	0	0
9	C3	X	-2.689	-2.689	0	0
10	M2	X	-5.371	-5.371	0	0
11	M4	X	-3.78	-3.78	0	0
12	M6	X	-3.78	-3.78	0	0
13	M7	X	-3.624	-3.624	0	0
14	M8	X	-2.685	-2.685	0	0
15	M10	X	-1.89	-1.89	0	0
16	M12	X	-1.89	-1.89	0	0
17	M13	X	-3.624	-3.624	0	0
18	M14	X	-2.685	-2.685	0	0
19	M16	X	-1.89	-1.89	0	0
20	M18	X	-1.89	-1.89	0	0
21	M19	X	-1.89	-1.89	0	0
22	M20	X	-1.89	-1.89	0	0
23	M21	X	-3.78	-3.78	0	0
24	M22	X	-6.595	-6.595	0	0
25	M25	X	-3.298	-3.298	0	0
26	M28	X	-3.298	-3.298	0	0
27	M31	X	-3.78	-3.78	0	0
28	M32	X	-1.89	-1.89	0	0
29	M33	X	-1.89	-1.89	0	0
30	M37	X	-1.89	-1.89	0	0
31	M38	X	-1.89	-1.89	0	0
32	M39	X	-3.78	-3.78	0	0
33	M43	X	-1.89	-1.89	0	0
34	M44	X	-3.78	-3.78	0	0
35	M45	X	-1.89	-1.89	0	0
36	M70	X	-3.023	-3.023	0	0
37	M71	X	-1.512	-1.512	0	0
38	M72A	X	-1.512	-1.512	0	0
39	M82	X	-1.258	-1.258	0	0
40	M83	X	-1.258	-1.258	0	0
41	M84	X	-2.515	-2.515	0	0
42	M97	X	-3.023	-3.023	0	0
43	M98	X	-1.512	-1.512	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
44	M99	X	-1.512	-1.512	0	0
45	M109	X	-1.258	-1.258	0	0
46	M110	X	-1.258	-1.258	0	0
47	M111	X	-2.515	-2.515	0	0
48	M112	X	-2.518	-2.518	0	0
49	M113	X	-2.518	-2.518	0	0
50	M120A	X	-1.512	-1.512	0	0
51	M121A	X	-1.512	-1.512	0	0
52	M122A	X	-3.023	-3.023	0	0
53	M123A	X	-2.772	-2.772	0	0
54	M118	X	-.74	-.74	0	0
55	M119	X	-.74	-.74	0	0
56	M120	X	-2.772	-2.772	0	0
57	M121	X	-2.518	-2.518	0	0
58	M122	X	-2.518	-2.518	0	0
59	M123	X	-2.772	-2.772	0	0
60		X	-.74	-.74	0	0
61		X	-.74	-.74	0	0
62		X	-2.772	-2.772	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-2.017	-2.017	%95	%100
2	A1	Z	-.672	-.672	%95	%100
3	A2	X	-2.017	-2.017	%99.9	%100
4	A2	Z	-.672	-.672	%99.9	%100
5	A3	X	-2.017	-2.017	%50	%100
6	A3	Z	-.672	-.672	%50	%100
7	B1	X	-2.017	-2.017	0	0
8	B1	Z	-.672	-.672	0	0
9	B2	X	-2.017	-2.017	0	0
10	B2	Z	-.672	-.672	0	0
11	B3	X	-2.017	-2.017	0	0
12	B3	Z	-.672	-.672	0	0
13	C1	X	-2.017	-2.017	%95	%100
14	C1	Z	-.672	-.672	%95	%100
15	C2	X	-2.017	-2.017	%99.9	%100
16	C2	Z	-.672	-.672	%99.9	%100
17	C3	X	-2.017	-2.017	%50	%100
18	C3	Z	-.672	-.672	%50	%100
19	M1	X	-1.569	-1.569	0	0
20	M1	Z	-.523	-.523	0	0
21	M2	X	-3.488	-3.488	0	0
22	M2	Z	-1.163	-1.163	0	0
23	M4	X	-2.455	-2.455	0	0
24	M4	Z	-.818	-.818	0	0
25	M6	X	-2.455	-2.455	0	0
26	M6	Z	-.818	-.818	0	0
27	M7	X	-3.139	-3.139	0	0
28	M7	Z	-1.046	-1.046	0	0
29	M13	X	-1.569	-1.569	0	0
30	M13	Z	-.523	-.523	0	0
31	M14	X	-3.488	-3.488	0	0
32	M14	Z	-1.163	-1.163	0	0
33	M16	X	-2.455	-2.455	0	0
34	M16	Z	-.818	-.818	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
35	M18	X	-2.455	-2.455	0	0
36	M18	Z	-.818	-.818	0	0
37	M20	X	-2.455	-2.455	0	0
38	M20	Z	-.818	-.818	0	0
39	M21	X	-2.455	-2.455	0	0
40	M21	Z	-.818	-.818	0	0
41	M22	X	-4.284	-4.284	0	0
42	M22	Z	-1.428	-1.428	0	0
43	M25	X	-4.284	-4.284	0	0
44	M25	Z	-1.428	-1.428	0	0
45	M31	X	-2.455	-2.455	0	0
46	M31	Z	-.818	-.818	0	0
47	M33	X	-2.455	-2.455	0	0
48	M33	Z	-.818	-.818	0	0
49	M38	X	-2.455	-2.455	0	0
50	M38	Z	-.818	-.818	0	0
51	M39	X	-2.455	-2.455	0	0
52	M39	Z	-.818	-.818	0	0
53	M43	X	-2.455	-2.455	0	0
54	M43	Z	-.818	-.818	0	0
55	M44	X	-2.455	-2.455	0	0
56	M44	Z	-.818	-.818	0	0
57	M70	X	-1.964	-1.964	0	0
58	M70	Z	-.655	-.655	0	0
59	M71	X	-1.964	-1.964	0	0
60	M71	Z	-.655	-.655	0	0
61	M83	X	-1.634	-1.634	0	0
62	M83	Z	-.545	-.545	0	0
63	M84	X	-1.634	-1.634	0	0
64	M84	Z	-.545	-.545	0	0
65	M97	X	-1.964	-1.964	0	0
66	M97	Z	-.655	-.655	0	0
67	M98	X	-1.964	-1.964	0	0
68	M98	Z	-.655	-.655	0	0
69	M110	X	-1.634	-1.634	0	0
70	M110	Z	-.545	-.545	0	0
71	M111	X	-1.634	-1.634	0	0
72	M111	Z	-.545	-.545	0	0
73	M112	X	-2.271	-2.271	0	0
74	M112	Z	-.757	-.757	0	0
75	M113	X	-1.069	-1.069	0	0
76	M113	Z	-.356	-.356	0	0
77	M121A	X	-1.964	-1.964	0	0
78	M121A	Z	-.655	-.655	0	0
79	M122A	X	-1.964	-1.964	0	0
80	M122A	Z	-.655	-.655	0	0
81	M123A	X	-1.378	-1.378	0	0
82	M123A	Z	-.459	-.459	0	0
83	M118	X	-1.378	-1.378	0	0
84	M118	Z	-.459	-.459	0	0
85	M119	X	-1.069	-1.069	0	0
86	M119	Z	-.356	-.356	0	0
87	M120	X	-2.271	-2.271	0	0
88	M120	Z	-.757	-.757	0	0
89	M121	X	-2.271	-2.271	0	0
90	M121	Z	-.757	-.757	0	0
91	M122	X	-1.069	-1.069	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
92	M122	Z	-.356	-.356	0	0
93	M123	X	-1.378	-1.378	0	0
94	M123	Z	-.459	-.459	0	0
95		X	-1.378	-1.378	0	0
96		Z	-.459	-.459	0	0
97		X	-1.069	-1.069	0	0
98		Z	-.356	-.356	0	0
99		X	-2.271	-2.271	0	0
100		Z	-.757	-.757	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	-.672	-.672	0	0
2	A1	Z	-2.017	-2.017	0	0
3	A2	X	-.672	-.672	0	0
4	A2	Z	-2.017	-2.017	0	0
5	A3	X	-.672	-.672	0	0
6	A3	Z	-2.017	-2.017	0	0
7	B1	X	-.672	-.672	0	0
8	B1	Z	-2.017	-2.017	0	0
9	B2	X	-.672	-.672	0	0
10	B2	Z	-2.017	-2.017	0	0
11	B3	X	-.672	-.672	0	0
12	B3	Z	-2.017	-2.017	0	0
13	C1	X	-.672	-.672	%95	%100
14	C1	Z	-2.017	-2.017	%95	%100
15	C2	X	-.672	-.672	%99.9	%100
16	C2	Z	-2.017	-2.017	%99.9	%100
17	C3	X	-.672	-.672	%50	%100
18	C3	Z	-2.017	-2.017	%50	%100
19	M1	X	-.906	-.906	0	0
20	M1	Z	-2.718	-2.718	0	0
21	M2	X	-.671	-.671	0	0
22	M2	Z	-2.014	-2.014	0	0
23	M4	X	-.472	-.472	0	0
24	M4	Z	-1.417	-1.417	0	0
25	M6	X	-.472	-.472	0	0
26	M6	Z	-1.417	-1.417	0	0
27	M7	X	-.906	-.906	0	0
28	M7	Z	-2.718	-2.718	0	0
29	M8	X	-.671	-.671	0	0
30	M8	Z	-2.014	-2.014	0	0
31	M10	X	-.472	-.472	0	0
32	M10	Z	-1.417	-1.417	0	0
33	M12	X	-.472	-.472	0	0
34	M12	Z	-1.417	-1.417	0	0
35	M14	X	-1.343	-1.343	0	0
36	M14	Z	-4.028	-4.028	0	0
37	M16	X	-.945	-.945	0	0
38	M16	Z	-2.835	-2.835	0	0
39	M18	X	-.945	-.945	0	0
40	M18	Z	-2.835	-2.835	0	0
41	M19	X	-.472	-.472	0	0
42	M19	Z	-1.417	-1.417	0	0
43	M20	X	-.945	-.945	0	0
44	M20	Z	-2.835	-2.835	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
45	M21	X	-.472	-.472	0	0
46	M21	Z	-1.417	-1.417	0	0
47	M22	X	-.824	-.824	0	0
48	M22	Z	-2.473	-2.473	0	0
49	M25	X	-1.649	-1.649	0	0
50	M25	Z	-4.946	-4.946	0	0
51	M28	X	-.824	-.824	0	0
52	M28	Z	-2.473	-2.473	0	0
53	M31	X	-.472	-.472	0	0
54	M31	Z	-1.417	-1.417	0	0
55	M32	X	-.472	-.472	0	0
56	M32	Z	-1.417	-1.417	0	0
57	M33	X	-.945	-.945	0	0
58	M33	Z	-2.835	-2.835	0	0
59	M37	X	-.472	-.472	0	0
60	M37	Z	-1.417	-1.417	0	0
61	M38	X	-.945	-.945	0	0
62	M38	Z	-2.835	-2.835	0	0
63	M39	X	-.472	-.472	0	0
64	M39	Z	-1.417	-1.417	0	0
65	M43	X	-.945	-.945	0	0
66	M43	Z	-2.835	-2.835	0	0
67	M44	X	-.472	-.472	0	0
68	M44	Z	-1.417	-1.417	0	0
69	M45	X	-.472	-.472	0	0
70	M45	Z	-1.417	-1.417	0	0
71	M70	X	-.378	-.378	0	0
72	M70	Z	-1.134	-1.134	0	0
73	M71	X	-.756	-.756	0	0
74	M71	Z	-2.268	-2.268	0	0
75	M72A	X	-.378	-.378	0	0
76	M72A	Z	-1.134	-1.134	0	0
77	M82	X	-.314	-.314	0	0
78	M82	Z	-.943	-.943	0	0
79	M83	X	-.629	-.629	0	0
80	M83	Z	-1.886	-1.886	0	0
81	M84	X	-.314	-.314	0	0
82	M84	Z	-.943	-.943	0	0
83	M97	X	-.378	-.378	0	0
84	M97	Z	-1.134	-1.134	0	0
85	M98	X	-.756	-.756	0	0
86	M98	Z	-2.268	-2.268	0	0
87	M99	X	-.378	-.378	0	0
88	M99	Z	-1.134	-1.134	0	0
89	M109	X	-.314	-.314	0	0
90	M109	Z	-.943	-.943	0	0
91	M110	X	-.629	-.629	0	0
92	M110	Z	-1.886	-1.886	0	0
93	M111	X	-.314	-.314	0	0
94	M111	Z	-.943	-.943	0	0
95	M112	X	-.693	-.693	0	0
96	M112	Z	-2.079	-2.079	0	0
97	M113	X	-.185	-.185	0	0
98	M113	Z	-.555	-.555	0	0
99	M120A	X	-.378	-.378	0	0
100	M120A	Z	-1.134	-1.134	0	0
101	M121A	X	-.756	-.756	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
102	M121A	Z	-2.268	-2.268	0	0
103	M122A	X	-.378	-.378	0	0
104	M122A	Z	-1.134	-1.134	0	0
105	M123A	X	-.185	-.185	0	0
106	M123A	Z	-.555	-.555	0	0
107	M118	X	-.693	-.693	0	0
108	M118	Z	-2.079	-2.079	0	0
109	M119	X	-.63	-.63	0	0
110	M119	Z	-1.889	-1.889	0	0
111	M120	X	-.63	-.63	0	0
112	M120	Z	-1.889	-1.889	0	0
113	M121	X	-.693	-.693	0	0
114	M121	Z	-2.079	-2.079	0	0
115	M122	X	-.185	-.185	0	0
116	M122	Z	-.555	-.555	0	0
117	M123	X	-.185	-.185	0	0
118	M123	Z	-.555	-.555	0	0
119		X	-.693	-.693	0	0
