



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

August 19, 2020

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

RE: **Notice of Exempt Modification for T-Mobile:  
806364 - T-Mobile Site ID: CTHA375A  
143 R Old Blue Hill Road, Durham, CT 06422  
Latitude: 41° 27' 33.67" / Longitude: -72° 39' 45.83"**

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 71-foot mount on the existing 120-foot Monopole Tower, located at 143 R. Old Blue Hill Road in Durham, CT. The tower is owned by Crown Castle and the property is owned by Francis E. Behrens. T-Mobile now intends to add three (3) new 2500/2500 MHz antennas. The new antennas will be installed at the 71-ft level of the tower. T-Mobile is also proposing tower mount modifications, as shown on the enclosed mount analysis.

**Planned Modifications:**

**Tower:**

Remove and Replace:

(3) RRUS11 B12 (**REMOVE**) – (3) Radio 4449 B71/B12 (**REPLACE**)

Install New:

(3) 1 5/8" Hybrid Fiber Line  
(3) RRH 4415 B25  
(3) AIR6449 B41 Antenna 2500/2500 MHz

Existing to Remain:

(2) 3/8" Coax  
(3) Fiber line 1 5/8"  
(3) AIR21\_B4A\_B2P Antenna 2100 MHz  
(3) AIR32\_B66A\_B2A Antenna 1900/2100 MHz  
(3) RFS-APXVAARR24\_43-U-NA20 Antenna 600/700 MHz

**Ground:**

Upgrade to existing ground cabinet. (Internally)  
Install new battery cabinet B160.  
Install new ground enclosure 6160.  
Upgrade breakers.

The facility was approved by the Connecticut Siting Council on March 11, 1994 in Docket No. 161. The Council subsequently allowed an increase in tower height to 120' in Petition No. 697 on May 11, 2005. T-Mobile's proposed exempt modification complies with the original siting conditions.

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 Laura Francis, First Selectwoman for the Town of Durham, Robin Newton, Town Planner, Crown Castle as the tower owner, and Francis Behrens, the property owner.

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

For the foregoing reasons, T-Mobile respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Anne Marie Zsamba.

Sincerely,

Anne Marie Zsamba  
Site Acquisition Specialist  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065  
(201) 236-9224  
AnneMarie.Zsamba@crowncastle.com

Attachments

cc:

Laura Francis, First Selectwoman (*via email only to lfrancis@townofdurhamct.org*)  
Town of Durham  
Town Hall – Selectman's Office  
30 Townhouse Road

Melanie A. Bachman

Page 3

Durham, CT 06422

Robin Newton, Town Planner (*via email only to [rnewton@townofdurhamct.org](mailto:rnewton@townofdurhamct.org)*)  
Town of Durham  
30 Townhouse Road  
Durham, CT 06422

Francis E. Behrens, Property Owner  
109 Old Blue Hills Road  
Durham, CT 06422-3005

Crown Castle, Tower Owner

ORIGIN ID: SCHA (518) 350-3639  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE  
GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 19AUG20  
ACTWGT: 1.00 LB  
CAD: 104924194/IN/ET4280

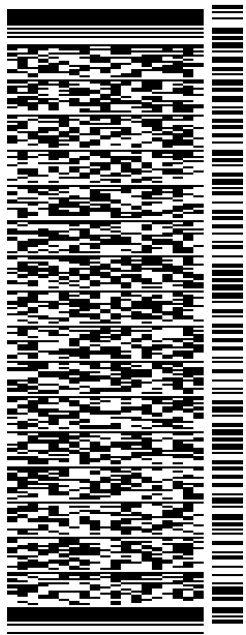
BILL SENDER

TO FRANCIS E. BEHRENS

109 OLD BLUE HILLS ROAD

DURHAM CENTER CT 06422

(201) 236-9224 REF: 1734.7690  
INV: DEPT:  
PO:

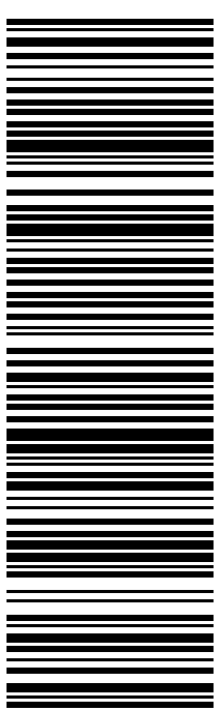


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56BJ27709/B766

TRK# THU - 20 AUG 10:30A  
# 0201 7713 0453 7073 PRIORITY OVERNIGHT

EB RSPA 06422  
CT-US BDL



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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**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.

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**From:** [Zsamba, Anne Marie](#)  
**To:** [newton@townofdurhamct.org](mailto:newton@townofdurhamct.org)  
**Subject:** Notice of Exempt Modification - Old Blue Hill Road, Durham - T-Mobile  
**Date:** Wednesday, August 19, 2020 2:17:00 PM  
**Attachments:** [EM-T-MOBILE-143 R Old Blue Hill Rd Durham-806364-CTHA375A-notice.pdf](#)

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Dear Town Planner Newton:

Attached please find T-Mobile's exempt modification application that is being submitted to the Connecticut Siting Council, today August 19, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,  
Anne Marie Zsamba

**ANNE MARIE ZSAMBA**  
Site Acquisition Specialist  
T: (201) 236-9224  
M: (518) 350-3639  
F: (724) 416-6112

**CROWN CASTLE**  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065  
[CrownCastle.com](http://CrownCastle.com)

**From:** [Zsamba, Anne Marie](#)  
**To:** [lfrancis@townofdurhamct.org](mailto:lfrancis@townofdurhamct.org)  
**Subject:** Notice of Exempt Modification - Old Blue Hill Road, Durham - T-Mobile  
**Date:** Wednesday, August 19, 2020 2:17:00 PM  
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Dear First Selectwoman Francis:

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In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,  
Anne Marie Zsamba

**ANNE MARIE ZSAMBA**  
Site Acquisition Specialist  
T: (201) 236-9224  
M: (518) 350-3639  
F: (724) 416-6112

**CROWN CASTLE**  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065  
[CrownCastle.com](http://CrownCastle.com)

# Exhibit A

## **Original Facility Approval**

DOCKET NO. 161 - An application of Metro Mobile CTS of Hartford Inc., for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility. The proposed prime site is located off of Old Blue Hills Road approximately 2,000 feet from the end of the improved portion of the road in Durham, Connecticut. The proposed alternate sites are located at 199R Cherry Lane and 100 New Haven Road, Durham, Connecticut.

Connecticut

Siting

Council

March 11, 1994

### Decision and Order

Pursuant to the foregoing Findings of Fact, and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower and equipment building at the proposed prime site in Durham, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need as provided by section 16-50k of the Connecticut General Statutes (CGS), be issued to Metro Mobile CTS of Hartford, Inc. (Metro Mobile), for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed prime site located off of Old Blue Hills Road, Durham, Connecticut. We find the effects on scenic resources and adjacent land uses of the alternative sites to be significant, and therefore deny certification of these sites.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and the tower shall not exceed a total height of 113 feet above ground level (AGL), with antennas and appurtenances.
2. The road design and drainage system for improvements on approximately 1,600 feet of the Old Blue Hills Road right-of-way shall be subject to approval by the Town of Durham.



3. The Certificate Holder shall prepare a Development and Management (D&M) plan for this site in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall include detailed plans of the tower, antenna placement on the tower including entities sharing tower space, tower foundation, equipment building, access road, utility connection, security fence, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sedimentation Control (as amended).
4. The Certificate Holder shall make provision for a Phase I archaeological reconnaissance survey, subject to the consent of the landowner, at the Merwin Cave site, due within six months after the commencement of construction. A final report of this survey shall be provided to the Council upon completion. The Certificate Holder shall not be liable for any site protection, collection and exhibition of artifacts, or other actions beyond a Phase I reconnaissance survey.
5. The Certificate Holder shall comply with any existing and future radio frequency (RF) standard promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted herein shall be brought into compliance with such standards.
6. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
7. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
8. If the facility does not initially provide, or permanently ceases to provide cellular or other services following completion of construction, this Decision and Order shall be void, and the Certificate holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Hartford Courant and Middletown Press.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with section 16-50j-17 of the Regulations of State Agencies.

The parties and intervenors to this proceeding are:

APPLICANT

Metro Mobile CTS of  
Hartford, Inc.

ITS REPRESENTATIVES

Metro Mobile CTS of  
Hartford, Inc.  
20 Alexander Drive  
Wallingford, CT 06492  
Attn: David S. Malko, P.E.  
Manager, Engineering and  
Regulatory Services

Robinson & Cole  
One Commercial Plaza  
Hartford, CT 06103-3597  
Attn: Brian C. S. Freeman, Esq.

PARTY

Town of Durham

ITS REPRESENTATIVE

Henry A. Robinson  
First Selectman  
30 Town House Road  
P.O. Box 428  
Durham, CT 06422

INTERVENOR

Springwich Cellular  
Limited Partnership

ITS REPRESENTATIVE

Peter J. Tyrrell  
Senior Attorney  
Springwich Cellular  
Limited Partnership  
227 Church Street  
New Haven, CT 06506

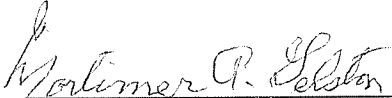
7695E

CERTIFICATION

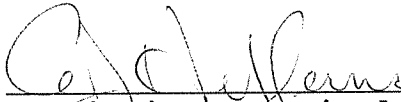
The undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in Docket No. 161 - Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility, in Durham, Connecticut, and voted as follows to approve the proposed prime site located off of Old Blue Hills Road:

Council Members


Vote Cast

  
\_\_\_\_\_  
Mortimer A. Gelston  
Chairman

YES

  
\_\_\_\_\_  
Commissioner Reginald J. Smith  
Designee: Gerald J. Heffernan

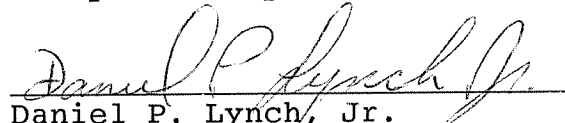
YES

  
\_\_\_\_\_  
Commissioner Timothy R.E. Keeney  
Designee: Brian Emerick


YES

\_\_\_\_\_  
Harry E. Covey

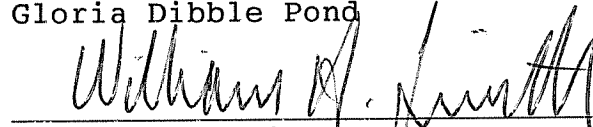
ABSENT

  
\_\_\_\_\_  
Daniel P. Lynch, Jr.


YES

  
\_\_\_\_\_  
Gloria Dibble Pond

YES

  
\_\_\_\_\_  
William H. Smith

YES

  
\_\_\_\_\_  
Colin C. Tait

YES

\_\_\_\_\_  
Dana J. Wright

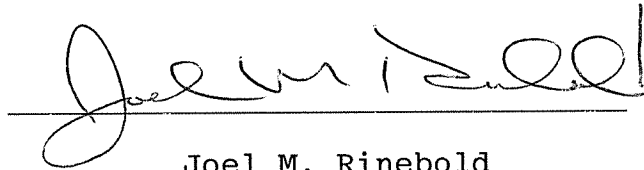
ABSENT

Dated at New Britain, Connecticut, March 11, 1994.  
7697E

STATE OF CONNECTICUT )  
  :  
ss. New Britain, Connecticut  
COUNTY OF HARTFORD    )

I hereby certify that the foregoing is a true and correct copy of the Findings of Fact, Opinion, and Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

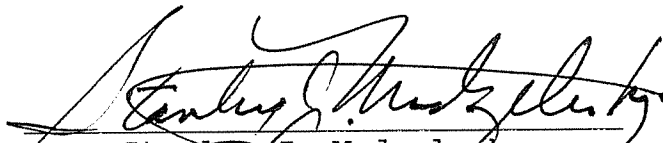
ATTEST:



Joel M. Rinebold  
Executive Director  
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket 161 have been forwarded by Certified First Class Return Receipt Requested mail on March 11, 1994, to all parties and intervenors of record as listed on the attached service list, dated December 7, 1993.

ATTEST:



Stanley J. Modzelesky  
Executive Assistant  
Connecticut Siting Council



# CONNECTICUT SITING COUNCIL

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Melanie Bachman,  
Executive Director

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## Petition Staff Reports

[Printable Version](#)

### Petition No. 697 Nextel Communications Durham, Connecticut May 11, 2005 Updated Staff Report

On November 4, 2004, the Connecticut Siting Council (Council) received a petition (Petition) from Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications (Nextel) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for its proposed modifications to an existing monopole located at 143 Old Blue Hills Road, Durham. The existing monopole is 100' feet tall (without appurtenances). Nextel seeks to extend the monopole to 120' in order to remove their omni-directional whip antennas and install a platform of 12 panel antennas at the 115' level of the tower. This would require the relocation of certain town antennas. Nextel states that the proposed modification would improve frequency reuse, provide more control over the coverage footprint, provide greater localized coverage within the intended coverage area, and reduce interference to neighboring sites.

In the Petition, Nextel also originally sought to remove the Town of Durham's (Town) existing 30' whip antenna and replace it with a 14' whip antenna to be located on a 4' standoff arm at a height of 118'. (By letter dated November 18, 2004 (Town Letter), the Communications Coordinator for the Town stated that the 30' whip antenna does not exist.) Nextel also seeks to remove the Town's cellwave antenna and relocate it to a 4' standoff arm at a height of 118'. In addition, Nextel seeks to remove its existing equipment shelter and ice bridge located in the southwestern portion of the compound. Nextel would install a 10' x 20' equipment shelter, an ice bridge, and a concrete retaining wall within the fenced area in the northeastern side of the compound. Lastly, Nextel would remove three coaxial cables and install 12 coaxial cables within the proposed ice bridge to connect to the proposed panel antennas.

In the Town Letter, some possible discrepancies in the Petition were brought to the Council's attention. First, it was argued that the 30' whip antenna does not exist. Next, Verizon Wireless is not listed as an existing carrier. In addition, the Town's cellwave antenna is listed in the Petition as being located at the 122' level, whereas the Town Letter asserts that the height is 112'7". The Airspace Obstruction report lists the structure height at 500', in apparent conflict with the height in the Petition. The Town Letter also argues that total height with appurtenances is currently 124' and would reach 132' with the proposed modifications.

The Town Letter also included some additional concerns about the proposed project. It is recommended that at least one spare underground conduit be installed prior to the installation of the equipment building, as it would not be possible to access the area underneath the building later. Concerns were expressed regarding access to the emergency generator. Also, some structural concerns were expressed such whether the side arm mounting was taken into account, as well as weight and wind load of the Model 101-68-10-3-03N antenna. Additional structural concerns include the possibility of having to mount the antenna cables on the outside of the monopole, the possible cutting of cable ports into the tower, and a possible redundant dish listing in the tower inventory. Visibility concerns related to the appurtenances were also expressed. Also, a list of recommended conditions was included.

On December 16, 2004, staff issued a first set of interrogatories to investigate the issues brought to light in the Town Letter. On December 21, 2004, the Council received a request for a hearing from the Town. The petition was field reviewed on January 4, 2005 by Council member Daniel P. Lynch, Jr. and Mike Perrone of the Council staff.

On February 23, 2005, the Council received the responses to the interrogatories and a filing correcting the errors in the original application. (Originally, the petition had incorrectly stated that there is an existing 30' town whip antenna which extends to a maximum height of 132'.) The whip is actually 14' tall and makes the existing total height with appurtenances 122'.

The applicant has originally stated in the petition that the total height with appurtenances would remain unchanged with the proposed modifications (i.e. the total height with appurtenances would remain at 132', despite the 20' increase in the monopole height). This has since been corrected. The total height with appurtenances would in fact increase from 122' to 132' with the proposed modifications.

A revised abutters notice was sent on February 17, 2005 to correct the original notice. (The original notice had indicated that there would be no increase in the total height with appurtenances.) The revised notice properly informed the abutters that the total height would in fact increase.

There are 19 homes within a 1000' radius of the tower. The closest home is 350' away and is located on 40 Stephen Woods Lane. The tower is and would still be visible from this home with the proposed modifications.

The incremental visual impact would be largely due to the additional platform, as seen in the photo simulation. The viewshed analysis indicates that the tower is visible both seasonally, as well as year round from portions of Old Blue Hills Road adjacent to the site. During the field review, staff observed that the tower is indeed visible from the home on the opposite side of Old Blue Hills Road.

The worst-case power density at the base of the tower would be 23.28% of the maximum permissible exposure. No antenna transmission cables would be located on the outside of the monopole. In response to the structural concerns in the Town Letter, Nextel has indicated that the 4' standoff arm, as well as the cellwave antenna have been taken into account structurally. Nextel also noted that a 5' walkway to be located between the existing shelter and the proposed Nextel shelter would not affect access to the emergency generator. Nextel also notes that the existing Verizon antennas are taken into account in the structural analysis. Lastly, Nextel would work with the Town to maintain the continuity of the Town's emergency services while the construction is taking place.

On April 26, 2005, Nextel held a public meeting to address any outstanding concerns that neighbors or the Town had regarding its proposal. The residents' concerns were singularly related to RF emissions. Nextel explained the dynamics of RF emissions and reiterated that the site total would be approximately 23 % of the allowable total. Nextel then met with First Selectwoman Maryann Boord and the Town's technical expert Scott Wright.

By letter dated April 27, 2005, Nextel listed and responded to all of the concerns of the Town and agreed to meet all conditions, including not limited to: installing a spare 3" and 4" conduit; locating all cables within the tower; minimizing the Town's off-air time during construction; providing sufficient headroom under the antennas; replacement of the Town's dipole antenna; including a jumper at the antenna end to allow for cable movement; and temporary bracing of Town microwave antenna.

Content Last Modified on 5/18/2005 10:48:36 AM

**Ten Franklin Square New Britain, CT 06051 / 860- 827-2935**

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# Exhibit B

## **Property Card**



**Property Card: OLD BLUE HILLS RD**  
Town of Durham, CT



**Parcel ID:** 69-12  
**Account #:** B0016900

**Owner:** BEHRENS FRANCIS E JR  
**Mailing Address:** 109 OLD BLUE HILLS RD  
DURHAM, CT 06422-3005

General Information	Assessed Value
<b>State Class:</b> 130 <b>Class:</b> R <b>Census-Tract:</b> 5851 <b>District No.:</b> M <b>Neighborhood:</b> 80 <b>Zone:</b> FR <b>Total Acres:</b> 6.31	<b>Land:</b> \$126,400 <b>Buildings:</b> \$0  <b>Total:</b> \$2,030
Sale History	
<b>Book/Page:</b> 100-255 <b>Deed Date:</b> 19840824 <b>Sale Date:</b> <b>Sale Type:</b> 0 <b>Sale Price:</b> 0	
Building Details	
<b>Living Units:</b> 0 <b>Style:</b> 0 <b>Year Built:</b> 0 <b>Effective Year Built:</b> 0 <b>Ture TLA:</b> 0 <b>Stories:</b> 0 <b>Total Rooms:</b> 0 <b>Total Bedrooms:</b> 0 <b>Number Full Baths:</b> 0 <b>Number Half Baths:</b> 0 <b>WB/FP Openings:</b> 0 <b>Heating Type:</b> 0 <b>Heating Fuel Type:</b> 0	<b>Basement:</b> 0 <b>FBLA Size:</b> 0 <b>Attic:</b> 0 <b>Exterior Walls:</b> 0 <b>Basement / Garage:</b> 0



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



**BUILDING SKETCH**

	<u>Descriptor/Area</u>



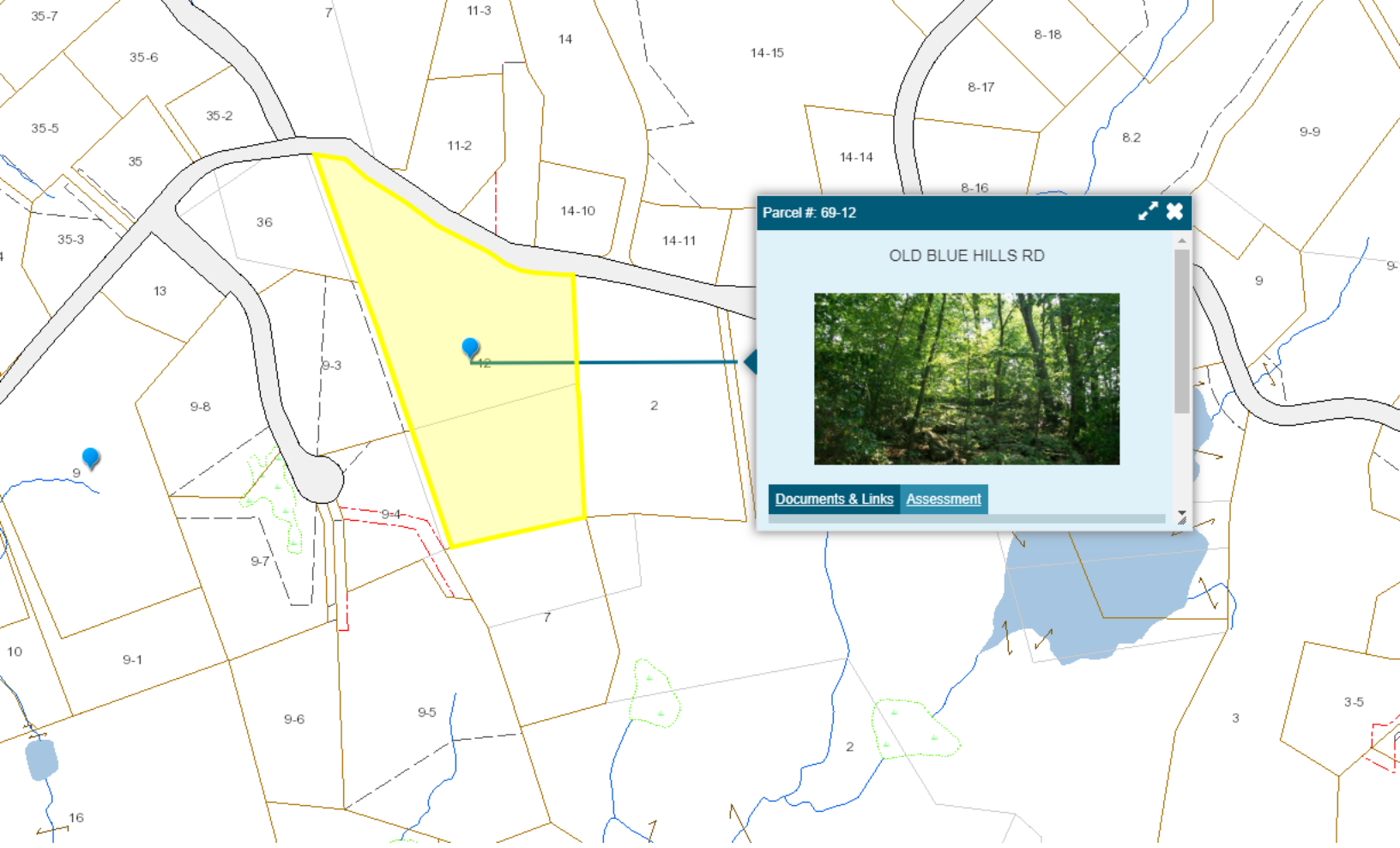
[www.cai-tech.com](http://www.cai-tech.com)

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

8/19/2020

Page 2 of 2

Property Information - Durham, CT



Parcel #: 69-12

OLD BLUE HILLS RD



Documents & Links Assessment

# Exhibit C

## **Construction Drawings**



**CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:**

- NOTICE TO PROCEED - NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (ORDER) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- LOOK UP - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENTS: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND EQUIPMENT INSTALLATION SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ON-SITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANS/ASSE A10.48 (LATEST EDITION), FEDERAL, STATE, AND LOCAL REGULATIONS, AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANS/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CSD-STO-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IN CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANS/TA-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH OAS-STD-19068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANS/TA-1019-4-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH THE INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LOCAL, STATE, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRENCHING INCLUDING BUT NOT LIMITED TO: A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- ALL SITE WORK SHALL BE IN ACCORDANCE WITH THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. ALL EXISTING DEBRIS, STONES, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
- THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENTATION CONTROL.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 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.

**GREENFIELD GROUNDRING NOTES:**

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

**GENERAL NOTES:**

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

**CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:**

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

**ELECTRICAL INSTALLATION NOTES:**

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTING AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TRIP HAZARDS ARE ELIMINATED.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOD TASS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THE DEVICES WILL BE SUBMITTED, 22,000 AC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDRING CONDUIT, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOD TASS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARD(S) (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CONDUIT SHALL BE MULTI-CONDUCTOR, TYPE SOOW COB (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TO CABLE (#14 OR LARGER), WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDRING CONDUITS SHALL BE COMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND IEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MCC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- RECOGNITION-TYPE FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND POWER, AND TELCO AND FOR GROUNDRING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDRING PLAN DRAWINGS.
- WIRESHALLS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECIMATE WIREWAY).
- DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
- CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHINGS ON INSIDE AND GALVANIZED MALLEABLE IRON LOGON ON OUTSIDE AND INSIDE.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING, SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEVEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- INSTALL LAMICOD LABEL ON THE METER CENTER TO SHOW "T-MOBILE".
- ALL EMPT/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE FULL COIL INSTALLED.

**CONDUCTOR COLOR CODE**

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

**AWPA UNIFORM COLOR CODE:**

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

**ABBREVIATIONS:**

- ANT ANTENNA
- EX EXISTING
- FI FACILITY INTERFACE FRAME
- GEN GENERATOR
- GPS GLOBAL POSITIONING SYSTEM
- GSM GLOBAL SYSTEM FOR MOBILE
- LTE LONG TERM EVOLUTION
- MGB MASTER GROUND BAR
- MM MICROWAVE
- (N) NEW
- NEC NATIONAL ELECTRIC CODE
- (P) PROPOSED
- PL POWER PLANT
- QTY QUANTITY
- RECT RECTIFIER
- RBS RADIO BASE STATION
- RET REMOTE ELECTRIC TILT
- RFL RF/LEAKAGE DATA SHEET
- RHS REMOTE HEAD
- RHU REMOTE HEAD UNIT
- RUU SMART INTEGRATED DEVICE
- TMA TOWER MOUNTED AMPLIFIER
- TRP TYPICAL
- UMS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
- W.P. WORK POINT

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**T-MOBILE SITE NUMBER:**  
**CTHA375A**

**BU #: 806364**  
**HRT 106(B) 943202**

**143R OLD BLUE HILLS ROAD**  
**DURHAM, CT 06422**

**EXISTING**  
**120'-0" MONOPOLE**

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/24/20	BLB	CONSTRUCTION	EMC
1	8/14/20	MLC	CONSTRUCTION	MTJ

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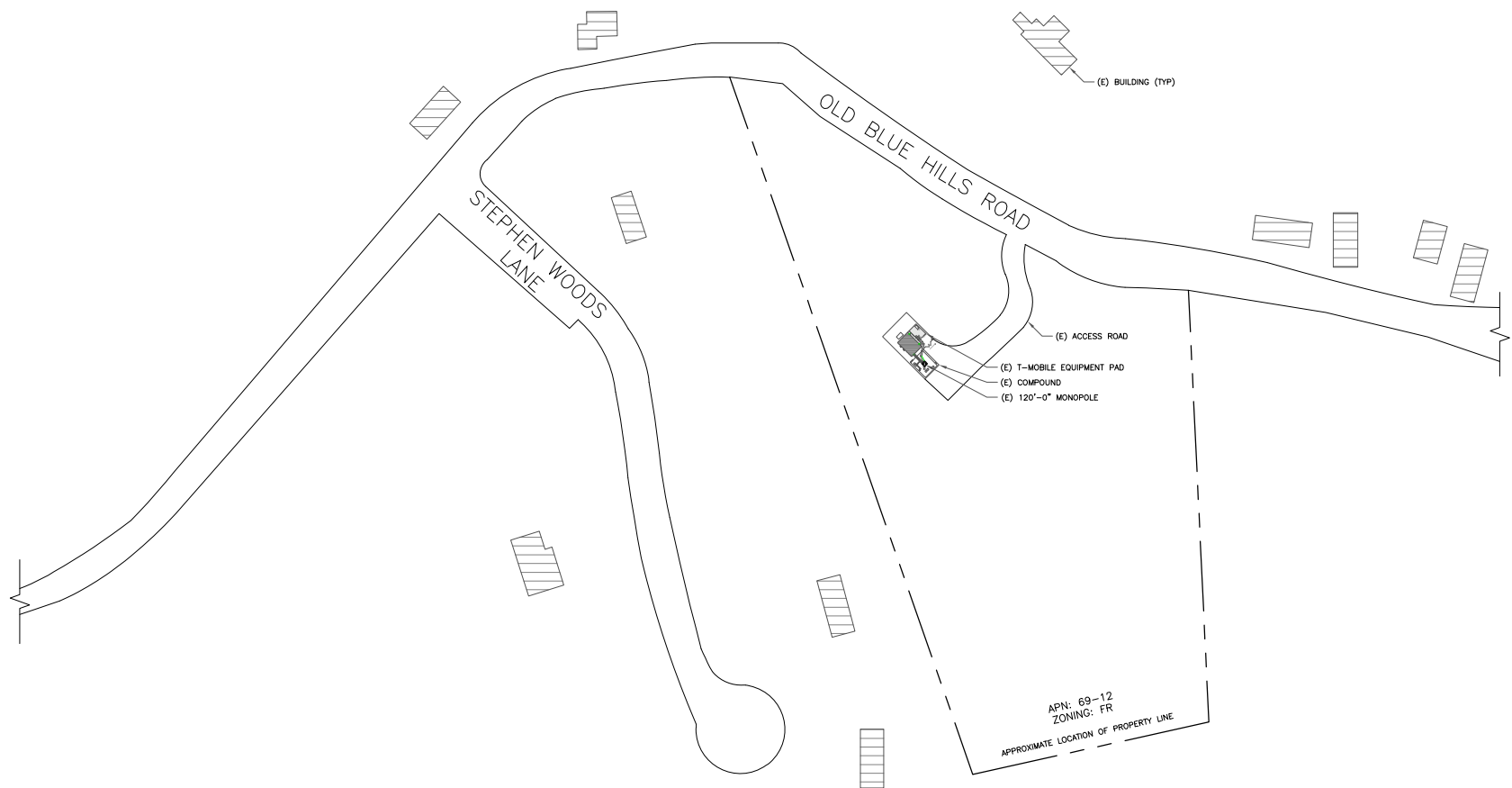
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**SHEET NUMBER:** **T-2** **REVISION:** **1**

1:13747.001:062564: HRT 106(B) 943202.dwg - Sheet#03 - User: ericmason Aug 14, 2020 4:11pm

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



1 OVERALL SITE PLAN  
 SCALE: 1" = 80'-0" (FULL SIZE)  
 1" = 160'-0" (1/4" = 1')



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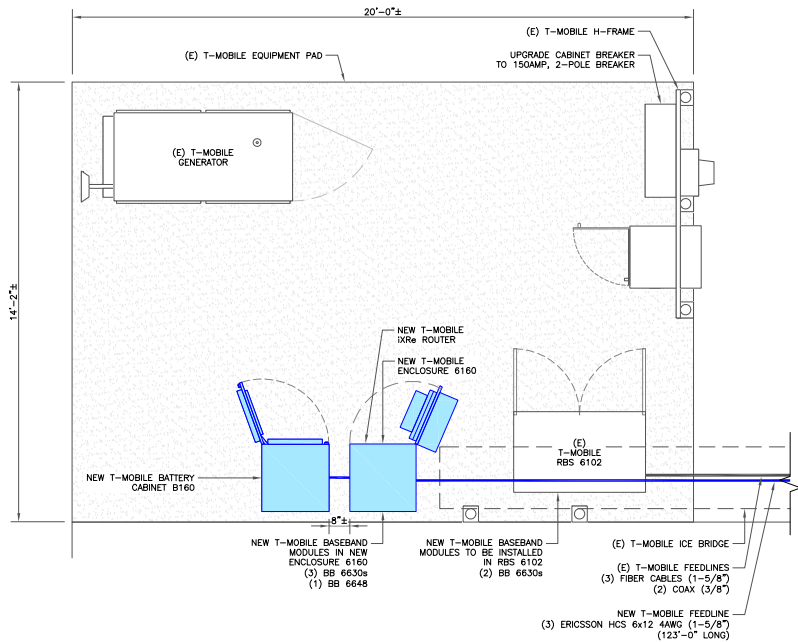
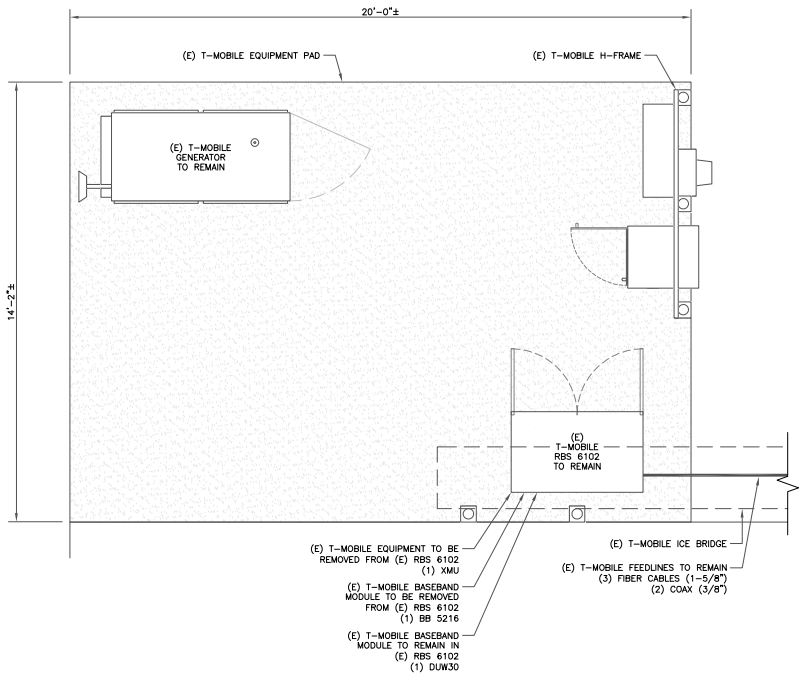
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**EQUIPMENT LEGEND:**

- EXISTING
- TO BE RELOCATED/REMOVED
- NEW



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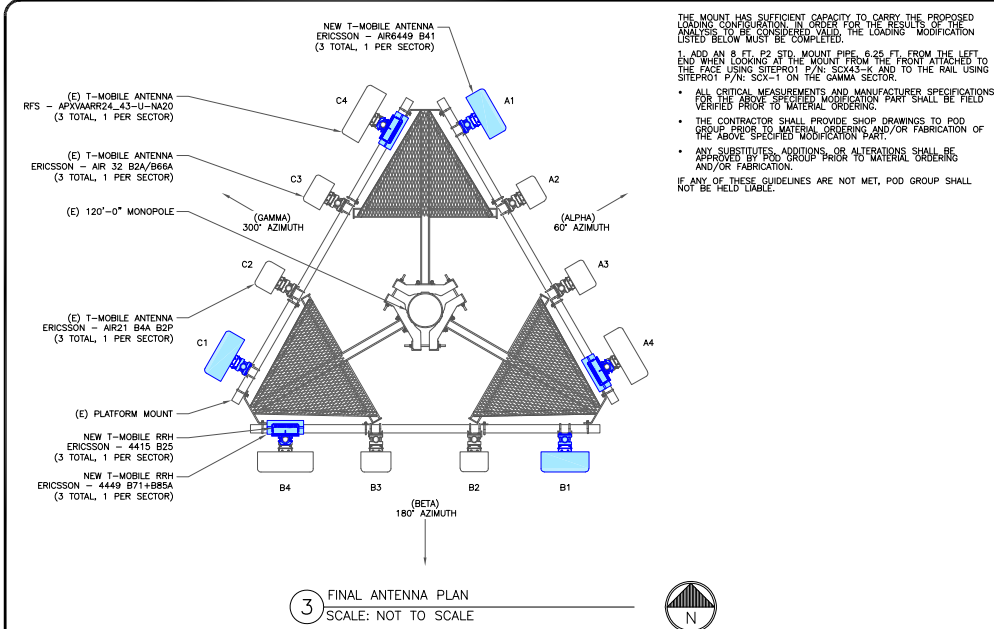
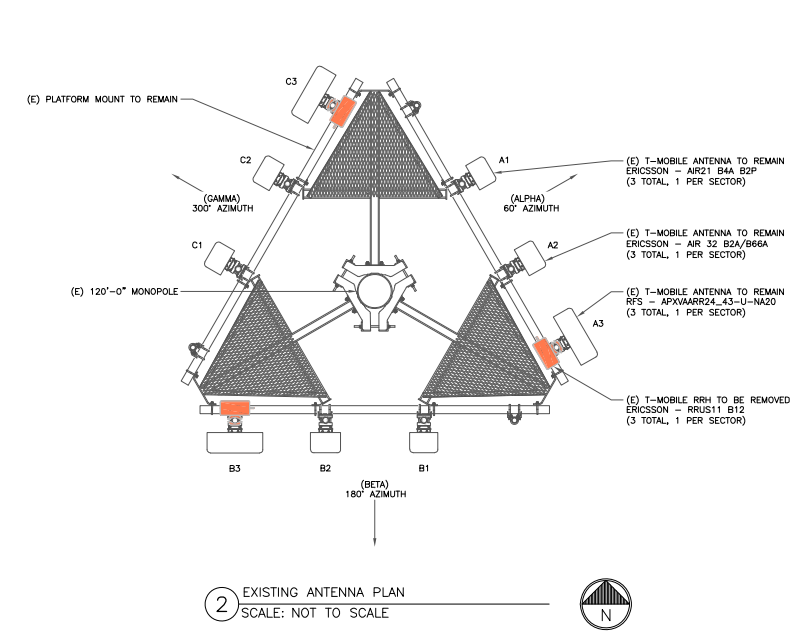
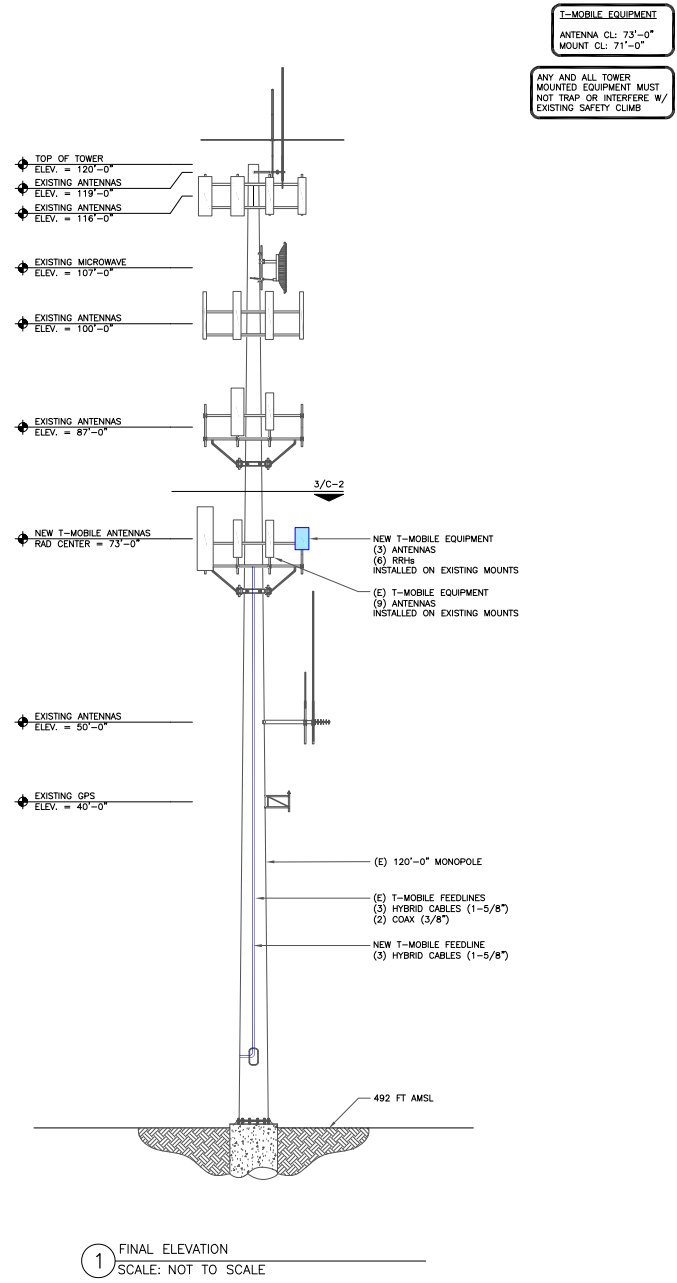
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**C-1.2**

**REVISION:**  
**1**

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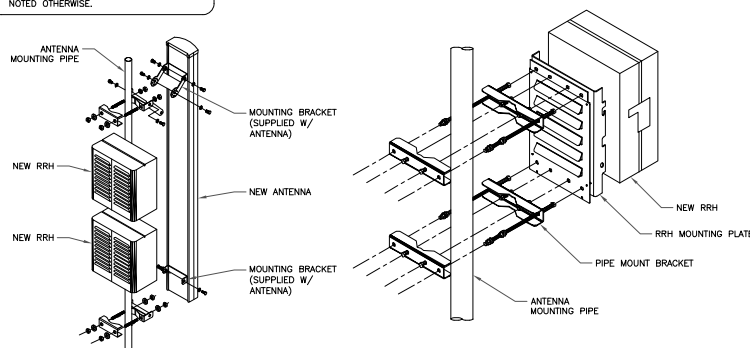
**C-3**

**1**

RF SYSTEM SCHEDULE												
SECTOR	ANTENNA	TECH	MANUFACTURER	ANTENNA MODEL	AZIMUTH	M-TILT	E-TILT	RAD CENTER	TMA/RRU	CABLE TYPE	CABLE DIAMETER	CABLE LENGTH
ALPHA	A-1	L2500/N2500	ERICSSON	AIR6449 B41	60°	0°	0°	73'-0"	-	(1) FIBER	6x12 HYBRID	110'
	A-2	U2100	ERICSSON	AIR21 B4A B2P	60°	0°	0°	73'-0"	-	-	-	-
	A-3	L1900/L2100	ERICSSON	AIR 32 B2A/B66AA	60°	0°	0°	73'-0"	-	-	-	-
	A-4	L600/N600/L700/L1900	RFS	APXVARR24_43-U-NA20	60°	0°	0°	73'-0"	4449 B71+B85A 4415 B25	(1) FIBER	6x12 HYBRID	110'
BETA	B-1	L2500/N2500	ERICSSON	AIR6449 B41	180°	0°	0°	73'-0"	-	(1) FIBER	6x12 HYBRID	110'
	B-2	U2100	ERICSSON	AIR21 B4A B2P	180°	0°	0°	73'-0"	-	-	-	-
	B-3	L1900/L2100	ERICSSON	AIR 32 B2A/B66AA	180°	0°	0°	73'-0"	-	-	-	-
	B-4	L600/N600/L700/L1900	RFS	APXVARR24_43-U-NA20	180°	0°	0°	73'-0"	4449 B71+B85A 4415 B25	(1) FIBER	6x12 HYBRID	110'
GAMMA	C-1	L2500/N2500	ERICSSON	AIR6449 B41	300°	0°	0°	73'-0"	-	(1) FIBER	6x12 HYBRID	110'
	C-2	U2100	ERICSSON	AIR21 B4A B2P	300°	0°	0°	73'-0"	-	-	-	-
	C-3	L1900/L2100	ERICSSON	AIR 32 B2A/B66AA	300°	0°	0°	73'-0"	-	-	-	-
	C-4	L600/N600/L700/L1900	RFS	APXVARR24_43-U-NA20	300°	0°	0°	73'-0"	4449 B71+B85A 4415 B25	(1) FIBER	6x12 HYBRID	110'

1 ANTENNA & FEEDLINE SCHEDULE  
SCALE: NOT TO SCALE

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



2 ANTENNA WITH RRHs MOUNTING DETAIL  
SCALE: NOT TO SCALE

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T-MOBILE SITE NUMBER:  
CTHA375A

BU #: 806364  
HRT 106(B) 943202

143R OLD BLUE HILLS ROAD  
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EXISTING  
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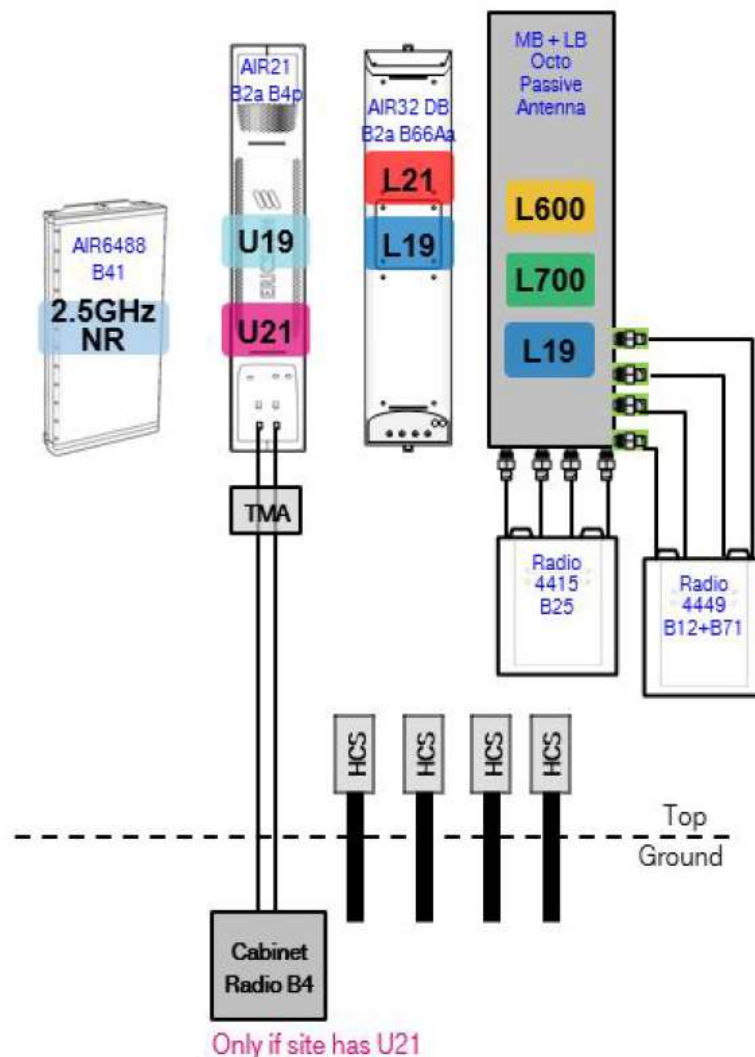
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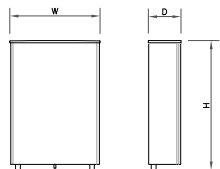
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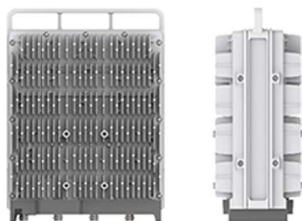


1 PLUMBING DIAGRAM  
SCALE: NOT TO SCALE



ANTENNA SPECS	
MANUFACTURER	ERICSSON
MODEL #	AIR6449 B41
WIDTH	20.6"
DEPTH	8.6"
HEIGHT	33.1"
WEIGHT	104 LBS

① ANTENNA SPECS  
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL #	4449 B71 B85
WIDTH	13.2"
DEPTH	10.63"
HEIGHT	17.91"
WEIGHT	73.2 LBS

② RRU SPECS  
SCALE: NOT TO SCALE



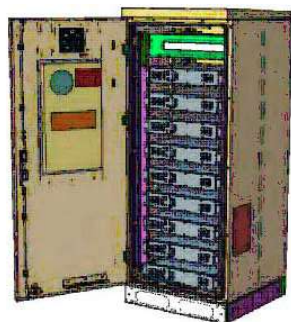
RRU SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL #	4415 B25
WIDTH	13.19"
DEPTH	5.39"
HEIGHT	14.96"
WEIGHT	44 LBS

③ RRU SPECS  
SCALE: NOT TO SCALE



CABINET SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL #	6160
WIDTH	25.6"
DEPTH	33.5"
HEIGHT	63"
WEIGHT	60 LBS

④ ERICSSON 6160 SSC  
SCALE: NOT TO SCALE



CABINET SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL #	B160
WIDTH	26"
DEPTH	26"
HEIGHT	63"
WEIGHT	134 KG

⑤ ERICSSON B160 BATTERY CABINET  
SCALE: NOT TO SCALE

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**C-5**

**1**

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FINAL PANEL SCHEDULE									
LOAD	POLES	AMPS	BOS		AMPS	POLES	LOAD		
			11	12				11	12
SURGE	2	60A	1	2	20A	1	TELCO PLUG		
			3	4	15A	1	LED FLOOD		
PROPOSED 6160	2	100A	5	6	20A	1	EMERSON		
			7	8					
			9	10	100A	2	RBS 6102		
			11	12					
			13	14					
			15	16					
			17	18					
			19	20					
			21	22					
			23	24					
			25	26					
			27	28					
			29	30					

RATED VOLTAGE:  120/240  1 PHASE, 3 WIRE BRANCH POLES:  12  24  30  42 APPROVED MFR'S

RATED AMPS:  100  200  400  CABINET:  SURFACE  FLUSH NEMA  1  3R  4X

MAIN LUGS:  MAIN 200 AMPS  BREAKER  FUSED SWITCH  HINGED DOOR  KEYPAD DOOR LATCH

FUSED  CIRCUIT BREAKERS  BRANCH DEVICES  TO BE GFCI BREAKERS  FULL NEUTRAL BUS  GROUND BAR

ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT ISC OF 10,000 AMPS SYMMETRICAL

INSTALL NEW BREAKER IN POSITION 5 AND 7 WITH A NEW 2P 100A BREAKER

INSTALL NEW WIRES FOR PROPOSED 6160 CABINET (3) 1/0 AWG THWN (COPPER) AND (1) #6 AWG. MINIMUM CONDUIT SIZE TO BE 2".

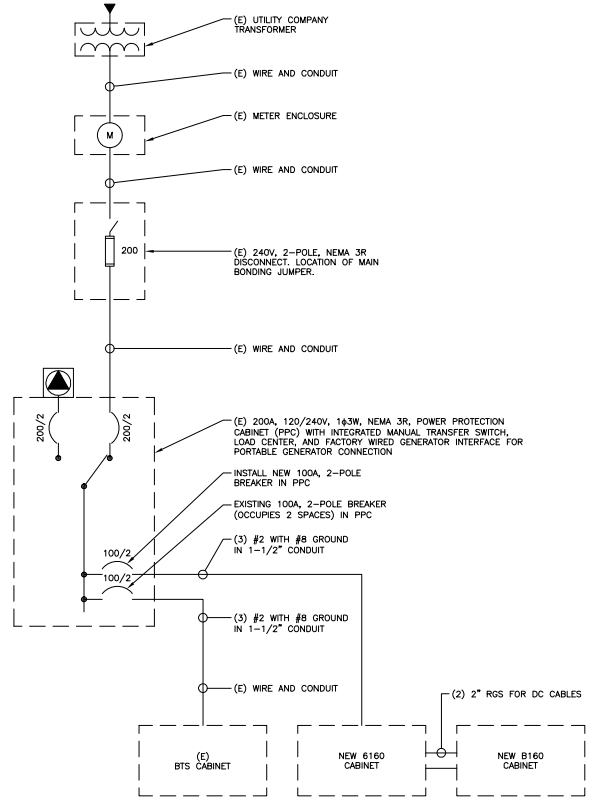
IF 100A BREAKER WILL NOT PROPERLY FIT IN EXISTING PANEL, REPLACE (5) PANEL WITH SQUARE D PANEL Q012040W200R6 (OR APPROVED EQUAL).

UPGRADE FEEDER WIRES TO MEET AMPACITY IF NEW PANEL IS REQUIRED.

FINAL PANEL DESIGN AND CALCULATIONS FOR WIRE SIZE WERE BASED OFF OF EXISTING PHOTOS

1 FINAL T-MOBILE PANEL DETAIL  
SCALE: NOT TO SCALE

1 AC PANEL SCHEDULE  
SCALE: NOT TO SCALE



2 ONE LINE DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:
- ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER. ALL CONDUCTORS SHALL BE THWN, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 UNLESS NOTED OTHERWISE.
  - CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  - ALL GROUNDING AND BONDING PER THE NEC.

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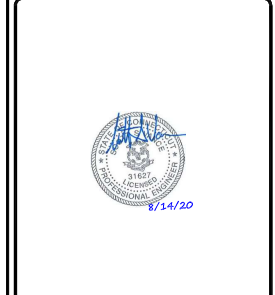
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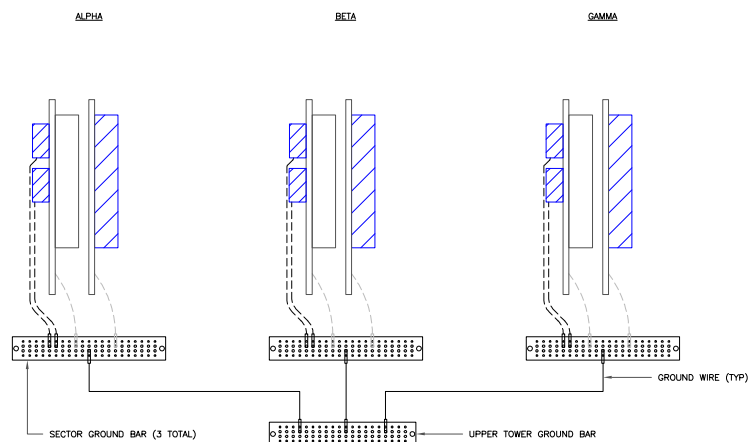
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SHEET NUMBER:

**G-1**

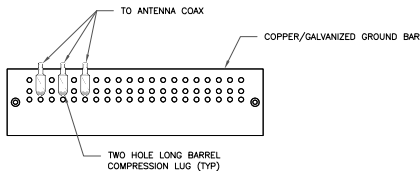
REVISION:

**1**



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

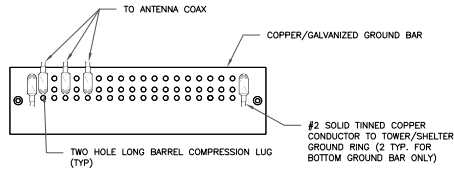
**1** ANTENNA GROUNDING DIAGRAM  
SCALE: NOT TO SCALE



**NOTES:**

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

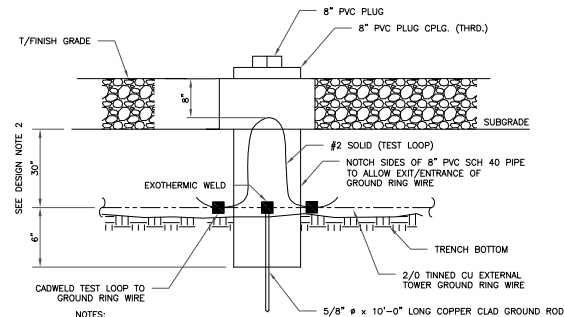
① ANTENNA SECTOR GROUND BAR DETAIL  
SCALE: NOT TO SCALE



**NOTES:**

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

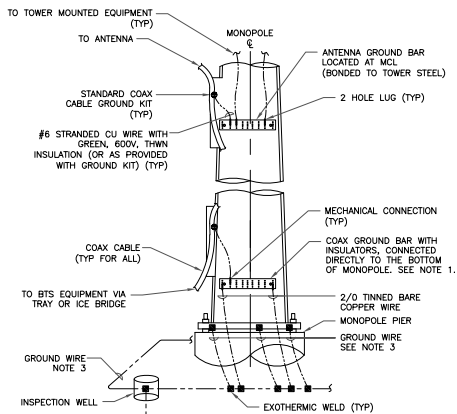
② TOWER/SHELTER GROUND BAR DETAIL  
SCALE: NOT TO SCALE



**NOTES:**

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

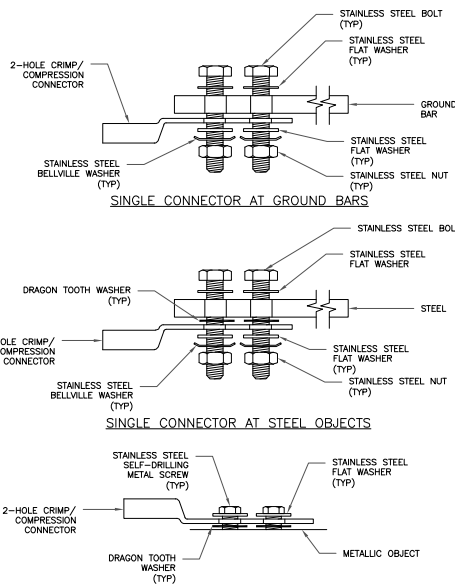
③ INSPECTION WELL DETAIL  
SCALE: NOT TO SCALE



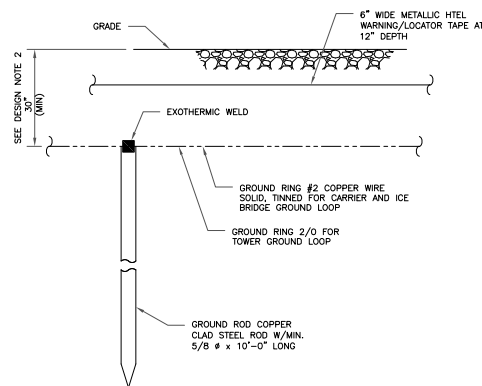
**NOTES:**

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

④ TYPICAL ANTENNA CABLE GROUNDING  
SCALE: NOT TO SCALE



⑤ HARDWARE DETAIL FOR EXTERIOR CONNECTIONS  
SCALE: NOT TO SCALE



**NOTES:**

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

⑥ GROUND ROD DETAIL  
SCALE: NOT TO SCALE

**T-Mobile**

4 SYLVAN WAY  
PARSLIPPANT, NJ 07054

**CROWN CASTLE**

3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277

**B+T GRP**

1717 S. BOULDER  
SUITE 300  
TULSA, OK 74119  
PH: (918) 587-4630  
www.btgrp.com

T-MOBILE SITE NUMBER:  
**CTHA375A**

BU #: 806364  
**HRT 106(B) 943202**

143R OLD BLUE HILLS ROAD  
DURHAM, CT 06422

EXISTING  
120'-0" MONOPOLE

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/24/20	BLB	CONSTRUCTION	EMC
1	8/14/20	MLC	CONSTRUCTION	MTJ



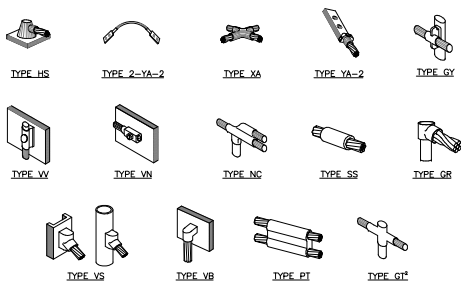
B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/21

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UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET NUMBER: REVISION:

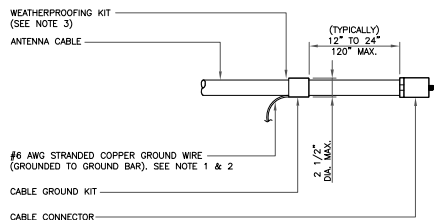
**G-2**

**1**



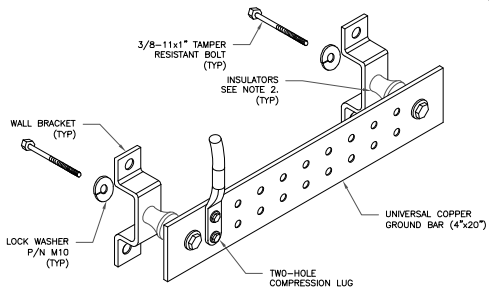
NOTE:  
 1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.  
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

**1 CADWELD GROUNDING CONNECTIONS**  
 SCALE: NOT TO SCALE



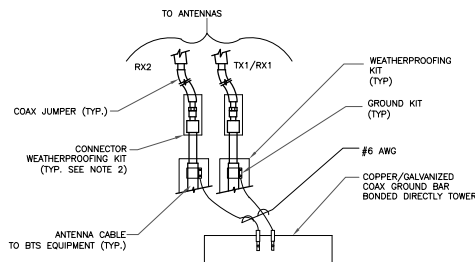
NOTES:  
 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.  
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.  
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

**3 CABLE GROUND KIT CONNECTION**  
 SCALE: NOT TO SCALE



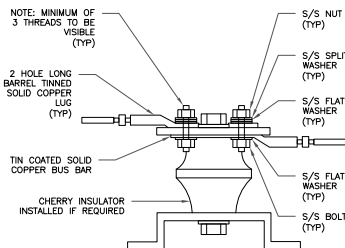
NOTES:  
 1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER. PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION. CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.  
 2.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

**6 GROUND BAR DETAIL**  
 SCALE: NOT TO SCALE



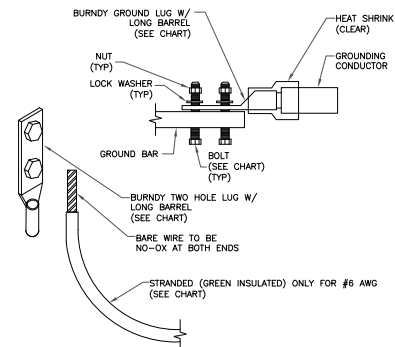
NOTES:  
 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.  
 2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

**4 GROUND CABLE CONNECTION**  
 SCALE: NOT TO SCALE



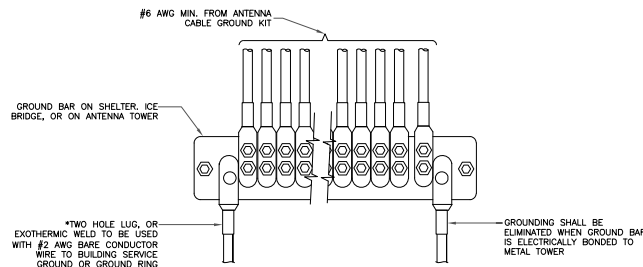
**7 LUG DETAIL**  
 SCALE: NOT TO SCALE

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

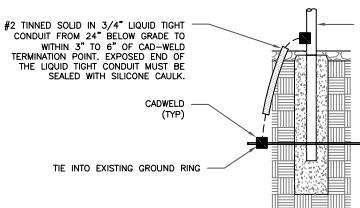


NOTES:  
 1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

**2 MECHANICAL LUG CONNECTION**  
 SCALE: NOT TO SCALE



**5 GROUNDWIRE INSTALLATION**  
 SCALE: NOT TO SCALE



**8 TRANSITIONING GROUND DETAIL**  
 SCALE: NOT TO SCALE

**T-Mobile**  
 4 SYLVAN WAY  
 PARSIPPANY, NJ 07054

**CROWN CASTLE**  
 3530 TORINGDON WAY, SUITE 300  
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T-MOBILE SITE NUMBER:  
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**HRT 106(B) 943202**

143R OLD BLUE HILLS ROAD  
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EXISTING  
 120'-0" MONOPOLE

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B&T ENGINEERING, INC.  
 PEC.0001564  
 Expires 2/10/21

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SHEET NUMBER: REVISION:

**G-3**

**1**

143747.001\_943202.dwg - SheetG-3 - User: rstanon - Aug 14, 2020 - 4:12pm

# Exhibit D

## **Structural Analysis Report**



Date: **June 17, 2020**



Onnesta Gillis  
Crown Castle  
8000 Avalon Blvd  
Alpharetta, GA 30009

Crown Castle  
2000 Corporate Drive  
Canonsburg, PA 15317  
(724) 416-2000

**Subject:** **Structural Analysis Report**

**Carrier Designation:** **T-Mobile Co-Locate**  
**Carrier Site Number:** CTHA375A  
**Carrier Site Name:** CTHA375A

**Crown Castle Designation:** **Crown Castle BU Number:** 806364  
**Crown Castle Site Name:** HRT 106(B) 943202  
**Crown Castle JDE Job Number:** 614601  
**Crown Castle Work Order Number:** 1860392  
**Crown Castle Order Number:** 524464 Rev. 0

**Engineering Firm Designation:** **Crown Castle Project Number:** 1860392

**Site Data:** **143 R Old Blue Hill Road, DURHAM, Middlesex County, CT**  
**Latitude 41° 27' 33.67", Longitude -72° 39' 45.83"**  
**120 Foot - Monopole Tower**

Dear Onnesta Gillis,

Crown Castle is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above mentioned tower.

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

LC7: Proposed Equipment Configuration

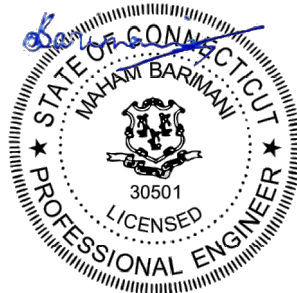
**Sufficient Capacity – 85.6%**

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

Structural analysis prepared by: Brad Sparks

Respectfully submitted by:

Maham Barimani, P.E.  
Senior Project Engineer



Jun 17 2020 3:02 PM

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3.2) Assumptions

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Table 5 – Tower Component Stresses vs. Capacity – LC7

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### 5) APPENDIX A

tnxTower Output

### 6) APPENDIX B

Base Level Drawing

### 7) APPENDIX C

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## 1) INTRODUCTION

This tower is a 120 ft Monopole tower designed by Valmont.

## 2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

**Table 1 - Proposed Equipment Configuration**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
71.0	75.0	1	commscope	SHP2-13	6 2	1-5/8 3/8
	73.0	3	ericsson	AIR 32 B2a/B66Aa		
		3	ericsson	AIR21 B4A B2P_T-MOBILE		
		3	ericsson	AIR6449 B41		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RRUS 4415 B25		
		3	rfs celwave	APXVAARR24_43-U-NA20_T-MOBILE		
	71.0	1	tower mounts	8 ft. P2 Std. Mount Pipe		
		1	tower mounts	Platform Mount [LP 1301-1]		

**Table 2 - Other Considered Equipment**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
119.0	125.0	1	decibel	DB809MT3-XT	2	7/8
	123.0	1	decibel	DB201-A		
	119.0	1	tower mounts	Side Arm Mount [SO 102-3]		
		2	tower mounts	Side Arm Mount [SO 701-1]		
116.0	116.0	6	andrew	SBNHH-1D65A w/ Mount Pipe	6 6 2 2 3	1-5/8 3/4 7/8 3/8 Conduit
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 4415 B25		
		3	ericsson	RRUS 4426 B66		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	ericsson	RRUS-32 B30		
		6	kathrein	80010964 w/ Mount Pipe		
		2	raycap	DC6-48-60-18-8C		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	
		1	raycap	DC6-48-60-18-8C-EV			
		1	raycap	DC6-48-60-18-8F			
		1	tower mounts	Platform Mount [LP 602-1]			
107.0	107.0	1	gabriel electronics	GLF6-450	1	7/8	
		1	tower mounts	Pipe Mount [PM 601-1]			
100.0	101.0	6	andrew	SBNHH-1D65B w/ Mount Pipe	12 2	7/8 1-5/8	
		6	antel	LPA-80080/6CF w/ Mount Pipe			
		3	nokia	AIRSCALE RRH 4T4R B5 160W			
		3	rfs celwave	FDJ85020Q4-S1			
	100.0	100.0	3	alcatel lucent			B13 RRH4X30-4R
			3	alcatel lucent			B25 RRH4X30
			3	alcatel lucent			B66A RRH4X45
			2	raycap			RXXDC-3315-PF-48
87.0	89.0	1	tower mounts	Platform Mount [LP 713-1]	3 1	1-1/4 7/8	
		3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ			
		6	alcatel lucent	RRH2X50-800			
		3	commscope	NNVV-65B-R4 w/ Mount Pipe			
		3	nokia	FZHN			
	3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe				
	87.0	1	tower mounts	Platform Mount [LP 713-1]			
50.0	57.0	1	rfs celwave	PD1142-1	3 1	7/8 1/2	
	54.0	1	decibel	ASP-655			
	53.0	1	rfs celwave	PD1121-6			
	50.0	2	crown tower mounts	Side Arm Mount [SO 702-1]			
		1	decibel	DB492A			
40.0	41.0	1	tekelec systems.	EPSILON GPS ANTENNA 35 DB	1	1/2 Conduit	
	40.0	1	crown tower mounts	Side Arm Mount [SO 701-1]	1		

### 3) ANALYSIS PROCEDURE

**Table 3 - Documents Provided**

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Clarence Welti Assoc., Inc.	262150	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	SAC Engineering, Inc.	297341	CCISITES
4-TOWER MANUFACTURER DRAWINGS	Valmont	262153	CCISITES

### 3.1) Analysis Method

tnxTower (version 8.0.5.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

### 3.2) Assumptions

- 1) Tower and structures were built and maintained in accordance with the manufacturer's specifications.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

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

## 4) ANALYSIS RESULTS

**Table 4 - Section Capacity (Summary)**

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	120 - 100	Pole	TP20.263x15.403x0.1875	1	-5.38	744.51	33.5	Pass
L2	100 - 47.0833	Pole	TP33.13x20.263x0.2813	2	-23.81	1760.81	85.6	Pass
L3	47.0833 - 0	Pole	TP44x31.372x0.375	3	-38.45	3235.70	79.8	Pass
							Summary	
						Pole (L2)	85.6	Pass
						Rating =	85.6	Pass

**Table 5 - Tower Component Stresses vs. Capacity – LC7**

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	100	47.9	Pass
1	Flange Plates		14.5	Pass
1	Anchor Rods	0	69.2	Pass
1	Base Plate	0	39.7	Pass
1	Base Foundation Structure	0	9.2	Pass
1	Base Foundation Soil Interaction	0	37.2	Pass

<b>Structure Rating (max from all components) =</b>	<b>85.6%</b>
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

#### 4.1) Recommendations

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

The results of the tilt and twist values for a 60 mph 3-second gust service wind speed per the TIA-222-H Standard are given below:

### Critical Deflections and Radius of Curvature - Service Wind

<i>Elevation</i>	<i>Appurtenance</i>	<i>Gov. Load Comb.</i>	<i>Deflection</i>	<i>Tilt</i>	<i>Twist</i>	<i>Radius of Curvature</i>
<i>ft</i>			<i>in</i>	<i>°</i>	<i>°</i>	<i>ft</i>
75.00	SHP2-13	43	7.24	0.96	0.00	4121

**APPENDIX A**  
**TNXTOWER OUTPUT**

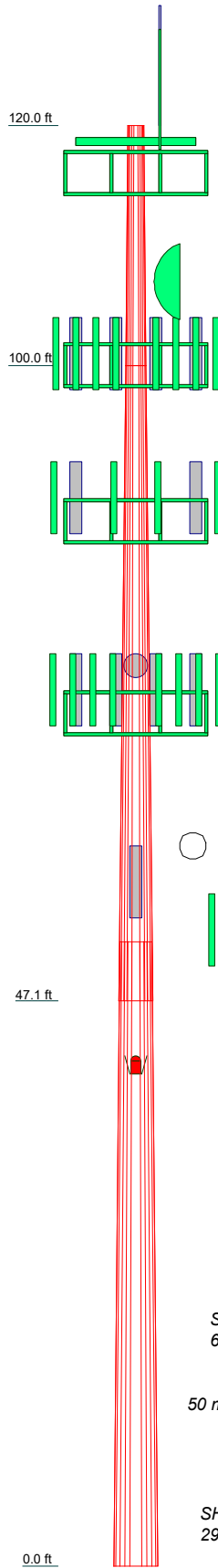
### MATERIAL STRENGTH

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

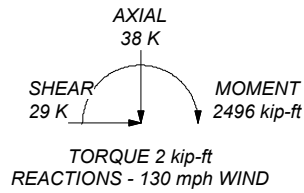
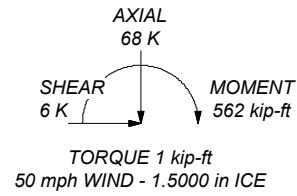
### TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 85.6%

Section	1	2	3
Length (ft)	20.00	52.92	52.00
Number of Sides	12	12	12
Thickness (in)	0.1875	0.2813	0.3750
Socket Length (ft)		4.92	31.3720
Top Dia (in)	15.4030	20.2630	44.0000
Bot Dia (in)	20.2630	33.1300	
Grade		A572-65	
Weight (K)	0.7	4.3	8.0



ALL REACTIONS  
ARE FACTORED




**Crown Castle**  
 2000 Corporate Drive  
 Canonsburg, PA 15317  
 The Pathway to Possible Phone: (724) 416-2000  
 FAX:

Job:	<b>BU# 806364</b>		
Project:			
Client:	Crown Castle	Drawn by:	BSparks
Code:	TIA-222-H	Date:	06/17/20
Path:	R:\SA Models - Letters\Work Area\BSparks\WIP\806364 WO 1860392\Production\806364.dwg	App'd:	
		Scale:	NTS
		Dwg No.	E-1



## Tower Input Data

The tower is a monopole.  
 This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- 3) Tower is located in Middlesex County, Connecticut.
- 4) Tower base elevation above sea level: 511.00 ft.
- 5) Basic wind speed of 130 mph.
- 6) Risk Category II.
- 7) Exposure Category B.
- 8) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 9) Topographic Category: 1.
- 10) Crest Height: 0.00 ft.
- 11) Nominal ice thickness of 1.5000 in.
- 12) Ice thickness is considered to increase with height.
- 13) Ice density of 56.00 pcf.
- 14) A wind speed of 50 mph is used in combination with ice.
- 15) Temperature drop of 50 °F.
- 16) Deflections calculated using a wind speed of 60 mph.
- 17) A non-linear (P-delta) analysis was used.
- 18) Pressures are calculated at each section.
- 19) Stress ratio used in pole design is 1.05.
- 20) Tower analysis based on target reliabilities in accordance with Annex S.
- 21) Load Modification Factors used:  $K_{es}(F_w) = 0.95$ ,  $K_{es}(t_i) = 0.85$ .
- 22) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios ✓ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile  Include Bolts In Member Capacity  Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric	Distribute Leg Loads As Uniform Assume Legs Pinned ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ Use Azimuth Dish Coefficients ✓ Project Wind Area of Appurt.  Autocalc Torque Arm Areas  Add IBC .6D+W Combination ✓ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs	Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation ✓ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption  <div style="background-color: #e0e0e0; text-align: center; padding: 2px;">Poles</div> ✓ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
--	---	--

## Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	120.00-100.00	20.00	0.00	12	15.4030	20.2630	0.1875	0.7500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L2	100.00-47.08	52.92	4.92	12	20.2630	33.1300	0.2813	1.1250	A572-65 (65 ksi)
L3	47.08-0.00	52.00		12	31.3720	44.0000	0.3750	1.5000	A572-65 (65 ksi)

### Tapered Pole Properties

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	I/Q in <sup>2</sup>	w in	w/t
L1	15.8802	9.1864	271.4575	5.4471	7.9788	34.0225	550.0464	4.5212	3.6255	19.336
	20.9117	12.1206	623.5083	7.1870	10.4962	59.4030	1263.3968	5.9654	4.9280	26.283
L2	20.8786	18.0960	922.2208	7.1535	10.4962	87.8621	1868.6694	8.9063	4.6767	16.628
	34.1995	29.7486	4097.2352	11.7599	17.1613	238.7480	8302.1094	14.6414	8.1251	28.889
L3	33.5825	37.4288	4590.1943	11.0969	16.2507	282.4616	9300.9781	18.4213	7.4027	19.741
	45.4199	52.6772	12796.152	15.6177	22.7920	561.4318	25928.474	25.9261	10.7870	28.765

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>r</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 120.00- 100.00				1	1	1			
L2 100.00- 47.08				1	1	1			
L3 47.08-0.00				1	1	1			

### Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	Number Per Row	Start/En d Position	Width or Diamete r in	Perimete r in	Weight plf
** 2" Rigid Conduit ****	C	No	Surface Ar (CaAa)	40.00 - 0.00	1	1	0.170 0.180	2.0000		2.80

### Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	C <sub>A</sub> A <sub>A</sub> ft <sup>2</sup> /ft	Weight plf
LDF5-50A(7/8)	C	No	No	Inside Pole	119.00 -0.00	2		
							No Ice	0.33
							1/2" Ice	0.33
							1" Ice	0.33
							2" Ice	0.33
** 2" Rigid Conduit	A	No	No	Inside Pole	116.00 -0.00	3		
							No Ice	2.80
							1/2" Ice	2.80
							1" Ice	2.80
							2" Ice	2.80
WR-VG66ST- BRD_CCIV2(7/8)	A	No	No	Inside Pole	116.00 -0.00	2		
							No Ice	0.88
							1/2" Ice	0.88
							1" Ice	0.88

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C <sub>A</sub> A <sub>A</sub> ft <sup>2</sup> /ft	Weight plf
LDF7-50A(1-5/8)	A	No	No	Inside Pole	116.00 -0.00	6	2" Ice	0.00	0.88
							No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	116.00 -0.00	4	2" Ice	0.00	0.82
							No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	116.00 -0.00	2	2" Ice	0.00	0.58
							No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	116.00 -0.00	2	2" Ice	0.00	0.06
							No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
**							2" Ice	0.00	0.58
LDF5-50A(7/8)	C	No	No	Inside Pole	107.00 -0.00	1	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
**									
LDF5-50A(7/8)	C	No	No	Inside Pole	100.00 -0.00	12	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	100.00 -0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
**									
HB114-1-08U4-M5F(1-1/4)	C	No	No	Inside Pole	87.00 -0.00	3	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
HB114-08U3M12-XXXF(7/8)	C	No	No	Inside Pole	87.00 -0.00	1	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
							2" Ice	0.00	0.68
**									
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	71.00 -0.00	3	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	71.00 -0.00	3	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
LDF2-50(3/8)	A	No	No	Inside Pole	71.00 -0.00	2	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
							2" Ice	0.00	0.08
**									
LDF5-50A(7/8)	C	No	No	Inside Pole	50.00 -0.00	3	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
LDF4-50A(1/2)	C	No	No	Inside Pole	50.00 -0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
LDF4-50A(1/2)	C	No	No	Inside Pole	40.00 -0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
****									

### Feed Line/Linear Appurtenances Section Areas

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face	$A_R$ <i>ft<sup>2</sup></i>	$A_F$ <i>ft<sup>2</sup></i>	$C_{AA}$ In Face <i>ft<sup>2</sup></i>	$C_{AA}$ Out Face <i>ft<sup>2</sup></i>	Weight <i>K</i>
L1	120.00-100.00	A	0.000	0.000	0.000	0.000	0.30
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.01
L2	100.00-47.08	A	0.000	0.000	0.000	0.000	1.34
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.59
L3	47.08-0.00	A	0.000	0.000	0.000	0.000	1.57
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	8.000	0.000	0.74

### Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face or Leg	Ice Thickness <i>in</i>	$A_R$ <i>ft<sup>2</sup></i>	$A_F$ <i>ft<sup>2</sup></i>	$C_{AA}$ In Face <i>ft<sup>2</sup></i>	$C_{AA}$ Out Face <i>ft<sup>2</sup></i>	Weight <i>K</i>
L1	120.00-100.00	A	1.438	0.000	0.000	0.000	0.000	0.30
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.01
L2	100.00-47.08	A	1.379	0.000	0.000	0.000	0.000	1.34
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.59
L3	47.08-0.00	A	1.228	0.000	0.000	0.000	0.000	1.57
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	19.029	0.000	0.97

### Feed Line Center of Pressure

Section	Elevation <i>ft</i>	$CP_x$ <i>in</i>	$CP_z$ <i>in</i>	$CP_x$ Ice <i>in</i>	$CP_z$ Ice <i>in</i>
L1	120.00-100.00	0.0000	0.0000	0.0000	0.0000
L2	100.00-47.08	0.0000	0.0000	0.0000	0.0000
L3	47.08-0.00	-0.3799	0.9897	-0.6435	1.6764

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

### Shielding Factor $K_a$

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L2	25	2" Rigid Conduit	47.08 - 40.00	1.0000	1.0000

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets:			Placement	C <sub>AA</sub> <sub>Front</sub>	C <sub>AA</sub> <sub>Side</sub>	Weight
			Horz	Lateral	Vert				
			ft	ft	ft				
DB809MT3-XT	A	From Leg	3.00	0.00	119.00	No Ice	2.84	2.84	0.03
			0.00			1/2"	4.29	4.29	0.05
			6.00			Ice	5.75	5.75	0.08
						1" Ice	8.72	8.72	0.17
DB201-A	C	From Face	3.00	0.00	119.00	No Ice	1.10	1.10	0.03
			0.00			1/2"	1.98	1.98	0.03
			4.00			Ice	2.86	2.86	0.04
						1" Ice	4.62	4.62	0.06
Side Arm Mount [SO 102-3]	C	None		0.00	119.00	No Ice	3.60	3.60	0.07
						1/2"	4.18	4.18	0.11
						Ice	4.75	4.75	0.14
						1" Ice	5.90	5.90	0.20
Side Arm Mount [SO 701-1]	A	From Leg	1.50	0.00	119.00	No Ice	0.85	1.67	0.07
			0.00			1/2"	1.14	2.34	0.08
			0.00			Ice	1.43	3.01	0.09
						1" Ice	2.01	4.35	0.12
Side Arm Mount [SO 701-1]	C	From Face	1.50	0.00	119.00	No Ice	0.85	1.67	0.07
			0.00			1/2"	1.14	2.34	0.08
			0.00			Ice	1.43	3.01	0.09
						1" Ice	2.01	4.35	0.12
4' x 2" Pipe Mount	A	From Leg	3.00	0.00	119.00	No Ice	0.79	0.79	0.03
			0.00			1/2"	1.03	1.03	0.04
			0.00			Ice	1.28	1.28	0.04
						1" Ice	1.81	1.81	0.07
4' x 2" Pipe Mount	C	From Face	3.00	0.00	119.00	No Ice	0.79	0.79	0.03
			0.00			1/2"	1.03	1.03	0.04
			0.00			Ice	1.28	1.28	0.04
						1" Ice	1.81	1.81	0.07
**									
Platform Mount [LP 602-1]	C	None		0.00	116.00	No Ice	31.07	31.07	1.34
						1/2"	34.82	34.82	1.97
						Ice	38.48	38.48	2.67
						1" Ice	45.60	45.60	4.31
(2) SBNHH-1D65A w/ Mount Pipe	A	From Leg	4.00	0.00	116.00	No Ice	3.04	2.45	0.05
			0.00			1/2"	3.34	2.75	0.10
			0.00			Ice	3.65	3.05	0.16
						1" Ice	4.31	3.68	0.31
(2) SBNHH-1D65A w/ Mount Pipe	B	From Leg	4.00	0.00	116.00	No Ice	3.04	2.45	0.05
			0.00			1/2"	3.34	2.75	0.10
			0.00			Ice	3.65	3.05	0.16
						1" Ice	4.31	3.68	0.31
(2) SBNHH-1D65A w/ Mount Pipe	C	From Leg	4.00	0.00	116.00	No Ice	3.04	2.45	0.05
			0.00			1/2"	3.34	2.75	0.10
			0.00			Ice	3.65	3.05	0.16
						1" Ice	4.31	3.68	0.31
(2) 80010964 w/ Mount Pipe	A	From Leg	4.00	0.00	116.00	No Ice	8.61	4.10	0.12
			0.00			1/2"	9.18	4.59	0.19
			0.00			Ice	9.77	5.10	0.26
						1" Ice	10.98	6.16	0.45
(2) 80010964 w/ Mount Pipe	B	From Leg	4.00	0.00	116.00	No Ice	8.61	4.10	0.12
			0.00			1/2"	9.18	4.59	0.19
			0.00			Ice	9.77	5.10	0.26
						1" Ice	10.98	6.16	0.45