120		Z	-2.079	-2.079	0	0
121		X	-.63	-.63	0	0
122		Z	-1.889	-1.889	0	0
123		X	-.63	-.63	0	0
124		Z	-1.889	-1.889	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	Z	-2.689	-2.689	0	0
2	A2	Z	-2.689	-2.689	0	0
3	A3	Z	-2.689	-2.689	0	0
4	B1	Z	-2.689	-2.689	%95	%100
5	B2	Z	-2.689	-2.689	%99.9	%100
6	B3	Z	-2.689	-2.689	%50	%100
7	C1	Z	-2.689	-2.689	%95	%100
8	C2	Z	-2.689	-2.689	%99.9	%100
9	C3	Z	-2.689	-2.689	%50	%100
10	M1	Z	-4.185	-4.185	0	0
11	M7	Z	-2.092	-2.092	0	0
12	M8	Z	-4.651	-4.651	0	0
13	M10	Z	-3.273	-3.273	0	0
14	M12	Z	-3.273	-3.273	0	0
15	M13	Z	-2.092	-2.092	0	0
16	M14	Z	-4.651	-4.651	0	0
17	M16	Z	-3.273	-3.273	0	0
18	M18	Z	-3.273	-3.273	0	0
19	M19	Z	-3.273	-3.273	0	0
20	M20	Z	-3.273	-3.273	0	0
21	M25	Z	-5.712	-5.712	0	0
22	M28	Z	-5.712	-5.712	0	0
23	M32	Z	-3.273	-3.273	0	0
24	M33	Z	-3.273	-3.273	0	0
25	M37	Z	-3.273	-3.273	0	0
26	M38	Z	-3.273	-3.273	0	0
27	M43	Z	-3.273	-3.273	0	0
28	M45	Z	-3.273	-3.273	0	0
29	M71	Z	-2.618	-2.618	0	0
30	M72A	Z	-2.618	-2.618	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
31	M82	Z	-2.178	-2.178	0	0
32	M83	Z	-2.178	-2.178	0	0
33	M98	Z	-2.618	-2.618	0	0
34	M99	Z	-2.618	-2.618	0	0
35	M109	Z	-2.178	-2.178	0	0
36	M110	Z	-2.178	-2.178	0	0
37	M112	Z	-1.837	-1.837	0	0
38	M113	Z	-1.837	-1.837	0	0
39	M120A	Z	-2.618	-2.618	0	0
40	M121A	Z	-2.618	-2.618	0	0
41	M123A	Z	-1.425	-1.425	0	0
42	M118	Z	-3.028	-3.028	0	0
43	M119	Z	-3.028	-3.028	0	0
44	M120	Z	-1.425	-1.425	0	0
45	M121	Z	-1.837	-1.837	0	0
46	M122	Z	-1.837	-1.837	0	0
47	M123	Z	-1.425	-1.425	0	0
48		Z	-3.028	-3.028	0	0
49		Z	-3.028	-3.028	0	0
50		Z	-1.425	-1.425	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	.672	.672	0	0
2	A1	Z	-2.017	-2.017	0	0
3	A2	X	.672	.672	0	0
4	A2	Z	-2.017	-2.017	0	0
5	A3	X	.672	.672	0	0
6	A3	Z	-2.017	-2.017	0	0
7	B1	X	.672	.672	%95	%100
8	B1	Z	-2.017	-2.017	%95	%100
9	B2	X	.672	.672	%99.9	%100
10	B2	Z	-2.017	-2.017	%99.9	%100
11	B3	X	.672	.672	%50	%100
12	B3	Z	-2.017	-2.017	%50	%100
13	C1	X	.672	.672	0	0
14	C1	Z	-2.017	-2.017	0	0
15	C2	X	.672	.672	0	0
16	C2	Z	-2.017	-2.017	0	0
17	C3	X	.672	.672	0	0
18	C3	Z	-2.017	-2.017	0	0
19	M1	X	.906	.906	0	0
20	M1	Z	-2.718	-2.718	0	0
21	M2	X	.671	.671	0	0
22	M2	Z	-2.014	-2.014	0	0
23	M4	X	.472	.472	0	0
24	M4	Z	-1.417	-1.417	0	0
25	M6	X	.472	.472	0	0
26	M6	Z	-1.417	-1.417	0	0
27	M8	X	1.343	1.343	0	0
28	M8	Z	-4.028	-4.028	0	0
29	M10	X	.945	.945	0	0
30	M10	Z	-2.835	-2.835	0	0
31	M12	X	.945	.945	0	0
32	M12	Z	-2.835	-2.835	0	0
33	M13	X	.906	.906	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
34	M13	Z	-2.718	-2.718	0	0
35	M14	X	.671	.671	0	0
36	M14	Z	-2.014	-2.014	0	0
37	M16	X	.472	.472	0	0
38	M16	Z	-1.417	-1.417	0	0
39	M18	X	.472	.472	0	0
40	M18	Z	-1.417	-1.417	0	0
41	M19	X	.945	.945	0	0
42	M19	Z	-2.835	-2.835	0	0
43	M20	X	.472	.472	0	0
44	M20	Z	-1.417	-1.417	0	0
45	M21	X	.472	.472	0	0
46	M21	Z	-1.417	-1.417	0	0
47	M22	X	.824	.824	0	0
48	M22	Z	-2.473	-2.473	0	0
49	M25	X	.824	.824	0	0
50	M25	Z	-2.473	-2.473	0	0
51	M28	X	1.649	1.649	0	0
52	M28	Z	-4.946	-4.946	0	0
53	M31	X	.472	.472	0	0
54	M31	Z	-1.417	-1.417	0	0
55	M32	X	.945	.945	0	0
56	M32	Z	-2.835	-2.835	0	0
57	M33	X	.472	.472	0	0
58	M33	Z	-1.417	-1.417	0	0
59	M37	X	.945	.945	0	0
60	M37	Z	-2.835	-2.835	0	0
61	M38	X	.472	.472	0	0
62	M38	Z	-1.417	-1.417	0	0
63	M39	X	.472	.472	0	0
64	M39	Z	-1.417	-1.417	0	0
65	M43	X	.472	.472	0	0
66	M43	Z	-1.417	-1.417	0	0
67	M44	X	.472	.472	0	0
68	M44	Z	-1.417	-1.417	0	0
69	M45	X	.945	.945	0	0
70	M45	Z	-2.835	-2.835	0	0
71	M70	X	.378	.378	0	0
72	M70	Z	-1.134	-1.134	0	0
73	M71	X	.378	.378	0	0
74	M71	Z	-1.134	-1.134	0	0
75	M72A	X	.756	.756	0	0
76	M72A	Z	-2.268	-2.268	0	0
77	M82	X	.629	.629	0	0
78	M82	Z	-1.886	-1.886	0	0
79	M83	X	.314	.314	0	0
80	M83	Z	-.943	-.943	0	0
81	M84	X	.314	.314	0	0
82	M84	Z	-.943	-.943	0	0
83	M97	X	.378	.378	0	0
84	M97	Z	-1.134	-1.134	0	0
85	M98	X	.378	.378	0	0
86	M98	Z	-1.134	-1.134	0	0
87	M99	X	.756	.756	0	0
88	M99	Z	-2.268	-2.268	0	0
89	M109	X	.629	.629	0	0
90	M109	Z	-1.886	-1.886	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
91	M110	X	.314	.314	0	0
92	M110	Z	-.943	-.943	0	0
93	M111	X	.314	.314	0	0
94	M111	Z	-.943	-.943	0	0
95	M112	X	.185	.185	0	0
96	M112	Z	-.555	-.555	0	0
97	M113	X	.693	.693	0	0
98	M113	Z	-2.079	-2.079	0	0
99	M120A	X	.756	.756	0	0
100	M120A	Z	-2.268	-2.268	0	0
101	M121A	X	.378	.378	0	0
102	M121A	Z	-1.134	-1.134	0	0
103	M122A	X	.378	.378	0	0
104	M122A	Z	-1.134	-1.134	0	0
105	M123A	X	.63	.63	0	0
106	M123A	Z	-1.889	-1.889	0	0
107	M118	X	.63	.63	0	0
108	M118	Z	-1.889	-1.889	0	0
109	M119	X	.693	.693	0	0
110	M119	Z	-2.079	-2.079	0	0
111	M120	X	.185	.185	0	0
112	M120	Z	-.555	-.555	0	0
113	M121	X	.185	.185	0	0
114	M121	Z	-.555	-.555	0	0
115	M122	X	.693	.693	0	0
116	M122	Z	-2.079	-2.079	0	0
117	M123	X	.63	.63	0	0
118	M123	Z	-1.889	-1.889	0	0
119		X	.63	.63	0	0
120		Z	-1.889	-1.889	0	0
121		X	.693	.693	0	0
122		Z	-2.079	-2.079	0	0
123		X	.185	.185	0	0
124		Z	-.555	-.555	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	A1	X	2.017	2.017	%95	%100
2	A1	Z	-.672	-.672	%95	%100
3	A2	X	2.017	2.017	%99.9	%100
4	A2	Z	-.672	-.672	%99.9	%100
5	A3	X	2.017	2.017	%50	%100
6	A3	Z	-.672	-.672	%50	%100
7	B1	X	2.017	2.017	%95	%100
8	B1	Z	-.672	-.672	%95	%100
9	B2	X	2.017	2.017	%99.9	%100
10	B2	Z	-.672	-.672	%99.9	%100
11	B3	X	2.017	2.017	%50	%100
12	B3	Z	-.672	-.672	%50	%100
13	C1	X	2.017	2.017	0	0
14	C1	Z	-.672	-.672	0	0
15	C2	X	2.017	2.017	0	0
16	C2	Z	-.672	-.672	0	0
17	C3	X	2.017	2.017	0	0
18	C3	Z	-.672	-.672	0	0
19	M1	X	1.569	1.569	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
20	M1	Z	-.523	-.523	0	0
21	M2	X	3.488	3.488	0	0
22	M2	Z	-1.163	-1.163	0	0
23	M4	X	2.455	2.455	0	0
24	M4	Z	-.818	-.818	0	0
25	M6	X	2.455	2.455	0	0
26	M6	Z	-.818	-.818	0	0
27	M7	X	1.569	1.569	0	0
28	M7	Z	-.523	-.523	0	0
29	M8	X	3.488	3.488	0	0
30	M8	Z	-1.163	-1.163	0	0
31	M10	X	2.455	2.455	0	0
32	M10	Z	-.818	-.818	0	0
33	M12	X	2.455	2.455	0	0
34	M12	Z	-.818	-.818	0	0
35	M13	X	3.139	3.139	0	0
36	M13	Z	-1.046	-1.046	0	0
37	M19	X	2.455	2.455	0	0
38	M19	Z	-.818	-.818	0	0
39	M21	X	2.455	2.455	0	0
40	M21	Z	-.818	-.818	0	0
41	M22	X	4.284	4.284	0	0
42	M22	Z	-1.428	-1.428	0	0
43	M28	X	4.284	4.284	0	0
44	M28	Z	-1.428	-1.428	0	0
45	M31	X	2.455	2.455	0	0
46	M31	Z	-.818	-.818	0	0
47	M32	X	2.455	2.455	0	0
48	M32	Z	-.818	-.818	0	0
49	M37	X	2.455	2.455	0	0
50	M37	Z	-.818	-.818	0	0
51	M39	X	2.455	2.455	0	0
52	M39	Z	-.818	-.818	0	0
53	M44	X	2.455	2.455	0	0
54	M44	Z	-.818	-.818	0	0
55	M45	X	2.455	2.455	0	0
56	M45	Z	-.818	-.818	0	0
57	M70	X	1.964	1.964	0	0
58	M70	Z	-.655	-.655	0	0
59	M72A	X	1.964	1.964	0	0
60	M72A	Z	-.655	-.655	0	0
61	M82	X	1.634	1.634	0	0
62	M82	Z	-.545	-.545	0	0
63	M84	X	1.634	1.634	0	0
64	M84	Z	-.545	-.545	0	0
65	M97	X	1.964	1.964	0	0
66	M97	Z	-.655	-.655	0	0
67	M99	X	1.964	1.964	0	0
68	M99	Z	-.655	-.655	0	0
69	M109	X	1.634	1.634	0	0
70	M109	Z	-.545	-.545	0	0
71	M111	X	1.634	1.634	0	0
72	M111	Z	-.545	-.545	0	0
73	M112	X	1.069	1.069	0	0
74	M112	Z	-.356	-.356	0	0
75	M113	X	2.271	2.271	0	0
76	M113	Z	-.757	-.757	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
77	M120A	X	1.964	1.964	0	0
78	M120A	Z	-.655	-.655	0	0
79	M122A	X	1.964	1.964	0	0
80	M122A	Z	-.655	-.655	0	0
81	M123A	X	2.271	2.271	0	0
82	M123A	Z	-.757	-.757	0	0
83	M118	X	1.069	1.069	0	0
84	M118	Z	-.356	-.356	0	0
85	M119	X	1.378	1.378	0	0
86	M119	Z	-.459	-.459	0	0
87	M120	X	1.378	1.378	0	0
88	M120	Z	-.459	-.459	0	0
89	M121	X	1.069	1.069	0	0
90	M121	Z	-.356	-.356	0	0
91	M122	X	2.271	2.271	0	0
92	M122	Z	-.757	-.757	0	0
93	M123	X	2.271	2.271	0	0
94	M123	Z	-.757	-.757	0	0
95		X	1.069	1.069	0	0
96		Z	-.356	-.356	0	0
97		X	1.378	1.378	0	0
98		Z	-.459	-.459	0	0
99		X	1.378	1.378	0	0
100		Z	-.459	-.459	0	0