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K	
(2) 80010964w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	116.00	2" Ice			
						No Ice	8.61	4.10	0.12
						1/2"	9.18	4.59	0.19
						Ice	9.77	5.10	0.26
DC6-48-60-18-8F	B	From Leg	4.00 0.00 0.00	0.00	116.00	1" Ice	10.98	6.16	0.45
						2" Ice			
						No Ice	1.21	1.21	0.02
						1/2"	1.89	1.89	0.04
DC6-48-60-18-8C	B	From Leg	4.00 0.00 0.00	0.00	116.00	Ice	2.11	2.11	0.07
						1" Ice	2.57	2.57	0.13
						2" Ice			
						No Ice	1.14	1.14	0.03
RRUS 32 B2	A	From Leg	4.00 0.00 0.00	0.00	116.00	1/2"	1.79	1.79	0.05
						Ice	2.00	2.00	0.07
						1" Ice	2.45	2.45	0.13
						2" Ice			
RRUS 32 B2	B	From Leg	4.00 0.00 0.00	0.00	116.00	No Ice	2.73	1.67	0.05
						1/2"	2.95	1.86	0.07
						Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
RRUS 32 B2	C	From Leg	4.00 0.00 0.00	0.00	116.00	2" Ice			
						No Ice	2.73	1.67	0.05
						1/2"	2.95	1.86	0.07
						Ice	3.18	2.05	0.10
RRUS 32 B2	B	From Leg	4.00 0.00 0.00	0.00	116.00	1" Ice	3.66	2.46	0.16
						2" Ice			
						No Ice	2.73	1.67	0.05
						1/2"	2.95	1.86	0.07
DC6-48-60-18-8C	B	From Leg	4.00 0.00 0.00	0.00	116.00	Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
						No Ice	1.14	1.14	0.03
RRUS-32 B30	A	From Leg	4.00 0.00 0.00	0.00	116.00	1/2"	1.79	1.79	0.05
						Ice	2.00	2.00	0.07
						1" Ice	2.45	2.45	0.13
						2" Ice			
RRUS-32 B30	B	From Leg	4.00 0.00 0.00	0.00	116.00	No Ice	3.31	2.42	0.08
						1/2"	3.56	2.64	0.10
						Ice	3.81	2.86	0.14
						1" Ice	4.33	3.32	0.21
RRUS-32 B30	C	From Leg	4.00 0.00 0.00	0.00	116.00	2" Ice			
						No Ice	3.31	2.42	0.08
						1/2"	3.56	2.64	0.10
						Ice	3.81	2.86	0.14
RRUS 4415 B25	B	From Leg	4.00 0.00 0.00	0.00	116.00	1" Ice	4.33	3.32	0.21
						2" Ice			
						No Ice	1.64	0.68	0.04
						1/2"	1.80	0.79	0.06
RRUS 4415 B25	A	From Leg	4.00 0.00 0.00	0.00	116.00	Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11
						2" Ice			
						No Ice	1.64	0.68	0.04
RRUS 4415 B25	C	From Leg	4.00 0.00 0.00	0.00	116.00	1/2"	1.80	0.79	0.06
						Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11
						2" Ice			
RRUS 4415 B25	B	From Leg	4.00 0.00 0.00	0.00	116.00	No Ice	1.64	0.68	0.04
						1/2"	1.80	0.79	0.06
						Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C <sub>AA</sub> <sub>Front</sub>	C <sub>AA</sub> <sub>Side</sub>	Weight	
			Horz	Lateral						Vert
			ft	ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K	
DC6-48-60-18-8C-EV	B	From Leg	4.00	0.00	0.00	116.00	2" Ice			
							No Ice	1.14	1.14	0.03
							1/2"	1.79	1.79	0.05
							Ice	2.00	2.00	0.07
RRUS 4426 B66	A	From Leg	4.00	0.00	0.00	116.00	1" Ice	2.45	2.45	0.13
							2" Ice			
							No Ice	1.64	0.73	0.05
							1/2"	1.80	0.84	0.06
RRUS 4426 B66	B	From Leg	4.00	0.00	0.00	116.00	Ice	1.97	0.97	0.08
							1" Ice	2.33	1.24	0.11
							2" Ice			
							No Ice	1.64	0.73	0.05
RRUS 4426 B66	C	From Leg	4.00	0.00	0.00	116.00	1/2"	1.80	0.84	0.06
							Ice	1.97	0.97	0.08
							1" Ice	2.33	1.24	0.11
							2" Ice			
RRUS 4478 B14_CCIV2	A	From Leg	4.00	0.00	0.00	116.00	No Ice	1.64	0.73	0.05
							1/2"	1.80	0.84	0.06
							Ice	1.97	0.97	0.08
							1" Ice	2.33	1.24	0.11
RRUS 4478 B14_CCIV2	B	From Leg	4.00	0.00	0.00	116.00	2" Ice			
							No Ice	2.02	1.25	0.06
							1/2"	2.20	1.40	0.08
							Ice	2.39	1.55	0.10
RRUS 4478 B14_CCIV2	C	From Leg	4.00	0.00	0.00	116.00	1" Ice	2.78	1.89	0.15
							2" Ice			
							No Ice	2.02	1.25	0.06
							1/2"	2.20	1.40	0.08
RRUS 4449 B5/B12	A	From Leg	4.00	0.00	0.00	116.00	Ice	2.39	1.55	0.10
							1" Ice	2.78	1.89	0.15
							2" Ice			
							No Ice	2.02	1.25	0.06
RRUS 4449 B5/B12	B	From Leg	4.00	0.00	0.00	116.00	1/2"	2.20	1.40	0.08
							Ice	2.39	1.55	0.10
							1" Ice	2.78	1.89	0.15
							2" Ice			
RRUS 4449 B5/B12	C	From Leg	4.00	0.00	0.00	116.00	No Ice	2.02	1.25	0.06
							1/2"	2.20	1.40	0.08
							Ice	2.39	1.55	0.10
							1" Ice	2.78	1.89	0.15
RRUS 4449 B5/B12	A	From Leg	4.00	0.00	0.00	116.00	2" Ice			
							No Ice	1.97	1.41	0.07
							1/2"	2.14	1.56	0.09
							Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	B	From Leg	4.00	0.00	0.00	116.00	1" Ice	2.72	2.07	0.16
							2" Ice			
							No Ice	1.97	1.41	0.07
							1/2"	2.14	1.56	0.09
RRUS 4449 B5/B12	C	From Leg	4.00	0.00	0.00	116.00	Ice	2.33	1.73	0.11
							1" Ice	2.72	2.07	0.16
							2" Ice			
							No Ice	1.97	1.41	0.07
6' x 2" Mount Pipe	B	From Leg	4.00	0.00	0.00	116.00	1/2"	2.14	1.56	0.09
							Ice	2.33	1.73	0.11
							1" Ice	2.72	2.07	0.16
							2" Ice			
6' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.00	116.00	No Ice	1.43	1.43	0.02
							1/2"	1.92	1.92	0.03
							Ice	2.29	2.29	0.05
							1" Ice	3.06	3.06	0.09
Pipe Mount [PM601-1]	B	From Leg	0.50	0.00	0.00	107.00	2" Ice			
							No Ice	1.32	1.32	0.07
							1/2"	1.58	1.58	0.08
							Ice	1.84	1.84	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K	
						1" Ice 2" Ice	2.40 2.40	0.13	
** (2) LPA-80080/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.11 5.61 6.65	10.26 11.43 12.31 14.13	0.05 0.11 0.19 0.36
(2) LPA-80080/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.11 5.61 6.65	10.26 11.43 12.31 14.13	0.05 0.11 0.19 0.36
(2) LPA-80080/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.11 5.61 6.65	10.26 11.43 12.31 14.13	0.05 0.11 0.19 0.36
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
AIRSCALE RRH 4T4R B5 160W	A	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.29 1.43 1.58 1.90	0.72 0.83 0.96 1.22	0.04 0.05 0.06 0.09
AIRSCALE RRH 4T4R B5 160W	B	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.29 1.43 1.58 1.90	0.72 0.83 0.96 1.22	0.04 0.05 0.06 0.09
AIRSCALE RRH 4T4R B5 160W	C	From Leg	4.00 0.00 1.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.29 1.43 1.58 1.90	0.72 0.83 0.96 1.22	0.04 0.05 0.06 0.09
B25 RRH4X30	A	From Leg	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.20 2.39 2.59 3.01	1.74 1.92 2.11 2.50	0.06 0.08 0.10 0.16
B25 RRH4X30	B	From Leg	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.20 2.39 2.59 3.01	1.74 1.92 2.11 2.50	0.06 0.08 0.10 0.16
B25 RRH4X30	C	From Leg	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.20 2.39 2.59 3.01	1.74 1.92 2.11 2.50	0.06 0.08 0.10 0.16
B13 RRH4X30-4R	A	From Leg	4.00 0.00	0.00	100.00	No Ice 1/2"	2.16 2.35	1.62 1.79	0.06 0.08



Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K
			0.00			Ice 2.55	1.97	0.10
						1" Ice 2.97	2.36	0.15
						2" Ice		
B13 RRH4X30-4R	B	From Leg	4.00	0.00	100.00	No Ice 2.16	1.62	0.06
			0.00			1/2" 2.35	1.79	0.08
			0.00			Ice 2.55	1.97	0.10
						1" Ice 2.97	2.36	0.15
						2" Ice		
B13 RRH4X30-4R	C	From Leg	4.00	0.00	100.00	No Ice 2.16	1.62	0.06
			0.00			1/2" 2.35	1.79	0.08
			0.00			Ice 2.55	1.97	0.10
						1" Ice 2.97	2.36	0.15
						2" Ice		
B66A RRH4X45	A	From Leg	4.00	0.00	100.00	No Ice 2.58	1.63	0.07
			0.00			1/2" 2.79	1.81	0.09
			0.00			Ice 3.01	2.00	0.11
						1" Ice 3.48	2.40	0.17
						2" Ice		
B66A RRH4X45	B	From Leg	4.00	0.00	100.00	No Ice 2.58	1.63	0.07
			0.00			1/2" 2.79	1.81	0.09
			0.00			Ice 3.01	2.00	0.11
						1" Ice 3.48	2.40	0.17
						2" Ice		
B66A RRH4X45	C	From Leg	4.00	0.00	100.00	No Ice 2.58	1.63	0.07
			0.00			1/2" 2.79	1.81	0.09
			0.00			Ice 3.01	2.00	0.11
						1" Ice 3.48	2.40	0.17
						2" Ice		
FDJ85020Q4-S1	A	From Leg	4.00	0.00	100.00	No Ice 0.96	0.36	0.02
			0.00			1/2" 1.09	0.43	0.03
			1.00			Ice 1.24	0.52	0.04
						1" Ice 1.54	0.71	0.08
						2" Ice		
FDJ85020Q4-S1	B	From Leg	4.00	0.00	100.00	No Ice 0.96	0.36	0.02
			0.00			1/2" 1.09	0.43	0.03
			1.00			Ice 1.24	0.52	0.04
						1" Ice 1.54	0.71	0.08
						2" Ice		
FDJ85020Q4-S1	C	From Leg	4.00	0.00	100.00	No Ice 0.96	0.36	0.02
			0.00			1/2" 1.09	0.43	0.03
			1.00			Ice 1.24	0.52	0.04
						1" Ice 1.54	0.71	0.08
						2" Ice		
(2) RXXDC-3315-PF-48	A	From Leg	4.00	0.00	100.00	No Ice 3.01	1.96	0.02
			0.00			1/2" 3.23	2.15	0.05
			0.00			Ice 3.46	2.35	0.08
						1" Ice 3.93	2.76	0.15
						2" Ice		
Platform Mount [LP 713-1]	C	None		0.00	100.00	No Ice 32.89	32.89	1.51
						1/2" 35.76	35.76	2.23
						Ice 38.76	38.76	3.03
						1" Ice 45.26	45.26	4.86
						2" Ice		
(4) 6' x 2" Mount Pipe	A	From Leg	4.00	0.00	100.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03
			0.00			Ice 2.29	2.29	0.05
						1" Ice 3.06	3.06	0.09
						2" Ice		
(4) 6' x 2" Mount Pipe	B	From Leg	4.00	0.00	100.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03
			0.00			Ice 2.29	2.29	0.05
						1" Ice 3.06	3.06	0.09
						2" Ice		
(4) 6' x 2" Mount Pipe	C	From Leg	4.00	0.00	100.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03

Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight
			Horz	Lateral	Vert					
			ft	ft	ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K
			0.00				Ice	2.29	2.29	0.05
							1" Ice	3.06	3.06	0.09
							2" Ice			
**										
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00	0.00	87.00		No Ice	4.09	2.86	0.08
			0.00				1/2"	4.48	3.23	0.13
			2.00				Ice	4.88	3.61	0.19
							1" Ice	5.71	4.40	0.33
							2" Ice			
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00	0.00	87.00		No Ice	4.09	2.86	0.08
			0.00				1/2"	4.48	3.23	0.13
			2.00				Ice	4.88	3.61	0.19
							1" Ice	5.71	4.40	0.33
							2" Ice			
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00	0.00	87.00		No Ice	4.09	2.86	0.08
			0.00				1/2"	4.48	3.23	0.13
			2.00				Ice	4.88	3.61	0.19
							1" Ice	5.71	4.40	0.33
							2" Ice			
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.00	0.00	87.00		No Ice	7.55	4.23	0.11
			0.00				1/2"	8.04	4.67	0.20
			2.00				Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
							2" Ice			
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.00	0.00	87.00		No Ice	7.55	4.23	0.11
			0.00				1/2"	8.04	4.67	0.20
			2.00				Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
							2" Ice			
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.00	0.00	87.00		No Ice	7.55	4.23	0.11
			0.00				1/2"	8.04	4.67	0.20
			2.00				Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
							2" Ice			
(2) RRH2X50-800	A	From Leg	4.00	0.00	87.00		No Ice	1.70	1.28	0.05
			0.00				1/2"	1.86	1.43	0.07
			2.00				Ice	2.03	1.58	0.09
							1" Ice	2.40	1.91	0.14
							2" Ice			
(2) RRH2X50-800	B	From Leg	4.00	0.00	87.00		No Ice	1.70	1.28	0.05
			0.00				1/2"	1.86	1.43	0.07
			2.00				Ice	2.03	1.58	0.09
							1" Ice	2.40	1.91	0.14
							2" Ice			
(2) RRH2X50-800	C	From Leg	4.00	0.00	87.00		No Ice	1.70	1.28	0.05
			0.00				1/2"	1.86	1.43	0.07
			2.00				Ice	2.03	1.58	0.09
							1" Ice	2.40	1.91	0.14
							2" Ice			
FZHN	A	From Leg	4.00	0.00	87.00		No Ice	2.02	0.61	0.04
			0.00				1/2"	2.20	0.71	0.06
			2.00				Ice	2.38	0.83	0.07
							1" Ice	2.77	1.09	0.12
							2" Ice			
FZHN	B	From Leg	4.00	0.00	87.00		No Ice	2.02	0.61	0.04
			0.00				1/2"	2.20	0.71	0.06
			2.00				Ice	2.38	0.83	0.07
							1" Ice	2.77	1.09	0.12
							2" Ice			
FZHN	C	From Leg	4.00	0.00	87.00		No Ice	2.02	0.61	0.04
			0.00				1/2"	2.20	0.71	0.06
			2.00				Ice	2.38	0.83	0.07
							1" Ice	2.77	1.09	0.12
							2" Ice			
PCS 1900MHZ 4X45W-	A	From Leg	4.00	0.00	87.00		No Ice	2.32	2.24	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K	
65MHZ			0.00 2.00			1/2" Ice 1" Ice 2" Ice	2.53 2.74 3.09	2.44 2.65 3.09	0.08 0.11 0.17
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.00 0.00 2.00	0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.00 0.00 2.00	0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
Platform Mount [LP 713-1]	C	None		0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	32.89 35.76 38.76 45.26	32.89 35.76 38.76 45.26	1.51 2.23 3.03 4.86
(2) 6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
**									
AIR21 B4A B2P_T-MOBILE	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.11 6.48 6.86 7.64	4.31 4.67 5.02 5.76	0.11 0.16 0.20 0.31
AIR21 B4A B2P_T-MOBILE	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.11 6.48 6.86 7.64	4.31 4.67 5.02 5.76	0.11 0.16 0.20 0.31
AIR21 B4A B2P_T-MOBILE	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.11 6.48 6.86 7.64	4.31 4.67 5.02 5.76	0.11 0.16 0.20 0.31
AIR 32 B2a/B66Aa	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35
AIR 32 B2a/B66Aa	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35
AIR 32 B2a/B66Aa	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K
APXVAARR24_43-U-NA20_T-MOBILE	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	14.67	5.32	0.15
						1/2" Ice	15.43	5.99	0.27
						Ice	16.21	6.68	0.39
						1" Ice	17.81	8.08	0.66
						2" Ice			
APXVAARR24_43-U-NA20_T-MOBILE	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	14.67	5.32	0.15
						1/2" Ice	15.43	5.99	0.27
						Ice	16.21	6.68	0.39
						1" Ice	17.81	8.08	0.66
						2" Ice			
APXVAARR24_43-U-NA20_T-MOBILE	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	14.67	5.32	0.15
						1/2" Ice	15.43	5.99	0.27
						Ice	16.21	6.68	0.39
						1" Ice	17.81	8.08	0.66
						2" Ice			
AIR6449 B41	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	5.68	2.49	0.10
						1/2" Ice	5.98	2.72	0.14
						Ice	6.29	2.95	0.19
						1" Ice	6.93	3.44	0.29
						2" Ice			
AIR6449 B41	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	5.68	2.49	0.10
						1/2" Ice	5.98	2.72	0.14
						Ice	6.29	2.95	0.19
						1" Ice	6.93	3.44	0.29
						2" Ice			
AIR6449 B41	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	5.68	2.49	0.10
						1/2" Ice	5.98	2.72	0.14
						Ice	6.29	2.95	0.19
						1" Ice	6.93	3.44	0.29
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.97	1.59	0.07
						1/2" Ice	2.15	1.75	0.09
						Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.97	1.59	0.07
						1/2" Ice	2.15	1.75	0.09
						Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.97	1.59	0.07
						1/2" Ice	2.15	1.75	0.09
						Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RRUS 4415 B25	A	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.64	0.68	0.04
						1/2" Ice	1.80	0.79	0.06
						Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11
						2" Ice			
RRUS 4415 B25	B	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.64	0.68	0.04
						1/2" Ice	1.80	0.79	0.06
						Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11
						2" Ice			
RRUS 4415 B25	C	From Leg	4.00 0.00 2.00	0.00	71.00	No Ice	1.64	0.68	0.04
						1/2" Ice	1.80	0.79	0.06
						Ice	1.97	0.91	0.07
						1" Ice	2.33	1.18	0.11
						2" Ice			
Platform Mount [LP 1301-1]	C	None		0.00	71.00	No Ice	51.70	51.70	2.26
						1/2" Ice	62.70	62.70	2.94
						Ice	73.70	73.70	3.61
						1" Ice	95.70	95.70	4.95
						2" Ice			

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight	
			Horz Lateral	Vert						ft
8' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.00	71.00	No Ice	1.90	1.90	0.03
			0.00	0.00			1/2" Ice	2.73	2.73	0.04
			0.00	0.00			Ice	3.40	3.40	0.06
							1" Ice	4.40	4.40	0.12
						2" Ice				
**										
PD1142-1	A	From Leg	6.00	0.00	0.00	50.00	No Ice	1.32	1.32	0.01
			0.00	0.00			1/2" Ice	3.21	3.21	0.02
			7.00	0.00			Ice	5.12	5.12	0.05
							1" Ice	8.99	8.99	0.14
						2" Ice				
DB492A	A	From Leg	6.00	0.00	0.00	50.00	No Ice	1.10	1.10	0.01
			0.00	0.00			1/2" Ice	1.98	1.98	0.01
			0.00	0.00			Ice	2.86	2.86	0.01
							1" Ice	4.62	4.62	0.01
						2" Ice				
ASP-655	A	From Leg	6.00	0.00	0.00	50.00	No Ice	0.56	0.56	0.00
			0.00	0.00			1/2" Ice	1.02	1.02	0.01
			4.00	0.00			Ice	1.30	1.30	0.01
							1" Ice	1.88	1.88	0.04
						2" Ice				
PD1121-6	B	From Leg	6.00	0.00	0.00	50.00	No Ice	0.23	0.23	0.00
			0.00	0.00			1/2" Ice	0.41	0.41	0.00
			3.00	0.00			Ice	0.60	0.60	0.00
							1" Ice	0.97	0.97	0.01
						2" Ice				
Side Arm Mount [SO 702-1]	A	From Leg	3.00	0.00	0.00	50.00	No Ice	1.00	1.43	0.03
			0.00	0.00			1/2" Ice	1.00	2.05	0.04
			0.00	0.00			Ice	1.00	2.67	0.05
							1" Ice	1.00	3.91	0.07
						2" Ice				
Side Arm Mount [SO 702-1]	B	From Leg	3.00	0.00	0.00	50.00	No Ice	1.00	1.43	0.03
			0.00	0.00			1/2" Ice	1.00	2.05	0.04
			0.00	0.00			Ice	1.00	2.67	0.05
							1" Ice	1.00	3.91	0.07
						2" Ice				
**										
EPSILON GPS ANTENNA 35 DB	A	From Leg	4.00	0.00	0.00	40.00	No Ice	0.11	0.11	0.00
			0.00	0.00			1/2" Ice	0.16	0.16	0.00
			1.00	0.00			Ice	0.21	0.21	0.00
							1" Ice	0.34	0.34	0.01
						2" Ice				
Side Arm Mount [SO 701-1]	A	From Leg	2.00	0.00	0.00	40.00	No Ice	0.85	1.67	0.07
			0.00	0.00			1/2" Ice	1.14	2.34	0.08
			0.00	0.00			Ice	1.43	3.01	0.09
							1" Ice	2.01	4.35	0.12
						2" Ice				
****										

## Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight		
				Horz Lateral	Vert							ft	°
GLF6-450	B	Grid	From Leg	1.00	0.00	0.00	°	107.00	ft	ft	No Ice	32.17	0.20
				0.00	0.00						1/2" Ice	33.01	0.37
				0.00	0.00						1" Ice	33.86	0.54

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight						
				Horz Lateral	Vert												
										ft	°	°	ft	ft	ft <sup>2</sup>	K	
**															2" Ice	35.54	0.88
SHP2-13	A	Paraboloid w/Shroud (HP)	From Leg	4.00	0.00	0.00	4.00	71.00	2.00	No Ice	3.14	0.10		1/2" Ice	3.41	0.13	
										1" Ice	3.68	0.17		2" Ice	4.21	0.23	
****																	

## Load Combinations

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

### Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	120 - 100	Pole	Max Tension	30	0.00	0.00	0.00
			Max. Compression	26	-13.77	-3.01	-1.75
			Max. Mx	8	-5.40	-113.33	-1.18
			Max. My	14	-5.44	-1.78	-110.18
			Max. Vy	8	7.83	-113.33	-1.18
			Max. Vx	14	7.55	-1.78	-110.18
L2	100 - 47.0833	Pole	Max. Torque	2			-1.96
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.59	-3.04	0.25
			Max. Mx	8	-23.82	-1063.21	-4.56
			Max. My	14	-23.84	-8.25	-1051.22
			Max. Vy	8	25.26	-1063.21	-4.56
L3	47.0833 - 0	Pole	Max. Vx	14	25.13	-8.25	-1051.22
			Max. Torque	2			-1.96
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.72	-3.35	1.05
			Max. Mx	8	-38.45	-2483.74	-7.93
			Max. My	14	-38.45	-14.83	-2463.44
			Max. Vy	20	-29.11	2481.62	5.82
			Max. Vx	14	28.96	-14.83	-2463.44
			Max. Torque	24			-2.19

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	37	67.72	5.33	3.07
	Max. H <sub>x</sub>	21	28.87	29.07	0.05
	Max. H <sub>z</sub>	2	38.49	0.08	28.87
	Max. M <sub>x</sub>	2	2459.95	0.08	28.87
	Max. M <sub>z</sub>	8	2483.74	-29.07	-0.07
	Max. Torsion	12	2.12	-14.59	-25.18
	Min. Vert	5	28.87	-14.40	24.84
	Min. H <sub>x</sub>	8	38.49	-29.07	-0.07
	Min. H <sub>z</sub>	14	38.49	-0.12	-28.92
	Min. M <sub>x</sub>	14	-2463.44	-0.12	-28.92
	Min. M <sub>z</sub>	20	-2481.62	29.07	0.05
	Min. Torsion	24	-2.19	14.55	25.17

### Tower Mast Reaction Summary

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overtuning Moment, M <sub>x</sub> kip-ft	Overtuning Moment, M <sub>z</sub> kip-ft	Torque kip-ft
Dead Only	32.07	0.00	0.00	-0.28	-0.84	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	38.49	-0.08	-28.87	-2459.95	8.25	1.86
0.9 Dead+1.0 Wind 0 deg - No Ice	28.87	-0.08	-28.87	-2428.86	8.39	1.83
1.2 Dead+1.0 Wind 30 deg - No Ice	38.49	14.40	-24.84	-2111.62	-1227.28	0.92
0.9 Dead+1.0 Wind 30 deg - No Ice	28.87	14.40	-24.84	-2084.95	-1211.53	0.89
1.2 Dead+1.0 Wind 60 deg - No Ice	38.49	25.06	-14.36	-1221.07	-2138.56	0.23

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overturing Moment, M <sub>x</sub> kip-ft	Overturing Moment, M <sub>z</sub> kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 60 deg - No Ice	28.87	25.06	-14.36	-1205.62	-2111.30	0.21
1.2 Dead+1.0 Wind 90 deg - No Ice	38.49	29.07	0.07	7.93	-2483.74	-0.70
0.9 Dead+1.0 Wind 90 deg - No Ice	28.87	29.07	0.07	7.89	-2452.11	-0.70
1.2 Dead+1.0 Wind 120 deg - No Ice	38.49	25.24	14.64	1251.19	-2159.90	-1.54
0.9 Dead+1.0 Wind 120 deg - No Ice	28.87	25.24	14.64	1235.49	-2132.34	-1.53
1.2 Dead+1.0 Wind 150 deg - No Ice	38.49	14.59	25.18	2148.30	-1249.71	-2.12
0.9 Dead+1.0 Wind 150 deg - No Ice	28.87	14.59	25.18	2121.29	-1233.65	-2.10
1.2 Dead+1.0 Wind 180 deg - No Ice	38.49	0.12	28.92	2463.44	-14.83	-1.84
0.9 Dead+1.0 Wind 180 deg - No Ice	28.87	0.12	28.92	2432.48	-14.35	-1.81
1.2 Dead+1.0 Wind 210 deg - No Ice	38.49	-14.28	24.94	2121.13	1212.12	-0.91
0.9 Dead+1.0 Wind 210 deg - No Ice	28.87	-14.28	24.94	2094.51	1197.13	-0.88
1.2 Dead+1.0 Wind 240 deg - No Ice	38.49	-25.02	14.42	1225.50	2131.90	-0.32
0.9 Dead+1.0 Wind 240 deg - No Ice	28.87	-25.02	14.42	1210.17	2105.28	-0.30
1.2 Dead+1.0 Wind 270 deg - No Ice	38.49	-29.07	-0.05	-5.82	2481.62	0.62
0.9 Dead+1.0 Wind 270 deg - No Ice	28.87	-29.07	-0.05	-5.65	2450.56	0.63
1.2 Dead+1.0 Wind 300 deg - No Ice	38.49	-25.18	-14.57	-1245.17	2150.64	1.61
0.9 Dead+1.0 Wind 300 deg - No Ice	28.87	-25.18	-14.57	-1229.37	2123.75	1.60
1.2 Dead+1.0 Wind 330 deg - No Ice	38.49	-14.55	-25.17	-2149.05	1242.86	2.19
0.9 Dead+1.0 Wind 330 deg - No Ice	28.87	-14.55	-25.17	-2121.86	1227.42	2.17
1.2 Dead+1.0 Ice+1.0 Temp	67.72	0.00	-0.00	-1.05	-3.35	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	67.72	-0.28	-6.02	-550.90	30.73	0.24
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	67.72	2.95	-5.09	-461.60	-270.53	0.28
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	67.72	5.18	-2.94	-267.36	-474.19	0.04
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	67.72	6.01	0.00	-0.25	-550.89	-0.25
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	67.72	5.23	3.02	274.67	-481.44	-0.59
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	67.72	3.01	5.19	471.05	-277.93	-0.79
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	67.72	0.03	5.94	538.38	-7.62	-0.64
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	67.72	-2.95	5.10	460.19	263.19	-0.28
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	67.72	-5.37	2.78	245.00	491.50	0.35
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	67.72	-6.11	-0.17	-22.24	556.24	0.62
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	67.72	-5.33	-3.07	-282.96	485.97	0.60
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	67.72	-3.20	-5.19	-473.43	294.29	0.42
Dead+Wind 0 deg - Service	32.07	-0.02	-5.79	-490.44	0.97	0.38
Dead+Wind 30 deg - Service	32.07	2.89	-4.98	-421.01	-245.24	0.18
Dead+Wind 60 deg - Service	32.07	5.03	-2.88	-243.56	-426.84	0.05
Dead+Wind 90 deg - Service	32.07	5.83	0.01	1.36	-495.65	-0.14
Dead+Wind 120 deg - Service	32.07	5.06	2.94	249.13	-431.12	-0.31



Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overtuning Moment, M <sub>x</sub>	Overtuning Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 150 deg-Service	32.07	2.93	5.05	427.91	-249.72	-0.43
Dead+Wind 180 deg-Service	32.07	0.02	5.80	490.70	-3.63	-0.37
Dead+Wind 210 deg-Service	32.07	-2.87	5.00	422.47	240.87	-0.18
Dead+Wind 240 deg-Service	32.07	-5.02	2.89	244.00	424.17	-0.06
Dead+Wind 270 deg-Service	32.07	-5.83	-0.01	-1.38	493.88	0.13
Dead+Wind 300 deg-Service	32.07	-5.05	-2.92	-248.37	427.92	0.32
Dead+Wind 330 deg-Service	32.07	-2.92	-5.05	-428.50	247.01	0.44

## Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-32.07	0.00	0.00	32.07	0.00	0.000%
2	-0.08	-38.49	-28.87	0.08	38.49	28.87	0.000%
3	-0.08	-28.87	-28.87	0.08	28.87	28.87	0.000%
4	14.40	-38.49	-24.84	-14.40	38.49	24.84	0.000%
5	14.40	-28.87	-24.84	-14.40	28.87	24.84	0.000%
6	25.06	-38.49	-14.36	-25.06	38.49	14.36	0.000%
7	25.06	-28.87	-14.36	-25.06	28.87	14.36	0.000%
8	29.07	-38.49	0.07	-29.07	38.49	-0.07	0.000%
9	29.07	-28.87	0.07	-29.07	28.87	-0.07	0.000%
10	25.24	-38.49	14.64	-25.24	38.49	-14.64	0.000%
11	25.24	-28.87	14.64	-25.24	28.87	-14.64	0.000%
12	14.59	-38.49	25.18	-14.59	38.49	-25.18	0.000%
13	14.59	-28.87	25.18	-14.59	28.87	-25.18	0.000%
14	0.12	-38.49	28.92	-0.12	38.49	-28.92	0.000%
15	0.12	-28.87	28.92	-0.12	28.87	-28.92	0.000%
16	-14.28	-38.49	24.94	14.28	38.49	-24.94	0.000%
17	-14.28	-28.87	24.94	14.28	28.87	-24.94	0.000%
18	-25.02	-38.49	14.42	25.02	38.49	-14.42	0.000%
19	-25.02	-28.87	14.42	25.02	28.87	-14.42	0.000%
20	-29.07	-38.49	-0.05	29.07	38.49	0.05	0.000%
21	-29.07	-28.87	-0.05	29.07	28.87	0.05	0.000%
22	-25.18	-38.49	-14.57	25.18	38.49	14.57	0.000%
23	-25.18	-28.87	-14.57	25.18	28.87	14.57	0.000%
24	-14.55	-38.49	-25.17	14.55	38.49	25.17	0.000%
25	-14.55	-28.87	-25.17	14.55	28.87	25.17	0.000%
26	0.00	-67.72	0.00	-0.00	67.72	0.00	0.000%
27	-0.28	-67.72	-6.02	0.28	67.72	6.02	0.000%
28	2.95	-67.72	-5.09	-2.95	67.72	5.09	0.000%
29	5.17	-67.72	-2.94	-5.17	67.72	2.94	0.000%
30	6.01	-67.72	0.00	-6.01	67.72	-0.00	0.000%
31	5.23	-67.72	3.02	-5.23	67.72	-3.02	0.000%
32	3.01	-67.72	5.19	-3.01	67.72	-5.19	0.000%
33	0.03	-67.72	5.94	-0.03	67.72	-5.94	0.000%
34	-2.95	-67.72	5.10	2.95	67.72	-5.10	0.000%
35	-5.37	-67.72	2.78	5.37	67.72	-2.78	0.000%
36	-6.11	-67.72	-0.17	6.11	67.72	0.17	0.000%
37	-5.33	-67.72	-3.07	5.33	67.72	3.07	0.000%
38	-3.20	-67.72	-5.19	3.20	67.72	5.19	0.000%
39	-0.02	-32.07	-5.79	0.02	32.07	5.79	0.000%
40	2.89	-32.07	-4.98	-2.89	32.07	4.98	0.000%
41	5.03	-32.07	-2.88	-5.03	32.07	2.88	0.000%
42	5.83	-32.07	0.01	-5.83	32.07	-0.01	0.000%
43	5.06	-32.07	2.94	-5.06	32.07	-2.94	0.000%
44	2.93	-32.07	5.05	-2.93	32.07	-5.05	0.000%
45	0.02	-32.07	5.80	-0.02	32.07	-5.80	0.000%
46	-2.87	-32.07	5.00	2.87	32.07	-5.00	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
47	-5.02	-32.07	2.89	5.02	32.07	-2.89	0.000%
48	-5.83	-32.07	-0.01	5.83	32.07	0.01	0.000%
49	-5.05	-32.07	-2.92	5.05	32.07	2.92	0.000%
50	-2.92	-32.07	-5.05	2.92	32.07	5.05	0.000%

### Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00029670
3	Yes	5	0.00000001	0.00013431
4	Yes	6	0.00000001	0.00018378
5	Yes	6	0.00000001	0.00005686
6	Yes	6	0.00000001	0.00016906
7	Yes	6	0.00000001	0.00005147
8	Yes	5	0.00000001	0.00012283
9	Yes	5	0.00000001	0.00005490
10	Yes	6	0.00000001	0.00017861
11	Yes	6	0.00000001	0.00005401
12	Yes	6	0.00000001	0.00019089
13	Yes	6	0.00000001	0.00005855
14	Yes	5	0.00000001	0.00037889
15	Yes	5	0.00000001	0.00017067
16	Yes	6	0.00000001	0.00016406
17	Yes	6	0.00000001	0.00005013
18	Yes	6	0.00000001	0.00018415
19	Yes	6	0.00000001	0.00005686
20	Yes	5	0.00000001	0.00008459
21	Yes	4	0.00000001	0.00091442
22	Yes	6	0.00000001	0.00018368
23	Yes	6	0.00000001	0.00005620
24	Yes	6	0.00000001	0.00016943
25	Yes	6	0.00000001	0.00005118
26	Yes	4	0.00000001	0.00004441
27	Yes	5	0.00000001	0.00041156
28	Yes	5	0.00000001	0.00070120
29	Yes	5	0.00000001	0.00065045
30	Yes	5	0.00000001	0.00041610
31	Yes	5	0.00000001	0.00069843
32	Yes	5	0.00000001	0.00074798
33	Yes	5	0.00000001	0.00044254
34	Yes	5	0.00000001	0.00060357
35	Yes	5	0.00000001	0.00064158
36	Yes	5	0.00000001	0.00041630
37	Yes	5	0.00000001	0.00072046
38	Yes	5	0.00000001	0.00069915
39	Yes	4	0.00000001	0.00026240
40	Yes	4	0.00000001	0.00066601
41	Yes	4	0.00000001	0.00049673
42	Yes	4	0.00000001	0.00008966
43	Yes	4	0.00000001	0.00055836
44	Yes	4	0.00000001	0.00071518
45	Yes	4	0.00000001	0.00027331
46	Yes	4	0.00000001	0.00046556
47	Yes	4	0.00000001	0.00064882
48	Yes	4	0.00000001	0.00009017
49	Yes	4	0.00000001	0.00061225
50	Yes	4	0.00000001	0.00049437

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 100	18.79	43	1.37	0.01
L2	100 - 47.0833	13.18	43	1.27	0.00
L3	52 - 0	3.38	43	0.61	0.00

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
119.00	DB809MT3-XT	43	18.51	1.37	0.01	23065
116.00	Platform Mount [LP 602-1]	43	17.64	1.36	0.01	23065
107.00	GLF6-450	43	15.09	1.32	0.01	8871
100.00	(2) LPA-80080/6CF w/ Mount Pipe	43	13.18	1.27	0.00	5934
87.00	APXVTM14-ALU-I20w/ Mount Pipe	43	9.90	1.13	0.00	4775
75.00	SHP2-13	43	7.24	0.96	0.00	4121
71.00	AIR21 B4A B2P_T-MOBILE	43	6.45	0.90	0.00	3941
50.00	PD1142-1	43	3.13	0.59	0.00	3413
40.00	EPSILON GPS ANTENNA 35 DB	43	2.08	0.45	0.00	4243

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 100	93.93	10	6.86	0.04
L2	100 - 47.0833	65.98	10	6.34	0.02
L3	52 - 0	16.94	10	3.08	0.01

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
119.00	DB809MT3-XT	10	92.50	6.84	0.04	4871
116.00	Platform Mount [LP 602-1]	10	88.21	6.78	0.03	4871
107.00	GLF6-450	10	75.51	6.58	0.03	1871
100.00	(2) LPA-80080/6CF w/ Mount Pipe	10	65.98	6.34	0.02	1249
87.00	APXVTM14-ALU-I20w/ Mount Pipe	10	49.60	5.67	0.02	987
75.00	SHP2-13	10	36.32	4.84	0.01	840
71.00	AIR21 B4A B2P_T-MOBILE	10	32.34	4.53	0.01	800
50.00	PD1142-1	10	15.69	2.94	0.00	682
40.00	EPSILON GPS ANTENNA 35 DB	10	10.42	2.26	0.00	847

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
L1	120 - 100 (1)	TP20.263x15.403x0.1875	20.00	0.00	0.0	12.120	-5.38	709.05	0.008
L2	100 - 47.0833 (2)	TP33.13x20.263x0.2813	52.92	0.00	0.0	28.666	-23.81	1676.96	0.014
L3	47.0833 - 0 (3)	TP44x31.372x0.375	52.00	0.00	0.0	52.677	-38.45	3081.62	0.012

### Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	φM <sub>rx</sub> kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M <sub>uy</sub> kip-ft	φM <sub>ry</sub> kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
L1	120 - 100 (1)	TP20.263x15.403x0.1875	114.00	332.31	0.343	0.00	332.31	0.000
L2	100 - 47.0833 (2)	TP33.13x20.263x0.2813	1069.50	1213.13	0.882	0.00	1213.13	0.000
L3	47.0833 - 0 (3)	TP44x31.372x0.375	2496.13	3026.69	0.825	0.00	3026.69	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V <sub>u</sub> K	φV <sub>n</sub> K	Ratio $\frac{V_u}{\phi V_n}$	Actual T <sub>u</sub> kip-ft	φT <sub>n</sub> kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	120 - 100 (1)	TP20.263x15.403x0.1875	7.92	212.72	0.037	0.03	375.64	0.000
L2	100 - 47.0833 (2)	TP33.13x20.263x0.2813	25.40	503.09	0.050	0.53	1400.75	0.000
L3	47.0833 - 0 (3)	TP44x31.372x0.375	29.23	924.49	0.032	1.54	3547.60	0.000

### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	Ratio $\frac{M_{uy}}{\phi M_{ry}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	120 - 100 (1)	0.008	0.343	0.000	0.037	0.000	0.352	1.050	4.8.2
L2	100 - 47.0833 (2)	0.014	0.882	0.000	0.050	0.000	0.898	1.050	4.8.2
L3	47.0833 - 0 (3)	0.012	0.825	0.000	0.032	0.000	0.838	1.050	4.8.2

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	φP <sub>allow</sub> K	% Capacity	Pass Fail
L1	120 - 100	Pole	TP20.263x15.403x0.1875	1	-5.38	744.51	33.5	Pass
L2	100 - 47.0833	Pole	TP33.13x20.263x0.2813	2	-23.81	1760.81	85.6	Pass
L3	47.0833 - 0	Pole	TP44x31.372x0.375	3	-38.45	3235.70	79.8	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail	
							Summary		
							Pole (L2)	85.6	Pass
							<b>RATING =</b>	<b>85.6</b>	<b>Pass</b>

**APPENDIX B**  
**BASE LEVEL DRAWING**



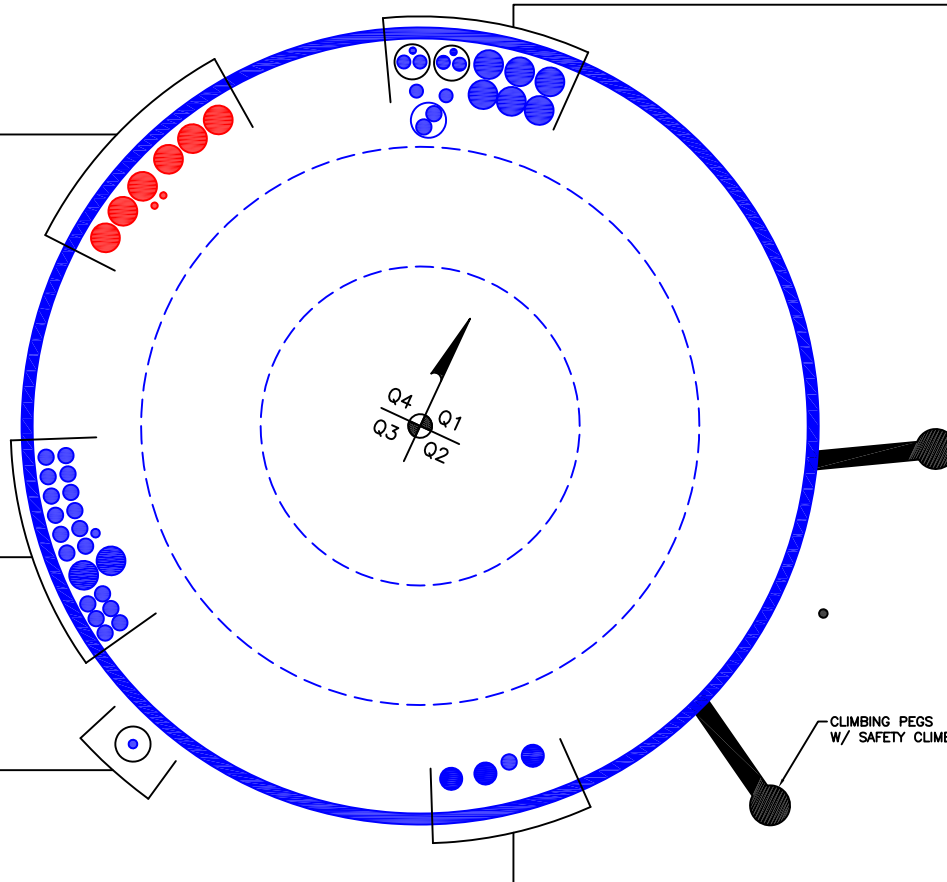
(PROPOSED EQUIPMENT CONFIGURATION)  
(2) 3/8" TO 71 FT LEVEL  
(6) 1-5/8" TO 71 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)  
(12) 7/8" TO 100 FT LEVEL  
(2) 1-5/8" TO 100 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)  
(1) 1/2" TO 50 FT LEVEL  
(3) 7/8" TO 50 FT LEVEL  
(1) 7/8" TO 107 FT LEVEL  
(2) 7/8" TO 119 FT LEVEL

(OTHER CONSIDERED EQUIPMENT—IN CONDUIT)  
(1) 1/2" TO 40 FT LEVEL

(OTHER CONSIDERED EQUIPMENT—IN CONDUIT)  
(2) 3/8" TO 116 FT LEVEL  
(4) 3/4" TO 116 FT LEVEL  
(2) 7/8" TO 116 FT LEVEL  
(OTHER CONSIDERED EQUIPMENT)  
(2) 3/4" TO 116 FT LEVEL  
(6) 1-5/8" TO 116 FT LEVEL



CLIMBING PEGS  
W/ SAFETY CLIMB

(OTHER CONSIDERED EQUIPMENT)  
(1) 7/8" TO 87 FT LEVEL  
(3) 1-1/4" TO 87 FT LEVEL

**APPENDIX C**  
**ADDITIONAL CALCULATIONS**



# Monopole Flange Plate Connection

Elevation = 100 ft.

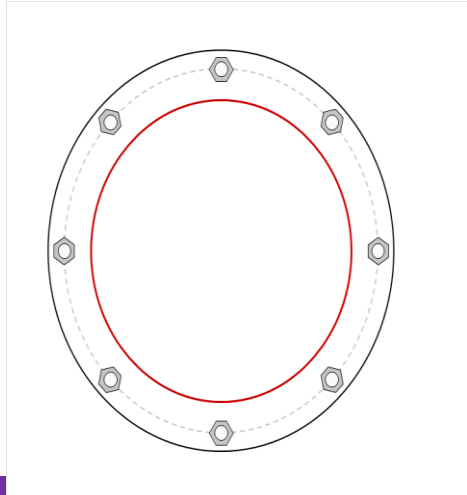


BU #	806364
Site Name	HRT 106(B) 943202
Order #	524464 - Rev. 0
TIA-222 Revision	H

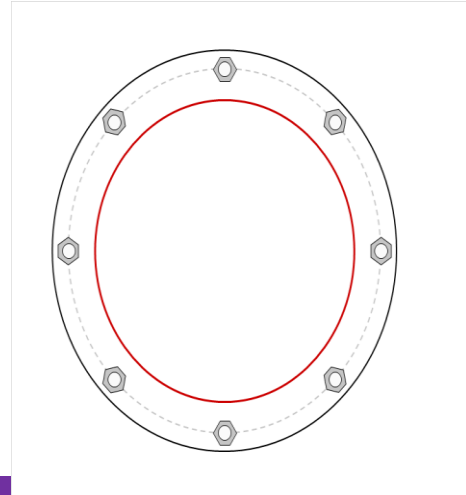
Applied Loads	
Moment (kip-ft)	116.28
Axial Force (kips)	9.28
Shear Force (kips)	12.99

\*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - External



### Connection Properties

#### Bolt Data

(8) 1"  $\varnothing$  bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 24.41" BC

#### Top Plate Data

26.91" OD x 1.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

#### Top Stiffener Data

N/A

#### Top Pole Data

20.263" x 0.1875" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

#### Bottom Plate Data

26.91" OD x 1.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

#### Bottom Stiffener Data

N/A

#### Bottom Pole Data

20.263" x 0.28125" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

### Analysis Results

#### Bolt Capacity

Max Load (kips)	27.40
Allowable (kips)	54.48
Stress Rating:	<b>47.9%</b> <span style="color: green;">Pass</span>

#### Top Plate Capacity

Max Stress (ksi):	8.24	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	<b>14.5%</b>	<span style="color: green;">Pass</span>
Tension Side Stress Rating:	<b>7.3%</b>	<span style="color: green;">Pass</span>

#### Bottom Plate Capacity

Max Stress (ksi):	8.24	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	<b>14.5%</b>	<span style="color: green;">Pass</span>
Tension Side Stress Rating:	<b>7.3%</b>	<span style="color: green;">Pass</span>

# Monopole Base Plate Connection

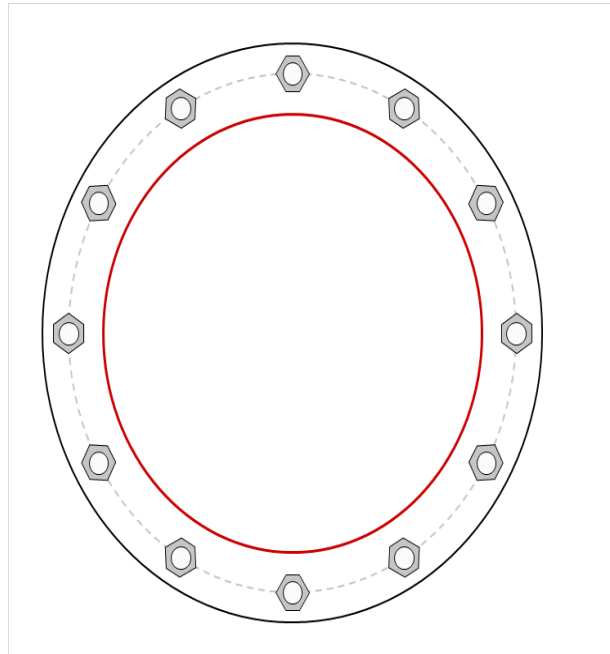


Site Info	
BU #	806364
Site Name	HRT 106(B) 943202
Order #	524464 - Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
$l_{ar}$ (in)	0.5

Applied Loads	
Moment (kip-ft)	2496.13
Axial Force (kips)	38.45
Shear Force (kips)	29.23

\*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
(12) 2-1/4" $\phi$ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 52.05" BC
Base Plate Data
58.05" OD x 2.75" Plate (S-128; $F_y=60$ ksi, $F_u=80$ ksi)
Stiffener Data
N/A
Pole Data
44" x 0.375" 12-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary	<i>(units of kips, kip-in)</i>	
$P_{u,c} = 194.88$	$\phi P_{n,c} = 268.39$	<b>Stress Rating</b>
$V_u = 2.44$	$\phi V_n = 120.77$	<b>69.2%</b>
$M_u = n/a$	$\phi M_n = n/a$	<b>Pass</b>
Base Plate Summary		
Max Stress (ksi):	22.49	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	<b>39.7%</b>	<b>Pass</b>

# Pier and Pad Foundation



BU #: 806364  
 Site Name: HRT 106(B) 94320  
 App. Number: 524464 - Rev. 0

TIA-222 Revision: H  
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, $P_{comp}$ :	38	kips
Base Shear, $Vu_{comp}$ :	29	kips
Moment, $M_u$ :	2496	ft-kips
Tower Height, $H$ :	120	ft
BP Dist. Above Fdn, $bp_{dist}$ :	2.25	in
Bolt Circle / Bearing Plate Width, $BC$ :	52.02	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	305.40	29.00	9.0%	Pass
<i>Bearing Pressure (ksf)</i>	6.00	1.70	27.0%	Pass
<i>Overtuning (kip*ft)</i>	7200.07	2675.44	37.2%	Pass
<i>Pad Flexure (kip*ft)</i>	11458.68	1108.69	9.2%	Pass
<i>Pad Shear - 1-way (kips)</i>	1963.65	111.32	5.4%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.001	0.6%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	15324.08	0.00	0.0%	Pass

\*Rating per TIA-222-H Section 15.5

Soil Rating*:	37.2%
Structural Rating*:	9.2%

Pad Properties		
Depth, $D$ :	6	ft
Pad Width, $W$ :	27	ft
Pad Thickness, $T$ :	6	ft
Pad Rebar Size (Bottom), $Sp$ :	11	
Pad Rebar Quantity (Bottom), $mp$ :	26	
Pad Clear Cover, $cc_{pad}$ :	6	in

Material Properties		
Rebar Grade, $Fy$ :	60	ksi
Concrete Compressive Strength, $F'c$ :	4	ksi
Dry Concrete Density, $\delta_c$ :	150	pcf

Soil Properties		
Total Soil Unit Weight, $\gamma$ :	125	pcf
Ultimate Gross Bearing, $Q_{ult}$ :	8.000	ksf
Cohesion, $C_u$ :	0.000	ksf
Friction Angle, $\phi$ :	34	degrees
SPT Blow Count, $N_{blows}$ :	24	
Base Friction, $\mu$ :		
Neglected Depth, $N$ :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, $gw$ :	N/A	ft

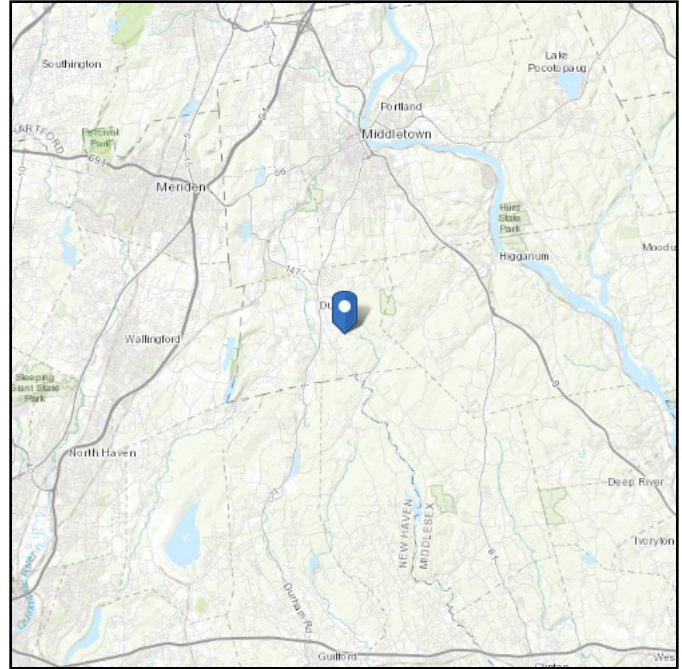
<--Toggle between Gross and Net

# ASCE 7 Hazards Report

**Address:**  
No Address at This  
Location

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

**Elevation:** 511.24 ft (NAVD 88)  
**Latitude:** 41.459353  
**Longitude:** -72.662731

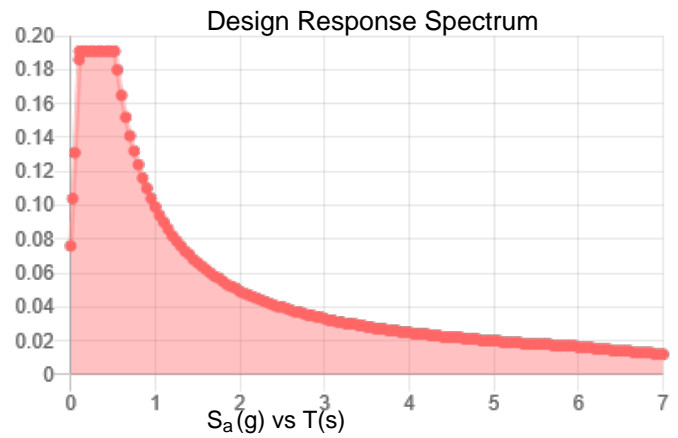
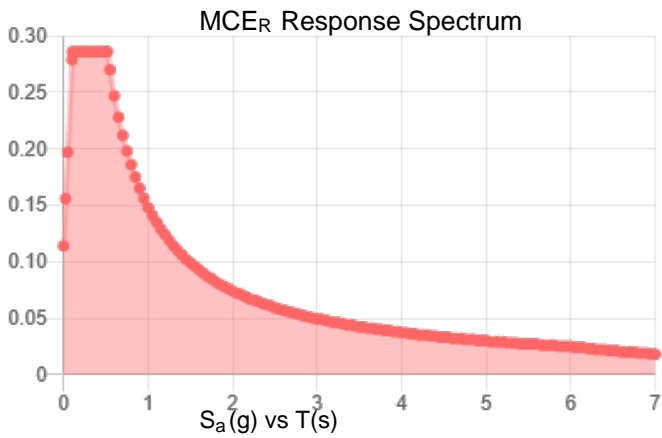


**Site Soil Class:** D - Stiff Soil

**Results:**

$S_s$ :	0.179	$S_{DS}$ :	0.191
$S_1$ :	0.062	$S_{D1}$ :	0.099
$F_a$ :	1.6	$T_L$ :	6
$F_v$ :	2.4	PGA :	0.091
$S_{MS}$ :	0.286	PGA <sub>M</sub> :	0.146
$S_{M1}$ :	0.148	F <sub>PGA</sub> :	1.6
		$I_e$ :	1

**Seismic Design Category** B



**Data Accessed:**

Wed Jun 17 2020

**Date Source:**

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

## Ice

---

### Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

**Date Accessed:** Wed Jun 17 2020

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

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

---

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

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

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

# Exhibit E

## **Mount Analysis**



Date: **June 12, 2020**

Darcy Tarr  
Crown Castle  
3530 Torington Way, Suite 300  
Charlotte, NC 28277  
(704)-405-6619

POD Group  
1033 E Turkeyfoot Lake Rd. Suite 206  
Akron, OH 44312  
(330) 961.7432  
mhoushell@podgrp.com

**Subject:** **Mount Analysis Report**

**Carrier Designation:** **T-Mobile**  
**Carrier Site Number:** **CTHA375A**  
**Carrier Site Name:** **CTHA375A**

**Crown Castle Designation:** **Crown Castle BU Number:** **806364**  
**Crown Castle Site Name:** **HRT 106(B) 943202**  
**Crown Castle JDE Job Number:** **614601**  
**Crown Castle Order Number:** **524464 Rev. 0**

**Engineering Firm Designation:** **POD Report Designation:** **20-65184**

**Site Data:** **143 R Old Blue Hill Road, Durham, Middlesex County, CT 06422**  
**Latitude 41°27'33.67" Longitude -72°39'45.83"**

**Structure Information:** **Tower Height & Type:** **120 ft Monopole**  
**Mount Elevation:** **71 ft**  
**Mount Type:** **12.5 ft Platform w/ Support Rails**

Dear Darcy Tarr,

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

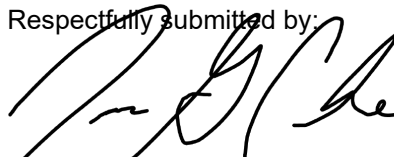
The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

**12.5 ft Platform with Support Rails (Multiple Sector) Sufficient\***  
**\*The mount has sufficient capacity once the loading changes, as described in Section 4.1 Recommendations of this report, are completed.**

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

Mount structural analysis prepared by: Uma Toluganti

Respectfully submitted by:

  
Jason Cheronis, P.E.  
Connecticut PE #: PEN.0032793



6/12/2020



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- 1) **INTRODUCTION**
- 2) **ANALYSIS CRITERIA**
  - Table 1 – Final Equipment Configuration
- 3) **ANALYSIS PROCEDURE**
  - Table 2 – Documents Provided
  - 3.1) Analysis Method
  - 3.2) Assumptions
- 4) **ANALYSIS RESULTS**
  - Table 3 - Mount Component Stresses vs. Capacity
  - 4.1) Recommendations
- 5) **DISCLAIMER OF WARRANTIES**
- 6) **APPENDIX A**
  - Wire Frame and Rendered Models
- 7) **APPENDIX B**
  - Software Input Calculations
- 8) **APPENDIX C**
  - Software Analysis Output
- 9) **APPENDIX D**
  - Additional Calculations

### 1) INTRODUCTION

This mount is an existing 12.5 ft platform with support rails. This mount is installed at the 71 ft elevation on the 120 ft Monopole.

### 2) ANALYSIS CRITERIA

<b>Building Code:</b>	2018 Connecticut Building Code & 2015 IBC
<b>TIA-222 Revision:</b>	TIA-222-H
<b>Risk Category:</b>	II
<b>Ultimate Wind Speed:</b>	130 mph
<b>Exposure Category:</b>	B
<b>Topographic Factor at Base:</b>	1.000
<b>Topographic Factor at Mount:</b>	1.000
<b>Ice Thickness:</b>	1.5 in
<b>Wind Speed with Ice:</b>	50 mph
<b>Seismic S<sub>s</sub>:</b>	0.179
<b>Seismic S<sub>1</sub>:</b>	0.062
<b>Live Loading Wind Speed:</b>	30 mph
<b>Man Live Load at Mid/End-Points:</b>	250 lb
<b>Man Live Load at Mount Pipes:</b>	500 lb

**Table 1 - Final Equipment Configuration**

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
71	75	1	Commscope	SHP2-13	12.5 ft Platform w/ Support Rails	-
	73	3	Ericsson	AIR 32 B2A/B66AA		
		3	Ericsson	AIR21 B4A B2P_T-MOBILE		
		3	Ericsson	AIR6449 B41		
		3	RFS/Celwave	APXVAARR24_43-UNA20_T-MOBILE		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25		

### 3) ANALYSIS PROCEDURE

**Table 2 - Documents Provided**

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App ID: 524464 Rev.0 Dated: 6/09/2020	Crown Castle
RFDS	-	T-Mobile Site ID: CTHA375A Dated: 5/19/2020	Crown Castle



**4) ANALYSIS RESULTS**

**Table 3 - Mount Component Stresses vs. Capacity (12.5 ft Platform w/ Support Rails)**

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
-	Plate	PLATE3	71	72.2	Pass
	Mount Pipe	MP ALPHA3		69.7	Pass
	Corner	ANGLE2		54.7	Pass
	Rail	FACERAIL1		48.8	Pass
	Kicker	KIKCER1		20.2	Pass
	Support	SUP1A		19.8	Pass
	Standoff	SO1		14.0	Pass
1	Flange Plate	-		12.5	Pass
	Flange Plate Bolts	-		1.3	Pass
	Bolts	-		43.4	Pass

<b>Structure Rating (max from all components) =</b>	<b>72.2 %</b>
---	---------------

Notes:

- 1) See additional documentation in "Appendix D – Additional Calculations" for calculations supporting the % capacity

**4.1) Recommendations**

The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the loading modification listed below must be completed.

1. Add an 8 ft. P2 Std. mount pipe, 6.25 ft. from the left end when looking at the mount from the front attached to the face using SitePro1 P/N: SCX43-K and to the Rail using SitePro1 P/N: SCX-1 on the gamma sector.
  - o All critical measurements and manufacturer specifications for the above specified modification part shall be field verified prior to material ordering.
  - o The contractor shall provide shop drawings to POD Group prior to material ordering and/or fabrication of the above specified modification part.
  - o Any substitutes, additions, or alterations shall be approved by POD Group prior to material ordering and/or fabrication.

If any of these guidelines are not met, POD Group shall not be held liable.

## 5) DISCLAIMER OF WARRANTIES

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

The engineering services rendered by POD Group in connection with this Structural Analysis are limited to a computer analysis of the 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.

POD Group 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 structure. POD Group 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.

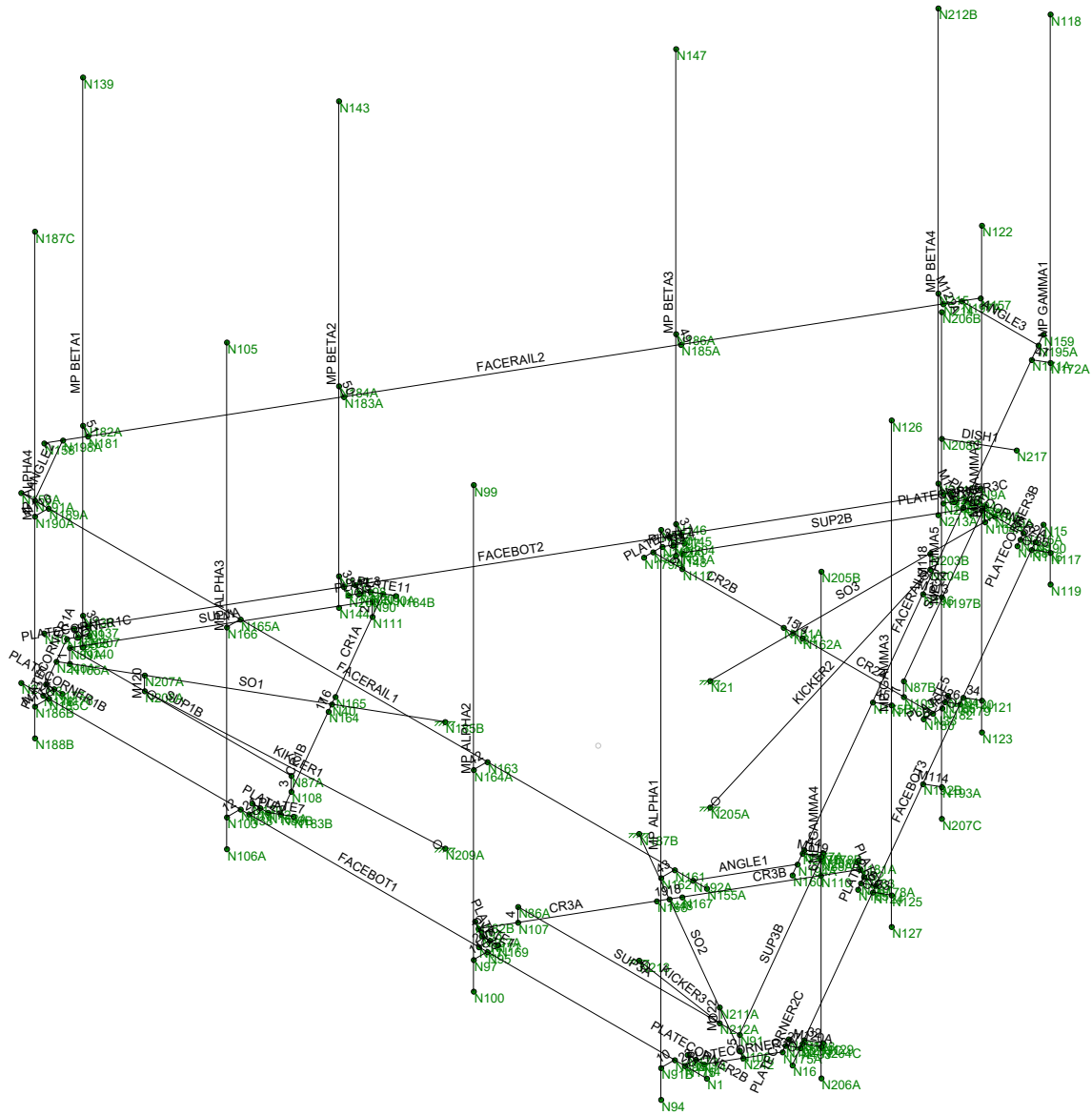
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed structure. 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 POD Group, but are beyond the scope of this report.

POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group 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 POD Group pursuant to this report will be limited to the total fee received for preparation of this report.

## **APPENDIX A**

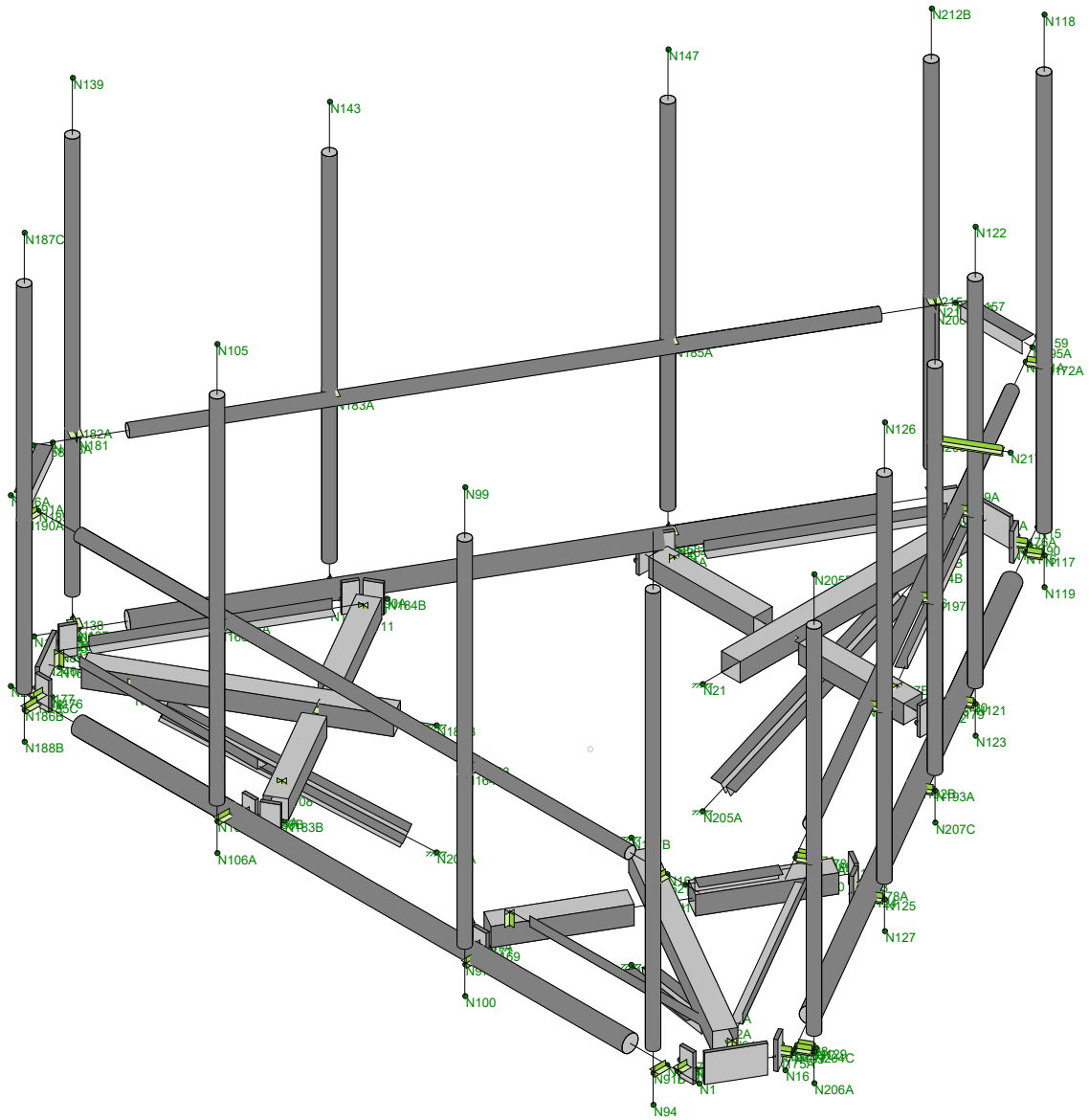
### **Wire Frame and Rendered Models**



POD  
UT  
20-65184

806364

SK - 6  
June 12, 2020 at 2:32 PM  
(PL3) 12.5' SitePro1 Platform with ...

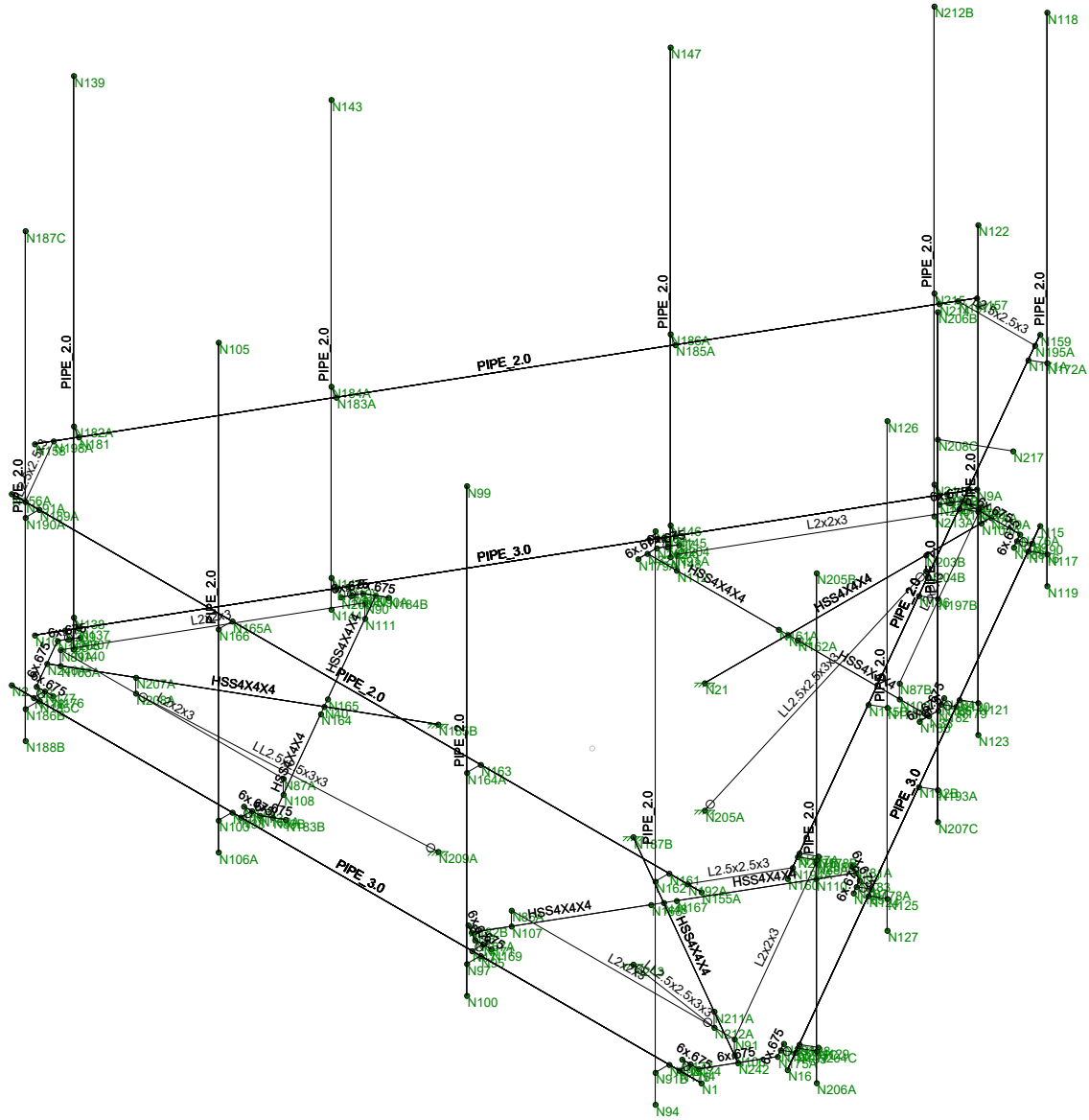


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SK - 7
June 12, 2020 at 2:32 PM
(PL3) 12.5' SitePro1 Platform with ...





POD

UT

20-65184

806364

SK - 8

June 12, 2020 at 2:33 PM

(PL3) 12.5' SitePro1 Platform with ...

**APPENDIX B**  
**Software Input Calculations**



POD Job # 20-65184  
 Site Number 806364  
 Site Name HRT 106(B) 943202

**General Site Information**

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	130	Ij(ice)	1	Sms	0.286
Zs	539	Ss	0.179	Sm1	0.149
ti	1	S1	0.062	Sds	0.191
VI	50	Soil Site Class	D (assumed)	Sd1	0.099
Kzt	1	Fa	1.600	Seismic Design Category	
Exposure	B	Fv	2.400	B	
zg	1200	R	2	Seismic Analysis Not Required	
ib	7	Tower Type	Monopole	2 TIA-222-H 16.7	
Kmin	0.7	Tower Height	120	1 TIA-222-H 16.7	
G <sub>t</sub>	1			0.03 TIA-222-H 2.7.7.1.1	
Ke	0.98			Cs	
K <sub>o</sub>	0.95			0.095466667 TIA-222-H 2.7.7.1.1	
K <sub>z</sub>	0.9				

**Appurtenance Information**

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
AIR 32 B2A/B66AA			73	4.5	47	0	A/B/C	1	3
AIR 21 B4A.B2P			73	4.5	47	0	A/B/C	1	2
AIR6449 B41			73	4.5	25	0	A/B/C	1	1
APXVAARR24_43-U-NA20_T-MOBILE			73	4.5	72	0	A/B/C	1	4
RADIO 4449 B71 B85A			73	4.5	0	0	A/B/C	1	4
RRUS 4415 B25			73	4.5	0	0	A/B/C	1	4

**Mount Information**

Elevation (ft)	71	Grating Thickness (in)	1
K <sub>g</sub>	0.90	Grating Ice Weight (k/ft <sup>2</sup> )	0.014
K <sub>iz</sub>	1.08		
t <sub>iz</sub>	1.08		

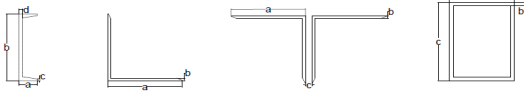
Mount Pipes	Length (ft)	Width (in)	Centerline
	9	2.375	71

**Round Members**

Member	Length (ft)	Width (in)	Frame Member	# of Members
Face On	12.5	3.5	No	1
Face Off	12.5	3.5	Yes	2
Rail On	12.5	2.375	No	1
Rail Off	12.5	2.375	Yes	2

**Flat Members**

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Standoff	5.1888	4	Square HSS	4	0.25	4		No	3
Support	2.38	4	Square HSS	4	0.25	4		No	6
Grating Support	4.0136	2	Angle	2	0.1875			No	6
Corner Plate On	0.475	0.375	Channel	0	6	0	0.375	Yes	1
Corner Plate Off	0.475	0.375	Channel	0	6	0	0.375	No	2
Rail Corner On	0.8	2.5	Angle	2.5	0.1875			Yes	1
Rail Corner Off	0.8	2.5	Angle	2.5	0.1875			No	2
Kicker	4.376	2.5	D. Angle	2.5	0.5	0.1875		Yes	1
Small Plate	0.25	3	Channel			3	0.375	No	18



**Appurtenance Wind Calculations**

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft <sup>2</sup> )	[EPA] <sub>h</sub> (ft <sup>2</sup> )	[EPA] <sub>z</sub> (ft <sup>2</sup> )	Wind Force (Kips)			Gamma
									Alpha	Beta	Gamma	
AIR 32 B2A/B66AA	56.6	12.9	8.7	132.2	0.90	36.41	5.86	4.24	0.213	0.154	0.199	0.154
AIR 21 B4A B2P	55.9	12.1	7.9	91.5	0.90	36.41	5.47	3.86	0.199	0.140	0.185	0.140
AIR6449 B41	33.1	20.6	8.6	104.0	0.90	36.41	5.11	2.24	0.186	0.082	0.160	0.082
APXVAARR24_43-U-NA20_T	95.9	24.0	8.7	153.3	0.90	36.41	14.67	5.32	0.534	0.194	0.449	0.194
RADIO 4449 B71 B85A	17.9	13.2	10.6	46.3	0.90	36.41	1.77	1.43	0.065	0.052	0.061	0.052
RRUS 4415 B25	15.0	13.2	5.4	44.0	0.90	36.41	0.85	0.59	0.031	0.021	0.029	0.021

**Appurtenance Ice Calculations**

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft <sup>2</sup> )	[EPA] <sub>h</sub> (ft <sup>2</sup> )	[EPA] <sub>z</sub> (ft <sup>2</sup> )	Wind Force (Kips)			Gamma
										Alpha	Beta	Gamma	
AIR 32 B2A/B66AA	1.08	56.60	12.90	8.70	0.00	1.08	5.39	4.05	3.05	0.022	0.016	0.020	0.016
AIR 21 B4A B2P	1.08	55.90	12.10	7.87	0.00	1.08	5.39	3.81	2.82	0.020	0.015	0.019	0.015
AIR6449 B41	1.08	33.10	20.60	8.60	0.00	1.08	5.39	3.51	1.70	0.019	0.009	0.016	0.009
APXVAARR24_43-U-NA20_T	1.08	95.90	24.00	8.70	0.00	1.08	5.39	14.71	6.11	0.079	0.033	0.068	0.033
RADIO 4449 B71 B85A	1.08	17.91	13.20	10.63	0.00	1.08	5.39	1.35	1.13	0.007	0.006	0.007	0.006
RRUS 4415 B25	1.08	14.96	13.19	5.39	0.00	1.08	5.39	1.50	1.23	0.008	0.007	0.008	0.007

**Round Members**

Member	q <sub>i</sub> (lb/ft <sup>2</sup> )	Ar	C	Wind Calculations			EPA (ft <sup>2</sup> )	Load (k/ft)	Width (in)	Weight (k/ft)	q <sub>i</sub> (lb/ft <sup>2</sup> )	Arice	Ice Calculations			EPA (ft <sup>2</sup> )	Load (k/ft)
				Rr	Cf	EPA							Rrice	Cf	EPA		
Face On	36.12	3.65	34.98	0.59	1.20	2.33	0.003	5.66	0.01	5.34	5.90	0.66	1.20	4.20	0.001		
Face Off	36.12	7.29	34.98	0.59	1.20	2.33	0.007	5.66	0.01	5.34	11.79	0.66	1.20	4.20	0.002		
Rail On	36.12	2.47	23.74	0.59	1.20	1.58	0.002	4.53	0.00	5.34	4.72	0.66	1.20	3.36	0.001		
Rail Off	36.12	4.95	23.74	0.59	1.20	1.58	0.005	4.53	0.00	5.34	9.45	0.66	1.20	3.36	0.001		

**Flat Members**

Member	q <sub>i</sub> (lb/ft <sup>2</sup> )	Af	Cf	Wind Calculations			Load (k/ft)	Width (in)	Weight (k/ft)	q <sub>i</sub> (lb/ft <sup>2</sup> )	Arice	Ice Calculations			EPA	Load (k/ft)
				EPA	EPA	EPA						Rrice	Cf	EPA		
Standoff	36.12	5.19	1.25	1.95	0.007	6.16	0.01	5.34	7.99	0.66	1.25	1.97	0.001			
Support	36.12	4.76	1.25	0.89	0.007	6.16	0.01	5.34	7.33	0.66	1.25	0.91	0.001			
Grating Support	36.12	4.01	2.00	1.20	0.005	4.16	0.01	5.34	8.35	0.66	2.00	1.65	0.001			
Corner Plate On	36.12	0.01	2.00	0.03	0.002	2.53	0.01	5.34	0.10	0.66	2.00	0.12	0.001			
Corner Plate Off	36.12	0.03	2.00	0.03	0.001	2.53	0.01	5.34	0.20	0.66	2.00	0.12	0.001			
Rail Corner On	36.12	0.17	2.00	0.30	0.014	4.66	0.01	5.34	0.31	0.66	2.00	0.37	0.002			
Rail Corner Off	36.12	0.33	2.00	0.30	0.007	4.66	0.01	5.34	0.62	0.66	2.00	0.37	0.001			
Kicker	36.12	0.91	2.00	1.64	0.014	4.66	0.01	5.34	1.70	0.66	2.00	2.02	0.002			
Small Plate	36.12	1.13	2.00	0.11	0.008	5.16	0.00	5.34	1.93	0.66	2.00	0.13	0.001			

**Appurtenance Seismic Calculations**

Model	Weight	Sds	p	Cs	As	Ev	Eh
AIR 32 B2A/B66AA	132.2	0.191	1.000	0.095	1.000	0.005	0.013
AIR 21 B4A B2P	91.5	0.191	1.000	0.095	1.000	0.003	0.009
AIR6449 B41	104.0	0.191	1.000	0.095	1.000	0.004	0.010
APXVAARR24_43-U-NA20_T	153.3	0.191	1.000	0.095	1.000	0.006	0.015
RADIO 4449 B71 B85A	46.3	0.191	1.000	0.095	1.000	0.002	0.004
RRUS 4415 B25	44.0	0.191	1.000	0.095	1.000	0.002	0.004



POD Job # 20-65184  
 Site Number 806364  
 Site Name HRT 106(B) 943202

**General Site Information**

Code	TIA-222-H Annex C	Risk Category	II	I (seismic)	1
V (Wind Speed)	130	I(ice)	1	Sms	0.286
Zs	539			Sm1	0.149
ti	1	Tower Type	Monopole	Sds	0.191
Vi	50	Tower Height	120	Sd1	0.099
Kat	1	Mount Height	71	Seismic Design Category	
Exposure	B	Alpha Azimuth	0		B
zg	1200	Ss	0.179	Seismic Analysis Not Required	
α	7	S1	0.062	R	2 TIA-222-H 16.7
Kmin	0.7	Soil Site Class	D (assumed)	As	1 TIA-222-H 16.7
G <sub>H</sub>	1	Fa	1.600	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
Ke	0.98	Fv	2.400	Cs	0.095466667 TIA-222-H 2.7.7.1.1
K <sub>o</sub>	0.95				
K <sub>s</sub>	0.9				
K <sub>t</sub>	1.04				
K <sub>iz</sub>	1.08				
tiz	1.08				

**Dish Information**

Model	Centerline	Azimuth	Type	Diameter	Depth	Weight	Acting Azimuth	Wind kz	qz	A	Ice Kiz	Ice tiz	qz	Di	Al	W
SHP2-13	75	0	Radome	24	18.8	24	0	0.910252283	36.68919515	3.141592654	1.08556225	1.08556225	6.207425042	26.1711245	3.735701409	89.97294808

**APPENDIX C**  
**Software Analysis Output**



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

June 12, 2020  
 2:33 PM  
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**Member Primary Data**

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
1	SUP3B	N91	N88A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
2	SUP3A	N86A	N91			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
3	SUP2B	N89	N91A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
4	SUP2A	N89	N87B		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
5	SUP1B	N89A	N87A			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
6	SUP1A	N90	N89A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
7	SO3	N239A	N21			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
8	SO2	N242	N187B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
9	SO1	N240A	N185B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
10	PLATECO...	N194	N210		90	6x.675	Beam	RECT	A36 Gr.36	Typical
11	PLATECO...	N188	N176A		90	6x.675	Beam	RECT	A36 Gr.36	Typical
12	PLATECO...	N4	N175A		90	6x.675	Beam	RECT	A36 Gr.36	Typical
13	PLATECO...	N175A	N191		90	6x.675	Beam	RECT	A36 Gr.36	Typical
14	PLATECO...	N173	N4		90	6x.675	Beam	RECT	A36 Gr.36	Typical
15	PLATECO...	N176A	N194		90	6x.675	Beam	RECT	A36 Gr.36	Typical
16	PLATECO...	N207	N195		90	6x.675	Beam	RECT	A36 Gr.36	Typical
17	PLATECO...	N3	N176		90	6x.675	Beam	RECT	A36 Gr.36	Typical
18	PLATECO...	N195	N3		90	6x.675	Beam	RECT	A36 Gr.36	Typical
19	PLATE12	N179A	N202		90	6x.675	Beam	RECT	A36 Gr.36	Typical
20	PLATE11	N184B	N201		90	6x.675	Beam	RECT	A36 Gr.36	Typical
21	PLATE10	N182B	N167A		90	6x.675	Beam	RECT	A36 Gr.36	Typical
22	PLATE9	N181A	N183		90	6x.675	Beam	RECT	A36 Gr.36	Typical
23	PLATE8	N180	N182		90	6x.675	Beam	RECT	A36 Gr.36	Typical
24	PLATE7	N183B	N168A		90	6x.675	Beam	RECT	A36 Gr.36	Typical
25	PLATE6	N185	N183		90	6x.675	Beam	RECT	A36 Gr.36	Typical
26	PLATE5	N182	N184		90	6x.675	Beam	RECT	A36 Gr.36	Typical
27	PLATE4	N204	N202		90	6x.675	Beam	RECT	A36 Gr.36	Typical
28	PLATE3	N201	N203		90	6x.675	Beam	RECT	A36 Gr.36	Typical
29	PLATE2	N170	N168A		90	6x.675	Beam	RECT	A36 Gr.36	Typical
30	PLATE1	N167A	N169		90	6x.675	Beam	RECT	A36 Gr.36	Typical
31	MP GAMM...	N127	N126			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
32	MP GAMM...	N123	N122			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
33	MP GAMM...	N119	N118			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
34	MP BETA3	N148	N147			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
35	MP BETA2	N144	N143			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
36	MP BETA1	N140	N139			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
37	MP ALPHA3	N106A	N105			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
38	MP ALPHA2	N100	N99			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
39	MP ALPHA1	N94	N93A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
40	FACERAIL3	N159	N160			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
41	FACERAIL2	N158	N157			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
42	FACERAIL1	N156A	N155A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
43	FACEBOT3	N15	N16			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
44	FACEBOT2	N10	N9A			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
45	FACEBOT1	N2	N1			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
46	CR3B	N92	N167			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
47	CR3A	N168	N93			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
48	CR2B	N32	N161A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
49	CR2A	N33	N162A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
50	CR1B	N164	N89B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
51	CR1A	N165	N90A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
52	ANGLE3	N197A	N195A		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
53	ANGLE2	N191A	N198A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
54	ANGLE1	N194A	N192A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
55	52	N189	N190			RIGID	None	None	RIGID	Typical
56	51	N181	N182A			RIGID	None	None	RIGID	Typical