Member Distributed Loads (BLC 63 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	M8	Y	-1.693	-12.237	0	17
2	M8	Y	-12.237	-17.31	17	34
3	M8	Y	-17.31	-12.294	34	51
4	M8	Y	-12.294	-2.661	51	68
5	M22	Y	-1.055	-8.046	90	112.5
6	M22	Y	-8.046	-15.037	112.5	135
7	M25	Y	-20.613	-10.372	15	37.5
8	M25	Y	-10.372	-.131	37.5	60
9	M37	Y	-6.494	-6.494	0	10.5
10	M38	Y	-11.611	-11.611	1.492	7.5
11	M39	Y	-9.161	-9.161	1.492	7.5
12	M14	Y	-2.661	-12.292	0	17
13	M14	Y	-12.292	-17.308	17	34
14	M14	Y	-17.308	-12.236	34	51
15	M14	Y	-12.236	-1.694	51	68
16	M22	Y	-15.041	-8.048	15	37.5
17	M22	Y	-8.048	-1.054	37.5	60
18	M28	Y	-.131	-10.373	90	112.5
19	M28	Y	-10.373	-20.614	112.5	135
20	M43	Y	-6.494	-6.494	0	10.5
21	M44	Y	-9.159	-9.159	1.492	7.5
22	M45	Y	-11.608	-11.608	1.492	7.5
23	M2	Y	-2.661	-12.292	0	17
24	M2	Y	-12.292	-17.308	17	34
25	M2	Y	-17.308	-12.236	34	51
26	M2	Y	-12.236	-1.694	51	68
27	M25	Y	-.131	-10.373	90	112.5
28	M25	Y	-10.373	-20.614	112.5	135
29	M28	Y	-15.041	-8.048	15	37.5