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

June 12, 2020  
 2:33 PM  
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**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
57	50	N183A	N184A			RIGID	None	None	RIGID	Typical
58	49	N185A	N186A			RIGID	None	None	RIGID	Typical
59	47	N171A	N172A			RIGID	None	None	RIGID	Typical
60	46	N173A	N174A			RIGID	None	None	RIGID	Typical
61	45	N175B	N176B			RIGID	None	None	RIGID	Typical
62	44	N177A	N178B			RIGID	None	None	RIGID	Typical
63	43	N161	N162			RIGID	None	None	RIGID	Typical
64	42	N163	N164A			RIGID	None	None	RIGID	Typical
65	41	N165A	N166			RIGID	None	None	RIGID	Typical
66	39	N137	N138			RIGID	None	None	RIGID	Typical
67	38	N141	N142			RIGID	None	None	RIGID	Typical
68	37	N145	N146			RIGID	None	None	RIGID	Typical
69	35	N116	N117			RIGID	None	None	RIGID	Typical
70	34	N120	N121			RIGID	None	None	RIGID	Typical
71	33	N124	N125			RIGID	None	None	RIGID	Typical
72	32	N128	N129			RIGID	None	None	RIGID	Typical
73	31	N211	N212			RIGID	None	None	RIGID	Typical
74	30	N208	N209			RIGID	None	None	RIGID	Typical
75	29	N205	N198			RIGID	None	None	RIGID	Typical
76	28	N206	N197			RIGID	None	None	RIGID	Typical
77	27	N192	N193			RIGID	None	None	RIGID	Typical
78	26	N186	N179			RIGID	None	None	RIGID	Typical
79	25	N187	N178A			RIGID	None	None	RIGID	Typical
80	24	N177	N178			RIGID	None	None	RIGID	Typical
81	23	N174	N175			RIGID	None	None	RIGID	Typical
82	22	N171	N47			RIGID	None	None	RIGID	Typical
83	21	N172	N38			RIGID	None	None	RIGID	Typical
84	19	N48	N168			RIGID	None	None	RIGID	Typical
85	18	N167	N48			RIGID	None	None	RIGID	Typical
86	17	N164	N40			RIGID	None	None	RIGID	Typical
87	16	N165	N40			RIGID	None	None	RIGID	Typical
88	15	N34	N161A			RIGID	None	None	RIGID	Typical
89	14	N34	N162A			RIGID	None	None	RIGID	Typical
90	12	N101	N103			RIGID	None	None	RIGID	Typical
91	11	N95	N97			RIGID	None	None	RIGID	Typical
92	10	N89D	N91B			RIGID	None	None	RIGID	Typical
93	9	N112	N91A			RIGID	None	None	RIGID	Typical
94	8	N104A	N89			RIGID	None	None	RIGID	Typical
95	7	N109	N87B			RIGID	None	None	RIGID	Typical
96	6	N110	N88A			RIGID	None	None	RIGID	Typical
97	5	N106	N91			RIGID	None	None	RIGID	Typical
98	4	N107	N86A			RIGID	None	None	RIGID	Typical
99	3	N108	N87A			RIGID	None	None	RIGID	Typical
100	2	N111	N90			RIGID	None	None	RIGID	Typical
101	1	N105A	N89A			RIGID	None	None	RIGID	Typical
102	MP ALPHA4	N188B	N187C			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
103	M110	N189A	N190A			RIGID	None	None	RIGID	Typical
104	M111	N185C	N186B			RIGID	None	None	RIGID	Typical
105	M113	N196	N197B			RIGID	None	None	RIGID	Typical
106	M114	N192B	N193A			RIGID	None	None	RIGID	Typical
107	M118	N204B	N203B			RIGID	None	None	RIGID	Typical
108	KICKER2	N204B	N205A		180	LL2.5x2.5x3x3	Beam	Double Angl...	A36 Gr.36	Typical
109	M120	N208A	N207A		120	RIGID	None	None	RIGID	Typical
110	KIKCER1	N208A	N209A		76.998	LL2.5x2.5x3x3	Beam	Double Angl...	A36 Gr.36	Typical
111	M122	N212A	N211A		240	RIGID	None	None	RIGID	Typical
112	KICKER3	N212A	N213		283.002	LL2.5x2.5x3x3	Beam	Double Angl...	A36 Gr.36	Typical
113	DISH1	N208C	N217			RIGID	None	None	RIGID	Typical





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**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
114	MP GAMM...	N206A	N205B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
115	M119	N207B	N208B			RIGID	None	None	RIGID	Typical
116	M120A	N203C	N204C			RIGID	None	None	RIGID	Typical
117	MP BETA4	N213A	N212B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
118	M122A	N214	N215			RIGID	None	None	RIGID	Typical
119	M123	N210B	N211B			RIGID	None	None	RIGID	Typical
120	MP GAMM...	N207C	N206B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio	Options	Analysis...	Inactive	Seismi...
1	SUP3B						Yes					None
2	SUP3A						Yes					None
3	SUP2B						Yes					None
4	SUP2A						Yes					None
5	SUP1B						Yes					None
6	SUP1A						Yes					None
7	SO3						Yes					None
8	SO2						Yes					None
9	SO1						Yes					None
10	PLATEC...						Yes					None
11	PLATEC...						Yes					None
12	PLATEC...						Yes					None
13	PLATEC...						Yes					None
14	PLATEC...						Yes					None
15	PLATEC...						Yes					None
16	PLATEC...						Yes					None
17	PLATEC...						Yes					None
18	PLATEC...						Yes					None
19	PLATE12						Yes					None
20	PLATE11						Yes					None
21	PLATE10						Yes					None
22	PLATE9						Yes					None
23	PLATE8						Yes					None
24	PLATE7						Yes					None
25	PLATE6						Yes					None
26	PLATE5						Yes					None
27	PLATE4						Yes					None
28	PLATE3						Yes					None
29	PLATE2						Yes					None
30	PLATE1						Yes					None
31	MP GAM...						Yes					None
32	MP GAM...						Yes					None
33	MP GAM...						Yes					None
34	MP BETA3						Yes					None
35	MP BETA2						Yes					None
36	MP BETA1						Yes					None
37	MP ALP...						Yes					None
38	MP ALP...						Yes					None
39	MP ALP...						Yes					None
40	FACERAI...						Yes					None
41	FACERAI...						Yes					None
42	FACERAI...						Yes					None
43	FACEBO...						Yes					None
44	FACEBO...						Yes					None
45	FACEBO...						Yes					None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio	Options	Analysis...	Inactive	Seismi...
46	CR3B						Yes					None
47	CR3A						Yes					None
48	CR2B						Yes					None
49	CR2A						Yes					None
50	CR1B						Yes					None
51	CR1A						Yes					None
52	ANGLE3						Yes					None
53	ANGLE2						Yes					None
54	ANGLE1						Yes					None
55	52		000X00				Yes	**	NA	**		None
56	51						Yes	**	NA	**		None
57	50						Yes	**	NA	**		None
58	49						Yes	**	NA	**		None
59	47						Yes	**	NA	**		None
60	46						Yes	**	NA	**		None
61	45						Yes	**	NA	**		None
62	44						Yes	**	NA	**		None
63	43						Yes	**	NA	**		None
64	42						Yes	**	NA	**		None
65	41						Yes	**	NA	**		None
66	39						Yes	**	NA	**		None
67	38						Yes	**	NA	**		None
68	37						Yes	**	NA	**		None
69	35						Yes	**	NA	**		None
70	34						Yes	**	NA	**		None
71	33						Yes	**	NA	**		None
72	32						Yes	**	NA	**		None
73	31		000X00				Yes	**	NA	**		None
74	30		000X00				Yes	**	NA	**		None
75	29		000X00				Yes	**	NA	**		None
76	28		000X00				Yes	**	NA	**		None
77	27		000X00				Yes	**	NA	**		None
78	26		000X00				Yes	**	NA	**		None
79	25		000X00				Yes	**	NA	**		None
80	24		000X00				Yes	**	NA	**		None
81	23		000X00				Yes	**	NA	**		None
82	22		000X00				Yes	**	NA	**		None
83	21		000X00				Yes	**	NA	**		None
84	19						Yes	**	NA	**		None
85	18						Yes	**	NA	**		None
86	17						Yes	**	NA	**		None
87	16						Yes	**	NA	**		None
88	15						Yes	**	NA	**		None
89	14						Yes	**	NA	**		None
90	12						Yes	**	NA	**		None
91	11						Yes	**	NA	**		None
92	10						Yes	**	NA	**		None
93	9						Yes	**	NA	**		None
94	8						Yes	**	NA	**		None
95	7						Yes	**	NA	**		None
96	6						Yes	**	NA	**		None
97	5						Yes	**	NA	**		None
98	4						Yes	**	NA	**		None
99	3						Yes	**	NA	**		None
100	2						Yes	**	NA	**		None
101	1						Yes	**	NA	**		None
102	MP ALP...						Yes					None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Options	Analysis...	Inactive	Seismi...
103	M110						Yes	** NA **			None
104	M111						Yes	** NA **			None
105	M113						Yes	** NA **			None
106	M114						Yes	** NA **			None
107	M118						Yes	** NA **			None
108	KICKER2	OOOOOX	OOOOOX				Yes	Default			None
109	M120						Yes	** NA **			None
110	KICKER1	OOOOOX	OOOOOX				Yes	Default			None
111	M122						Yes	** NA **			None
112	KICKER3	OOOOOX	OOOOOX				Yes	Default			None
113	DISH1						Yes	** NA **			None
114	MP GAM...						Yes				None
115	M119						Yes	** NA **			None
116	M120A						Yes	** NA **			None
117	MP BETA4						Yes				None
118	M122A						Yes	** NA **			None
119	M123						Yes	** NA **			None
120	MP GAM...						Yes				None

**Hot Rolled Steel Design Parameters**

	Label	Shape	Length[...]	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Function
1	SUP3B	L2x2x3	4.041			Lbyy						Lateral
2	SUP3A	L2x2x3	4.041			Lbyy						Lateral
3	SUP2B	L2x2x3	4.041			Lbyy						Lateral
4	SUP2A	L2x2x3	4.041			Lbyy						Lateral
5	SUP1B	L2x2x3	4.041			Lbyy						Lateral
6	SUP1A	L2x2x3	4.041			Lbyy						Lateral
7	SO3	HSS4X4X4	5.188			Lbyy						Lateral
8	SO2	HSS4X4X4	5.188			Lbyy						Lateral
9	SO1	HSS4X4X4	5.188			Lbyy						Lateral
10	PLATECO...	6x.675	.3			Lbyy						Lateral
11	PLATECO...	6x.675	.3			Lbyy						Lateral
12	PLATECO...	6x.675	1.049			Lbyy						Lateral
13	PLATECO...	6x.675	.3			Lbyy						Lateral
14	PLATECO...	6x.675	.3			Lbyy						Lateral
15	PLATECO...	6x.675	1.049			Lbyy						Lateral
16	PLATECO...	6x.675	.3			Lbyy						Lateral
17	PLATECO...	6x.675	.3			Lbyy						Lateral
18	PLATECO...	6x.675	1.049			Lbyy						Lateral
19	PLATE12	6x.675	.338			Lbyy						Lateral
20	PLATE11	6x.675	.338			Lbyy						Lateral
21	PLATE10	6x.675	.338			Lbyy						Lateral
22	PLATE9	6x.675	.338			Lbyy						Lateral
23	PLATE8	6x.675	.338			Lbyy						Lateral
24	PLATE7	6x.675	.338			Lbyy						Lateral
25	PLATE6	6x.675	.292			Lbyy						Lateral
26	PLATE5	6x.675	.292			Lbyy						Lateral
27	PLATE4	6x.675	.292			Lbyy						Lateral
28	PLATE3	6x.675	.292			Lbyy						Lateral
29	PLATE2	6x.675	.292			Lbyy						Lateral
30	PLATE1	6x.675	.292			Lbyy						Lateral
31	MP GAM...	PIPE_2.0	8			Lbyy						Lateral
32	MP GAM...	PIPE_2.0	8			Lbyy						Lateral
33	MP GAM...	PIPE_2.0	9			Lbyy						Lateral
34	MP BETA3	PIPE_2.0	8			Lbyy						Lateral



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**Hot Rolled Steel Design Parameters (Continued)**

Label	Shape	Length[...]	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Function
35	MP BETA2	PIPE 2.0	8			Lbyy					Lateral
36	MP BETA1	PIPE 2.0	9			Lbyy					Lateral
37	MP ALPH...	PIPE 2.0	8			Lbyy					Lateral
38	MP ALPH...	PIPE 2.0	8			Lbyy					Lateral
39	MP ALPH...	PIPE 2.0	9			Lbyy					Lateral
40	FACERAIL3	PIPE 2.0	12.5			Lbyy					Lateral
41	FACERAIL2	PIPE 2.0	12.5			Lbyy					Lateral
42	FACERAIL1	PIPE 2.0	12.5			Lbyy					Lateral
43	FACEBOT3	PIPE 3.0	12.5			Lbyy					Lateral
44	FACEBOT2	PIPE 3.0	12.5			Lbyy					Lateral
45	FACEBOT1	PIPE 3.0	12.5			Lbyy					Lateral
46	CR3B	HSS4X4X4	2.38			Lbyy					Lateral
47	CR3A	HSS4X4X4	2.38			Lbyy					Lateral
48	CR2B	HSS4X4X4	2.38			Lbyy					Lateral
49	CR2A	HSS4X4X4	2.38			Lbyy					Lateral
50	CR1B	HSS4X4X4	2.38			Lbyy					Lateral
51	CR1A	HSS4X4X4	2.38			Lbyy					Lateral
52	ANGLE3	L2.5x2.5x3	1.395			Lbyy					Lateral
53	ANGLE2	L2.5x2.5x3	1.395			Lbyy					Lateral
54	ANGLE1	L2.5x2.5x3	1.395			Lbyy					Lateral
55	MP ALPH...	PIPE 2.0	8			Lbyy					Lateral
56	KICKER2	LL2.5x2.5...	4.376			Lbyy					Lateral
57	KICKER1	LL2.5x2.5...	4.376			Lbyy					Lateral
58	KICKER3	LL2.5x2.5...	4.376			Lbyy					Lateral
59	MP GAM...	PIPE 2.0	8			Lbyy					Lateral
60	MP BETA4	PIPE 2.0	8			Lbyy					Lateral
61	MP GAM...	PIPE 2.0	8			Lbyy					Lateral

**Hot Rolled Steel Properties**

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

**Member Point Loads (BLC 1 : Live Load)**

Member Label	Direction	Magnitude[k,k-ft]	Location[ft.%]	
1	FACEBOT1	Z	-5	0

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

Member Label	Direction	Magnitude[k,k-ft]	Location[ft.%]	
1	MP ALPHA4	Y	-107	6.458
2	MP ALPHA4	Y	-107	2.542
3	MP ALPHA2	Y	-1	6.458
4	MP ALPHA2	Y	-1	2.542
5	MP BETA2	Y	-078	6.458
6	MP BETA2	Y	-078	2.542
7	MP GAMMA2	Y	-078	6.458
8	MP GAMMA2	Y	-078	2.542
9	MP ALPHA1	Y	-093	5.542



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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
10	MP ALPHA1	Y	-093	3.458
11	MP BETA1	Y	-054	5.542
12	MP BETA1	Y	-054	3.458
13	MP GAMMA1	Y	-054	5.542
14	MP GAMMA1	Y	-054	3.458
15	MP ALPHA3	Y	-267	7.5
16	MP ALPHA3	Y	-267	1.5
17	MP BETA3	Y	-139	7.5
18	MP BETA3	Y	-139	1.5
19	MP GAMMA3	Y	-139	7.5
20	MP GAMMA3	Y	-139	1.5
21	MP ALPHA3	Y	-065	4.5
22	MP BETA3	Y	-055	4.5
23	MP GAMMA3	Y	-055	4.5
24	MP ALPHA3	Y	-031	4.5
25	MP BETA3	Y	-024	4.5
26	MP GAMMA3	Y	-024	4.5
27	DISH1	Y	-08	0
28	MP GAMMA4	Y	-107	6.458
29	MP GAMMA4	Y	-107	2.542
30	MP BETA4	Y	-107	6.458
31	MP BETA4	Y	-107	2.542

**Member Point Loads (BLC 3 : Dead Load)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Z	-066	6.458
2	MP ALPHA4	Z	-066	2.542
3	MP ALPHA2	Z	-046	6.458
4	MP ALPHA2	Z	-046	2.542
5	MP BETA2	Z	-046	6.458
6	MP BETA2	Z	-046	2.542
7	MP GAMMA2	Z	-046	6.458
8	MP GAMMA2	Z	-046	2.542
9	MP ALPHA1	Z	-052	5.542
10	MP ALPHA1	Z	-052	3.458
11	MP BETA1	Z	-052	5.542
12	MP BETA1	Z	-052	3.458
13	MP GAMMA1	Z	-052	5.542
14	MP GAMMA1	Z	-052	3.458
15	MP ALPHA3	Z	-077	7.5
16	MP ALPHA3	Z	-077	1.5
17	MP BETA3	Z	-077	7.5
18	MP BETA3	Z	-077	1.5
19	MP GAMMA3	Z	-077	7.5
20	MP GAMMA3	Z	-077	1.5
21	MP ALPHA3	Z	-046	4.5
22	MP BETA3	Z	-046	4.5
23	MP GAMMA3	Z	-046	4.5
24	MP ALPHA3	Z	-044	4.5
25	MP BETA3	Z	-044	4.5
26	MP GAMMA3	Z	-044	4.5
27	DISH1	Z	-024	0
28	MP GAMMA4	Z	-066	6.458
29	MP GAMMA4	Z	-066	2.542
30	MP BETA4	Z	-066	6.458
31	MP BETA4	Z	-066	2.542



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**Member Point Loads (BLC 4 : Wind Load (30))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.086	6.458
2	MP ALPHA4	Y	-.086	2.542
3	MP ALPHA4	X	-.05	6.458
4	MP ALPHA4	X	-.05	2.542
5	MP ALPHA2	Y	-.08	6.458
6	MP ALPHA2	Y	-.08	2.542
7	MP ALPHA2	X	-.046	6.458
8	MP ALPHA2	X	-.046	2.542
9	MP BETA2	Y	-.061	6.458
10	MP BETA2	Y	-.061	2.542
11	MP BETA2	X	-.035	6.458
12	MP BETA2	X	-.035	2.542
13	MP GAMMA2	Y	-.08	6.458
14	MP GAMMA2	Y	-.08	2.542
15	MP GAMMA2	X	-.046	6.458
16	MP GAMMA2	X	-.046	2.542
17	MP ALPHA1	Y	-.069	5.542
18	MP ALPHA1	Y	-.069	3.458
19	MP ALPHA1	X	-.04	5.542
20	MP ALPHA1	X	-.04	3.458
21	MP BETA1	Y	-.035	5.542
22	MP BETA1	Y	-.035	3.458
23	MP BETA1	X	-.02	5.542
24	MP BETA1	X	-.02	3.458
25	MP GAMMA1	Y	-.069	5.542
26	MP GAMMA1	Y	-.069	3.458
27	MP GAMMA1	X	-.04	5.542
28	MP GAMMA1	X	-.04	3.458
29	MP ALPHA3	Y	-.194	7.5
30	MP ALPHA3	Y	-.194	1.5
31	MP ALPHA3	X	-.112	7.5
32	MP ALPHA3	X	-.112	1.5
33	MP BETA3	Y	-.084	7.5
34	MP BETA3	Y	-.084	1.5
35	MP BETA3	X	-.048	7.5
36	MP BETA3	X	-.048	1.5
37	MP GAMMA3	Y	-.194	7.5
38	MP GAMMA3	Y	-.194	1.5
39	MP GAMMA3	X	-.112	7.5
40	MP GAMMA3	X	-.112	1.5
41	MP ALPHA3	Y	-.053	4.5
42	MP ALPHA3	X	-.031	4.5
43	MP BETA3	Y	-.045	4.5
44	MP BETA3	X	-.026	4.5
45	MP GAMMA3	Y	-.053	4.5
46	MP GAMMA3	X	-.031	4.5
47	MP ALPHA3	Y	-.025	4.5
48	MP ALPHA3	X	-.014	4.5
49	MP BETA3	Y	-.019	4.5
50	MP BETA3	X	-.011	4.5
51	MP GAMMA3	Y	-.025	4.5
52	MP GAMMA3	X	-.014	4.5
53	DISH1	Y	-.06	0
54	DISH1	X	.027	0
55	DISH1	Mz	-.012	0
56	MP GAMMA4	Y	-.086	6.458
57	MP GAMMA4	Y	-.086	2.542



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**Member Point Loads (BLC 4 : Wind Load (30)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
58	MP GAMMA4	X	-.05	6.458
59	MP GAMMA4	X	-.05	2.542
60	MP BETA4	Y	-.086	6.458
61	MP BETA4	Y	-.086	2.542
62	MP BETA4	X	-.05	6.458
63	MP BETA4	X	-.05	2.542

**Member Point Loads (BLC 5 : Wind Load (60))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.042	6.458
2	MP ALPHA4	Y	-.042	2.542
3	MP ALPHA4	X	-.073	6.458
4	MP ALPHA4	X	-.073	2.542
5	MP ALPHA2	Y	-.039	6.458
6	MP ALPHA2	Y	-.039	2.542
7	MP ALPHA2	X	-.067	6.458
8	MP ALPHA2	X	-.067	2.542
9	MP BETA2	Y	-.039	6.458
10	MP BETA2	Y	-.039	2.542
11	MP BETA2	X	-.067	6.458
12	MP BETA2	X	-.067	2.542
13	MP GAMMA2	Y	-.05	6.458
14	MP GAMMA2	Y	-.05	2.542
15	MP GAMMA2	X	-.086	6.458
16	MP GAMMA2	X	-.086	2.542
17	MP ALPHA1	Y	-.027	5.542
18	MP ALPHA1	Y	-.027	3.458
19	MP ALPHA1	X	-.047	5.542
20	MP ALPHA1	X	-.047	3.458
21	MP BETA1	Y	-.027	5.542
22	MP BETA1	Y	-.027	3.458
23	MP BETA1	X	-.047	5.542
24	MP BETA1	X	-.047	3.458
25	MP GAMMA1	Y	-.047	5.542
26	MP GAMMA1	Y	-.047	3.458
27	MP GAMMA1	X	-.081	5.542
28	MP GAMMA1	X	-.081	3.458
29	MP ALPHA3	Y	-.07	7.5
30	MP ALPHA3	Y	-.07	1.5
31	MP ALPHA3	X	-.121	7.5
32	MP ALPHA3	X	-.121	1.5
33	MP BETA3	Y	-.07	7.5
34	MP BETA3	Y	-.07	1.5
35	MP BETA3	X	-.121	7.5
36	MP BETA3	X	-.121	1.5
37	MP GAMMA3	Y	-.133	7.5
38	MP GAMMA3	Y	-.133	1.5
39	MP GAMMA3	X	-.231	7.5
40	MP GAMMA3	X	-.231	1.5
41	MP ALPHA3	Y	-.028	4.5
42	MP ALPHA3	X	-.048	4.5
43	MP BETA3	Y	-.028	4.5
44	MP BETA3	X	-.048	4.5
45	MP GAMMA3	Y	-.032	4.5
46	MP GAMMA3	X	-.056	4.5
47	MP ALPHA3	Y	-.012	4.5



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**Member Point Loads (BLC 5 : Wind Load (60)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
48	MP ALPHA3	X	-.021	4.5
49	MP BETA3	Y	-.012	4.5
50	MP BETA3	X	-.021	4.5
51	MP GAMMA3	Y	-.015	4.5
52	MP GAMMA3	X	-.027	4.5
53	DISH1	Y	-.019	0
54	DISH1	X	.04	0
55	DISH1	Mz	-.036	0
56	MP GAMMA4	Y	-.042	6.458
57	MP GAMMA4	Y	-.042	2.542
58	MP GAMMA4	X	-.073	6.458
59	MP GAMMA4	X	-.073	2.542
60	MP BETA4	Y	-.042	6.458
61	MP BETA4	Y	-.042	2.542
62	MP BETA4	X	-.073	6.458
63	MP BETA4	X	-.073	2.542

**Member Point Loads (BLC 6 : Wind Load (90))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	X	-.077	6.458
2	MP ALPHA4	X	-.077	2.542
3	MP ALPHA2	X	-.07	6.458
4	MP ALPHA2	X	-.07	2.542
5	MP BETA2	X	-.092	6.458
6	MP BETA2	X	-.092	2.542
7	MP GAMMA2	X	-.092	6.458
8	MP GAMMA2	X	-.092	2.542
9	MP ALPHA1	X	-.041	5.542
10	MP ALPHA1	X	-.041	3.458
11	MP BETA1	X	-.08	5.542
12	MP BETA1	X	-.08	3.458
13	MP GAMMA1	X	-.08	5.542
14	MP GAMMA1	X	-.08	3.458
15	MP ALPHA3	X	-.097	7.5
16	MP ALPHA3	X	-.097	1.5
17	MP BETA3	X	-.224	7.5
18	MP BETA3	X	-.224	1.5
19	MP GAMMA3	X	-.224	7.5
20	MP GAMMA3	X	-.224	1.5
21	MP ALPHA3	X	-.052	4.5
22	MP BETA3	X	-.061	4.5
23	MP GAMMA3	X	-.061	4.5
24	MP ALPHA3	X	-.021	4.5
25	MP BETA3	X	-.029	4.5
26	MP GAMMA3	X	-.029	4.5
27	DISH1	Y	.015	0
28	DISH1	X	.047	0
29	DISH1	Mz	-.035	0
30	MP GAMMA4	X	-.077	6.458
31	MP GAMMA4	X	-.077	2.542
32	MP BETA4	X	-.077	6.458
33	MP BETA4	X	-.077	2.542

**Member Point Loads (BLC 7 : Wind Load (120))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.042	6.458





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**Member Point Loads (BLC 7 : Wind Load (120)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA4	Y	.042	2.542
3	MP ALPHA4	X	-.073	6.458
4	MP ALPHA4	X	-.073	2.542
5	MP ALPHA2	Y	.039	6.458
6	MP ALPHA2	Y	.039	2.542
7	MP ALPHA2	X	-.067	6.458
8	MP ALPHA2	X	-.067	2.542
9	MP BETA2	Y	.05	6.458
10	MP BETA2	Y	.05	2.542
11	MP BETA2	X	-.086	6.458
12	MP BETA2	X	-.086	2.542
13	MP GAMMA2	Y	.039	6.458
14	MP GAMMA2	Y	.039	2.542
15	MP GAMMA2	X	-.067	6.458
16	MP GAMMA2	X	-.067	2.542
17	MP ALPHA1	Y	.027	5.542
18	MP ALPHA1	Y	.027	3.458
19	MP ALPHA1	X	-.047	5.542
20	MP ALPHA1	X	-.047	3.458
21	MP BETA1	Y	.047	5.542
22	MP BETA1	Y	.047	3.458
23	MP BETA1	X	-.081	5.542
24	MP BETA1	X	-.081	3.458
25	MP GAMMA1	Y	.027	5.542
26	MP GAMMA1	Y	.027	3.458
27	MP GAMMA1	X	-.047	5.542
28	MP GAMMA1	X	-.047	3.458
29	MP ALPHA3	Y	.07	7.5
30	MP ALPHA3	Y	.07	1.5
31	MP ALPHA3	X	-.121	7.5
32	MP ALPHA3	X	-.121	1.5
33	MP BETA3	Y	.133	7.5
34	MP BETA3	Y	.133	1.5
35	MP BETA3	X	-.231	7.5
36	MP BETA3	X	-.231	1.5
37	MP GAMMA3	Y	.07	7.5
38	MP GAMMA3	Y	.07	1.5
39	MP GAMMA3	X	-.121	7.5
40	MP GAMMA3	X	-.121	1.5
41	MP ALPHA3	Y	.028	4.5
42	MP ALPHA3	X	-.048	4.5
43	MP BETA3	Y	.032	4.5
44	MP BETA3	X	-.056	4.5
45	MP GAMMA3	Y	.028	4.5
46	MP GAMMA3	X	-.048	4.5
47	MP ALPHA3	Y	.012	4.5
48	MP ALPHA3	X	-.021	4.5
49	MP BETA3	Y	.015	4.5
50	MP BETA3	X	-.027	4.5
51	MP GAMMA3	Y	.012	4.5
52	MP GAMMA3	X	-.021	4.5
53	DISH1	Y	.048	0
54	DISH1	X	.058	0
55	DISH1	Mz	0	0
56	MP GAMMA4	Y	.042	6.458
57	MP GAMMA4	Y	.042	2.542
58	MP GAMMA4	X	-.073	6.458



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**Member Point Loads (BLC 7 : Wind Load (120)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
59	MP GAMMA4	X	-.073	2.542
60	MP BETA4	Y	.042	6.458
61	MP BETA4	Y	.042	2.542
62	MP BETA4	X	-.073	6.458
63	MP BETA4	X	-.073	2.542

**Member Point Loads (BLC 8 : Wind Load (150))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.086	6.458
2	MP ALPHA4	Y	.086	2.542
3	MP ALPHA4	X	-.05	6.458
4	MP ALPHA4	X	-.05	2.542
5	MP ALPHA2	Y	.08	6.458
6	MP ALPHA2	Y	.08	2.542
7	MP ALPHA2	X	-.046	6.458
8	MP ALPHA2	X	-.046	2.542
9	MP BETA2	Y	.08	6.458
10	MP BETA2	Y	.08	2.542
11	MP BETA2	X	-.046	6.458
12	MP BETA2	X	-.046	2.542
13	MP GAMMA2	Y	.061	6.458
14	MP GAMMA2	Y	.061	2.542
15	MP GAMMA2	X	-.035	6.458
16	MP GAMMA2	X	-.035	2.542
17	MP ALPHA1	Y	.069	5.542
18	MP ALPHA1	Y	.069	3.458
19	MP ALPHA1	X	-.04	5.542
20	MP ALPHA1	X	-.04	3.458
21	MP BETA1	Y	.069	5.542
22	MP BETA1	Y	.069	3.458
23	MP BETA1	X	-.04	5.542
24	MP BETA1	X	-.04	3.458
25	MP GAMMA1	Y	.035	5.542
26	MP GAMMA1	Y	.035	3.458
27	MP GAMMA1	X	-.02	5.542
28	MP GAMMA1	X	-.02	3.458
29	MP ALPHA3	Y	.194	7.5
30	MP ALPHA3	Y	.194	1.5
31	MP ALPHA3	X	-.112	7.5
32	MP ALPHA3	X	-.112	1.5
33	MP BETA3	Y	.194	7.5
34	MP BETA3	Y	.194	1.5
35	MP BETA3	X	-.112	7.5
36	MP BETA3	X	-.112	1.5
37	MP GAMMA3	Y	.084	7.5
38	MP GAMMA3	Y	.084	1.5
39	MP GAMMA3	X	-.048	7.5
40	MP GAMMA3	X	-.048	1.5
41	MP ALPHA3	Y	.053	4.5
42	MP ALPHA3	X	-.031	4.5
43	MP BETA3	Y	.053	4.5
44	MP BETA3	X	-.031	4.5
45	MP GAMMA3	Y	.045	4.5
46	MP GAMMA3	X	-.026	4.5
47	MP ALPHA3	Y	.025	4.5
48	MP ALPHA3	X	-.014	4.5



**Member Point Loads (BLC 8 : Wind Load (150)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
49	MP BETA3	Y	.025	4.5
50	MP BETA3	X	-.014	4.5
51	MP GAMMA3	Y	.019	4.5
52	MP GAMMA3	X	-.011	4.5
53	DISH1	Y	.088	0
54	DISH1	X	.047	0
55	DISH1	Mz	.025	0
56	MP GAMMA4	Y	.086	6.458
57	MP GAMMA4	Y	.086	2.542
58	MP GAMMA4	X	-.05	6.458
59	MP GAMMA4	X	-.05	2.542
60	MP BETA4	Y	.086	6.458
61	MP BETA4	Y	.086	2.542
62	MP BETA4	X	-.05	6.458
63	MP BETA4	X	-.05	2.542

**Member Point Loads (BLC 9 : Wind Load (180))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.107	6.458
2	MP ALPHA4	Y	.107	2.542
3	MP ALPHA2	Y	.1	6.458
4	MP ALPHA2	Y	.1	2.542
5	MP BETA2	Y	.078	6.458
6	MP BETA2	Y	.078	2.542
7	MP GAMMA2	Y	.078	6.458
8	MP GAMMA2	Y	.078	2.542
9	MP ALPHA1	Y	.093	5.542
10	MP ALPHA1	Y	.093	3.458
11	MP BETA1	Y	.054	5.542
12	MP BETA1	Y	.054	3.458
13	MP GAMMA1	Y	.054	5.542
14	MP GAMMA1	Y	.054	3.458
15	MP ALPHA3	Y	.267	7.5
16	MP ALPHA3	Y	.267	1.5
17	MP BETA3	Y	.139	7.5
18	MP BETA3	Y	.139	1.5
19	MP GAMMA3	Y	.139	7.5
20	MP GAMMA3	Y	.139	1.5
21	MP ALPHA3	Y	.065	4.5
22	MP BETA3	Y	.055	4.5
23	MP GAMMA3	Y	.055	4.5
24	MP ALPHA3	Y	.031	4.5
25	MP BETA3	Y	.024	4.5
26	MP GAMMA3	Y	.024	4.5
27	MP GAMMA4	Y	.107	6.458
28	MP GAMMA4	Y	.107	2.542
29	MP BETA4	Y	.107	6.458
30	MP BETA4	Y	.107	2.542

**Member Point Loads (BLC 10 : Wind Load (210))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.086	6.458
2	MP ALPHA4	Y	.086	2.542
3	MP ALPHA4	X	.05	6.458
4	MP ALPHA4	X	.05	2.542
5	MP ALPHA2	Y	.08	6.458



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**Member Point Loads (BLC 10 : Wind Load (210)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP ALPHA2	Y	.08	2.542
7	MP ALPHA2	X	.046	6.458
8	MP ALPHA2	X	.046	2.542
9	MP BETA2	Y	.061	6.458
10	MP BETA2	Y	.061	2.542
11	MP BETA2	X	.035	6.458
12	MP BETA2	X	.035	2.542
13	MP GAMMA2	Y	.08	6.458
14	MP GAMMA2	Y	.08	2.542
15	MP GAMMA2	X	.046	6.458
16	MP GAMMA2	X	.046	2.542
17	MP ALPHA1	Y	.069	5.542
18	MP ALPHA1	Y	.069	3.458
19	MP ALPHA1	X	.04	5.542
20	MP ALPHA1	X	.04	3.458
21	MP BETA1	Y	.035	5.542
22	MP BETA1	Y	.035	3.458
23	MP BETA1	X	.02	5.542
24	MP BETA1	X	.02	3.458
25	MP GAMMA1	Y	.069	5.542
26	MP GAMMA1	Y	.069	3.458
27	MP GAMMA1	X	.04	5.542
28	MP GAMMA1	X	.04	3.458
29	MP ALPHA3	Y	.194	7.5
30	MP ALPHA3	Y	.194	1.5
31	MP ALPHA3	X	.112	7.5
32	MP ALPHA3	X	.112	1.5
33	MP BETA3	Y	.084	7.5
34	MP BETA3	Y	.084	1.5
35	MP BETA3	X	.048	7.5
36	MP BETA3	X	.048	1.5
37	MP GAMMA3	Y	.194	7.5
38	MP GAMMA3	Y	.194	1.5
39	MP GAMMA3	X	.112	7.5
40	MP GAMMA3	X	.112	1.5
41	MP ALPHA3	Y	.053	4.5
42	MP ALPHA3	X	.031	4.5
43	MP BETA3	Y	.045	4.5
44	MP BETA3	X	.026	4.5
45	MP GAMMA3	Y	.053	4.5
46	MP GAMMA3	X	.031	4.5
47	MP ALPHA3	Y	.025	4.5
48	MP ALPHA3	X	.014	4.5
49	MP BETA3	Y	.019	4.5
50	MP BETA3	X	.011	4.5
51	MP GAMMA3	Y	.025	4.5
52	MP GAMMA3	X	.014	4.5
53	DISH1	Y	.088	0
54	DISH1	X	-.047	0
55	DISH1	Mz	-.025	0
56	MP GAMMA4	Y	.086	6.458
57	MP GAMMA4	Y	.086	2.542
58	MP GAMMA4	X	.05	6.458
59	MP GAMMA4	X	.05	2.542
60	MP BETA4	Y	.086	6.458
61	MP BETA4	Y	.086	2.542
62	MP BETA4	X	.05	6.458



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**Member Point Loads (BLC 10 : Wind Load (210)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
63	MP BETA4	X	.05	2.542

**Member Point Loads (BLC 11 : Wind Load (240))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.042	6.458
2	MP ALPHA4	Y	.042	2.542
3	MP ALPHA4	X	.073	6.458
4	MP ALPHA4	X	.073	2.542
5	MP ALPHA2	Y	.039	6.458
6	MP ALPHA2	Y	.039	2.542
7	MP ALPHA2	X	.067	6.458
8	MP ALPHA2	X	.067	2.542
9	MP BETA2	Y	.039	6.458
10	MP BETA2	Y	.039	2.542
11	MP BETA2	X	.067	6.458
12	MP BETA2	X	.067	2.542
13	MP GAMMA2	Y	.05	6.458
14	MP GAMMA2	Y	.05	2.542
15	MP GAMMA2	X	.086	6.458
16	MP GAMMA2	X	.086	2.542
17	MP ALPHA1	Y	.027	5.542
18	MP ALPHA1	Y	.027	3.458
19	MP ALPHA1	X	.047	5.542
20	MP ALPHA1	X	.047	3.458
21	MP BETA1	Y	.027	5.542
22	MP BETA1	Y	.027	3.458
23	MP BETA1	X	.047	5.542
24	MP BETA1	X	.047	3.458
25	MP GAMMA1	Y	.047	5.542
26	MP GAMMA1	Y	.047	3.458
27	MP GAMMA1	X	.081	5.542
28	MP GAMMA1	X	.081	3.458
29	MP ALPHA3	Y	.07	7.5
30	MP ALPHA3	Y	.07	1.5
31	MP ALPHA3	X	.121	7.5
32	MP ALPHA3	X	.121	1.5
33	MP BETA3	Y	.07	7.5
34	MP BETA3	Y	.07	1.5
35	MP BETA3	X	.121	7.5
36	MP BETA3	X	.121	1.5
37	MP GAMMA3	Y	.133	7.5
38	MP GAMMA3	Y	.133	1.5
39	MP GAMMA3	X	.231	7.5
40	MP GAMMA3	X	.231	1.5
41	MP ALPHA3	Y	.028	4.5
42	MP ALPHA3	X	.048	4.5
43	MP BETA3	Y	.028	4.5
44	MP BETA3	X	.048	4.5
45	MP GAMMA3	Y	.032	4.5
46	MP GAMMA3	X	.056	4.5
47	MP ALPHA3	Y	.012	4.5
48	MP ALPHA3	X	.021	4.5
49	MP BETA3	Y	.012	4.5
50	MP BETA3	X	.021	4.5
51	MP GAMMA3	Y	.015	4.5
52	MP GAMMA3	X	.027	4.5



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**Member Point Loads (BLC 11 : Wind Load (240)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
53	DISH1	Y	.048	0
54	DISH1	X	-.058	0
55	DISH1	Mz	0	0
56	MP GAMMA4	Y	.042	6.458
57	MP GAMMA4	Y	.042	2.542
58	MP GAMMA4	X	.073	6.458
59	MP GAMMA4	X	.073	2.542
60	MP BETA4	Y	.042	6.458
61	MP BETA4	Y	.042	2.542
62	MP BETA4	X	.073	6.458
63	MP BETA4	X	.073	2.542

**Member Point Loads (BLC 12 : Wind Load (270))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	X	.077	6.458
2	MP ALPHA4	X	.077	2.542
3	MP ALPHA2	X	.07	6.458
4	MP ALPHA2	X	.07	2.542
5	MP BETA2	X	.092	6.458
6	MP BETA2	X	.092	2.542
7	MP GAMMA2	X	.092	6.458
8	MP GAMMA2	X	.092	2.542
9	MP ALPHA1	X	.041	5.542
10	MP ALPHA1	X	.041	3.458
11	MP BETA1	X	.08	5.542
12	MP BETA1	X	.08	3.458
13	MP GAMMA1	X	.08	5.542
14	MP GAMMA1	X	.08	3.458
15	MP ALPHA3	X	.097	7.5
16	MP ALPHA3	X	.097	1.5
17	MP BETA3	X	.224	7.5
18	MP BETA3	X	.224	1.5
19	MP GAMMA3	X	.224	7.5
20	MP GAMMA3	X	.224	1.5
21	MP ALPHA3	X	.052	4.5
22	MP BETA3	X	.061	4.5
23	MP GAMMA3	X	.061	4.5
24	MP ALPHA3	X	.021	4.5
25	MP BETA3	X	.029	4.5
26	MP GAMMA3	X	.029	4.5
27	DISH1	Y	.015	0
28	DISH1	X	-.047	0
29	DISH1	Mz	.035	0
30	MP GAMMA4	X	.077	6.458
31	MP GAMMA4	X	.077	2.542
32	MP BETA4	X	.077	6.458
33	MP BETA4	X	.077	2.542

**Member Point Loads (BLC 13 : Wind Load (300))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.042	6.458
2	MP ALPHA4	Y	-.042	2.542
3	MP ALPHA4	X	.073	6.458
4	MP ALPHA4	X	.073	2.542
5	MP ALPHA2	Y	-.039	6.458
6	MP ALPHA2	Y	-.039	2.542



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**Member Point Loads (BLC 13 : Wind Load (300)) (Continued)**

Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]	
7	MP ALPHA2	X	.067	6.458
8	MP ALPHA2	X	.067	2.542
9	MP BETA2	Y	-.05	6.458
10	MP BETA2	Y	-.05	2.542
11	MP BETA2	X	.086	6.458
12	MP BETA2	X	.086	2.542
13	MP GAMMA2	Y	-.039	6.458
14	MP GAMMA2	Y	-.039	2.542
15	MP GAMMA2	X	.067	6.458
16	MP GAMMA2	X	.067	2.542
17	MP ALPHA1	Y	-.027	5.542
18	MP ALPHA1	Y	-.027	3.458
19	MP ALPHA1	X	.047	5.542
20	MP ALPHA1	X	.047	3.458
21	MP BETA1	Y	-.047	5.542
22	MP BETA1	Y	-.047	3.458
23	MP BETA1	X	.081	5.542
24	MP BETA1	X	.081	3.458
25	MP GAMMA1	Y	-.027	5.542
26	MP GAMMA1	Y	-.027	3.458
27	MP GAMMA1	X	.047	5.542
28	MP GAMMA1	X	.047	3.458
29	MP ALPHA3	Y	-.07	7.5
30	MP ALPHA3	Y	-.07	1.5
31	MP ALPHA3	X	.121	7.5
32	MP ALPHA3	X	.121	1.5
33	MP BETA3	Y	-.133	7.5
34	MP BETA3	Y	-.133	1.5
35	MP BETA3	X	.231	7.5
36	MP BETA3	X	.231	1.5
37	MP GAMMA3	Y	-.07	7.5
38	MP GAMMA3	Y	-.07	1.5
39	MP GAMMA3	X	.121	7.5
40	MP GAMMA3	X	.121	1.5
41	MP ALPHA3	Y	-.028	4.5
42	MP ALPHA3	X	.048	4.5
43	MP BETA3	Y	-.032	4.5
44	MP BETA3	X	.056	4.5
45	MP GAMMA3	Y	-.028	4.5
46	MP GAMMA3	X	.048	4.5
47	MP ALPHA3	Y	-.012	4.5
48	MP ALPHA3	X	.021	4.5
49	MP BETA3	Y	-.015	4.5
50	MP BETA3	X	.027	4.5
51	MP GAMMA3	Y	-.012	4.5
52	MP GAMMA3	X	.021	4.5
53	DISH1	Y	-.019	0
54	DISH1	X	-.04	0
55	DISH1	Mz	.036	0
56	MP GAMMA4	Y	-.042	6.458
57	MP GAMMA4	Y	-.042	2.542
58	MP GAMMA4	X	.073	6.458
59	MP GAMMA4	X	.073	2.542
60	MP BETA4	Y	-.042	6.458
61	MP BETA4	Y	-.042	2.542
62	MP BETA4	X	.073	6.458
63	MP BETA4	X	.073	2.542



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**Member Point Loads (BLC 14 : Wind Load (330))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.086	6.458
2	MP ALPHA4	Y	-.086	2.542
3	MP ALPHA4	X	.05	6.458
4	MP ALPHA4	X	.05	2.542
5	MP ALPHA2	Y	-.08	6.458
6	MP ALPHA2	Y	-.08	2.542
7	MP ALPHA2	X	.046	6.458
8	MP ALPHA2	X	.046	2.542
9	MP BETA2	Y	-.08	6.458
10	MP BETA2	Y	-.08	2.542
11	MP BETA2	X	.046	6.458
12	MP BETA2	X	.046	2.542
13	MP GAMMA2	Y	-.061	6.458
14	MP GAMMA2	Y	-.061	2.542
15	MP GAMMA2	X	.035	6.458
16	MP GAMMA2	X	.035	2.542
17	MP ALPHA1	Y	-.069	5.542
18	MP ALPHA1	Y	-.069	3.458
19	MP ALPHA1	X	.04	5.542
20	MP ALPHA1	X	.04	3.458
21	MP BETA1	Y	-.069	5.542
22	MP BETA1	Y	-.069	3.458
23	MP BETA1	X	.04	5.542
24	MP BETA1	X	.04	3.458
25	MP GAMMA1	Y	-.035	5.542
26	MP GAMMA1	Y	-.035	3.458
27	MP GAMMA1	X	.02	5.542
28	MP GAMMA1	X	.02	3.458
29	MP ALPHA3	Y	-.194	7.5
30	MP ALPHA3	Y	-.194	1.5
31	MP ALPHA3	X	.112	7.5
32	MP ALPHA3	X	.112	1.5
33	MP BETA3	Y	-.194	7.5
34	MP BETA3	Y	-.194	1.5
35	MP BETA3	X	.112	7.5
36	MP BETA3	X	.112	1.5
37	MP GAMMA3	Y	-.084	7.5
38	MP GAMMA3	Y	-.084	1.5
39	MP GAMMA3	X	.048	7.5
40	MP GAMMA3	X	.048	1.5
41	MP ALPHA3	Y	-.053	4.5
42	MP ALPHA3	X	.031	4.5
43	MP BETA3	Y	-.053	4.5
44	MP BETA3	X	.031	4.5
45	MP GAMMA3	Y	-.045	4.5
46	MP GAMMA3	X	.026	4.5
47	MP ALPHA3	Y	-.025	4.5
48	MP ALPHA3	X	.014	4.5
49	MP BETA3	Y	-.025	4.5
50	MP BETA3	X	.014	4.5
51	MP GAMMA3	Y	-.019	4.5
52	MP GAMMA3	X	.011	4.5
53	DISH1	Y	-.06	0
54	DISH1	X	-.032	0
55	DISH1	Mz	.012	0
56	MP GAMMA4	Y	-.086	6.458
57	MP GAMMA4	Y	-.086	2.542





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**Member Point Loads (BLC 14 : Wind Load (330)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
58	MP GAMMA4	X	.05	6.458
59	MP GAMMA4	X	.05	2.542
60	MP BETA4	Y	-.086	6.458
61	MP BETA4	Y	-.086	2.542
62	MP BETA4	X	.05	6.458
63	MP BETA4	X	.05	2.542

**Member Point Loads (BLC 15 : Maintenance (0))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.006	6.458
2	MP ALPHA4	Y	-.006	2.542
3	MP ALPHA2	Y	-.005	6.458
4	MP ALPHA2	Y	-.005	2.542
5	MP BETA2	Y	-.004	6.458
6	MP BETA2	Y	-.004	2.542
7	MP GAMMA2	Y	-.004	6.458
8	MP GAMMA2	Y	-.004	2.542
9	MP ALPHA1	Y	-.005	5.542
10	MP ALPHA1	Y	-.005	3.458
11	MP BETA1	Y	-.003	5.542
12	MP BETA1	Y	-.003	3.458
13	MP GAMMA1	Y	-.003	5.542
14	MP GAMMA1	Y	-.003	3.458
15	MP ALPHA3	Y	-.014	7.5
16	MP ALPHA3	Y	-.014	1.5
17	MP BETA3	Y	-.007	7.5
18	MP BETA3	Y	-.007	1.5
19	MP GAMMA3	Y	-.007	7.5
20	MP GAMMA3	Y	-.007	1.5
21	MP ALPHA3	Y	-.003	4.5
22	MP BETA3	Y	-.003	4.5
23	MP GAMMA3	Y	-.003	4.5
24	MP ALPHA3	Y	-.002	4.5
25	MP BETA3	Y	-.001	4.5
26	MP GAMMA3	Y	-.001	4.5
27	MP GAMMA4	Y	-.006	6.458
28	MP GAMMA4	Y	-.006	2.542
29	MP BETA4	Y	-.006	6.458
30	MP BETA4	Y	-.006	2.542

**Member Point Loads (BLC 16 : Maintenance (30))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.005	6.458
2	MP ALPHA4	Y	-.005	2.542
3	MP ALPHA4	X	-.003	6.458
4	MP ALPHA4	X	-.003	2.542
5	MP ALPHA2	Y	-.004	6.458
6	MP ALPHA2	Y	-.004	2.542
7	MP ALPHA2	X	-.002	6.458
8	MP ALPHA2	X	-.002	2.542
9	MP BETA2	Y	-.003	6.458
10	MP BETA2	Y	-.003	2.542
11	MP BETA2	X	-.002	6.458
12	MP BETA2	X	-.002	2.542
13	MP GAMMA2	Y	-.004	6.458
14	MP GAMMA2	Y	-.004	2.542



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**Member Point Loads (BLC 16 : Maintenance (30)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
15	MP GAMMA2	X	-0.02	6.458
16	MP GAMMA2	X	-0.02	2.542
17	MP ALPHA1	Y	-0.04	5.542
18	MP ALPHA1	Y	-0.04	3.458
19	MP ALPHA1	X	-0.02	5.542
20	MP ALPHA1	X	-0.02	3.458
21	MP BETA1	Y	-0.02	5.542
22	MP BETA1	Y	-0.02	3.458
23	MP BETA1	X	-0.01	5.542
24	MP BETA1	X	-0.01	3.458
25	MP GAMMA1	Y	-0.04	5.542
26	MP GAMMA1	Y	-0.04	3.458
27	MP GAMMA1	X	-0.02	5.542
28	MP GAMMA1	X	-0.02	3.458
29	MP ALPHA3	Y	-0.01	7.5
30	MP ALPHA3	Y	-0.01	1.5
31	MP ALPHA3	X	-0.006	7.5
32	MP ALPHA3	X	-0.006	1.5
33	MP BETA3	Y	-0.04	7.5
34	MP BETA3	Y	-0.04	1.5
35	MP BETA3	X	-0.003	7.5
36	MP BETA3	X	-0.003	1.5
37	MP GAMMA3	Y	-0.01	7.5
38	MP GAMMA3	Y	-0.01	1.5
39	MP GAMMA3	X	-0.006	7.5
40	MP GAMMA3	X	-0.006	1.5
41	MP ALPHA3	Y	-0.003	4.5
42	MP ALPHA3	X	-0.002	4.5
43	MP BETA3	Y	-0.002	4.5
44	MP BETA3	X	-0.001	4.5
45	MP GAMMA3	Y	-0.003	4.5
46	MP GAMMA3	X	-0.002	4.5
47	MP ALPHA3	Y	-0.001	4.5
48	MP ALPHA3	X	-0.000761	4.5
49	MP BETA3	Y	-0.000989	4.5
50	MP BETA3	X	-0.000571	4.5
51	MP GAMMA3	Y	-0.001	4.5
52	MP GAMMA3	X	-0.000761	4.5
53	MP GAMMA4	Y	-0.005	6.458
54	MP GAMMA4	Y	-0.005	2.542
55	MP GAMMA4	X	-0.003	6.458
56	MP GAMMA4	X	-0.003	2.542
57	MP BETA4	Y	-0.005	6.458
58	MP BETA4	Y	-0.005	2.542
59	MP BETA4	X	-0.003	6.458
60	MP BETA4	X	-0.003	2.542

**Member Point Loads (BLC 17 : Maintenance (60))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-0.02	6.458
2	MP ALPHA4	Y	-0.02	2.542
3	MP ALPHA4	X	-0.04	6.458
4	MP ALPHA4	X	-0.04	2.542
5	MP ALPHA2	Y	-0.02	6.458
6	MP ALPHA2	Y	-0.02	2.542
7	MP ALPHA2	X	-0.04	6.458



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**Member Point Loads (BLC 17 : Maintenance (60)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP ALPHA2	X	-0.04	2.542
9	MP BETA2	Y	-0.02	6.458
10	MP BETA2	Y	-0.02	2.542
11	MP BETA2	X	-0.04	6.458
12	MP BETA2	X	-0.04	2.542
13	MP GAMMA2	Y	-0.03	6.458
14	MP GAMMA2	Y	-0.03	2.542
15	MP GAMMA2	X	-0.05	6.458
16	MP GAMMA2	X	-0.05	2.542
17	MP ALPHA1	Y	-0.01	5.542
18	MP ALPHA1	Y	-0.01	3.458
19	MP ALPHA1	X	-0.02	5.542
20	MP ALPHA1	X	-0.02	3.458
21	MP BETA1	Y	-0.01	5.542
22	MP BETA1	Y	-0.01	3.458
23	MP BETA1	X	-0.02	5.542
24	MP BETA1	X	-0.02	3.458
25	MP GAMMA1	Y	-0.02	5.542
26	MP GAMMA1	Y	-0.02	3.458
27	MP GAMMA1	X	-0.04	5.542
28	MP GAMMA1	X	-0.04	3.458
29	MP ALPHA3	Y	-0.04	7.5
30	MP ALPHA3	Y	-0.04	1.5
31	MP ALPHA3	X	-0.06	7.5
32	MP ALPHA3	X	-0.06	1.5
33	MP BETA3	Y	-0.04	7.5
34	MP BETA3	Y	-0.04	1.5
35	MP BETA3	X	-0.06	7.5
36	MP BETA3	X	-0.06	1.5
37	MP GAMMA3	Y	-0.07	7.5
38	MP GAMMA3	Y	-0.07	1.5
39	MP GAMMA3	X	-0.12	7.5
40	MP GAMMA3	X	-0.12	1.5
41	MP ALPHA3	Y	-0.01	4.5
42	MP ALPHA3	X	-0.03	4.5
43	MP BETA3	Y	-0.01	4.5
44	MP BETA3	X	-0.03	4.5
45	MP GAMMA3	Y	-0.02	4.5
46	MP GAMMA3	X	-0.03	4.5
47	MP ALPHA3	Y	-0.00634	4.5
48	MP ALPHA3	X	-0.01	4.5
49	MP BETA3	Y	-0.00634	4.5
50	MP BETA3	X	-0.01	4.5
51	MP GAMMA3	Y	-0.00824	4.5
52	MP GAMMA3	X	-0.01	4.5
53	MP GAMMA4	Y	-0.02	6.458
54	MP GAMMA4	Y	-0.02	2.542
55	MP GAMMA4	X	-0.04	6.458
56	MP GAMMA4	X	-0.04	2.542
57	MP BETA4	Y	-0.02	6.458
58	MP BETA4	Y	-0.02	2.542
59	MP BETA4	X	-0.04	6.458
60	MP BETA4	X	-0.04	2.542

**Member Point Loads (BLC 18 : Maintenance (90))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
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**Member Point Loads (BLC 18 : Maintenance (90)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	X	-.004	6.458
2	MP ALPHA4	X	-.004	2.542
3	MP ALPHA2	X	-.004	6.458
4	MP ALPHA2	X	-.004	2.542
5	MP BETA2	X	-.005	6.458
6	MP BETA2	X	-.005	2.542
7	MP GAMMA2	X	-.005	6.458
8	MP GAMMA2	X	-.005	2.542
9	MP ALPHA1	X	-.002	5.542
10	MP ALPHA1	X	-.002	3.458
11	MP BETA1	X	-.004	5.542
12	MP BETA1	X	-.004	3.458
13	MP GAMMA1	X	-.004	5.542
14	MP GAMMA1	X	-.004	3.458
15	MP ALPHA3	X	-.005	7.5
16	MP ALPHA3	X	-.005	1.5
17	MP BETA3	X	-.012	7.5
18	MP BETA3	X	-.012	1.5
19	MP GAMMA3	X	-.012	7.5
20	MP GAMMA3	X	-.012	1.5
21	MP ALPHA3	X	-.003	4.5
22	MP BETA3	X	-.003	4.5
23	MP GAMMA3	X	-.003	4.5
24	MP ALPHA3	X	-.001	4.5
25	MP BETA3	X	-.002	4.5
26	MP GAMMA3	X	-.002	4.5
27	MP GAMMA4	X	-.004	6.458
28	MP GAMMA4	X	-.004	2.542
29	MP BETA4	X	-.004	6.458
30	MP BETA4	X	-.004	2.542

**Member Point Loads (BLC 19 : Maintenance (120))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	Y	.002	6.458
2	MP ALPHA4	Y	.002	2.542
3	MP ALPHA4	X	-.004	6.458
4	MP ALPHA4	X	-.004	2.542
5	MP ALPHA2	Y	.002	6.458
6	MP ALPHA2	Y	.002	2.542
7	MP ALPHA2	X	-.004	6.458
8	MP ALPHA2	X	-.004	2.542
9	MP BETA2	Y	.003	6.458
10	MP BETA2	Y	.003	2.542
11	MP BETA2	X	-.005	6.458
12	MP BETA2	X	-.005	2.542
13	MP GAMMA2	Y	.002	6.458
14	MP GAMMA2	Y	.002	2.542
15	MP GAMMA2	X	-.004	6.458
16	MP GAMMA2	X	-.004	2.542
17	MP ALPHA1	Y	.001	5.542
18	MP ALPHA1	Y	.001	3.458
19	MP ALPHA1	X	-.002	5.542
20	MP ALPHA1	X	-.002	3.458
21	MP BETA1	Y	.002	5.542
22	MP BETA1	Y	.002	3.458
23	MP BETA1	X	-.004	5.542



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**Member Point Loads (BLC 19 : Maintenance (120)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
24	MP BETA1	X	-.004	3.458
25	MP GAMMA1	Y	.001	5.542
26	MP GAMMA1	Y	.001	3.458
27	MP GAMMA1	X	-.002	5.542
28	MP GAMMA1	X	-.002	3.458
29	MP ALPHA3	Y	.004	7.5
30	MP ALPHA3	Y	.004	1.5
31	MP ALPHA3	X	-.006	7.5
32	MP ALPHA3	X	-.006	1.5
33	MP BETA3	Y	.007	7.5
34	MP BETA3	Y	.007	1.5
35	MP BETA3	X	-.012	7.5
36	MP BETA3	X	-.012	1.5
37	MP GAMMA3	Y	.004	7.5
38	MP GAMMA3	Y	.004	1.5
39	MP GAMMA3	X	-.006	7.5
40	MP GAMMA3	X	-.006	1.5
41	MP ALPHA3	Y	.001	4.5
42	MP ALPHA3	X	-.003	4.5
43	MP BETA3	Y	.002	4.5
44	MP BETA3	X	-.003	4.5
45	MP GAMMA3	Y	.001	4.5
46	MP GAMMA3	X	-.003	4.5
47	MP ALPHA3	Y	.000634	4.5
48	MP ALPHA3	X	-.001	4.5
49	MP BETA3	Y	.000824	4.5
50	MP BETA3	X	-.001	4.5
51	MP GAMMA3	Y	.000634	4.5
52	MP GAMMA3	X	-.001	4.5
53	MP GAMMA4	Y	.002	6.458
54	MP GAMMA4	Y	.002	2.542
55	MP GAMMA4	X	-.004	6.458
56	MP GAMMA4	X	-.004	2.542
57	MP BETA4	Y	.002	6.458
58	MP BETA4	Y	.002	2.542
59	MP BETA4	X	-.004	6.458
60	MP BETA4	X	-.004	2.542

**Member Point Loads (BLC 20 : Maintenance (150))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.005	6.458
2	MP ALPHA4	Y	.005	2.542
3	MP ALPHA4	X	-.003	6.458
4	MP ALPHA4	X	-.003	2.542
5	MP ALPHA2	Y	.004	6.458
6	MP ALPHA2	Y	.004	2.542
7	MP ALPHA2	X	-.002	6.458
8	MP ALPHA2	X	-.002	2.542
9	MP BETA2	Y	.004	6.458
10	MP BETA2	Y	.004	2.542
11	MP BETA2	X	-.002	6.458
12	MP BETA2	X	-.002	2.542
13	MP GAMMA2	Y	.003	6.458
14	MP GAMMA2	Y	.003	2.542
15	MP GAMMA2	X	-.002	6.458
16	MP GAMMA2	X	-.002	2.542



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**Member Point Loads (BLC 20 : Maintenance (150)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
17	MP ALPHA1	Y	.004	5.542
18	MP ALPHA1	Y	.004	3.458
19	MP ALPHA1	X	-.002	5.542
20	MP ALPHA1	X	-.002	3.458
21	MP BETA1	Y	.004	5.542
22	MP BETA1	Y	.004	3.458
23	MP BETA1	X	-.002	5.542
24	MP BETA1	X	-.002	3.458
25	MP GAMMA1	Y	.002	5.542
26	MP GAMMA1	Y	.002	3.458
27	MP GAMMA1	X	-.001	5.542
28	MP GAMMA1	X	-.001	3.458
29	MP ALPHA3	Y	.01	7.5
30	MP ALPHA3	Y	.01	1.5
31	MP ALPHA3	X	-.006	7.5
32	MP ALPHA3	X	-.006	1.5
33	MP BETA3	Y	.01	7.5
34	MP BETA3	Y	.01	1.5
35	MP BETA3	X	-.006	7.5
36	MP BETA3	X	-.006	1.5
37	MP GAMMA3	Y	.004	7.5
38	MP GAMMA3	Y	.004	1.5
39	MP GAMMA3	X	-.003	7.5
40	MP GAMMA3	X	-.003	1.5
41	MP ALPHA3	Y	.003	4.5
42	MP ALPHA3	X	-.002	4.5
43	MP BETA3	Y	.003	4.5
44	MP BETA3	X	-.002	4.5
45	MP GAMMA3	Y	.002	4.5
46	MP GAMMA3	X	-.001	4.5
47	MP ALPHA3	Y	.001	4.5
48	MP ALPHA3	X	-.000761	4.5
49	MP BETA3	Y	.001	4.5
50	MP BETA3	X	-.000761	4.5
51	MP GAMMA3	Y	.000989	4.5
52	MP GAMMA3	X	-.000571	4.5
53	MP GAMMA4	Y	.005	6.458
54	MP GAMMA4	Y	.005	2.542
55	MP GAMMA4	X	-.003	6.458
56	MP GAMMA4	X	-.003	2.542
57	MP BETA4	Y	.005	6.458
58	MP BETA4	Y	.005	2.542
59	MP BETA4	X	-.003	6.458
60	MP BETA4	X	-.003	2.542

**Member Point Loads (BLC 21 : Maintenance (180))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.006	6.458
2	MP ALPHA4	Y	.006	2.542
3	MP ALPHA2	Y	.005	6.458
4	MP ALPHA2	Y	.005	2.542
5	MP BETA2	Y	.004	6.458
6	MP BETA2	Y	.004	2.542
7	MP GAMMA2	Y	.004	6.458
8	MP GAMMA2	Y	.004	2.542
9	MP ALPHA1	Y	.005	5.542



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**Member Point Loads (BLC 21 : Maintenance (180)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
10	MP ALPHA1	Y	.005	3.458
11	MP BETA1	Y	.003	5.542
12	MP BETA1	Y	.003	3.458
13	MP GAMMA1	Y	.003	5.542
14	MP GAMMA1	Y	.003	3.458
15	MP ALPHA3	Y	.014	7.5
16	MP ALPHA3	Y	.014	1.5
17	MP BETA3	Y	.007	7.5
18	MP BETA3	Y	.007	1.5
19	MP GAMMA3	Y	.007	7.5
20	MP GAMMA3	Y	.007	1.5
21	MP ALPHA3	Y	.003	4.5
22	MP BETA3	Y	.003	4.5
23	MP GAMMA3	Y	.003	4.5
24	MP ALPHA3	Y	.002	4.5
25	MP BETA3	Y	.001	4.5
26	MP GAMMA3	Y	.001	4.5
27	MP GAMMA4	Y	.006	6.458
28	MP GAMMA4	Y	.006	2.542
29	MP BETA4	Y	.006	6.458
30	MP BETA4	Y	.006	2.542

**Member Point Loads (BLC 22 : Maintenance (210))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.005	6.458
2	MP ALPHA4	Y	.005	2.542
3	MP ALPHA4	X	.003	6.458
4	MP ALPHA4	X	.003	2.542
5	MP ALPHA2	Y	.004	6.458
6	MP ALPHA2	Y	.004	2.542
7	MP ALPHA2	X	.002	6.458
8	MP ALPHA2	X	.002	2.542
9	MP BETA2	Y	.003	6.458
10	MP BETA2	Y	.003	2.542
11	MP BETA2	X	.002	6.458
12	MP BETA2	X	.002	2.542
13	MP GAMMA2	Y	.004	6.458
14	MP GAMMA2	Y	.004	2.542
15	MP GAMMA2	X	.002	6.458
16	MP GAMMA2	X	.002	2.542
17	MP ALPHA1	Y	.004	5.542
18	MP ALPHA1	Y	.004	3.458
19	MP ALPHA1	X	.002	5.542
20	MP ALPHA1	X	.002	3.458
21	MP BETA1	Y	.002	5.542
22	MP BETA1	Y	.002	3.458
23	MP BETA1	X	.001	5.542
24	MP BETA1	X	.001	3.458
25	MP GAMMA1	Y	.004	5.542
26	MP GAMMA1	Y	.004	3.458
27	MP GAMMA1	X	.002	5.542
28	MP GAMMA1	X	.002	3.458
29	MP ALPHA3	Y	.01	7.5
30	MP ALPHA3	Y	.01	1.5
31	MP ALPHA3	X	.006	7.5
32	MP ALPHA3	X	.006	1.5



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**Member Point Loads (BLC 22 : Maintenance (210)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
33	MP BETA3	Y	.004	7.5
34	MP BETA3	Y	.004	1.5
35	MP BETA3	X	.003	7.5
36	MP BETA3	X	.003	1.5
37	MP GAMMA3	Y	.01	7.5
38	MP GAMMA3	Y	.01	1.5
39	MP GAMMA3	X	.006	7.5
40	MP GAMMA3	X	.006	1.5
41	MP ALPHA3	Y	.003	4.5
42	MP ALPHA3	X	.002	4.5
43	MP BETA3	Y	.002	4.5
44	MP BETA3	X	.001	4.5
45	MP GAMMA3	Y	.003	4.5
46	MP GAMMA3	X	.002	4.5
47	MP ALPHA3	Y	.001	4.5
48	MP ALPHA3	X	.000761	4.5
49	MP BETA3	Y	.000989	4.5
50	MP BETA3	X	.000571	4.5
51	MP GAMMA3	Y	.001	4.5
52	MP GAMMA3	X	.000761	4.5
53	MP GAMMA4	Y	.005	6.458
54	MP GAMMA4	Y	.005	2.542
55	MP GAMMA4	X	.003	6.458
56	MP GAMMA4	X	.003	2.542
57	MP BETA4	Y	.005	6.458
58	MP BETA4	Y	.005	2.542
59	MP BETA4	X	.003	6.458
60	MP BETA4	X	.003	2.542

**Member Point Loads (BLC 23 : Maintenance (240))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.002	6.458
2	MP ALPHA4	Y	.002	2.542
3	MP ALPHA4	X	.004	6.458
4	MP ALPHA4	X	.004	2.542
5	MP ALPHA2	Y	.002	6.458
6	MP ALPHA2	Y	.002	2.542
7	MP ALPHA2	X	.004	6.458
8	MP ALPHA2	X	.004	2.542
9	MP BETA2	Y	.002	6.458
10	MP BETA2	Y	.002	2.542
11	MP BETA2	X	.004	6.458
12	MP BETA2	X	.004	2.542
13	MP GAMMA2	Y	.003	6.458
14	MP GAMMA2	Y	.003	2.542
15	MP GAMMA2	X	.005	6.458
16	MP GAMMA2	X	.005	2.542
17	MP ALPHA1	Y	.001	5.542
18	MP ALPHA1	Y	.001	3.458
19	MP ALPHA1	X	.002	5.542
20	MP ALPHA1	X	.002	3.458
21	MP BETA1	Y	.001	5.542
22	MP BETA1	Y	.001	3.458
23	MP BETA1	X	.002	5.542
24	MP BETA1	X	.002	3.458
25	MP GAMMA1	Y	.002	5.542





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**Member Point Loads (BLC 23 : Maintenance (240)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP GAMMA1	Y	.002	3.458
27	MP GAMMA1	X	.004	5.542
28	MP GAMMA1	X	.004	3.458
29	MP ALPHA3	Y	.004	7.5
30	MP ALPHA3	Y	.004	1.5
31	MP ALPHA3	X	.006	7.5
32	MP ALPHA3	X	.006	1.5
33	MP BETA3	Y	.004	7.5
34	MP BETA3	Y	.004	1.5
35	MP BETA3	X	.006	7.5
36	MP BETA3	X	.006	1.5
37	MP GAMMA3	Y	.007	7.5
38	MP GAMMA3	Y	.007	1.5
39	MP GAMMA3	X	.012	7.5
40	MP GAMMA3	X	.012	1.5
41	MP ALPHA3	Y	.001	4.5
42	MP ALPHA3	X	.003	4.5
43	MP BETA3	Y	.001	4.5
44	MP BETA3	X	.003	4.5
45	MP GAMMA3	Y	.002	4.5
46	MP GAMMA3	X	.003	4.5
47	MP ALPHA3	Y	.000634	4.5
48	MP ALPHA3	X	.001	4.5
49	MP BETA3	Y	.000634	4.5
50	MP BETA3	X	.001	4.5
51	MP GAMMA3	Y	.000824	4.5
52	MP GAMMA3	X	.001	4.5
53	MP GAMMA4	Y	.002	6.458
54	MP GAMMA4	Y	.002	2.542
55	MP GAMMA4	X	.004	6.458
56	MP GAMMA4	X	.004	2.542
57	MP BETA4	Y	.002	6.458
58	MP BETA4	Y	.002	2.542
59	MP BETA4	X	.004	6.458
60	MP BETA4	X	.004	2.542

**Member Point Loads (BLC 24 : Maintenance (270))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	X	.004	6.458
2	MP ALPHA4	X	.004	2.542
3	MP ALPHA2	X	.004	6.458
4	MP ALPHA2	X	.004	2.542
5	MP BETA2	X	.005	6.458
6	MP BETA2	X	.005	2.542
7	MP GAMMA2	X	.005	6.458
8	MP GAMMA2	X	.005	2.542
9	MP ALPHA1	X	.002	5.542
10	MP ALPHA1	X	.002	3.458
11	MP BETA1	X	.004	5.542
12	MP BETA1	X	.004	3.458
13	MP GAMMA1	X	.004	5.542
14	MP GAMMA1	X	.004	3.458
15	MP ALPHA3	X	.005	7.5
16	MP ALPHA3	X	.005	1.5
17	MP BETA3	X	.012	7.5
18	MP BETA3	X	.012	1.5



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**Member Point Loads (BLC 24 : Maintenance (270)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
19	MP GAMMA3	X	.012	7.5
20	MP GAMMA3	X	.012	1.5
21	MP ALPHA3	X	.003	4.5
22	MP BETA3	X	.003	4.5
23	MP GAMMA3	X	.003	4.5
24	MP ALPHA3	X	.001	4.5
25	MP BETA3	X	.002	4.5
26	MP GAMMA3	X	.002	4.5
27	MP GAMMA4	X	.004	6.458
28	MP GAMMA4	X	.004	2.542
29	MP BETA4	X	.004	6.458
30	MP BETA4	X	.004	2.542

**Member Point Loads (BLC 25 : Maintenance (300))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.002	6.458
2	MP ALPHA4	Y	-.002	2.542
3	MP ALPHA4	X	.004	6.458
4	MP ALPHA4	X	.004	2.542
5	MP ALPHA2	Y	-.002	6.458
6	MP ALPHA2	Y	-.002	2.542
7	MP ALPHA2	X	.004	6.458
8	MP ALPHA2	X	.004	2.542
9	MP BETA2	Y	-.003	6.458
10	MP BETA2	Y	-.003	2.542
11	MP BETA2	X	.005	6.458
12	MP BETA2	X	.005	2.542
13	MP GAMMA2	Y	-.002	6.458
14	MP GAMMA2	Y	-.002	2.542
15	MP GAMMA2	X	.004	6.458
16	MP GAMMA2	X	.004	2.542
17	MP ALPHA1	Y	-.001	5.542
18	MP ALPHA1	Y	-.001	3.458
19	MP ALPHA1	X	.002	5.542
20	MP ALPHA1	X	.002	3.458
21	MP BETA1	Y	-.002	5.542
22	MP BETA1	Y	-.002	3.458
23	MP BETA1	X	.004	5.542
24	MP BETA1	X	.004	3.458
25	MP GAMMA1	Y	-.001	5.542
26	MP GAMMA1	Y	-.001	3.458
27	MP GAMMA1	X	.002	5.542
28	MP GAMMA1	X	.002	3.458
29	MP ALPHA3	Y	-.004	7.5
30	MP ALPHA3	Y	-.004	1.5
31	MP ALPHA3	X	.006	7.5
32	MP ALPHA3	X	.006	1.5
33	MP BETA3	Y	-.007	7.5
34	MP BETA3	Y	-.007	1.5
35	MP BETA3	X	.012	7.5
36	MP BETA3	X	.012	1.5
37	MP GAMMA3	Y	-.004	7.5
38	MP GAMMA3	Y	-.004	1.5
39	MP GAMMA3	X	.006	7.5
40	MP GAMMA3	X	.006	1.5
41	MP ALPHA3	Y	-.001	4.5



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**Member Point Loads (BLC 25 : Maintenance (300)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
42	MP ALPHA3	X	.003	4.5
43	MP BETA3	Y	-.002	4.5
44	MP BETA3	X	.003	4.5
45	MP GAMMA3	Y	-.001	4.5
46	MP GAMMA3	X	.003	4.5
47	MP ALPHA3	Y	-.000634	4.5
48	MP ALPHA3	X	.001	4.5
49	MP BETA3	Y	-.000824	4.5
50	MP BETA3	X	.001	4.5
51	MP GAMMA3	Y	-.000634	4.5
52	MP GAMMA3	X	.001	4.5
53	MP GAMMA4	Y	-.002	6.458
54	MP GAMMA4	Y	-.002	2.542
55	MP GAMMA4	X	.004	6.458
56	MP GAMMA4	X	.004	2.542
57	MP BETA4	Y	-.002	6.458
58	MP BETA4	Y	-.002	2.542
59	MP BETA4	X	.004	6.458
60	MP BETA4	X	.004	2.542

**Member Point Loads (BLC 26 : Maintenance (330))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.005	6.458
2	MP ALPHA4	Y	-.005	2.542
3	MP ALPHA4	X	.003	6.458
4	MP ALPHA4	X	.003	2.542
5	MP ALPHA2	Y	-.004	6.458
6	MP ALPHA2	Y	-.004	2.542
7	MP ALPHA2	X	.002	6.458
8	MP ALPHA2	X	.002	2.542
9	MP BETA2	Y	-.004	6.458
10	MP BETA2	Y	-.004	2.542
11	MP BETA2	X	.002	6.458
12	MP BETA2	X	.002	2.542
13	MP GAMMA2	Y	-.003	6.458
14	MP GAMMA2	Y	-.003	2.542
15	MP GAMMA2	X	.002	6.458
16	MP GAMMA2	X	.002	2.542
17	MP ALPHA1	Y	-.004	5.542
18	MP ALPHA1	Y	-.004	3.458
19	MP ALPHA1	X	.002	5.542
20	MP ALPHA1	X	.002	3.458
21	MP BETA1	Y	-.004	5.542
22	MP BETA1	Y	-.004	3.458
23	MP BETA1	X	.002	5.542
24	MP BETA1	X	.002	3.458
25	MP GAMMA1	Y	-.002	5.542
26	MP GAMMA1	Y	-.002	3.458
27	MP GAMMA1	X	.001	5.542
28	MP GAMMA1	X	.001	3.458
29	MP ALPHA3	Y	-.01	7.5
30	MP ALPHA3	Y	-.01	1.5
31	MP ALPHA3	X	.006	7.5
32	MP ALPHA3	X	.006	1.5
33	MP BETA3	Y	-.01	7.5
34	MP BETA3	Y	-.01	1.5



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**Member Point Loads (BLC 26 : Maintenance (330)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
35	MP BETA3	X	.006	7.5
36	MP BETA3	X	.006	1.5
37	MP GAMMA3	Y	-.004	7.5
38	MP GAMMA3	Y	-.004	1.5
39	MP GAMMA3	X	.003	7.5
40	MP GAMMA3	X	.003	1.5
41	MP ALPHA3	Y	-.003	4.5
42	MP ALPHA3	X	.002	4.5
43	MP BETA3	Y	-.003	4.5
44	MP BETA3	X	.002	4.5
45	MP GAMMA3	Y	-.002	4.5
46	MP GAMMA3	X	.001	4.5
47	MP ALPHA3	Y	-.001	4.5
48	MP ALPHA3	X	.000761	4.5
49	MP BETA3	Y	-.001	4.5
50	MP BETA3	X	.000761	4.5
51	MP GAMMA3	Y	-.000989	4.5
52	MP GAMMA3	X	.000571	4.5
53	MP GAMMA4	Y	-.005	6.458
54	MP GAMMA4	Y	-.005	2.542
55	MP GAMMA4	X	.003	6.458
56	MP GAMMA4	X	.003	2.542
57	MP BETA4	Y	-.005	6.458
58	MP BETA4	Y	-.005	2.542
59	MP BETA4	X	.003	6.458
60	MP BETA4	X	.003	2.542

**Member Point Loads (BLC 27 : Ice Dead Load)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Z	-.053	6.458
2	MP ALPHA4	Z	-.053	2.542
3	MP ALPHA2	Z	-.049	6.458
4	MP ALPHA2	Z	-.049	2.542
5	MP BETA2	Z	-.049	6.458
6	MP BETA2	Z	-.049	2.542
7	MP GAMMA2	Z	-.049	6.458
8	MP GAMMA2	Z	-.049	2.542
9	MP ALPHA1	Z	-.045	5.542
10	MP ALPHA1	Z	-.045	3.458
11	MP BETA1	Z	-.045	5.542
12	MP BETA1	Z	-.045	3.458
13	MP GAMMA1	Z	-.045	5.542
14	MP GAMMA1	Z	-.045	3.458
15	MP ALPHA3	Z	-.128	7.5
16	MP ALPHA3	Z	-.128	1.5
17	MP BETA3	Z	-.128	7.5
18	MP BETA3	Z	-.128	1.5
19	MP GAMMA3	Z	-.128	7.5
20	MP GAMMA3	Z	-.128	1.5
21	MP ALPHA3	Z	-.047	4.5
22	MP BETA3	Z	-.047	4.5
23	MP GAMMA3	Z	-.047	4.5
24	MP ALPHA3	Z	-.03	4.5
25	MP BETA3	Z	-.03	4.5
26	MP GAMMA3	Z	-.03	4.5
27	DISH1	Z	-.09	0



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**Member Point Loads (BLC 27 : Ice Dead Load) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP GAMMA4	Z	-053	6.458
29	MP GAMMA4	Z	-053	2.542
30	MP BETA4	Z	-053	6.458
31	MP BETA4	Z	-053	2.542

**Member Point Loads (BLC 28 : Ice Wind Load (0))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	Y	-011	6.458
2	MP ALPHA4	Y	-011	2.542
3	MP ALPHA2	Y	-01	6.458
4	MP ALPHA2	Y	-01	2.542
5	MP BETA2	Y	-008	6.458
6	MP BETA2	Y	-008	2.542
7	MP GAMMA2	Y	-008	6.458
8	MP GAMMA2	Y	-008	2.542
9	MP ALPHA1	Y	-009	5.542
10	MP ALPHA1	Y	-009	3.458
11	MP BETA1	Y	-006	5.542
12	MP BETA1	Y	-006	3.458
13	MP GAMMA1	Y	-006	5.542
14	MP GAMMA1	Y	-006	3.458
15	MP ALPHA3	Y	-04	7.5
16	MP ALPHA3	Y	-04	1.5
17	MP BETA3	Y	-022	7.5
18	MP BETA3	Y	-022	1.5
19	MP GAMMA3	Y	-022	7.5
20	MP GAMMA3	Y	-022	1.5
21	MP ALPHA3	Y	-007	4.5
22	MP BETA3	Y	-006	4.5
23	MP GAMMA3	Y	-006	4.5
24	MP ALPHA3	Y	-008	4.5
25	MP BETA3	Y	-007	4.5
26	MP GAMMA3	Y	-007	4.5
27	DISH1	Y	-016	0
28	DISH1	X	0	0
29	DISH1	Mz	0	0
30	MP GAMMA4	Y	-011	6.458
31	MP GAMMA4	Y	-011	2.542
32	MP BETA4	Y	-011	6.458
33	MP BETA4	Y	-011	2.542

**Member Point Loads (BLC 29 : Ice Wind Load (30))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	Y	-009	6.458
2	MP ALPHA4	Y	-009	2.542
3	MP ALPHA4	X	-005	6.458
4	MP ALPHA4	X	-005	2.542
5	MP ALPHA2	Y	-008	6.458
6	MP ALPHA2	Y	-008	2.542
7	MP ALPHA2	X	-005	6.458
8	MP ALPHA2	X	-005	2.542
9	MP BETA2	Y	-007	6.458
10	MP BETA2	Y	-007	2.542
11	MP BETA2	X	-004	6.458
12	MP BETA2	X	-004	2.542
13	MP GAMMA2	Y	-008	6.458



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**Member Point Loads (BLC 29 : Ice Wind Load (30)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	MP GAMMA2	Y	-0.08	2.542
15	MP GAMMA2	X	-0.05	6.458
16	MP GAMMA2	X	-0.05	2.542
17	MP ALPHA1	Y	-0.07	5.542
18	MP ALPHA1	Y	-0.07	3.458
19	MP ALPHA1	X	-0.04	5.542
20	MP ALPHA1	X	-0.04	3.458
21	MP BETA1	Y	-0.04	5.542
22	MP BETA1	Y	-0.04	3.458
23	MP BETA1	X	-0.02	5.542
24	MP BETA1	X	-0.02	3.458
25	MP GAMMA1	Y	-0.07	5.542
26	MP GAMMA1	Y	-0.07	3.458
27	MP GAMMA1	X	-0.04	5.542
28	MP GAMMA1	X	-0.04	3.458
29	MP ALPHA3	Y	-0.29	7.5
30	MP ALPHA3	Y	-0.29	1.5
31	MP ALPHA3	X	-0.17	7.5
32	MP ALPHA3	X	-0.17	1.5
33	MP BETA3	Y	-0.14	7.5
34	MP BETA3	Y	-0.14	1.5
35	MP BETA3	X	-0.08	7.5
36	MP BETA3	X	-0.08	1.5
37	MP GAMMA3	Y	-0.29	7.5
38	MP GAMMA3	Y	-0.29	1.5
39	MP GAMMA3	X	-0.17	7.5
40	MP GAMMA3	X	-0.17	1.5
41	MP ALPHA3	Y	-0.06	4.5
42	MP ALPHA3	X	-0.03	4.5
43	MP BETA3	Y	-0.05	4.5
44	MP BETA3	X	-0.03	4.5
45	MP GAMMA3	Y	-0.06	4.5
46	MP GAMMA3	X	-0.03	4.5
47	MP ALPHA3	Y	-0.07	4.5
48	MP ALPHA3	X	-0.04	4.5
49	MP BETA3	Y	-0.06	4.5
50	MP BETA3	X	-0.03	4.5
51	MP GAMMA3	Y	-0.07	4.5
52	MP GAMMA3	X	-0.04	4.5
53	DISH1	Y	-0.12	0
54	DISH1	X	.06	0
55	DISH1	Mz	-0.03	0
56	MP GAMMA4	Y	-0.09	6.458
57	MP GAMMA4	Y	-0.09	2.542
58	MP GAMMA4	X	-0.05	6.458
59	MP GAMMA4	X	-0.05	2.542
60	MP BETA4	Y	-0.09	6.458
61	MP BETA4	Y	-0.09	2.542
62	MP BETA4	X	-0.05	6.458
63	MP BETA4	X	-0.05	2.542

**Member Point Loads (BLC 30 : Ice Wind Load (60))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA4	Y	-0.04	6.458
2	MP ALPHA4	Y	-0.04	2.542
3	MP ALPHA4	X	-0.08	6.458



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**Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA4	X	-008	2.542
5	MP ALPHA2	Y	-004	6.458
6	MP ALPHA2	Y	-004	2.542
7	MP ALPHA2	X	-007	6.458
8	MP ALPHA2	X	-007	2.542
9	MP BETA2	Y	-004	6.458
10	MP BETA2	Y	-004	2.542
11	MP BETA2	X	-007	6.458
12	MP BETA2	X	-007	2.542
13	MP GAMMA2	Y	-005	6.458
14	MP GAMMA2	Y	-005	2.542
15	MP GAMMA2	X	-009	6.458
16	MP GAMMA2	X	-009	2.542
17	MP ALPHA1	Y	-003	5.542
18	MP ALPHA1	Y	-003	3.458
19	MP ALPHA1	X	-005	5.542
20	MP ALPHA1	X	-005	3.458
21	MP BETA1	Y	-003	5.542
22	MP BETA1	Y	-003	3.458
23	MP BETA1	X	-005	5.542
24	MP BETA1	X	-005	3.458
25	MP GAMMA1	Y	-005	5.542
26	MP GAMMA1	Y	-005	3.458
27	MP GAMMA1	X	-008	5.542
28	MP GAMMA1	X	-008	3.458
29	MP ALPHA3	Y	-011	7.5
30	MP ALPHA3	Y	-011	1.5
31	MP ALPHA3	X	-019	7.5
32	MP ALPHA3	X	-019	1.5
33	MP BETA3	Y	-011	7.5
34	MP BETA3	Y	-011	1.5
35	MP BETA3	X	-019	7.5
36	MP BETA3	X	-019	1.5
37	MP GAMMA3	Y	-.02	7.5
38	MP GAMMA3	Y	-.02	1.5
39	MP GAMMA3	X	-.034	7.5
40	MP GAMMA3	X	-.034	1.5
41	MP ALPHA3	Y	-003	4.5
42	MP ALPHA3	X	-006	4.5
43	MP BETA3	Y	-003	4.5
44	MP BETA3	X	-006	4.5
45	MP GAMMA3	Y	-004	4.5
46	MP GAMMA3	X	-006	4.5
47	MP ALPHA3	Y	-003	4.5
48	MP ALPHA3	X	-006	4.5
49	MP BETA3	Y	-003	4.5
50	MP BETA3	X	-006	4.5
51	MP GAMMA3	Y	-004	4.5
52	MP GAMMA3	X	-007	4.5
53	DISH1	Y	-004	0
54	DISH1	X	.008	0
55	DISH1	Mz	-008	0
56	MP GAMMA4	Y	-004	6.458
57	MP GAMMA4	Y	-004	2.542
58	MP GAMMA4	X	-008	6.458
59	MP GAMMA4	X	-008	2.542
60	MP BETA4	Y	-004	6.458



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**Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
61	MP BETA4	Y	-0.04	2.542
62	MP BETA4	X	-0.08	6.458
63	MP BETA4	X	-0.08	2.542