Member Distributed Loads (BLC 63 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
30	M28	Y	-8.048	-1.054	37.5	60
31	M31	Y	-6.494	-6.494	0	10.5
32	M32	Y	-9.159	-9.159	1.492	7.5
33	M33	Y	-11.608	-11.608	1.492	7.5

Member Distributed Loads (BLC 64 : BLC 14 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[...	End Location[in,%]
1	M8	Y	-2.11	-15.252	0	17
2	M8	Y	-15.252	-21.574	17	34
3	M8	Y	-21.574	-15.322	34	51
4	M8	Y	-15.322	-3.316	51	68
5	M22	Y	-1.315	-10.028	90	112.5
6	M22	Y	-10.028	-18.74	112.5	135
7	M25	Y	-25.69	-12.926	15	37.5
8	M25	Y	-12.926	-.163	37.5	60
9	M37	Y	-8.094	-8.094	0	10.5
10	M38	Y	-14.471	-14.471	1.492	7.5
11	M39	Y	-11.418	-11.418	1.492	7.5
12	M14	Y	-3.317	-15.32	0	17
13	M14	Y	-15.32	-21.57	17	34
14	M14	Y	-21.57	-15.25	34	51
15	M14	Y	-15.25	-2.112	51	68
16	M22	Y	-18.746	-10.03	15	37.5
17	M22	Y	-10.03	-1.314	37.5	60
18	M28	Y	-.164	-12.928	90	112.5
19	M28	Y	-12.928	-25.692	112.5	135
20	M43	Y	-8.093	-8.093	0	10.5
21	M44	Y	-11.415	-11.415	1.492	7.5
22	M45	Y	-14.467	-14.467	1.492	7.5
23	M2	Y	-3.317	-15.32	0	17
24	M2	Y	-15.32	-21.57	17	34
25	M2	Y	-21.57	-15.25	34	51
26	M2	Y	-15.25	-2.112	51	68
27	M25	Y	-.164	-12.928	90	112.5
28	M25	Y	-12.928	-25.692	112.5	135
29	M28	Y	-18.746	-10.03	15	37.5
30	M28	Y	-10.03	-1.314	37.5	60
31	M31	Y	-8.093	-8.093	0	10.5
32	M32	Y	-11.415	-11.415	1.492	7.5
33	M33	Y	-14.467	-14.467	1.492	7.5

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu..	Area(M...	Surface...
1	Dead	DL		-1			48		3	
2	No Ice Wind 0 deg	None					48	62		
3	No Ice Wind 30 deg	None					96	100		
4	No Ice Wind 60 deg	None					96	124		
5	No Ice Wind 90 deg	None					48	50		
6	No Ice Wind 120 deg	None					96	124		
7	No Ice Wind 150 deg	None					96	100		
8	No Ice Wind 180 deg	None					48	62		
9	No Ice Wind 210 deg	None					96	100		
10	No Ice Wind 240 deg	None					96	124		
11	No Ice Wind 270 deg	None					48	50		
12	No Ice Wind 300 deg	None					96	124		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu..	Area(M...	Surface...
13	No Ice Wind 330 deg	None					96	100		
14	Ice Weight	None					48	63	3	
15	Ice Wind 0 deg	None					48	62		
16	Ice Wind 30 deg	None					96	100		
17	Ice Wind 60 deg	None					96	124		
18	Ice Wind 90 deg	None					48	50		
19	Ice Wind 120 deg	None					96	124		
20	Ice Wind 150 deg	None					96	100		
21	Ice Wind 180 deg	None					48	62		
22	Ice Wind 210 deg	None					96	100		
23	Ice Wind 240 deg	None					96	124		
24	Ice Wind 270 deg	None					48	50		
25	Ice Wind 300 deg	None					96	124		
26	Ice Wind 330 deg	None					96	100		
27	Live Load - A1	None					1			
28	Live Load - A2	None					1			
29	Live Load - A3	None					1			
30	Live Load - B1	None					1			
31	Live Load - B2	None					1			
32	Live Load - B3	None					1			
33	Live Load - C1	None					1			
34	Live Load - C2	None					1			
35	Live Load - C3	None					1			
36	Live Load - M1 (Start)	None					1			
37	Live Load - M1 (Middle)	None					1			
38	Live Load - M1 (End)	None					1			
39	Live Load - M2 (Start)	None					1			
40	Live Load - M2 (Middle)	None					1			
41	Live Load - M2 (End)	None					1			
42	Live Load - M7 (Start)	None					1			
43	Live Load - M7 (Middle)	None					1			
44	Live Load - M7 (End)	None					1			
45	Live Load - M8 (Start)	None					1			
46	Live Load - M8 (Middle)	None					1			
47	Live Load - M8 (End)	None					1			
48	Live Load - M13 (Start)	None					1			
49	Live Load - M13 (Middle)	None					1			
50	Live Load - M13 (End)	None					1			
51	Live Load - M14 (Start)	None					1			
52	Live Load - M14 (Middle)	None					1			
53	Live Load - M14 (End)	None					1			
54	Live Load - M22 (Start)	None					1			
55	Live Load - M22 (Middle)	None					1			
56	Live Load - M22 (End)	None					1			
57	Live Load - M25 (Start)	None					1			
58	Live Load - M25 (Middle)	None					1			
59	Live Load - M25 (End)	None					1			
60	Live Load - M28 (Start)	None					1			
61	Live Load - M28 (Middle)	None					1			
62	Live Load - M28 (End)	None					1			
63	BLC 1 Transient Area Loads	None						33		
64	BLC 14 Transient Area Loads	None						33		

Load Combinations

	Description	Sol...	PDelta	SR...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4 Dead	Yes	Y		1	1.4	0		0		0		0		0		0									
2	1.2 Dead + 1.0 Wind @ 0° - No Ice	Yes	Y		1	1.2	2	1	0		0		0		0		0									
3	0.9 Dead + 1.0 Wind @ 0° - No Ice	Yes	Y		1	.9	2	1	0		0		0		0		0									
4	1.2 Dead + 1.0 Wind @ 30° - No ...	Yes	Y		1	1.2	3	1	0		0		0		0		0									
5	0.9 Dead + 1.0 Wind @ 30° - No ...	Yes	Y		1	.9	3	1	0		0		0		0		0									
6	1.2 Dead + 1.0 Wind @ 60° - No ...	Yes	Y		1	1.2	4	1	0		0		0		0		0									
7	0.9 Dead + 1.0 Wind @ 60° - No ...	Yes	Y		1	.9	4	1	0		0		0		0		0									
8	1.2 Dead + 1.0 Wind @ 90° - No ...	Yes	Y		1	1.2	5	1	0		0		0		0		0									
9	0.9 Dead + 1.0 Wind @ 90° - No ...	Yes	Y		1	.9	5	1	0		0		0		0		0									
10	1.2 Dead + 1.0 Wind @ 120° - N...	Yes	Y		1	1.2	6	1	0		0		0		0		0									
11	0.9 Dead + 1.0 Wind @ 120° - N...	Yes	Y		1	.9	6	1	0		0		0		0		0									
12	1.2 Dead + 1.0 Wind @ 150° - N...	Yes	Y		1	1.2	7	1	0		0		0		0		0									
13	0.9 Dead + 1.0 Wind @ 150° - N...	Yes	Y		1	.9	7	1	0		0		0		0		0									
14	1.2 Dead + 1.0 Wind @ 180° - N...	Yes	Y		1	1.2	8	1	0		0		0		0		0									
15	0.9 Dead + 1.0 Wind @ 180° - N...	Yes	Y		1	.9	8	1	0		0		0		0		0									
16	1.2 Dead + 1.0 Wind @ 210° - N...	Yes	Y		1	1.2	9	1	0		0		0		0		0									
17	0.9 Dead + 1.0 Wind @ 210° - N...	Yes	Y		1	.9	9	1	0		0		0		0		0									
18	1.2 Dead + 1.0 Wind @ 240° - N...	Yes	Y		1	1.2	10	1	0		0		0		0		0									
19	0.9 Dead + 1.0 Wind @ 240° - N...	Yes	Y		1	.9	10	1	0		0		0		0		0									
20	1.2 Dead + 1.0 Wind @ 270° - N...	Yes	Y		1	1.2	11	1	0		0		0		0		0									
21	0.9 Dead + 1.0 Wind @ 270° - N...	Yes	Y		1	.9	11	1	0		0		0		0		0									
22	1.2 Dead + 1.0 Wind @ 300° - N...	Yes	Y		1	1.2	12	1	0		0		0		0		0									
23	0.9 Dead + 1.0 Wind @ 300° - N...	Yes	Y		1	.9	12	1	0		0		0		0		0									
24	1.2 Dead + 1.0 Wind @ 330° - N...	Yes	Y		1	1.2	13	1	0		0		0		0		0									
25	0.9 Dead + 1.0 Wind @ 330° - N...	Yes	Y		1	.9	13	1	0		0		0		0		0									
26	1.2 Dead + 1.0 Ice Wind @ 0°+ 1...	Yes	Y		1	1.2	15	1	14	1		1	0		0		0									
27	1.2 Dead + 1.0 Ice Wind @ 30°+ ...	Yes	Y		1	1.2	16	1	14	1		1	0		0		0									
28	1.2 Dead + 1.0 Ice Wind @ 60°+ ...	Yes	Y		1	1.2	17	1	14	1		1	0		0		0									
29	1.2 Dead + 1.0 Ice Wind @ 90°+ ...	Yes	Y		1	1.2	18	1	14	1		1	0		0		0									
30	1.2 Dead + 1.0 Ice Wind @ 120°...	Yes	Y		1	1.2	19	1	14	1		1	0		0		0									
31	1.2 Dead + 1.0 Ice Wind @ 150°...	Yes	Y		1	1.2	20	1	14	1		1	0		0		0									
32	1.2 Dead + 1.0 Ice Wind @ 180°...	Yes	Y		1	1.2	21	1	14	1		1	0		0		0									
33	1.2 Dead + 1.0 Ice Wind @ 210°...	Yes	Y		1	1.2	22	1	14	1		1	0		0		0									
34	1.2 Dead + 1.0 Ice Wind @ 240°...	Yes	Y		1	1.2	23	1	14	1		1	0		0		0									
35	1.2 Dead + 1.0 Ice Wind @ 270°...	Yes	Y		1	1.2	24	1	14	1		1	0		0		0									
36	1.2 Dead + 1.0 Ice Wind @ 300°...	Yes	Y		1	1.2	25	1	14	1		1	0		0		0									
37	1.2 Dead + 1.0 Ice Wind @ 330°...	Yes	Y		1	1.2	26	1	14	1		1	0		0		0									
38	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	2	.049	0		0		0		0									
39	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	3	.049	0		0		0		0									
40	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	4	.049	0		0		0		0									
41	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	5	.049	0		0		0		0									
42	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	6	.049	0		0		0		0									
43	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	7	.049	0		0		0		0									
44	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	8	.049	0		0		0		0									
45	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	9	.049	0		0		0		0									
46	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	10	.049	0		0		0		0									
47	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	11	.049	0		0		0		0									
48	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	12	.049	0		0		0		0									
49	1.2 Dead + 1.5 Live_M - A1 + 1.0...	Yes	Y		1	1.2	27	1.5	13	.049	0		0		0		0									
50	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	2	.049	0		0		0		0									
51	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	3	.049	0		0		0		0									
52	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	4	.049	0		0		0		0									
53	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	5	.049	0		0		0		0									
54	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	6	.049	0		0		0		0									
55	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	7	.049	0		0		0		0									
56	1.2 Dead + 1.5 Live_M - A2 + 1.0...	Yes	Y		1	1.2	28	1.5	8	.049	0		0		0		0									

Load Combinations (Continued)

	Description	Sol...	PDelta	SR...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
57	1.2 Dead + 1.5 Live_M - A2 + 1.0..	Yes	Y		1	1.2	28	1.5	9	.049	0		0		0		0		0					
58	1.2 Dead + 1.5 Live_M - A2 + 1.0..	Yes	Y		1	1.2	28	1.5	10	.049	0		0		0		0							
59	1.2 Dead + 1.5 Live_M - A2 + 1.0..	Yes	Y		1	1.2	28	1.5	11	.049	0		0		0		0							
60	1.2 Dead + 1.5 Live_M - A2 + 1.0..	Yes	Y		1	1.2	28	1.5	12	.049	0		0		0		0							
61	1.2 Dead + 1.5 Live_M - A2 + 1.0..	Yes	Y		1	1.2	28	1.5	13	.049	0		0		0		0							
62	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	2	.049	0		0		0		0							
63	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	3	.049	0		0		0		0							
64	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	4	.049	0		0		0		0							
65	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	5	.049	0		0		0		0							
66	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	6	.049	0		0		0		0							
67	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	7	.049	0		0		0		0							
68	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	8	.049	0		0		0		0							
69	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	9	.049	0		0		0		0							
70	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	10	.049	0		0		0		0							
71	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	11	.049	0		0		0		0							
72	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	12	.049	0		0		0		0							
73	1.2 Dead + 1.5 Live_M - A3 + 1.0..	Yes	Y		1	1.2	29	1.5	13	.049	0		0		0		0							
74	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	2	.049	0		0		0		0							
75	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	3	.049	0		0		0		0							
76	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	4	.049	0		0		0		0							
77	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	5	.049	0		0		0		0							
78	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	6	.049	0		0		0		0							
79	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	7	.049	0		0		0		0							
80	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	8	.049	0		0		0		0							
81	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	9	.049	0		0		0		0							
82	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	10	.049	0		0		0		0							
83	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	11	.049	0		0		0		0							
84	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	12	.049	0		0		0		0							
85	1.2 Dead + 1.5 Live_M - B1 + 1.0..	Yes	Y		1	1.2	30	1.5	13	.049	0		0		0		0							
86	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	2	.049	0		0		0		0							
87	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	3	.049	0		0		0		0							
88	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	4	.049	0		0		0		0							
89	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	5	.049	0		0		0		0							
90	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	6	.049	0		0		0		0							
91	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	7	.049	0		0		0		0							
92	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	8	.049	0		0		0		0							
93	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	9	.049	0		0		0		0							
94	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	10	.049	0		0		0		0							
95	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	11	.049	0		0		0		0							
96	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	12	.049	0		0		0		0							
97	1.2 Dead + 1.5 Live_M - B2 + 1.0..	Yes	Y		1	1.2	31	1.5	13	.049	0		0		0		0							
98	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	2	.049	0		0		0		0							
99	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	3	.049	0		0		0		0							
100	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	4	.049	0		0		0		0							
101	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	5	.049	0		0		0		0							
102	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	6	.049	0		0		0		0							
103	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	7	.049	0		0		0		0							
104	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	8	.049	0		0		0		0							
105	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	9	.049	0		0		0		0							
106	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	10	.049	0		0		0		0							
107	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	11	.049	0		0		0		0							
108	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	12	.049	0		0		0		0							
109	1.2 Dead + 1.5 Live_M - B3 + 1.0..	Yes	Y		1	1.2	32	1.5	13	.049	0		0		0		0							
110	1.2 Dead + 1.5 Live_M - C1 + 1.0..	Yes	Y		1	1.2	33	1.5	2	.049	0		0		0		0							
111	1.2 Dead + 1.5 Live_M - C1 + 1.0..	Yes	Y		1	1.2	33	1.5	3	.049	0		0		0		0							
112	1.2 Dead + 1.5 Live_M - C1 + 1.0..	Yes	Y		1	1.2	33	1.5	4	.049	0		0		0		0							
113	1.2 Dead + 1.5 Live_M - C1 + 1.0..	Yes	Y		1	1.2	33	1.5	5	.049	0		0		0		0							