**Member Point Loads (BLC 31 : Ice Wind Load (90))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	X	-0.08	6.458
2	MP ALPHA4	X	-0.08	2.542
3	MP ALPHA2	X	-0.08	6.458
4	MP ALPHA2	X	-0.08	2.542
5	MP BETA2	X	-0.01	6.458
6	MP BETA2	X	-0.01	2.542
7	MP GAMMA2	X	-0.01	6.458
8	MP GAMMA2	X	-0.01	2.542
9	MP ALPHA1	X	-0.05	5.542
10	MP ALPHA1	X	-0.05	3.458
11	MP BETA1	X	-0.08	5.542
12	MP BETA1	X	-0.08	3.458
13	MP GAMMA1	X	-0.08	5.542
14	MP GAMMA1	X	-0.08	3.458
15	MP ALPHA3	X	-0.16	7.5
16	MP ALPHA3	X	-0.16	1.5
17	MP BETA3	X	-0.034	7.5
18	MP BETA3	X	-0.034	1.5
19	MP GAMMA3	X	-0.034	7.5
20	MP GAMMA3	X	-0.034	1.5
21	MP ALPHA3	X	-0.06	4.5
22	MP BETA3	X	-0.07	4.5
23	MP GAMMA3	X	-0.07	4.5
24	MP ALPHA3	X	-0.07	4.5
25	MP BETA3	X	-0.08	4.5
26	MP GAMMA3	X	-0.08	4.5
27	DISH1	Y	.003	0
28	DISH1	X	.009	0
29	DISH1	Mz	-0.08	0
30	MP GAMMA4	X	-0.08	6.458
31	MP GAMMA4	X	-0.08	2.542
32	MP BETA4	X	-0.08	6.458
33	MP BETA4	X	-0.08	2.542

**Member Point Loads (BLC 32 : Ice Wind Load (120))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.004	6.458
2	MP ALPHA4	Y	.004	2.542
3	MP ALPHA4	X	-0.08	6.458
4	MP ALPHA4	X	-0.08	2.542
5	MP ALPHA2	Y	.004	6.458
6	MP ALPHA2	Y	.004	2.542
7	MP ALPHA2	X	-0.07	6.458
8	MP ALPHA2	X	-0.07	2.542
9	MP BETA2	Y	.005	6.458
10	MP BETA2	Y	.005	2.542
11	MP BETA2	X	-0.09	6.458
12	MP BETA2	X	-0.09	2.542
13	MP GAMMA2	Y	.004	6.458
14	MP GAMMA2	Y	.004	2.542





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**Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
15	MP GAMMA2	X	-.007	6.458
16	MP GAMMA2	X	-.007	2.542
17	MP ALPHA1	Y	.003	5.542
18	MP ALPHA1	Y	.003	3.458
19	MP ALPHA1	X	-.005	5.542
20	MP ALPHA1	X	-.005	3.458
21	MP BETA1	Y	.005	5.542
22	MP BETA1	Y	.005	3.458
23	MP BETA1	X	-.008	5.542
24	MP BETA1	X	-.008	3.458
25	MP GAMMA1	Y	.003	5.542
26	MP GAMMA1	Y	.003	3.458
27	MP GAMMA1	X	-.005	5.542
28	MP GAMMA1	X	-.005	3.458
29	MP ALPHA3	Y	.011	7.5
30	MP ALPHA3	Y	.011	1.5
31	MP ALPHA3	X	-.019	7.5
32	MP ALPHA3	X	-.019	1.5
33	MP BETA3	Y	.02	7.5
34	MP BETA3	Y	.02	1.5
35	MP BETA3	X	-.034	7.5
36	MP BETA3	X	-.034	1.5
37	MP GAMMA3	Y	.011	7.5
38	MP GAMMA3	Y	.011	1.5
39	MP GAMMA3	X	-.019	7.5
40	MP GAMMA3	X	-.019	1.5
41	MP ALPHA3	Y	.003	4.5
42	MP ALPHA3	X	-.006	4.5
43	MP BETA3	Y	.004	4.5
44	MP BETA3	X	-.006	4.5
45	MP GAMMA3	Y	.003	4.5
46	MP GAMMA3	X	-.006	4.5
47	MP ALPHA3	Y	.003	4.5
48	MP ALPHA3	X	-.006	4.5
49	MP BETA3	Y	.004	4.5
50	MP BETA3	X	-.007	4.5
51	MP GAMMA3	Y	.003	4.5
52	MP GAMMA3	X	-.006	4.5
53	DISH1	Y	.01	0
54	DISH1	X	.012	0
55	DISH1	Mz	0	0
56	MP GAMMA4	Y	.004	6.458
57	MP GAMMA4	Y	.004	2.542
58	MP GAMMA4	X	-.008	6.458
59	MP GAMMA4	X	-.008	2.542
60	MP BETA4	Y	.004	6.458
61	MP BETA4	Y	.004	2.542
62	MP BETA4	X	-.008	6.458
63	MP BETA4	X	-.008	2.542

**Member Point Loads (BLC 33 : Ice Wind Load (150))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.009	6.458
2	MP ALPHA4	Y	.009	2.542
3	MP ALPHA4	X	-.005	6.458
4	MP ALPHA4	X	-.005	2.542



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**Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
5	MP ALPHA2	Y	.008	6.458
6	MP ALPHA2	Y	.008	2.542
7	MP ALPHA2	X	-.005	6.458
8	MP ALPHA2	X	-.005	2.542
9	MP BETA2	Y	.008	6.458
10	MP BETA2	Y	.008	2.542
11	MP BETA2	X	-.005	6.458
12	MP BETA2	X	-.005	2.542
13	MP GAMMA2	Y	.007	6.458
14	MP GAMMA2	Y	.007	2.542
15	MP GAMMA2	X	-.004	6.458
16	MP GAMMA2	X	-.004	2.542
17	MP ALPHA1	Y	.007	5.542
18	MP ALPHA1	Y	.007	3.458
19	MP ALPHA1	X	-.004	5.542
20	MP ALPHA1	X	-.004	3.458
21	MP BETA1	Y	.007	5.542
22	MP BETA1	Y	.007	3.458
23	MP BETA1	X	-.004	5.542
24	MP BETA1	X	-.004	3.458
25	MP GAMMA1	Y	.004	5.542
26	MP GAMMA1	Y	.004	3.458
27	MP GAMMA1	X	-.002	5.542
28	MP GAMMA1	X	-.002	3.458
29	MP ALPHA3	Y	.029	7.5
30	MP ALPHA3	Y	.029	1.5
31	MP ALPHA3	X	-.017	7.5
32	MP ALPHA3	X	-.017	1.5
33	MP BETA3	Y	.029	7.5
34	MP BETA3	Y	.029	1.5
35	MP BETA3	X	-.017	7.5
36	MP BETA3	X	-.017	1.5
37	MP GAMMA3	Y	.014	7.5
38	MP GAMMA3	Y	.014	1.5
39	MP GAMMA3	X	-.008	7.5
40	MP GAMMA3	X	-.008	1.5
41	MP ALPHA3	Y	.006	4.5
42	MP ALPHA3	X	-.003	4.5
43	MP BETA3	Y	.006	4.5
44	MP BETA3	X	-.003	4.5
45	MP GAMMA3	Y	.005	4.5
46	MP GAMMA3	X	-.003	4.5
47	MP ALPHA3	Y	.007	4.5
48	MP ALPHA3	X	-.004	4.5
49	MP BETA3	Y	.007	4.5
50	MP BETA3	X	-.004	4.5
51	MP GAMMA3	Y	.006	4.5
52	MP GAMMA3	X	-.003	4.5
53	DISH1	Y	.018	0
54	DISH1	X	.01	0
55	DISH1	Mz	.005	0
56	MP GAMMA4	Y	.009	6.458
57	MP GAMMA4	Y	.009	2.542
58	MP GAMMA4	X	-.005	6.458
59	MP GAMMA4	X	-.005	2.542
60	MP BETA4	Y	.009	6.458
61	MP BETA4	Y	.009	2.542



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**Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
62	MP BETA4	X	-.005	6.458
63	MP BETA4	X	-.005	2.542

**Member Point Loads (BLC 34 : Ice Wind Load (180))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.011	6.458
2	MP ALPHA4	Y	.011	2.542
3	MP ALPHA2	Y	.01	6.458
4	MP ALPHA2	Y	.01	2.542
5	MP BETA2	Y	.008	6.458
6	MP BETA2	Y	.008	2.542
7	MP GAMMA2	Y	.008	6.458
8	MP GAMMA2	Y	.008	2.542
9	MP ALPHA1	Y	.009	5.542
10	MP ALPHA1	Y	.009	3.458
11	MP BETA1	Y	.006	5.542
12	MP BETA1	Y	.006	3.458
13	MP GAMMA1	Y	.006	5.542
14	MP GAMMA1	Y	.006	3.458
15	MP ALPHA3	Y	.04	7.5
16	MP ALPHA3	Y	.04	1.5
17	MP BETA3	Y	.022	7.5
18	MP BETA3	Y	.022	1.5
19	MP GAMMA3	Y	.022	7.5
20	MP GAMMA3	Y	.022	1.5
21	MP ALPHA3	Y	.007	4.5
22	MP BETA3	Y	.006	4.5
23	MP GAMMA3	Y	.006	4.5
24	MP ALPHA3	Y	.008	4.5
25	MP BETA3	Y	.007	4.5
26	MP GAMMA3	Y	.007	4.5
27	MP GAMMA4	Y	.011	6.458
28	MP GAMMA4	Y	.011	2.542
29	MP BETA4	Y	.011	6.458
30	MP BETA4	Y	.011	2.542

**Member Point Loads (BLC 35 : Ice Wind Load (210))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.009	6.458
2	MP ALPHA4	Y	.009	2.542
3	MP ALPHA4	X	.005	6.458
4	MP ALPHA4	X	.005	2.542
5	MP ALPHA2	Y	.008	6.458
6	MP ALPHA2	Y	.008	2.542
7	MP ALPHA2	X	.005	6.458
8	MP ALPHA2	X	.005	2.542
9	MP BETA2	Y	.007	6.458
10	MP BETA2	Y	.007	2.542
11	MP BETA2	X	.004	6.458
12	MP BETA2	X	.004	2.542
13	MP GAMMA2	Y	.008	6.458
14	MP GAMMA2	Y	.008	2.542
15	MP GAMMA2	X	.005	6.458
16	MP GAMMA2	X	.005	2.542
17	MP ALPHA1	Y	.007	5.542
18	MP ALPHA1	Y	.007	3.458



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**Member Point Loads (BLC 35 : Ice Wind Load (210)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
19	MP ALPHA1	X	.004	5.542
20	MP ALPHA1	X	.004	3.458
21	MP BETA1	Y	.004	5.542
22	MP BETA1	Y	.004	3.458
23	MP BETA1	X	.002	5.542
24	MP BETA1	X	.002	3.458
25	MP GAMMA1	Y	.007	5.542
26	MP GAMMA1	Y	.007	3.458
27	MP GAMMA1	X	.004	5.542
28	MP GAMMA1	X	.004	3.458
29	MP ALPHA3	Y	.029	7.5
30	MP ALPHA3	Y	.029	1.5
31	MP ALPHA3	X	.017	7.5
32	MP ALPHA3	X	.017	1.5
33	MP BETA3	Y	.014	7.5
34	MP BETA3	Y	.014	1.5
35	MP BETA3	X	.008	7.5
36	MP BETA3	X	.008	1.5
37	MP GAMMA3	Y	.029	7.5
38	MP GAMMA3	Y	.029	1.5
39	MP GAMMA3	X	.017	7.5
40	MP GAMMA3	X	.017	1.5
41	MP ALPHA3	Y	.006	4.5
42	MP ALPHA3	X	.003	4.5
43	MP BETA3	Y	.005	4.5
44	MP BETA3	X	.003	4.5
45	MP GAMMA3	Y	.006	4.5
46	MP GAMMA3	X	.003	4.5
47	MP ALPHA3	Y	.007	4.5
48	MP ALPHA3	X	.004	4.5
49	MP BETA3	Y	.006	4.5
50	MP BETA3	X	.003	4.5
51	MP GAMMA3	Y	.007	4.5
52	MP GAMMA3	X	.004	4.5
53	DISH1	Y	.018	0
54	DISH1	X	-.01	0
55	DISH1	Mz	-.005	0
56	MP GAMMA4	Y	.009	6.458
57	MP GAMMA4	Y	.009	2.542
58	MP GAMMA4	X	.005	6.458
59	MP GAMMA4	X	.005	2.542
60	MP BETA4	Y	.009	6.458
61	MP BETA4	Y	.009	2.542
62	MP BETA4	X	.005	6.458
63	MP BETA4	X	.005	2.542

**Member Point Loads (BLC 36 : Ice Wind Load (240))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	.004	6.458
2	MP ALPHA4	Y	.004	2.542
3	MP ALPHA4	X	.008	6.458
4	MP ALPHA4	X	.008	2.542
5	MP ALPHA2	Y	.004	6.458
6	MP ALPHA2	Y	.004	2.542
7	MP ALPHA2	X	.007	6.458
8	MP ALPHA2	X	.007	2.542



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**Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
9	MP BETA2	Y	.004	6.458
10	MP BETA2	Y	.004	2.542
11	MP BETA2	X	.007	6.458
12	MP BETA2	X	.007	2.542
13	MP GAMMA2	Y	.005	6.458
14	MP GAMMA2	Y	.005	2.542
15	MP GAMMA2	X	.009	6.458
16	MP GAMMA2	X	.009	2.542
17	MP ALPHA1	Y	.003	5.542
18	MP ALPHA1	Y	.003	3.458
19	MP ALPHA1	X	.005	5.542
20	MP ALPHA1	X	.005	3.458
21	MP BETA1	Y	.003	5.542
22	MP BETA1	Y	.003	3.458
23	MP BETA1	X	.005	5.542
24	MP BETA1	X	.005	3.458
25	MP GAMMA1	Y	.005	5.542
26	MP GAMMA1	Y	.005	3.458
27	MP GAMMA1	X	.008	5.542
28	MP GAMMA1	X	.008	3.458
29	MP ALPHA3	Y	.011	7.5
30	MP ALPHA3	Y	.011	1.5
31	MP ALPHA3	X	.019	7.5
32	MP ALPHA3	X	.019	1.5
33	MP BETA3	Y	.011	7.5
34	MP BETA3	Y	.011	1.5
35	MP BETA3	X	.019	7.5
36	MP BETA3	X	.019	1.5
37	MP GAMMA3	Y	.02	7.5
38	MP GAMMA3	Y	.02	1.5
39	MP GAMMA3	X	.034	7.5
40	MP GAMMA3	X	.034	1.5
41	MP ALPHA3	Y	.003	4.5
42	MP ALPHA3	X	.006	4.5
43	MP BETA3	Y	.003	4.5
44	MP BETA3	X	.006	4.5
45	MP GAMMA3	Y	.004	4.5
46	MP GAMMA3	X	.006	4.5
47	MP ALPHA3	Y	.003	4.5
48	MP ALPHA3	X	.006	4.5
49	MP BETA3	Y	.003	4.5
50	MP BETA3	X	.006	4.5
51	MP GAMMA3	Y	.004	4.5
52	MP GAMMA3	X	.007	4.5
53	DISH1	Y	.01	0
54	DISH1	X	-.012	0
55	DISH1	Mz	0	0
56	MP GAMMA4	Y	.004	6.458
57	MP GAMMA4	Y	.004	2.542
58	MP GAMMA4	X	.008	6.458
59	MP GAMMA4	X	.008	2.542
60	MP BETA4	Y	.004	6.458
61	MP BETA4	Y	.004	2.542
62	MP BETA4	X	.008	6.458
63	MP BETA4	X	.008	2.542



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**Member Point Loads (BLC 37 : Ice Wind Load (270))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	X	.008	6.458
2	MP ALPHA4	X	.008	2.542
3	MP ALPHA2	X	.008	6.458
4	MP ALPHA2	X	.008	2.542
5	MP BETA2	X	.01	6.458
6	MP BETA2	X	.01	2.542
7	MP GAMMA2	X	.01	6.458
8	MP GAMMA2	X	.01	2.542
9	MP ALPHA1	X	.005	5.542
10	MP ALPHA1	X	.005	3.458
11	MP BETA1	X	.008	5.542
12	MP BETA1	X	.008	3.458
13	MP GAMMA1	X	.008	5.542
14	MP GAMMA1	X	.008	3.458
15	MP ALPHA3	X	.016	7.5
16	MP ALPHA3	X	.016	1.5
17	MP BETA3	X	.034	7.5
18	MP BETA3	X	.034	1.5
19	MP GAMMA3	X	.034	7.5
20	MP GAMMA3	X	.034	1.5
21	MP ALPHA3	X	.006	4.5
22	MP BETA3	X	.007	4.5
23	MP GAMMA3	X	.007	4.5
24	MP ALPHA3	X	.007	4.5
25	MP BETA3	X	.008	4.5
26	MP GAMMA3	X	.008	4.5
27	DISH1	Y	.003	0
28	DISH1	X	-.009	0
29	DISH1	Mz	.008	0
30	MP GAMMA4	X	.008	6.458
31	MP GAMMA4	X	.008	2.542
32	MP BETA4	X	.008	6.458
33	MP BETA4	X	.008	2.542

**Member Point Loads (BLC 38 : Ice Wind Load (300))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.004	6.458
2	MP ALPHA4	Y	-.004	2.542
3	MP ALPHA4	X	.008	6.458
4	MP ALPHA4	X	.008	2.542
5	MP ALPHA2	Y	-.004	6.458
6	MP ALPHA2	Y	-.004	2.542
7	MP ALPHA2	X	.007	6.458
8	MP ALPHA2	X	.007	2.542
9	MP BETA2	Y	-.005	6.458
10	MP BETA2	Y	-.005	2.542
11	MP BETA2	X	.009	6.458
12	MP BETA2	X	.009	2.542
13	MP GAMMA2	Y	-.004	6.458
14	MP GAMMA2	Y	-.004	2.542
15	MP GAMMA2	X	.007	6.458
16	MP GAMMA2	X	.007	2.542
17	MP ALPHA1	Y	-.003	5.542
18	MP ALPHA1	Y	-.003	3.458
19	MP ALPHA1	X	.005	5.542
20	MP ALPHA1	X	.005	3.458



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**Member Point Loads (BLC 38 : Ice Wind Load (300)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
21	MP BETA1	Y	-.005	5.542
22	MP BETA1	Y	-.005	3.458
23	MP BETA1	X	.008	5.542
24	MP BETA1	X	.008	3.458
25	MP GAMMA1	Y	-.003	5.542
26	MP GAMMA1	Y	-.003	3.458
27	MP GAMMA1	X	.005	5.542
28	MP GAMMA1	X	.005	3.458
29	MP ALPHA3	Y	-.011	7.5
30	MP ALPHA3	Y	-.011	1.5
31	MP ALPHA3	X	.019	7.5
32	MP ALPHA3	X	.019	1.5
33	MP BETA3	Y	-.02	7.5
34	MP BETA3	Y	-.02	1.5
35	MP BETA3	X	.034	7.5
36	MP BETA3	X	.034	1.5
37	MP GAMMA3	Y	-.011	7.5
38	MP GAMMA3	Y	-.011	1.5
39	MP GAMMA3	X	.019	7.5
40	MP GAMMA3	X	.019	1.5
41	MP ALPHA3	Y	-.003	4.5
42	MP ALPHA3	X	.006	4.5
43	MP BETA3	Y	-.004	4.5
44	MP BETA3	X	.006	4.5
45	MP GAMMA3	Y	-.003	4.5
46	MP GAMMA3	X	.006	4.5
47	MP ALPHA3	Y	-.003	4.5
48	MP ALPHA3	X	.006	4.5
49	MP BETA3	Y	-.004	4.5
50	MP BETA3	X	.007	4.5
51	MP GAMMA3	Y	-.003	4.5
52	MP GAMMA3	X	.006	4.5
53	DISH1	Y	-.004	0
54	DISH1	X	-.008	0
55	DISH1	Mz	.008	0
56	MP GAMMA4	Y	-.004	6.458
57	MP GAMMA4	Y	-.004	2.542
58	MP GAMMA4	X	.008	6.458
59	MP GAMMA4	X	.008	2.542
60	MP BETA4	Y	-.004	6.458
61	MP BETA4	Y	-.004	2.542
62	MP BETA4	X	.008	6.458
63	MP BETA4	X	.008	2.542

**Member Point Loads (BLC 39 : Ice Wind Load (330))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-.009	6.458
2	MP ALPHA4	Y	-.009	2.542
3	MP ALPHA4	X	.005	6.458
4	MP ALPHA4	X	.005	2.542
5	MP ALPHA2	Y	-.008	6.458
6	MP ALPHA2	Y	-.008	2.542
7	MP ALPHA2	X	.005	6.458
8	MP ALPHA2	X	.005	2.542
9	MP BETA2	Y	-.008	6.458
10	MP BETA2	Y	-.008	2.542



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**Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
11	MP BETA2	X	.005	6.458
12	MP BETA2	X	.005	2.542
13	MP GAMMA2	Y	-.007	6.458
14	MP GAMMA2	Y	-.007	2.542
15	MP GAMMA2	X	.004	6.458
16	MP GAMMA2	X	.004	2.542
17	MP ALPHA1	Y	-.007	5.542
18	MP ALPHA1	Y	-.007	3.458
19	MP ALPHA1	X	.004	5.542
20	MP ALPHA1	X	.004	3.458
21	MP BETA1	Y	-.007	5.542
22	MP BETA1	Y	-.007	3.458
23	MP BETA1	X	.004	5.542
24	MP BETA1	X	.004	3.458
25	MP GAMMA1	Y	-.004	5.542
26	MP GAMMA1	Y	-.004	3.458
27	MP GAMMA1	X	.002	5.542
28	MP GAMMA1	X	.002	3.458
29	MP ALPHA3	Y	-.029	7.5
30	MP ALPHA3	Y	-.029	1.5
31	MP ALPHA3	X	.017	7.5
32	MP ALPHA3	X	.017	1.5
33	MP BETA3	Y	-.029	7.5
34	MP BETA3	Y	-.029	1.5
35	MP BETA3	X	.017	7.5
36	MP BETA3	X	.017	1.5
37	MP GAMMA3	Y	-.014	7.5
38	MP GAMMA3	Y	-.014	1.5
39	MP GAMMA3	X	.008	7.5
40	MP GAMMA3	X	.008	1.5
41	MP ALPHA3	Y	-.006	4.5
42	MP ALPHA3	X	.003	4.5
43	MP BETA3	Y	-.006	4.5
44	MP BETA3	X	.003	4.5
45	MP GAMMA3	Y	-.005	4.5
46	MP GAMMA3	X	.003	4.5
47	MP ALPHA3	Y	-.007	4.5
48	MP ALPHA3	X	.004	4.5
49	MP BETA3	Y	-.007	4.5
50	MP BETA3	X	.004	4.5
51	MP GAMMA3	Y	-.006	4.5
52	MP GAMMA3	X	.003	4.5
53	DISH1	Y	-.012	0
54	DISH1	X	-.006	0
55	DISH1	Mz	.003	0
56	MP GAMMA4	Y	-.009	6.458
57	MP GAMMA4	Y	-.009	2.542
58	MP GAMMA4	X	.005	6.458
59	MP GAMMA4	X	.005	2.542
60	MP BETA4	Y	-.009	6.458
61	MP BETA4	Y	-.009	2.542
62	MP BETA4	X	.005	6.458
63	MP BETA4	X	.005	2.542

**Member Point Loads (BLC 40 : Earthquake (x-direction))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
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**Member Point Loads (BLC 40 : Earthquake (x-direction)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	X	-0.06	6.458
2	MP ALPHA4	X	-0.06	2.542
3	MP ALPHA2	X	-0.04	6.458
4	MP ALPHA2	X	-0.04	2.542
5	MP BETA2	X	-0.04	6.458
6	MP BETA2	X	-0.04	2.542
7	MP GAMMA2	X	-0.04	6.458
8	MP GAMMA2	X	-0.04	2.542
9	MP ALPHA1	X	-0.05	5.542
10	MP ALPHA1	X	-0.05	3.458
11	MP BETA1	X	-0.05	5.542
12	MP BETA1	X	-0.05	3.458
13	MP GAMMA1	X	-0.05	5.542
14	MP GAMMA1	X	-0.05	3.458
15	MP ALPHA3	X	-0.07	7.5
16	MP ALPHA3	X	-0.07	1.5
17	MP BETA3	X	-0.07	7.5
18	MP BETA3	X	-0.07	1.5
19	MP GAMMA3	X	-0.07	7.5
20	MP GAMMA3	X	-0.07	1.5
21	MP ALPHA3	X	-0.04	4.5
22	MP BETA3	X	-0.04	4.5
23	MP GAMMA3	X	-0.04	4.5
24	MP ALPHA3	X	-0.04	4.5
25	MP BETA3	X	-0.04	4.5
26	MP GAMMA3	X	-0.04	4.5
27	DISH1	X	-0.02	0
28	MP GAMMA4	X	-0.06	6.458
29	MP GAMMA4	X	-0.06	2.542
30	MP BETA4	X	-0.06	6.458
31	MP BETA4	X	-0.06	2.542

**Member Point Loads (BLC 41 : Earthquake (y-direction))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Y	-0.06	6.458
2	MP ALPHA4	Y	-0.06	2.542
3	MP ALPHA2	Y	-0.04	6.458
4	MP ALPHA2	Y	-0.04	2.542
5	MP BETA2	Y	-0.04	6.458
6	MP BETA2	Y	-0.04	2.542
7	MP GAMMA2	Y	-0.04	6.458
8	MP GAMMA2	Y	-0.04	2.542
9	MP ALPHA1	Y	-0.05	5.542
10	MP ALPHA1	Y	-0.05	3.458
11	MP BETA1	Y	-0.05	5.542
12	MP BETA1	Y	-0.05	3.458
13	MP GAMMA1	Y	-0.05	5.542
14	MP GAMMA1	Y	-0.05	3.458
15	MP ALPHA3	Y	-0.07	7.5
16	MP ALPHA3	Y	-0.07	1.5
17	MP BETA3	Y	-0.07	7.5
18	MP BETA3	Y	-0.07	1.5
19	MP GAMMA3	Y	-0.07	7.5
20	MP GAMMA3	Y	-0.07	1.5
21	MP ALPHA3	Y	-0.04	4.5
22	MP BETA3	Y	-0.04	4.5



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**Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
23	MP GAMMA3	Y	-0.04	4.5
24	MP ALPHA3	Y	-0.04	4.5
25	MP BETA3	Y	-0.04	4.5
26	MP GAMMA3	Y	-0.04	4.5
27	DISH1	Y	-0.02	0
28	MP GAMMA4	Y	-0.06	6.458
29	MP GAMMA4	Y	-0.06	2.542
30	MP BETA4	Y	-0.06	6.458
31	MP BETA4	Y	-0.06	2.542

**Member Point Loads (BLC 42 : Earthquake (z-direction))**

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA4	Z	-0.03	6.458
2	MP ALPHA4	Z	-0.03	2.542
3	MP ALPHA2	Z	-0.02	6.458
4	MP ALPHA2	Z	-0.02	2.542
5	MP BETA2	Z	-0.02	6.458
6	MP BETA2	Z	-0.02	2.542
7	MP GAMMA2	Z	-0.02	6.458
8	MP GAMMA2	Z	-0.02	2.542
9	MP ALPHA1	Z	-0.02	5.542
10	MP ALPHA1	Z	-0.02	3.458
11	MP BETA1	Z	-0.02	5.542
12	MP BETA1	Z	-0.02	3.458
13	MP GAMMA1	Z	-0.02	5.542
14	MP GAMMA1	Z	-0.02	3.458
15	MP ALPHA3	Z	-0.03	7.5
16	MP ALPHA3	Z	-0.03	1.5
17	MP BETA3	Z	-0.03	7.5
18	MP BETA3	Z	-0.03	1.5
19	MP GAMMA3	Z	-0.03	7.5
20	MP GAMMA3	Z	-0.03	1.5
21	MP ALPHA3	Z	-0.02	4.5
22	MP BETA3	Z	-0.02	4.5
23	MP GAMMA3	Z	-0.02	4.5
24	MP ALPHA3	Z	-0.02	4.5
25	MP BETA3	Z	-0.02	4.5
26	MP GAMMA3	Z	-0.02	4.5
27	DISH1	Z	-0.01	0
28	MP GAMMA4	Z	-0.03	6.458
29	MP GAMMA4	Z	-0.03	2.542
30	MP BETA4	Z	-0.03	6.458
31	MP BETA4	Z	-0.03	2.542

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

	Member Label	Direction	Start Magnitude[k/ft,F,k/sf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.07	-0.07	0	0
2	SUP3A	PY	-0.07	-0.07	0	0
3	SUP2B	PY	-0.07	-0.07	0	0
4	SUP2A	PY	-0.07	-0.07	0	0
5	SUP1B	PY	-0.07	-0.07	0	0
6	SUP1A	PY	-0.07	-0.07	0	0
7	SO3	PY	-0.07	-0.07	0	0
8	SO2	PY	-0.07	-0.07	0	0
9	SO1	PY	-0.07	-0.07	0	0



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

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
10	PLATECORNER3C	PY	-0.02	-0.02	0	0
11	PLATECORNER3B	PY	-0.02	-0.02	0	0
12	PLATECORNER3A	PY	-0.02	-0.02	0	0
13	PLATECORNER2C	PY	-0.02	-0.02	0	0
14	PLATECORNER2B	PY	-0.02	-0.02	0	0
15	PLATECORNER2A	PY	-0.02	-0.02	0	0
16	PLATECORNER1C	PY	-0.01	-0.01	0	0
17	PLATECORNER1B	PY	-0.01	-0.01	0	0
18	PLATECORNER1A	PY	-0.01	-0.01	0	0
19	PLATE12	PY	-0.008	-0.008	0	0
20	PLATE11	PY	-0.008	-0.008	0	0
21	PLATE10	PY	-0.008	-0.008	0	0
22	PLATE9	PY	-0.008	-0.008	0	0
23	PLATE8	PY	-0.008	-0.008	0	0
24	PLATE7	PY	-0.008	-0.008	0	0
25	PLATE6	PY	-0.008	-0.008	0	0
26	PLATE5	PY	-0.008	-0.008	0	0
27	PLATE4	PY	-0.008	-0.008	0	0
28	PLATE3	PY	-0.008	-0.008	0	0
29	PLATE2	PY	-0.008	-0.008	0	0
30	PLATE1	PY	-0.008	-0.008	0	0
31	MP GAMMA3	PY	-0.008	-0.008	0	0
32	MP GAMMA2	PY	-0.008	-0.008	0	0
33	MP GAMMA1	PY	-0.008	-0.008	0	0
34	MP BETA3	PY	-0.008	-0.008	0	0
35	MP BETA2	PY	-0.008	-0.008	0	0
36	MP BETA1	PY	-0.008	-0.008	0	0
37	MP ALPHA3	PY	-0.008	-0.008	0	0
38	MP ALPHA2	PY	-0.008	-0.008	0	0
39	MP ALPHA1	PY	-0.008	-0.008	0	0
40	FACERAIL3	PY	-0.002	-0.002	0	0
41	FACERAIL2	PY	-0.002	-0.002	0	0
42	FACERAIL1	PY	-0.005	-0.005	0	0
43	FACEBOT3	PY	-0.003	-0.003	0	0
44	FACEBOT2	PY	-0.003	-0.003	0	0
45	FACEBOT1	PY	-0.007	-0.007	0	0
46	CR3B	PY	-0.007	-0.007	0	0
47	CR3A	PY	-0.007	-0.007	0	0
48	CR2B	PY	-0.007	-0.007	0	0
49	CR2A	PY	-0.007	-0.007	0	0
50	CR1B	PY	-0.007	-0.007	0	0
51	CR1A	PY	-0.007	-0.007	0	0
52	ANGLE3	PY	-0.014	-0.014	0	0
53	ANGLE2	PY	-0.014	-0.014	0	0
54	ANGLE1	PY	-0.007	-0.007	0	0
55	MP ALPHA4	PY	-0.008	-0.008	0	0
56	KICKER2	PY	-0.014	-0.014	0	0
57	KICKER1	PY	-0.014	-0.014	0	0
58	KICKER3	PY	-0.014	-0.014	0	0
59	MP BETA1	PY	-0.008	-0.008	0	0
60	MP BETA2	PY	-0.008	-0.008	0	0
61	MP GAMMA4	PY	-0.008	-0.008	0	0
62	MP BETA4	PY	-0.008	-0.008	0	0
63	MP GAMMA5	PY	-0.002	-0.002	0	0

**Member Distributed Loads (BLC 4 : Wind Load (30))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
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**Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
1	SUP3B	PY	-0.06	-0.06	0	0
2	SUP3A	PY	-0.06	-0.06	0	0
3	SUP2B	PY	-0.06	-0.06	0	0
4	SUP2A	PY	-0.06	-0.06	0	0
5	SUP1B	PY	-0.06	-0.06	0	0
6	SUP1A	PY	-0.06	-0.06	0	0
7	SO3	PY	-0.06	-0.06	0	0
8	SO2	PY	-0.06	-0.06	0	0
9	SO1	PY	-0.06	-0.06	0	0
10	PLATECORNER3C	PY	-0.02	-0.02	0	0
11	PLATECORNER3B	PY	-0.02	-0.02	0	0
12	PLATECORNER3A	PY	-0.02	-0.02	0	0
13	PLATECORNER2C	PY	-0.02	-0.02	0	0
14	PLATECORNER2B	PY	-0.02	-0.02	0	0
15	PLATECORNER2A	PY	-0.02	-0.02	0	0
16	PLATECORNER1C	PY	-0.0088	-0.0088	0	0
17	PLATECORNER1B	PY	-0.0088	-0.0088	0	0
18	PLATECORNER1A	PY	-0.0088	-0.0088	0	0
19	PLATE12	PY	-0.07	-0.07	0	0
20	PLATE11	PY	-0.07	-0.07	0	0
21	PLATE10	PY	-0.07	-0.07	0	0
22	PLATE9	PY	-0.07	-0.07	0	0
23	PLATE8	PY	-0.07	-0.07	0	0
24	PLATE7	PY	-0.07	-0.07	0	0
25	PLATE6	PY	-0.07	-0.07	0	0
26	PLATE5	PY	-0.07	-0.07	0	0
27	PLATE4	PY	-0.07	-0.07	0	0
28	PLATE3	PY	-0.07	-0.07	0	0
29	PLATE2	PY	-0.07	-0.07	0	0
30	PLATE1	PY	-0.07	-0.07	0	0
31	MP GAMMA3	PY	-0.07	-0.07	0	0
32	MP GAMMA2	PY	-0.07	-0.07	0	0
33	MP GAMMA1	PY	-0.07	-0.07	0	0
34	MP BETA3	PY	-0.07	-0.07	0	0
35	MP BETA2	PY	-0.07	-0.07	0	0
36	MP BETA1	PY	-0.07	-0.07	0	0
37	MP ALPHA3	PY	-0.07	-0.07	0	0
38	MP ALPHA2	PY	-0.07	-0.07	0	0
39	MP ALPHA1	PY	-0.07	-0.07	0	0
40	FACERAIL3	PY	-0.02	-0.02	0	0
41	FACERAIL2	PY	-0.02	-0.02	0	0
42	FACERAIL1	PY	-0.04	-0.04	0	0
43	FACEBOT3	PY	-0.03	-0.03	0	0
44	FACEBOT2	PY	-0.03	-0.03	0	0
45	FACEBOT1	PY	-0.06	-0.06	0	0
46	CR3B	PY	-0.06	-0.06	0	0
47	CR3A	PY	-0.06	-0.06	0	0
48	CR2B	PY	-0.06	-0.06	0	0
49	CR2A	PY	-0.06	-0.06	0	0
50	CR1B	PY	-0.06	-0.06	0	0
51	CR1A	PY	-0.06	-0.06	0	0
52	ANGLE3	PY	-0.12	-0.12	0	0
53	ANGLE2	PY	-0.12	-0.12	0	0
54	ANGLE1	PY	-0.06	-0.06	0	0
55	MP ALPHA4	PY	-0.07	-0.07	0	0
56	KICKER2	PY	-0.12	-0.12	0	0
57	KIKCER1	PY	-0.12	-0.12	0	0



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**Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
58	KICKER3	PY	-0.12	-0.12	0	0
59	MP BETA1	PY	-0.07	-0.07	0	0
60	MP BETA2	PY	-0.07	-0.07	0	0
61	SUP3B	PX	-0.03	-0.03	0	0
62	SUP3A	PX	-0.03	-0.03	0	0
63	SUP2B	PX	-0.03	-0.03	0	0
64	SUP2A	PX	-0.03	-0.03	0	0
65	SUP1B	PX	-0.03	-0.03	0	0
66	SUP1A	PX	-0.03	-0.03	0	0
67	SO3	PX	-0.03	-0.03	0	0
68	SO2	PX	-0.03	-0.03	0	0
69	SO1	PX	-0.03	-0.03	0	0
70	PLATECORNER3C	PX	-0.01	-0.01	0	0
71	PLATECORNER3B	PX	-0.01	-0.01	0	0
72	PLATECORNER3A	PX	-0.01	-0.01	0	0
73	PLATECORNER2C	PX	-0.01	-0.01	0	0
74	PLATECORNER2B	PX	-0.01	-0.01	0	0
75	PLATECORNER2A	PX	-0.01	-0.01	0	0
76	PLATECORNER1C	PX	-0.00508	-0.00508	0	0
77	PLATECORNER1B	PX	-0.00508	-0.00508	0	0
78	PLATECORNER1A	PX	-0.00508	-0.00508	0	0
79	PLATE12	PX	-0.04	-0.04	0	0
80	PLATE11	PX	-0.04	-0.04	0	0
81	PLATE10	PX	-0.04	-0.04	0	0
82	PLATE9	PX	-0.04	-0.04	0	0
83	PLATE8	PX	-0.04	-0.04	0	0
84	PLATE7	PX	-0.04	-0.04	0	0
85	PLATE6	PX	-0.04	-0.04	0	0
86	PLATE5	PX	-0.04	-0.04	0	0
87	PLATE4	PX	-0.04	-0.04	0	0
88	PLATE3	PX	-0.04	-0.04	0	0
89	PLATE2	PX	-0.04	-0.04	0	0
90	PLATE1	PX	-0.04	-0.04	0	0
91	MP GAMMA3	PX	-0.04	-0.04	0	0
92	MP GAMMA2	PX	-0.04	-0.04	0	0
93	MP GAMMA1	PX	-0.04	-0.04	0	0
94	MP BETA3	PX	-0.04	-0.04	0	0
95	MP BETA2	PX	-0.04	-0.04	0	0
96	MP BETA1	PX	-0.04	-0.04	0	0
97	MP ALPHA3	PX	-0.04	-0.04	0	0
98	MP ALPHA2	PX	-0.04	-0.04	0	0
99	MP ALPHA1	PX	-0.04	-0.04	0	0
100	FACERAIL3	PX	-0.01	-0.01	0	0
101	FACERAIL2	PX	-0.01	-0.01	0	0
102	FACERAIL1	PX	-0.02	-0.02	0	0
103	FACEBOT3	PX	-0.02	-0.02	0	0
104	FACEBOT2	PX	-0.02	-0.02	0	0
105	FACEBOT1	PX	-0.03	-0.03	0	0
106	CR3B	PX	-0.03	-0.03	0	0
107	CR3A	PX	-0.03	-0.03	0	0
108	CR2B	PX	-0.03	-0.03	0	0
109	CR2A	PX	-0.03	-0.03	0	0
110	CR1B	PX	-0.03	-0.03	0	0
111	CR1A	PX	-0.03	-0.03	0	0
112	ANGLE3	PX	-0.07	-0.07	0	0
113	ANGLE2	PX	-0.07	-0.07	0	0
114	ANGLE1	PX	-0.03	-0.03	0	0



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**Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
115	MP ALPHA4	PX	-0.04	-0.04	0	0
116	KICKER2	PX	-0.07	-0.07	0	0
117	KIKCER1	PX	-0.07	-0.07	0	0
118	KICKER3	PX	-0.07	-0.07	0	0
119	MP BETA1	PX	-0.04	-0.04	0	0
120	MP BETA2	PX	-0.04	-0.04	0	0
121	MP GAMMA4	PY	-0.07	-0.07	0	0
122	MP GAMMA4	PX	-0.04	-0.04	0	0
123	MP BETA4	PY	-0.07	-0.07	0	0
124	MP BETA4	PX	-0.04	-0.04	0	0
125	MP GAMMA5	PY	-0.02	-0.02	0	0
126	MP GAMMA5	PX	-0.01	-0.01	0	0

**Member Distributed Loads (BLC 5 : Wind Load (60))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-0.03	-0.03	0	0
2	SUP3A	PY	-0.03	-0.03	0	0
3	SUP2B	PY	-0.03	-0.03	0	0
4	SUP2A	PY	-0.03	-0.03	0	0
5	SUP1B	PY	-0.03	-0.03	0	0
6	SUP1A	PY	-0.03	-0.03	0	0
7	SO3	PY	-0.03	-0.03	0	0
8	SO2	PY	-0.03	-0.03	0	0
9	SO1	PY	-0.03	-0.03	0	0
10	PLATECORNER3C	PY	-0.01	-0.01	0	0
11	PLATECORNER3B	PY	-0.01	-0.01	0	0
12	PLATECORNER3A	PY	-0.01	-0.01	0	0
13	PLATECORNER2C	PY	-0.01	-0.01	0	0
14	PLATECORNER2B	PY	-0.01	-0.01	0	0
15	PLATECORNER2A	PY	-0.01	-0.01	0	0
16	PLATECORNER1C	PY	-0.00508	-0.00508	0	0
17	PLATECORNER1B	PY	-0.00508	-0.00508	0	0
18	PLATECORNER1A	PY	-0.00508	-0.00508	0	0
19	PLATE12	PY	-0.04	-0.04	0	0
20	PLATE11	PY	-0.04	-0.04	0	0
21	PLATE10	PY	-0.04	-0.04	0	0
22	PLATE9	PY	-0.04	-0.04	0	0
23	PLATE8	PY	-0.04	-0.04	0	0
24	PLATE7	PY	-0.04	-0.04	0	0
25	PLATE6	PY	-0.04	-0.04	0	0
26	PLATE5	PY	-0.04	-0.04	0	0
27	PLATE4	PY	-0.04	-0.04	0	0
28	PLATE3	PY	-0.04	-0.04	0	0
29	PLATE2	PY	-0.04	-0.04	0	0
30	PLATE1	PY	-0.04	-0.04	0	0
31	MP GAMMA3	PY	-0.04	-0.04	0	0
32	MP GAMMA2	PY	-0.04	-0.04	0	0
33	MP GAMMA1	PY	-0.04	-0.04	0	0
34	MP BETA3	PY	-0.04	-0.04	0	0
35	MP BETA2	PY	-0.04	-0.04	0	0
36	MP BETA1	PY	-0.04	-0.04	0	0
37	MP ALPHA3	PY	-0.04	-0.04	0	0
38	MP ALPHA2	PY	-0.04	-0.04	0	0
39	MP ALPHA1	PY	-0.04	-0.04	0	0
40	FACERAIL3	PY	-0.01	-0.01	0	0
41	FACERAIL2	PY	-0.01	-0.01	0	0