Load Combinations (Continued)

	Description	Sol...	PDelta	SR...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
114	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	6	.049	0		0		0		0		0					
115	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	7	.049	0		0		0		0		0					
116	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	8	.049	0		0		0		0		0					
117	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	9	.049	0		0		0		0		0					
118	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	10	.049	0		0		0		0		0					
119	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	11	.049	0		0		0		0		0					
120	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	12	.049	0		0		0		0		0					
121	1.2 Dead + 1.5 Live_M - C1 + 1.0...	Yes	Y		1	1.2	33	1.5	13	.049	0		0		0		0		0					
122	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	2	.049	0		0		0		0		0					
123	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	3	.049	0		0		0		0		0					
124	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	4	.049	0		0		0		0		0					
125	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	5	.049	0		0		0		0		0					
126	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	6	.049	0		0		0		0		0					
127	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	7	.049	0		0		0		0		0					
128	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	8	.049	0		0		0		0		0					
129	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	9	.049	0		0		0		0		0					
130	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	10	.049	0		0		0		0		0					
131	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	11	.049	0		0		0		0		0					
132	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	12	.049	0		0		0		0		0					
133	1.2 Dead + 1.5 Live_M - C2 + 1.0...	Yes	Y		1	1.2	34	1.5	13	.049	0		0		0		0		0					
134	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	2	.049	0		0		0		0		0					
135	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	3	.049	0		0		0		0		0					
136	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	4	.049	0		0		0		0		0					
137	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	5	.049	0		0		0		0		0					
138	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	6	.049	0		0		0		0		0					
139	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	7	.049	0		0		0		0		0					
140	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	8	.049	0		0		0		0		0					
141	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	9	.049	0		0		0		0		0					
142	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	10	.049	0		0		0		0		0					
143	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	11	.049	0		0		0		0		0					
144	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	12	.049	0		0		0		0		0					
145	1.2 Dead + 1.5 Live_M - C3 + 1.0...	Yes	Y		1	1.2	35	1.5	13	.049	0		0		0		0		0					
146	1.2 Dead + 1.5 Live_V - M1 (Start)	Yes	Y		1	1.2	36	1.5	0		0		0		0		0		0					
147	1.2 Dead + 1.5 Live_V - M1 (Mid...	Yes	Y		1	1.2	37	1.5	0		0		0		0		0		0					
148	1.2 Dead + 1.5 Live_V - M1 (End)	Yes	Y		1	1.2	38	1.5	0		0		0		0		0		0					
149	1.2 Dead + 1.5 Live_V - M2 (Start)	Yes	Y		1	1.2	39	1.5	0		0		0		0		0		0					
150	1.2 Dead + 1.5 Live_V - M2 (Mid...	Yes	Y		1	1.2	40	1.5	0		0		0		0		0		0					
151	1.2 Dead + 1.5 Live_V - M2 (End)	Yes	Y		1	1.2	41	1.5	0		0		0		0		0		0					
152	1.2 Dead + 1.5 Live_V - M7 (Start)	Yes	Y		1	1.2	42	1.5	0		0		0		0		0		0					
153	1.2 Dead + 1.5 Live_V - M7 (Mid...	Yes	Y		1	1.2	43	1.5	0		0		0		0		0		0					
154	1.2 Dead + 1.5 Live_V - M7 (End)	Yes	Y		1	1.2	44	1.5	0		0		0		0		0		0					
155	1.2 Dead + 1.5 Live_V - M8 (Start)	Yes	Y		1	1.2	45	1.5	0		0		0		0		0		0					
156	1.2 Dead + 1.5 Live_V - M8 (Mid...	Yes	Y		1	1.2	46	1.5	0		0		0		0		0		0					
157	1.2 Dead + 1.5 Live_V - M8 (End)	Yes	Y		1	1.2	47	1.5	0		0		0		0		0		0					
158	1.2 Dead + 1.5 Live_V - M13 (Sta...	Yes	Y		1	1.2	48	1.5	0		0		0		0		0		0					
159	1.2 Dead + 1.5 Live_V - M13 (Mi...	Yes	Y		1	1.2	49	1.5	0		0		0		0		0		0					
160	1.2 Dead + 1.5 Live_V - M13 (End)	Yes	Y		1	1.2	50	1.5	0		0		0		0		0		0					
161	1.2 Dead + 1.5 Live_V - M14 (Sta...	Yes	Y		1	1.2	51	1.5	0		0		0		0		0		0					
162	1.2 Dead + 1.5 Live_V - M14 (Mi...	Yes	Y		1	1.2	52	1.5	0		0		0		0		0		0					
163	1.2 Dead + 1.5 Live_V - M14 (End)	Yes	Y		1	1.2	53	1.5	0		0		0		0		0		0					
164	1.2 Dead + 1.5 Live_V - M22 (Sta...	Yes	Y		1	1.2	54	1.5	0		0		0		0		0		0					
165	1.2 Dead + 1.5 Live_V - M22 (Mi...	Yes	Y		1	1.2	55	1.5	0		0		0		0		0		0					
166	1.2 Dead + 1.5 Live_V - M22 (End)	Yes	Y		1	1.2	56	1.5	0		0		0		0		0		0					
167	1.2 Dead + 1.5 Live_V - M25 (Sta...	Yes	Y		1	1.2	57	1.5	0		0		0		0		0		0					
168	1.2 Dead + 1.5 Live_V - M25 (Mi...	Yes	Y		1	1.2	58	1.5	0		0		0		0		0		0					
169	1.2 Dead + 1.5 Live_V - M25 (End)	Yes	Y		1	1.2	59	1.5	0		0		0		0		0		0					
170	1.2 Dead + 1.5 Live_V - M28 (Sta...	Yes	Y		1	1.2	60	1.5	0		0		0		0		0		0					

Load Combinations (Continued)

	Description	Sol...	PDelta	SR...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
171	1.2 Dead + 1.5 Live_V - M28 (Mi...	Yes	Y		1	1.2	61	1.5	0		0		0		0		0		0					
172	1.2 Dead + 1.5 Live_V - M28 (End)	Yes	Y		1	1.2	62	1.5	0		0		0		0		0		0					

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N1	m...	564.624	15	2626.555	28	1318.456	21	.453	131	1.497	21	-1.248	19
2		min	-1077.716	2	912.261	19	-1319.054	9	-.44	89	-1.499	8	-3.615	28
3	N21	m...	1195.762	12	2616.5	35	974.573	22	-1.049	3	1.342	13	1.821	37
4		min	-941.691	25	917.519	11	-531.259	11	-3.136	32	-1.344	24	.481	13
5	N11	m...	1216.857	16	2627.246	31	557.421	19	3.15	32	1.351	5	1.825	27
6		min	-962.781	5	913.756	25	-999.963	6	1.027	3	-1.35	17	.496	17
7	N208	m...	751.493	14	158.645	32	364.191	19	0	144	0	144	0	56
8		min	-369.306	3	-50.039	3	-368.265	6	0	78	0	78	0	26
9	N226A	m...	347.318	15	147.107	36	667.239	20	0	116	0	64	0	64
10		min	-534.541	2	-31.22	11	-334.539	9	0	86	0	118	0	19
11	N229A	m...	384.922	15	150.823	28	304.498	21	0	123	0	104	0	48
12		min	-578.98	2	-29.603	19	-633.865	8	0	105	0	38	0	11
13	N217A	m...	848.448	15	227.973	2	582.403	20	0	137	0	83	0	3
14		min	-1052.545	2	-158.793	15	-579.686	9	0	83	0	137	0	14
15	N220A	m...	776.168	14	216.626	10	762.769	21	0	22	0	111	0	72
16		min	-676.129	3	-147.278	23	-941.162	8	0	11	0	69	0	11
17	N223	m...	780.333	14	216.724	18	936.527	20	0	19	0	43	0	40
18		min	-675.169	3	-147.213	7	-760.174	9	0	6	0	109	0	19
19	Totals:	m...	6613.385	15	8573.201	36	6125.584	21						
20		min	-6613.389	2	3030.362	11	-6125.59	8						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [...	phi*Pnt [l...	phi*Mn y-...	phi*Mn ...	Cb	Eqn
1	A1	P2Std	.202	36.25	47	.072	36.25		14	25151.028	33862.5	1.998	1.998	1.7...	H1-1b
2	A2	P2Std	.147	60	14	.060	30		7	15814.703	33862.5	1.998	1.998	2.2...	H1-1b
3	A3	P2Std	.201	36.25	67	.069	47.5		69	25151.028	33862.5	1.998	1.998	1.7...	H1-1b
4	B1	P2Std	.201	36.25	75	.071	36.25		20	25151.028	33862.5	1.998	1.998	2.4	H1-1b
5	B2	P2Std	.148	60	22	.063	30		15	15814.703	33862.5	1.998	1.998	2.0...	H1-1b
6	B3	P2Std	.201	36.25	106	.069	47.5		109	25151.028	33862.5	1.998	1.998	2.2...	H1-1b
7	C1	P2Std	.201	36.25	115	.070	36.25		111	25151.028	33862.5	1.998	1.998	2.17	H1-1b
8	C2	P2Std	.148	60	6	.061	30		21	15814.703	33862.5	1.998	1.998	2.3...	H1-1b
9	C3	P2Std	.200	36.25	134	.069	47.5		137	25151.028	33862.5	1.998	1.998	2.4...	H1-1b
10	M1	HSS4x4x1/4	.214	0	29	.073	0	y	131	135503....	155250	18.22	18.22	3.0...	H1-1b
11	M2	C6X8.2	.251	34	26	.112	34	y	35	33201.402	77436	2.108	13.932	1.2...	H1-1b
12	M4	PL4.75x1/2	.281	5	8	.136	1.042	y	35	29661.197	38491.2	.104	3.807	1.3...	H1-1b
13	M6	PL4.75x1/2	.285	5	20	.136	1.042	y	29	29661.197	38491.2	.104	3.807	1.3...	H1-1b
14	M7	HSS4x4x1/4	.213	0	27	.072	0	y	129	135503....	155250	18.22	18.22	3.0...	H1-1b
15	M8	C6X8.2	.250	34	29	.112	34	y	27	33201.402	77436	2.108	13.932	1.2...	H1-1b
16	M10	PL4.75x1/2	.266	5	16	.136	1.042	y	27	29661.197	38491.2	.104	3.807	1.3...	H1-1b
17	M12	PL4.75x1/2	.254	5	4	.135	1.042	y	33	29661.197	38491.2	.104	3.807	1.33	H1-1b
18	M13	HSS4x4x1/4	.213	0	37	.073	0	y	91	135503....	155250	18.22	18.22	3.0...	H1-1b
19	M14	C6X8.2	.248	34	34	.111	34	y	31	33201.402	77436	2.108	13.932	1.2...	H1-1b
20	M16	PL4.75x1/2	.245	5	24	.135	1.042	y	31	29661.197	38491.2	.104	3.807	1.3...	H1-1b
21	M18	PL4.75x1/2	.272	5	12	.135	1.042	y	37	29661.197	38491.2	.104	3.807	1.3...	H1-1b
22	M19	PL4.75x1/2	.711	2.355	8	.177	0	y	35	15260.138	38491.2	.104	3.807	1.06	H1-1b
23	M20	PL4.75x1/2	.717	2.355	20	.178	9.421	y	27	15260.138	38491.2	.104	3.807	1.0...	H1-1b
24	M21	PL4.75x1/2	.653	2.355	4	.177	9.421	y	31	15260.138	38491.2	.104	3.807	1.0...	H1-1b
25	M22	C6X8.2	.149	78.125	32	.031	142.188	y	43	34871.672	77436	2.108	11.588	1	H1-1b
26	M25	C6X8.2	.149	78.125	29	.031	142.187	y	111	34871.672	77436	2.108	11.588	1	H1-1b

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [...	phi*Pnt [l...	phi*Mn y-...	phi*Mn ...	Cb	Eqn
27	M28	C6X8.2	.148	71.875	35	.031	142.187	y	83	34871.672	77436	2.108	11.588	1	H1-1b
28	M31	PL4.75x1/2	.783	7.328	2	.033	3.172	y	117	12294.546	38491.2	.104	3.807	1.77	H1-1b
29	M32	PL4.75x1/2	.343	1.719	22	.064	0	y	100	21415.228	38491.2	.104	3.752	1.0...	H1-1b
30	M33	PL4.75x1/2	.326	1.797	2	.068	0	y	121	21415.228	38491.2	.104	3.794	1.0...	H1-1b
31	M37	PL4.75x1/2	.742	7.328	8	.033	3.172	y	38	12294.546	38491.2	.104	3.807	1.9...	H1-1b
32	M38	PL4.75x1/2	.379	1.719	6	.065	0	y	140	21415.228	38491.2	.104	3.767	1.0...	H1-1b
33	M39	PL4.75x1/2	.294	0	10	.067	0	y	41	21415.228	38491.2	.104	3.769	1.0...	H1-1b
34	M43	PL4.75x1/2	.718	3.172	18	.033	3.172	y	77	12294.546	38491.2	.104	3.807	1.7...	H1-1b
35	M44	PL4.75x1/2	.388	1.719	14	.064	0	y	72	21415.228	38491.2	.104	3.753	1.0...	H1-1b
36	M45	PL4.75x1/2	.304	1.797	18	.068	0	y	80	21415.228	38491.2	.104	3.788	1.0...	H1-1b
37	M70	P2Std	.203	75	14	.075	34.375		14	23628.244	33862.5	1.998	1.998	1	H1-1b
38	M71	P2Std	.200	75	6	.075	34.375		6	23628.244	33862.5	1.998	1.998	1	H1-1b
39	M72A	P2Std	.201	75	22	.074	115.625		22	23628.244	33862.5	1.998	1.998	1	H1-1b
40	M82	L2.5x2.5x4	.170	0	20	.014	.821	z	4	36444.478	38556	1.114	2.537	1.0...	H2-1
41	M83	L2.5x2.5x4	.172	15.766	8	.014	.164	z	12	36444.478	38556	1.114	2.537	1.1...	H2-1
42	M84	L2.5x2.5x4	.175	13.138	14	.015	0	z	20	36444.478	38556	1.114	2.537	1.0...	H2-1
43	M97	P2Std	.128	139....	44	.056	140.625		42	23628.244	33862.5	1.998	1.998	2.1...	H1-1b
44	M98	P2Std	.128	139....	110	.057	140.625		110	23628.244	33862.5	1.998	1.998	2.1...	H1-1b
45	M99	P2Std	.128	139....	83	.057	140.625		83	23628.244	33862.5	1.998	1.998	2.1...	H1-1b
46	M109	L2.5x2.5x4	.232	15.766	14	.020	0	z	14	36444.478	38556	1.114	2.537	1.5...	H2-1
47	M110	L2.5x2.5x4	.219	15.766	22	.020	15.766	z	2	36444.478	38556	1.114	2.537	1.4...	H2-1
48	M111	L2.5x2.5x4	.215	15.766	6	.022	0	z	8	36444.478	38556	1.114	2.537	1.6...	H2-1
49	M112	L2.5x2.5x3	.074	25.304	14	.005	0	y	36	15936.316	29192.4	.873	1.683	1.1...	H2-1
50	M113	L2.5x2.5x3	.069	25.304	14	.005	0	y	29	15936.316	29192.4	.873	1.683	1.1...	H2-1
51	M120A	L2.5x2.5x3	.059	25.842	35	.004	0	y	29	15936.316	29192.4	.873	1.683	1.1...	H2-1
52	M121A	L2.5x2.5x3	.057	25.842	37	.004	51.684	y	32	15936.316	29192.4	.873	1.683	1.1...	H2-1
53	M122A	L2.5x2.5x3	.057	25.842	28	.004	0	y	32	15936.316	29192.4	.873	1.683	1.1...	H2-1
54	M123A	L2.5x2.5x3	.062	25.842	29	.005	0	y	36	15936.316	29192.4	.873	1.683	1.1...	H2-1
55	M118	L2.5x2.5x3	.059	25.304	12	.005	0	y	32	15936.316	29192.4	.873	1.683	1.1...	H2-1
56	M119	L2.5x2.5x3	.053	25.304	15	.005	0	y	32	15936.316	29192.4	.873	1.683	1.1...	H2-1
57	M120	L2.5x2.5x3	.062	25.304	20	.005	0	y	36	15936.316	29192.4	.873	1.683	1.1...	H2-1
58	M121	L2.5x2.5x3	.054	24.765	24	.005	51.684	y	36	15936.316	29192.4	.873	1.683	1.1...	H2-1
59	M122	L2.5x2.5x3	.057	25.304	4	.005	51.684	y	28	15936.316	29192.4	.873	1.683	1.1...	H2-1
60	M123	L2.5x2.5x3	.056	24.765	8	.005	0	y	28	15936.316	29192.4	.873	1.683	1.1...	H2-1

ADDITIONAL CALCULATIONS

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2019778.33762.13

Bolt Information		
Bolt Diameter (d)	0.375	in
Net Tensile Area (An)	0.077	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	9	in
Bolt Distance Left-Right	9	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

Flange Information		
Height (h)	11.5	in
Width (w)	11.5	in
Thickness (t)	0.625	in
Steel Grade	A36	
Plate Yield Strength (Fy)	36	ksi
Support Arm Height	4	in
Support Arm Width	4	in

RISA 3D Reactions (Up-Down)		
Moment (M)	3.61	k-ft
Axial (T)	-0.48	kips
Shear (V)	2.62	kips

RISA 3D Reactions (Left -Right)		
Moment (M)	1.50	k-ft
Axial (T)	-0.20	kips
Shear (V)	1.61	kips

Bolt Capacity (Up-Down)		
Nominal Tensile Strength (R_{nt})	9.299	kips
Nominal Shear Strength (R_{nv})	6.63	kips
Bolt Tensile Force (T_{ub})	2.29	kips
Bolt Shear Force (V_{ub})	0.655	kips
$T_{ub}/\phi R_{nt}$	0.32812	
$V_{ub}/\phi R_{nv}$	0.13185	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.12505	
Bolt Capacity =	32.8%	OK

Bolt Capacity (Left-Right)		
Nominal Tensile Strength (R_{nt})	9.299	kips
Nominal Shear Strength (R_{nv})	6.63	kips
Bolt Tensile Force (T_{ub})	0.95	kips
Bolt Shear Force (V_{ub})	0.403	kips
$T_{ub}/\phi R_{nt}$	0.13605	
$V_{ub}/\phi R_{nv}$	0.08107	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.02508	
Bolt Capacity =	13.6%	OK

Plate Capacity (Up-Down)		
Bolt Circle (D_{BC})	12.728	in
Effective Width (B_{eff})	11.50	in
Flexural Moment (M_u)	11.44	k-in
Flexural Strength ($\emptyset M_n$)	36.39	k-in
Plate Capacity=	31.4%	OK

Plate Capacity (Left-Right)		
Bolt Circle (D_{BC})	12.728	in
Effective Width (B_{eff})	11.50	in
Flexural Moment (M_u)	4.74	k-in
Flexural Strength ($\emptyset M_n$)	36.39	k-in
Plate Capacity=	13.0%	OK

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2019778.33762.13

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

RISA 3D Reactions		
Moment (M)	0.00	k-ft
Axial (T)	1.05	kips
Shear (V)	0.23	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	27.120	kips
Nominal Shear Strength (R_{nv})	18.41	kips
Bolt Tensile Force (T_{ub})	0.26	kips
Bolt Shear Force (V_{ub})	0.057	kips
$T_{ub}/\phi R_{nt}$	0.01294	
$V_{ub}/\phi R_{nv}$	0.00413	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.00018	
Bolt Capacity =	1.3%	OK

SBA Site ID#: CT33762-M
November 19, 2020

MOUNT MODIFICATION DRAWINGS

GPD

EXHIBIT 10

EBI Consulting

environmental | engineering | due diligence

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

T-Mobile Existing Facility

Site ID: CT11308D

Cheshire Police / TVI
500 Highland Avenue
Cheshire, Connecticut 06410

December 14, 2020

EBI Project Number: 6220006250

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**24.83%**

21 B Street, Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

December 14, 2020

T-Mobile
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, Connecticut 06002

Emissions Analysis for Site: CT11308D - Cheshire Police / TVI

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **500 Highland Avenue** in **Cheshire, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile 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 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu W/cm^2$). The number of $\mu W/cm^2$ 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 ($\mu W/cm^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately 400 $\mu W/cm^2$ and 467 $\mu W/cm^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is 1000 $\mu W/cm^2$. 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 T-Mobile Wireless antenna facility located at 500 Highland Avenue in Cheshire, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile 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 all calculations, all equipment was calculated using the following assumptions:

1) 2 LTE channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

2) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.

3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

5) 4 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

6) 2 UMTS channels (AWS Band - 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

7) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

8) 1 LTE channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

9) 1 NR channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

10) 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.

11) 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.

12) The antennas used in this modeling are the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s) in Sector A, the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s) in Sector B, the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAALL24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 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.

13) The antenna mounting height centerline of the proposed antennas is 147 feet above ground level (AGL).

14) 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.

15) All calculations were done with respect to uncontrolled / general population threshold limits.

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32
Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz
Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd
Height (AGL):	147 feet	Height (AGL):	147 feet	Height (AGL):	147 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts
ERP (W):	12,841.53	ERP (W):	12,841.53	ERP (W):	12,841.53
Antenna A1 MPE %:	**2.14%**	Antenna B1 MPE %:	**2.14%**	Antenna C1 MPE %:	**2.14%**
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
Make / Model:	RFS APXVAALL24_43-U-NA20	Make / Model:	RFS APXVAALL24_43-U-NA20	Make / Model:	RFS APXVAALL24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz / 2100 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 16.45 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 16.45 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.65 dBd / 15.45 dBd / 16.45 dBd
Height (AGL):	147 feet	Height (AGL):	147 feet	Height (AGL):	147 feet
Channel Count:	9	Channel Count:	9	Channel Count:	9
Total TX Power (W):	380 Watts	Total TX Power (W):	380 Watts	Total TX Power (W):	380 Watts
ERP (W):	11,010.27	ERP (W):	11,010.27	ERP (W):	11,010.27
Antenna A2 MPE %:	**2.78%**	Antenna B2 MPE %:	**2.78%**	Antenna C2 MPE %:	**2.78%**
Antenna #:	**3**	Antenna #:	**3**	Antenna #:	**3**
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz
Gain:	22.05 dBd / 22.05 dBd	Gain:	22.05 dBd / 22.05 dBd	Gain:	22.05 dBd / 22.05 dBd
Height (AGL):	147 feet	Height (AGL):	147 feet	Height (AGL):	147 feet
Channel Count:	2	Channel Count:	2	Channel Count:	2
Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	38,477.89	ERP (W):	38,477.89	ERP (W):	38,477.89
Antenna A3 MPE %:	**6.40%**	Antenna B3 MPE %:	**6.40%**	Antenna C3 MPE %:	**6.40%**

Site Composite MPE %	
Carrier	**MPE %**
T-Mobile (Max at Sector A):	11.32%
Sprint	2.32%
Metro PCS	0.7%
Town Emergency Svcs	0.55%
AT&T	6.59%
Verizon	3.35%
Site Total MPE % :	24.83%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	11.32%
T-Mobile Sector B Total:	11.32%
T-Mobile Sector C Total:	11.32%
Site Total MPE % :	24.83%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
T-Mobile 1900 MHz GSM	4	1028.30	147.0	6.84	1900 MHz GSM	1000	0.68%
T-Mobile 1900 MHz LTE	2	2056.61	147.0	6.84	1900 MHz LTE	1000	0.68%
T-Mobile 2100 MHz LTE	2	2307.55	147.0	7.68	2100 MHz LTE	1000	0.77%
T-Mobile 600 MHz LTE	2	591.73	147.0	1.97	600 MHz LTE	400	0.49%
T-Mobile 600 MHz NR	1	1577.94	147.0	2.63	600 MHz NR	400	0.66%
T-Mobile 700 MHz LTE	2	695.22	147.0	2.31	700 MHz LTE	467	0.50%
T-Mobile 1900 MHz LTE	2	2104.51	147.0	7.00	1900 MHz LTE	1000	0.70%
T-Mobile 2100 MHz UMTS	2	1324.71	147.0	4.41	2100 MHz UMTS	1000	0.44%
T-Mobile 2500 MHz LTE	1	19238.94	147.0	32.01	2500 MHz LTE	1000	3.20%
T-Mobile 2500 MHz NR	1	19238.94	147.0	32.01	2500 MHz NR	1000	3.20%
						Total:	**11.32%**

• 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 T-Mobile 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:

T-Mobile Sector	Power Density Value (%)
Sector A:	11.32%
Sector B:	11.32%
Sector C:	11.32%
T-Mobile Maximum MPE % (Sector A):	11.32%
Site Total:	24.83%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **24.83%** 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.