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**Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
42	FACERAIL1	PY	-0.02	-0.02	0	0
43	FACEBOT3	PY	-0.02	-0.02	0	0
44	FACEBOT2	PY	-0.02	-0.02	0	0
45	FACEBOT1	PY	-0.03	-0.03	0	0
46	CR3B	PY	-0.03	-0.03	0	0
47	CR3A	PY	-0.03	-0.03	0	0
48	CR2B	PY	-0.03	-0.03	0	0
49	CR2A	PY	-0.03	-0.03	0	0
50	CR1B	PY	-0.03	-0.03	0	0
51	CR1A	PY	-0.03	-0.03	0	0
52	ANGLE3	PY	-0.07	-0.07	0	0
53	ANGLE2	PY	-0.07	-0.07	0	0
54	ANGLE1	PY	-0.03	-0.03	0	0
55	MP ALPHA4	PY	-0.04	-0.04	0	0
56	KICKER2	PY	-0.07	-0.07	0	0
57	KICKER1	PY	-0.07	-0.07	0	0
58	KICKER3	PY	-0.07	-0.07	0	0
59	MP BETA1	PY	-0.04	-0.04	0	0
60	MP BETA2	PY	-0.04	-0.04	0	0
61	SUP3B	PX	-0.06	-0.06	0	0
62	SUP3A	PX	-0.06	-0.06	0	0
63	SUP2B	PX	-0.06	-0.06	0	0
64	SUP2A	PX	-0.06	-0.06	0	0
65	SUP1B	PX	-0.06	-0.06	0	0
66	SUP1A	PX	-0.06	-0.06	0	0
67	SO3	PX	-0.06	-0.06	0	0
68	SO2	PX	-0.06	-0.06	0	0
69	SO1	PX	-0.06	-0.06	0	0
70	PLATECORNER3C	PX	-0.02	-0.02	0	0
71	PLATECORNER3B	PX	-0.02	-0.02	0	0
72	PLATECORNER3A	PX	-0.02	-0.02	0	0
73	PLATECORNER2C	PX	-0.02	-0.02	0	0
74	PLATECORNER2B	PX	-0.02	-0.02	0	0
75	PLATECORNER2A	PX	-0.02	-0.02	0	0
76	PLATECORNER1C	PX	-0.0088	-0.0088	0	0
77	PLATECORNER1B	PX	-0.0088	-0.0088	0	0
78	PLATECORNER1A	PX	-0.0088	-0.0088	0	0
79	PLATE12	PX	-0.07	-0.07	0	0
80	PLATE11	PX	-0.07	-0.07	0	0
81	PLATE10	PX	-0.07	-0.07	0	0
82	PLATE9	PX	-0.07	-0.07	0	0
83	PLATE8	PX	-0.07	-0.07	0	0
84	PLATE7	PX	-0.07	-0.07	0	0
85	PLATE6	PX	-0.07	-0.07	0	0
86	PLATE5	PX	-0.07	-0.07	0	0
87	PLATE4	PX	-0.07	-0.07	0	0
88	PLATE3	PX	-0.07	-0.07	0	0
89	PLATE2	PX	-0.07	-0.07	0	0
90	PLATE1	PX	-0.07	-0.07	0	0
91	MP GAMMA3	PX	-0.07	-0.07	0	0
92	MP GAMMA2	PX	-0.07	-0.07	0	0
93	MP GAMMA1	PX	-0.07	-0.07	0	0
94	MP BETA3	PX	-0.07	-0.07	0	0
95	MP BETA2	PX	-0.07	-0.07	0	0
96	MP BETA1	PX	-0.07	-0.07	0	0
97	MP ALPHA3	PX	-0.07	-0.07	0	0
98	MP ALPHA2	PX	-0.07	-0.07	0	0



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**Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
99	MP ALPHA1	PX	-0.07	-0.07	0	0
100	FACERAIL3	PX	-0.02	-0.02	0	0
101	FACERAIL2	PX	-0.02	-0.02	0	0
102	FACERAIL1	PX	-0.04	-0.04	0	0
103	FACEBOT3	PX	-0.03	-0.03	0	0
104	FACEBOT2	PX	-0.03	-0.03	0	0
105	FACEBOT1	PX	-0.06	-0.06	0	0
106	CR3B	PX	-0.06	-0.06	0	0
107	CR3A	PX	-0.06	-0.06	0	0
108	CR2B	PX	-0.06	-0.06	0	0
109	CR2A	PX	-0.06	-0.06	0	0
110	CR1B	PX	-0.06	-0.06	0	0
111	CR1A	PX	-0.06	-0.06	0	0
112	ANGLE3	PX	-0.12	-0.12	0	0
113	ANGLE2	PX	-0.12	-0.12	0	0
114	ANGLE1	PX	-0.06	-0.06	0	0
115	MP ALPHA4	PX	-0.07	-0.07	0	0
116	KICKER2	PX	-0.12	-0.12	0	0
117	KIKCER1	PX	-0.12	-0.12	0	0
118	KICKER3	PX	-0.12	-0.12	0	0
119	MP BETA1	PX	-0.07	-0.07	0	0
120	MP BETA2	PX	-0.07	-0.07	0	0
121	MP GAMMA4	PY	-0.04	-0.04	0	0
122	MP GAMMA4	PX	-0.07	-0.07	0	0
123	MP BETA4	PY	-0.04	-0.04	0	0
124	MP BETA4	PX	-0.07	-0.07	0	0
125	MP GAMMA5	PY	-0.01	-0.01	0	0
126	MP GAMMA5	PX	-0.02	-0.02	0	0

**Member Distributed Loads (BLC 6 : Wind Load (90))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-0.07	-0.07	0	0
2	SUP3A	PX	-0.07	-0.07	0	0
3	SUP2B	PX	-0.07	-0.07	0	0
4	SUP2A	PX	-0.07	-0.07	0	0
5	SUP1B	PX	-0.07	-0.07	0	0
6	SUP1A	PX	-0.07	-0.07	0	0
7	SO3	PX	-0.07	-0.07	0	0
8	SO2	PX	-0.07	-0.07	0	0
9	SO1	PX	-0.07	-0.07	0	0
10	PLATECORNER3C	PX	-0.02	-0.02	0	0
11	PLATECORNER3B	PX	-0.02	-0.02	0	0
12	PLATECORNER3A	PX	-0.02	-0.02	0	0
13	PLATECORNER2C	PX	-0.02	-0.02	0	0
14	PLATECORNER2B	PX	-0.02	-0.02	0	0
15	PLATECORNER2A	PX	-0.02	-0.02	0	0
16	PLATECORNER1C	PX	-0.01	-0.01	0	0
17	PLATECORNER1B	PX	-0.01	-0.01	0	0
18	PLATECORNER1A	PX	-0.01	-0.01	0	0
19	PLATE12	PX	-0.08	-0.08	0	0
20	PLATE11	PX	-0.08	-0.08	0	0
21	PLATE10	PX	-0.08	-0.08	0	0
22	PLATE9	PX	-0.08	-0.08	0	0
23	PLATE8	PX	-0.08	-0.08	0	0
24	PLATE7	PX	-0.08	-0.08	0	0
25	PLATE6	PX	-0.08	-0.08	0	0





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**Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
26	PLATE5	PX	-.008	-.008	0	0
27	PLATE4	PX	-.008	-.008	0	0
28	PLATE3	PX	-.008	-.008	0	0
29	PLATE2	PX	-.008	-.008	0	0
30	PLATE1	PX	-.008	-.008	0	0
31	MP GAMMA3	PX	-.008	-.008	0	0
32	MP GAMMA2	PX	-.008	-.008	0	0
33	MP GAMMA1	PX	-.008	-.008	0	0
34	MP BETA3	PX	-.008	-.008	0	0
35	MP BETA2	PX	-.008	-.008	0	0
36	MP BETA1	PX	-.008	-.008	0	0
37	MP ALPHA3	PX	-.008	-.008	0	0
38	MP ALPHA2	PX	-.008	-.008	0	0
39	MP ALPHA1	PX	-.008	-.008	0	0
40	FACERAIL3	PX	-.002	-.002	0	0
41	FACERAIL2	PX	-.002	-.002	0	0
42	FACERAIL1	PX	-.005	-.005	0	0
43	FACEBOT3	PX	-.003	-.003	0	0
44	FACEBOT2	PX	-.003	-.003	0	0
45	FACEBOT1	PX	-.007	-.007	0	0
46	CR3B	PX	-.007	-.007	0	0
47	CR3A	PX	-.007	-.007	0	0
48	CR2B	PX	-.007	-.007	0	0
49	CR2A	PX	-.007	-.007	0	0
50	CR1B	PX	-.007	-.007	0	0
51	CR1A	PX	-.007	-.007	0	0
52	ANGLE3	PX	-.014	-.014	0	0
53	ANGLE2	PX	-.014	-.014	0	0
54	ANGLE1	PX	-.007	-.007	0	0
55	MP ALPHA4	PX	-.008	-.008	0	0
56	KICKER2	PX	-.014	-.014	0	0
57	KIKCER1	PX	-.014	-.014	0	0
58	KICKER3	PX	-.014	-.014	0	0
59	MP BETA1	PX	-.008	-.008	0	0
60	MP BETA2	PX	-.008	-.008	0	0
61	MP GAMMA4	PX	-.008	-.008	0	0
62	MP BETA4	PX	-.008	-.008	0	0
63	MP GAMMA5	PX	-.002	-.002	0	0

**Member Distributed Loads (BLC 7 : Wind Load (120))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.003	.003	0	0
2	SUP3A	PY	.003	.003	0	0
3	SUP2B	PY	.003	.003	0	0
4	SUP2A	PY	.003	.003	0	0
5	SUP1B	PY	.003	.003	0	0
6	SUP1A	PY	.003	.003	0	0
7	SO3	PY	.003	.003	0	0
8	SO2	PY	.003	.003	0	0
9	SO1	PY	.003	.003	0	0
10	PLATECORNER3C	PY	.001	.001	0	0
11	PLATECORNER3B	PY	.001	.001	0	0
12	PLATECORNER3A	PY	.001	.001	0	0
13	PLATECORNER2C	PY	.001	.001	0	0
14	PLATECORNER2B	PY	.001	.001	0	0
15	PLATECORNER2A	PY	.001	.001	0	0



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**Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
16	PLATECORNER1C	PY	.000508	.000508	0 0
17	PLATECORNER1B	PY	.000508	.000508	0 0
18	PLATECORNER1A	PY	.000508	.000508	0 0
19	PLATE12	PY	.004	.004	0 0
20	PLATE11	PY	.004	.004	0 0
21	PLATE10	PY	.004	.004	0 0
22	PLATE9	PY	.004	.004	0 0
23	PLATE8	PY	.004	.004	0 0
24	PLATE7	PY	.004	.004	0 0
25	PLATE6	PY	.004	.004	0 0
26	PLATE5	PY	.004	.004	0 0
27	PLATE4	PY	.004	.004	0 0
28	PLATE3	PY	.004	.004	0 0
29	PLATE2	PY	.004	.004	0 0
30	PLATE1	PY	.004	.004	0 0
31	MP GAMMA3	PY	.004	.004	0 0
32	MP GAMMA2	PY	.004	.004	0 0
33	MP GAMMA1	PY	.004	.004	0 0
34	MP BETA3	PY	.004	.004	0 0
35	MP BETA2	PY	.004	.004	0 0
36	MP BETA1	PY	.004	.004	0 0
37	MP ALPHA3	PY	.004	.004	0 0
38	MP ALPHA2	PY	.004	.004	0 0
39	MP ALPHA1	PY	.004	.004	0 0
40	FACERAIL3	PY	.001	.001	0 0
41	FACERAIL2	PY	.001	.001	0 0
42	FACERAIL1	PY	.002	.002	0 0
43	FACEBOT3	PY	.002	.002	0 0
44	FACEBOT2	PY	.002	.002	0 0
45	FACEBOT1	PY	.003	.003	0 0
46	CR3B	PY	.003	.003	0 0
47	CR3A	PY	.003	.003	0 0
48	CR2B	PY	.003	.003	0 0
49	CR2A	PY	.003	.003	0 0
50	CR1B	PY	.003	.003	0 0
51	CR1A	PY	.003	.003	0 0
52	ANGLE3	PY	.007	.007	0 0
53	ANGLE2	PY	.007	.007	0 0
54	ANGLE1	PY	.003	.003	0 0
55	MP ALPHA4	PY	.004	.004	0 0
56	KICKER2	PY	.007	.007	0 0
57	KIKCER1	PY	.007	.007	0 0
58	KICKER3	PY	.007	.007	0 0
59	MP BETA1	PY	.004	.004	0 0
60	MP BETA2	PY	.004	.004	0 0
61	SUP3B	PX	-.006	-.006	0 0
62	SUP3A	PX	-.006	-.006	0 0
63	SUP2B	PX	-.006	-.006	0 0
64	SUP2A	PX	-.006	-.006	0 0
65	SUP1B	PX	-.006	-.006	0 0
66	SUP1A	PX	-.006	-.006	0 0
67	SO3	PX	-.006	-.006	0 0
68	SO2	PX	-.006	-.006	0 0
69	SO1	PX	-.006	-.006	0 0
70	PLATECORNER3C	PX	-.002	-.002	0 0
71	PLATECORNER3B	PX	-.002	-.002	0 0
72	PLATECORNER3A	PX	-.002	-.002	0 0



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**Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
73	PLATECORNER2C	PX	-0.02	-0.02	0 0
74	PLATECORNER2B	PX	-0.02	-0.02	0 0
75	PLATECORNER2A	PX	-0.02	-0.02	0 0
76	PLATECORNER1C	PX	-0.00088	-0.00088	0 0
77	PLATECORNER1B	PX	-0.00088	-0.00088	0 0
78	PLATECORNER1A	PX	-0.00088	-0.00088	0 0
79	PLATE12	PX	-0.07	-0.07	0 0
80	PLATE11	PX	-0.07	-0.07	0 0
81	PLATE10	PX	-0.07	-0.07	0 0
82	PLATE9	PX	-0.07	-0.07	0 0
83	PLATE8	PX	-0.07	-0.07	0 0
84	PLATE7	PX	-0.07	-0.07	0 0
85	PLATE6	PX	-0.07	-0.07	0 0
86	PLATE5	PX	-0.07	-0.07	0 0
87	PLATE4	PX	-0.07	-0.07	0 0
88	PLATE3	PX	-0.07	-0.07	0 0
89	PLATE2	PX	-0.07	-0.07	0 0
90	PLATE1	PX	-0.07	-0.07	0 0
91	MP GAMMA3	PX	-0.07	-0.07	0 0
92	MP GAMMA2	PX	-0.07	-0.07	0 0
93	MP GAMMA1	PX	-0.07	-0.07	0 0
94	MP BETA3	PX	-0.07	-0.07	0 0
95	MP BETA2	PX	-0.07	-0.07	0 0
96	MP BETA1	PX	-0.07	-0.07	0 0
97	MP ALPHA3	PX	-0.07	-0.07	0 0
98	MP ALPHA2	PX	-0.07	-0.07	0 0
99	MP ALPHA1	PX	-0.07	-0.07	0 0
100	FACERAIL3	PX	-0.02	-0.02	0 0
101	FACERAIL2	PX	-0.02	-0.02	0 0
102	FACERAIL1	PX	-0.04	-0.04	0 0
103	FACEBOT3	PX	-0.03	-0.03	0 0
104	FACEBOT2	PX	-0.03	-0.03	0 0
105	FACEBOT1	PX	-0.06	-0.06	0 0
106	CR3B	PX	-0.06	-0.06	0 0
107	CR3A	PX	-0.06	-0.06	0 0
108	CR2B	PX	-0.06	-0.06	0 0
109	CR2A	PX	-0.06	-0.06	0 0
110	CR1B	PX	-0.06	-0.06	0 0
111	CR1A	PX	-0.06	-0.06	0 0
112	ANGLE3	PX	-0.12	-0.12	0 0
113	ANGLE2	PX	-0.12	-0.12	0 0
114	ANGLE1	PX	-0.06	-0.06	0 0
115	MP ALPHA4	PX	-0.07	-0.07	0 0
116	KICKER2	PX	-0.12	-0.12	0 0
117	KIKCER1	PX	-0.12	-0.12	0 0
118	KICKER3	PX	-0.12	-0.12	0 0
119	MP BETA1	PX	-0.07	-0.07	0 0
120	MP BETA2	PX	-0.07	-0.07	0 0
121	MP GAMMA4	PY	.004	.004	0 0
122	MP GAMMA4	PX	-0.07	-0.07	0 0
123	MP BETA4	PY	.004	.004	0 0
124	MP BETA4	PX	-0.07	-0.07	0 0
125	MP GAMMA5	PY	.001	.001	0 0
126	MP GAMMA5	PX	-0.02	-0.02	0 0

**Member Distributed Loads (BLC 8 : Wind Load (150))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
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**Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.006	.006	0 0
2	SUP3A	PY	.006	.006	0 0
3	SUP2B	PY	.006	.006	0 0
4	SUP2A	PY	.006	.006	0 0
5	SUP1B	PY	.006	.006	0 0
6	SUP1A	PY	.006	.006	0 0
7	SO3	PY	.006	.006	0 0
8	SO2	PY	.006	.006	0 0
9	SO1	PY	.006	.006	0 0
10	PLATECORNER3C	PY	.002	.002	0 0
11	PLATECORNER3B	PY	.002	.002	0 0
12	PLATECORNER3A	PY	.002	.002	0 0
13	PLATECORNER2C	PY	.002	.002	0 0
14	PLATECORNER2B	PY	.002	.002	0 0
15	PLATECORNER2A	PY	.002	.002	0 0
16	PLATECORNER1C	PY	.00088	.00088	0 0
17	PLATECORNER1B	PY	.00088	.00088	0 0
18	PLATECORNER1A	PY	.00088	.00088	0 0
19	PLATE12	PY	.007	.007	0 0
20	PLATE11	PY	.007	.007	0 0
21	PLATE10	PY	.007	.007	0 0
22	PLATE9	PY	.007	.007	0 0
23	PLATE8	PY	.007	.007	0 0
24	PLATE7	PY	.007	.007	0 0
25	PLATE6	PY	.007	.007	0 0
26	PLATE5	PY	.007	.007	0 0
27	PLATE4	PY	.007	.007	0 0
28	PLATE3	PY	.007	.007	0 0
29	PLATE2	PY	.007	.007	0 0
30	PLATE1	PY	.007	.007	0 0
31	MP GAMMA3	PY	.007	.007	0 0
32	MP GAMMA2	PY	.007	.007	0 0
33	MP GAMMA1	PY	.007	.007	0 0
34	MP BETA3	PY	.007	.007	0 0
35	MP BETA2	PY	.007	.007	0 0
36	MP BETA1	PY	.007	.007	0 0
37	MP ALPHA3	PY	.007	.007	0 0
38	MP ALPHA2	PY	.007	.007	0 0
39	MP ALPHA1	PY	.007	.007	0 0
40	FACERAIL3	PY	.002	.002	0 0
41	FACERAIL2	PY	.002	.002	0 0
42	FACERAIL1	PY	.004	.004	0 0
43	FACEBOT3	PY	.003	.003	0 0
44	FACEBOT2	PY	.003	.003	0 0
45	FACEBOT1	PY	.006	.006	0 0
46	CR3B	PY	.006	.006	0 0
47	CR3A	PY	.006	.006	0 0
48	CR2B	PY	.006	.006	0 0
49	CR2A	PY	.006	.006	0 0
50	CR1B	PY	.006	.006	0 0
51	CR1A	PY	.006	.006	0 0
52	ANGLE3	PY	.012	.012	0 0
53	ANGLE2	PY	.012	.012	0 0
54	ANGLE1	PY	.006	.006	0 0
55	MP ALPHA4	PY	.007	.007	0 0
56	KICKER2	PY	.012	.012	0 0
57	KIKCER1	PY	.012	.012	0 0



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**Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
58	KICKER3	PY	.012	.012	0	0
59	MP BETA1	PY	.007	.007	0	0
60	MP BETA2	PY	.007	.007	0	0
61	SUP3B	PX	-.003	-.003	0	0
62	SUP3A	PX	-.003	-.003	0	0
63	SUP2B	PX	-.003	-.003	0	0
64	SUP2A	PX	-.003	-.003	0	0
65	SUP1B	PX	-.003	-.003	0	0
66	SUP1A	PX	-.003	-.003	0	0
67	SO3	PX	-.003	-.003	0	0
68	SO2	PX	-.003	-.003	0	0
69	SO1	PX	-.003	-.003	0	0
70	PLATECORNER3C	PX	-.001	-.001	0	0
71	PLATECORNER3B	PX	-.001	-.001	0	0
72	PLATECORNER3A	PX	-.001	-.001	0	0
73	PLATECORNER2C	PX	-.001	-.001	0	0
74	PLATECORNER2B	PX	-.001	-.001	0	0
75	PLATECORNER2A	PX	-.001	-.001	0	0
76	PLATECORNER1C	PX	-.000508	-.000508	0	0
77	PLATECORNER1B	PX	-.000508	-.000508	0	0
78	PLATECORNER1A	PX	-.000508	-.000508	0	0
79	PLATE12	PX	-.004	-.004	0	0
80	PLATE11	PX	-.004	-.004	0	0
81	PLATE10	PX	-.004	-.004	0	0
82	PLATE9	PX	-.004	-.004	0	0
83	PLATE8	PX	-.004	-.004	0	0
84	PLATE7	PX	-.004	-.004	0	0
85	PLATE6	PX	-.004	-.004	0	0
86	PLATE5	PX	-.004	-.004	0	0
87	PLATE4	PX	-.004	-.004	0	0
88	PLATE3	PX	-.004	-.004	0	0
89	PLATE2	PX	-.004	-.004	0	0
90	PLATE1	PX	-.004	-.004	0	0
91	MP GAMMA3	PX	-.004	-.004	0	0
92	MP GAMMA2	PX	-.004	-.004	0	0
93	MP GAMMA1	PX	-.004	-.004	0	0
94	MP BETA3	PX	-.004	-.004	0	0
95	MP BETA2	PX	-.004	-.004	0	0
96	MP BETA1	PX	-.004	-.004	0	0
97	MP ALPHA3	PX	-.004	-.004	0	0
98	MP ALPHA2	PX	-.004	-.004	0	0
99	MP ALPHA1	PX	-.004	-.004	0	0
100	FACERAIL3	PX	-.001	-.001	0	0
101	FACERAIL2	PX	-.001	-.001	0	0
102	FACERAIL1	PX	-.002	-.002	0	0
103	FACEBOT3	PX	-.002	-.002	0	0
104	FACEBOT2	PX	-.002	-.002	0	0
105	FACEBOT1	PX	-.003	-.003	0	0
106	CR3B	PX	-.003	-.003	0	0
107	CR3A	PX	-.003	-.003	0	0
108	CR2B	PX	-.003	-.003	0	0
109	CR2A	PX	-.003	-.003	0	0
110	CR1B	PX	-.003	-.003	0	0
111	CR1A	PX	-.003	-.003	0	0
112	ANGLE3	PX	-.007	-.007	0	0
113	ANGLE2	PX	-.007	-.007	0	0
114	ANGLE1	PX	-.003	-.003	0	0



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**Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
115	MP ALPHA4	PX	-.004	-.004	0	0
116	KICKER2	PX	-.007	-.007	0	0
117	KIKCER1	PX	-.007	-.007	0	0
118	KICKER3	PX	-.007	-.007	0	0
119	MP BETA1	PX	-.004	-.004	0	0
120	MP BETA2	PX	-.004	-.004	0	0
121	MP GAMMA4	PY	.007	.007	0	0
122	MP GAMMA4	PX	-.004	-.004	0	0
123	MP BETA4	PY	.007	.007	0	0
124	MP BETA4	PX	-.004	-.004	0	0
125	MP GAMMA5	PY	.002	.002	0	0
126	MP GAMMA5	PX	-.001	-.001	0	0

**Member Distributed Loads (BLC 9 : Wind Load (180))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.007	.007	0	0
2	SUP3A	PY	.007	.007	0	0
3	SUP2B	PY	.007	.007	0	0
4	SUP2A	PY	.007	.007	0	0
5	SUP1B	PY	.007	.007	0	0
6	SUP1A	PY	.007	.007	0	0
7	SO3	PY	.007	.007	0	0
8	SO2	PY	.007	.007	0	0
9	SO1	PY	.007	.007	0	0
10	PLATECORNER3C	PY	.002	.002	0	0
11	PLATECORNER3B	PY	.002	.002	0	0
12	PLATECORNER3A	PY	.002	.002	0	0
13	PLATECORNER2C	PY	.002	.002	0	0
14	PLATECORNER2B	PY	.002	.002	0	0
15	PLATECORNER2A	PY	.002	.002	0	0
16	PLATECORNER1C	PY	.001	.001	0	0
17	PLATECORNER1B	PY	.001	.001	0	0
18	PLATECORNER1A	PY	.001	.001	0	0
19	PLATE12	PY	.008	.008	0	0
20	PLATE11	PY	.008	.008	0	0
21	PLATE10	PY	.008	.008	0	0
22	PLATE9	PY	.008	.008	0	0
23	PLATE8	PY	.008	.008	0	0
24	PLATE7	PY	.008	.008	0	0
25	PLATE6	PY	.008	.008	0	0
26	PLATE5	PY	.008	.008	0	0
27	PLATE4	PY	.008	.008	0	0
28	PLATE3	PY	.008	.008	0	0
29	PLATE2	PY	.008	.008	0	0
30	PLATE1	PY	.008	.008	0	0
31	MP GAMMA3	PY	.008	.008	0	0
32	MP GAMMA2	PY	.008	.008	0	0
33	MP GAMMA1	PY	.008	.008	0	0
34	MP BETA3	PY	.008	.008	0	0
35	MP BETA2	PY	.008	.008	0	0
36	MP BETA1	PY	.008	.008	0	0
37	MP ALPHA3	PY	.008	.008	0	0
38	MP ALPHA2	PY	.008	.008	0	0
39	MP ALPHA1	PY	.008	.008	0	0
40	FACERAIL3	PY	.002	.002	0	0
41	FACERAIL2	PY	.002	.002	0	0



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**Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
42	FACERAIL1	PY	.005	.005	0	0
43	FACEBOT3	PY	.003	.003	0	0
44	FACEBOT2	PY	.003	.003	0	0
45	FACEBOT1	PY	.007	.007	0	0
46	CR3B	PY	.007	.007	0	0
47	CR3A	PY	.007	.007	0	0
48	CR2B	PY	.007	.007	0	0
49	CR2A	PY	.007	.007	0	0
50	CR1B	PY	.007	.007	0	0
51	CR1A	PY	.007	.007	0	0
52	ANGLE3	PY	.014	.014	0	0
53	ANGLE2	PY	.014	.014	0	0
54	ANGLE1	PY	.007	.007	0	0
55	MP ALPHA4	PY	.008	.008	0	0
56	KICKER2	PY	.014	.014	0	0
57	KIKCER1	PY	.014	.014	0	0
58	KICKER3	PY	.014	.014	0	0
59	MP BETA1	PY	.008	.008	0	0
60	MP BETA2	PY	.008	.008	0	0
61	MP GAMMA4	PY	.008	.008	0	0
62	MP BETA4	PY	.008	.008	0	0
63	MP GAMMA5	PY	.002	.002	0	0

**Member Distributed Loads (BLC 10 : Wind Load (210))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.006	.006	0	0
2	SUP3A	PY	.006	.006	0	0
3	SUP2B	PY	.006	.006	0	0
4	SUP2A	PY	.006	.006	0	0
5	SUP1B	PY	.006	.006	0	0
6	SUP1A	PY	.006	.006	0	0
7	SO3	PY	.006	.006	0	0
8	SO2	PY	.006	.006	0	0
9	SO1	PY	.006	.006	0	0
10	PLATECORNER3C	PY	.002	.002	0	0
11	PLATECORNER3B	PY	.002	.002	0	0
12	PLATECORNER3A	PY	.002	.002	0	0
13	PLATECORNER2C	PY	.002	.002	0	0
14	PLATECORNER2B	PY	.002	.002	0	0
15	PLATECORNER2A	PY	.002	.002	0	0
16	PLATECORNER1C	PY	.00088	.00088	0	0
17	PLATECORNER1B	PY	.00088	.00088	0	0
18	PLATECORNER1A	PY	.00088	.00088	0	0
19	PLATE12	PY	.007	.007	0	0
20	PLATE11	PY	.007	.007	0	0
21	PLATE10	PY	.007	.007	0	0
22	PLATE9	PY	.007	.007	0	0
23	PLATE8	PY	.007	.007	0	0
24	PLATE7	PY	.007	.007	0	0
25	PLATE6	PY	.007	.007	0	0
26	PLATE5	PY	.007	.007	0	0
27	PLATE4	PY	.007	.007	0	0
28	PLATE3	PY	.007	.007	0	0
29	PLATE2	PY	.007	.007	0	0
30	PLATE1	PY	.007	.007	0	0
31	MP GAMMA3	PY	.007	.007	0	0



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**Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP GAMMA2	PY	.007	.007	0	0
33	MP GAMMA1	PY	.007	.007	0	0
34	MP BETA3	PY	.007	.007	0	0
35	MP BETA2	PY	.007	.007	0	0
36	MP BETA1	PY	.007	.007	0	0
37	MP ALPHA3	PY	.007	.007	0	0
38	MP ALPHA2	PY	.007	.007	0	0
39	MP ALPHA1	PY	.007	.007	0	0
40	FACERAIL3	PY	.002	.002	0	0
41	FACERAIL2	PY	.002	.002	0	0
42	FACERAIL1	PY	.004	.004	0	0
43	FACEBOT3	PY	.003	.003	0	0
44	FACEBOT2	PY	.003	.003	0	0
45	FACEBOT1	PY	.006	.006	0	0
46	CR3B	PY	.006	.006	0	0
47	CR3A	PY	.006	.006	0	0
48	CR2B	PY	.006	.006	0	0
49	CR2A	PY	.006	.006	0	0
50	CR1B	PY	.006	.006	0	0
51	CR1A	PY	.006	.006	0	0
52	ANGLE3	PY	.012	.012	0	0
53	ANGLE2	PY	.012	.012	0	0
54	ANGLE1	PY	.006	.006	0	0
55	MP ALPHA4	PY	.007	.007	0	0
56	KICKER2	PY	.012	.012	0	0
57	KICKER1	PY	.012	.012	0	0
58	KICKER3	PY	.012	.012	0	0
59	MP BETA1	PY	.007	.007	0	0
60	MP BETA2	PY	.007	.007	0	0
61	SUP3B	PX	.003	.003	0	0
62	SUP3A	PX	.003	.003	0	0
63	SUP2B	PX	.003	.003	0	0
64	SUP2A	PX	.003	.003	0	0
65	SUP1B	PX	.003	.003	0	0
66	SUP1A	PX	.003	.003	0	0
67	SO3	PX	.003	.003	0	0
68	SO2	PX	.003	.003	0	0
69	SO1	PX	.003	.003	0	0
70	PLATECORNER3C	PX	.001	.001	0	0
71	PLATECORNER3B	PX	.001	.001	0	0
72	PLATECORNER3A	PX	.001	.001	0	0
73	PLATECORNER2C	PX	.001	.001	0	0
74	PLATECORNER2B	PX	.001	.001	0	0
75	PLATECORNER2A	PX	.001	.001	0	0
76	PLATECORNER1C	PX	.000508	.000508	0	0
77	PLATECORNER1B	PX	.000508	.000508	0	0
78	PLATECORNER1A	PX	.000508	.000508	0	0
79	PLATE12	PX	.004	.004	0	0
80	PLATE11	PX	.004	.004	0	0
81	PLATE10	PX	.004	.004	0	0
82	PLATE9	PX	.004	.004	0	0
83	PLATE8	PX	.004	.004	0	0
84	PLATE7	PX	.004	.004	0	0
85	PLATE6	PX	.004	.004	0	0
86	PLATE5	PX	.004	.004	0	0
87	PLATE4	PX	.004	.004	0	0
88	PLATE3	PX	.004	.004	0	0





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**Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
89	PLATE2	PX	.004	.004	0	0
90	PLATE1	PX	.004	.004	0	0
91	MP GAMMA3	PX	.004	.004	0	0
92	MP GAMMA2	PX	.004	.004	0	0
93	MP GAMMA1	PX	.004	.004	0	0
94	MP BETA3	PX	.004	.004	0	0
95	MP BETA2	PX	.004	.004	0	0
96	MP BETA1	PX	.004	.004	0	0
97	MP ALPHA3	PX	.004	.004	0	0
98	MP ALPHA2	PX	.004	.004	0	0
99	MP ALPHA1	PX	.004	.004	0	0
100	FACERAIL3	PX	.001	.001	0	0
101	FACERAIL2	PX	.001	.001	0	0
102	FACERAIL1	PX	.002	.002	0	0
103	FACEBOT3	PX	.002	.002	0	0
104	FACEBOT2	PX	.002	.002	0	0
105	FACEBOT1	PX	.003	.003	0	0
106	CR3B	PX	.003	.003	0	0
107	CR3A	PX	.003	.003	0	0
108	CR2B	PX	.003	.003	0	0
109	CR2A	PX	.003	.003	0	0
110	CR1B	PX	.003	.003	0	0
111	CR1A	PX	.003	.003	0	0
112	ANGLE3	PX	.007	.007	0	0
113	ANGLE2	PX	.007	.007	0	0
114	ANGLE1	PX	.003	.003	0	0
115	MP ALPHA4	PX	.004	.004	0	0
116	KICKER2	PX	.007	.007	0	0
117	KIKCER1	PX	.007	.007	0	0
118	KICKER3	PX	.007	.007	0	0
119	MP BETA1	PX	.004	.004	0	0
120	MP BETA2	PX	.004	.004	0	0
121	MP GAMMA4	PY	.007	.007	0	0
122	MP GAMMA4	PX	.004	.004	0	0
123	MP BETA4	PY	.007	.007	0	0
124	MP BETA4	PX	.004	.004	0	0
125	MP GAMMA5	PY	.002	.002	0	0
126	MP GAMMA5	PX	.001	.001	0	0

**Member Distributed Loads (BLC 11 : Wind Load (240))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.003	.003	0	0
2	SUP3A	PY	.003	.003	0	0
3	SUP2B	PY	.003	.003	0	0
4	SUP2A	PY	.003	.003	0	0
5	SUP1B	PY	.003	.003	0	0
6	SUP1A	PY	.003	.003	0	0
7	SO3	PY	.003	.003	0	0
8	SO2	PY	.003	.003	0	0
9	SO1	PY	.003	.003	0	0
10	PLATECORNER3C	PY	.001	.001	0	0
11	PLATECORNER3B	PY	.001	.001	0	0
12	PLATECORNER3A	PY	.001	.001	0	0
13	PLATECORNER2C	PY	.001	.001	0	0
14	PLATECORNER2B	PY	.001	.001	0	0
15	PLATECORNER2A	PY	.001	.001	0	0



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**Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
16	PLATECORNER1C	PY	.000508	.000508	0 0
17	PLATECORNER1B	PY	.000508	.000508	0 0
18	PLATECORNER1A	PY	.000508	.000508	0 0
19	PLATE12	PY	.004	.004	0 0
20	PLATE11	PY	.004	.004	0 0
21	PLATE10	PY	.004	.004	0 0
22	PLATE9	PY	.004	.004	0 0
23	PLATE8	PY	.004	.004	0 0
24	PLATE7	PY	.004	.004	0 0
25	PLATE6	PY	.004	.004	0 0
26	PLATE5	PY	.004	.004	0 0
27	PLATE4	PY	.004	.004	0 0
28	PLATE3	PY	.004	.004	0 0
29	PLATE2	PY	.004	.004	0 0
30	PLATE1	PY	.004	.004	0 0
31	MP GAMMA3	PY	.004	.004	0 0
32	MP GAMMA2	PY	.004	.004	0 0
33	MP GAMMA1	PY	.004	.004	0 0
34	MP BETA3	PY	.004	.004	0 0
35	MP BETA2	PY	.004	.004	0 0
36	MP BETA1	PY	.004	.004	0 0
37	MP ALPHA3	PY	.004	.004	0 0
38	MP ALPHA2	PY	.004	.004	0 0
39	MP ALPHA1	PY	.004	.004	0 0
40	FACERAIL3	PY	.001	.001	0 0
41	FACERAIL2	PY	.001	.001	0 0
42	FACERAIL1	PY	.002	.002	0 0
43	FACEBOT3	PY	.002	.002	0 0
44	FACEBOT2	PY	.002	.002	0 0
45	FACEBOT1	PY	.003	.003	0 0
46	CR3B	PY	.003	.003	0 0
47	CR3A	PY	.003	.003	0 0
48	CR2B	PY	.003	.003	0 0
49	CR2A	PY	.003	.003	0 0
50	CR1B	PY	.003	.003	0 0
51	CR1A	PY	.003	.003	0 0
52	ANGLE3	PY	.007	.007	0 0
53	ANGLE2	PY	.007	.007	0 0
54	ANGLE1	PY	.003	.003	0 0
55	MP ALPHA4	PY	.004	.004	0 0
56	KICKER2	PY	.007	.007	0 0
57	KIKCER1	PY	.007	.007	0 0
58	KICKER3	PY	.007	.007	0 0
59	MP BETA1	PY	.004	.004	0 0
60	MP BETA2	PY	.004	.004	0 0
61	SUP3B	PX	.006	.006	0 0
62	SUP3A	PX	.006	.006	0 0
63	SUP2B	PX	.006	.006	0 0
64	SUP2A	PX	.006	.006	0 0
65	SUP1B	PX	.006	.006	0 0
66	SUP1A	PX	.006	.006	0 0
67	SO3	PX	.006	.006	0 0
68	SO2	PX	.006	.006	0 0
69	SO1	PX	.006	.006	0 0
70	PLATECORNER3C	PX	.002	.002	0 0
71	PLATECORNER3B	PX	.002	.002	0 0
72	PLATECORNER3A	PX	.002	.002	0 0



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**Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
73	PLATECORNER2C	PX	.002	.002	0 0
74	PLATECORNER2B	PX	.002	.002	0 0
75	PLATECORNER2A	PX	.002	.002	0 0
76	PLATECORNER1C	PX	.00088	.00088	0 0
77	PLATECORNER1B	PX	.00088	.00088	0 0
78	PLATECORNER1A	PX	.00088	.00088	0 0
79	PLATE12	PX	.007	.007	0 0
80	PLATE11	PX	.007	.007	0 0
81	PLATE10	PX	.007	.007	0 0
82	PLATE9	PX	.007	.007	0 0
83	PLATE8	PX	.007	.007	0 0
84	PLATE7	PX	.007	.007	0 0
85	PLATE6	PX	.007	.007	0 0
86	PLATE5	PX	.007	.007	0 0
87	PLATE4	PX	.007	.007	0 0
88	PLATE3	PX	.007	.007	0 0
89	PLATE2	PX	.007	.007	0 0
90	PLATE1	PX	.007	.007	0 0
91	MP GAMMA3	PX	.007	.007	0 0
92	MP GAMMA2	PX	.007	.007	0 0
93	MP GAMMA1	PX	.007	.007	0 0
94	MP BETA3	PX	.007	.007	0 0
95	MP BETA2	PX	.007	.007	0 0
96	MP BETA1	PX	.007	.007	0 0
97	MP ALPHA3	PX	.007	.007	0 0
98	MP ALPHA2	PX	.007	.007	0 0
99	MP ALPHA1	PX	.007	.007	0 0
100	FACERAIL3	PX	.002	.002	0 0
101	FACERAIL2	PX	.002	.002	0 0
102	FACERAIL1	PX	.004	.004	0 0
103	FACEBOT3	PX	.003	.003	0 0
104	FACEBOT2	PX	.003	.003	0 0
105	FACEBOT1	PX	.006	.006	0 0
106	CR3B	PX	.006	.006	0 0
107	CR3A	PX	.006	.006	0 0
108	CR2B	PX	.006	.006	0 0
109	CR2A	PX	.006	.006	0 0
110	CR1B	PX	.006	.006	0 0
111	CR1A	PX	.006	.006	0 0
112	ANGLE3	PX	.012	.012	0 0
113	ANGLE2	PX	.012	.012	0 0
114	ANGLE1	PX	.006	.006	0 0
115	MP ALPHA4	PX	.007	.007	0 0
116	KICKER2	PX	.012	.012	0 0
117	KIKCER1	PX	.012	.012	0 0
118	KICKER3	PX	.012	.012	0 0
119	MP BETA1	PX	.007	.007	0 0
120	MP BETA2	PX	.007	.007	0 0
121	MP GAMMA4	PY	.004	.004	0 0
122	MP GAMMA4	PX	.007	.007	0 0
123	MP BETA4	PY	.004	.004	0 0
124	MP BETA4	PX	.007	.007	0 0
125	MP GAMMA5	PY	.001	.001	0 0
126	MP GAMMA5	PX	.002	.002	0 0

**Member Distributed Loads (BLC 12 : Wind Load (270))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
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**Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)**

Member Label	Direction	Start Magnitude[k/f,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1 SUP3B	PX	.007	.007	0	0
2 SUP3A	PX	.007	.007	0	0
3 SUP2B	PX	.007	.007	0	0
4 SUP2A	PX	.007	.007	0	0
5 SUP1B	PX	.007	.007	0	0
6 SUP1A	PX	.007	.007	0	0
7 SO3	PX	.007	.007	0	0
8 SO2	PX	.007	.007	0	0
9 SO1	PX	.007	.007	0	0
10 PLATECORNER3C	PX	.002	.002	0	0
11 PLATECORNER3B	PX	.002	.002	0	0
12 PLATECORNER3A	PX	.002	.002	0	0
13 PLATECORNER2C	PX	.002	.002	0	0
14 PLATECORNER2B	PX	.002	.002	0	0
15 PLATECORNER2A	PX	.002	.002	0	0
16 PLATECORNER1C	PX	.001	.001	0	0
17 PLATECORNER1B	PX	.001	.001	0	0
18 PLATECORNER1A	PX	.001	.001	0	0
19 PLATE12	PX	.008	.008	0	0
20 PLATE11	PX	.008	.008	0	0
21 PLATE10	PX	.008	.008	0	0
22 PLATE9	PX	.008	.008	0	0
23 PLATE8	PX	.008	.008	0	0
24 PLATE7	PX	.008	.008	0	0
25 PLATE6	PX	.008	.008	0	0
26 PLATE5	PX	.008	.008	0	0
27 PLATE4	PX	.008	.008	0	0
28 PLATE3	PX	.008	.008	0	0
29 PLATE2	PX	.008	.008	0	0
30 PLATE1	PX	.008	.008	0	0
31 MP GAMMA3	PX	.008	.008	0	0
32 MP GAMMA2	PX	.008	.008	0	0
33 MP GAMMA1	PX	.008	.008	0	0
34 MP BETA3	PX	.008	.008	0	0
35 MP BETA2	PX	.008	.008	0	0
36 MP BETA1	PX	.008	.008	0	0
37 MP ALPHA3	PX	.008	.008	0	0
38 MP ALPHA2	PX	.008	.008	0	0
39 MP ALPHA1	PX	.008	.008	0	0
40 FACERAIL3	PX	.002	.002	0	0
41 FACERAIL2	PX	.002	.002	0	0
42 FACERAIL1	PX	.005	.005	0	0
43 FACEBOT3	PX	.003	.003	0	0
44 FACEBOT2	PX	.003	.003	0	0
45 FACEBOT1	PX	.007	.007	0	0
46 CR3B	PX	.007	.007	0	0
47 CR3A	PX	.007	.007	0	0
48 CR2B	PX	.007	.007	0	0
49 CR2A	PX	.007	.007	0	0
50 CR1B	PX	.007	.007	0	0
51 CR1A	PX	.007	.007	0	0
52 ANGLE3	PX	.014	.014	0	0
53 ANGLE2	PX	.014	.014	0	0
54 ANGLE1	PX	.007	.007	0	0
55 MP ALPHA4	PX	.008	.008	0	0
56 KICKER2	PX	.014	.014	0	0
57 KIKCER1	PX	.014	.014	0	0



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**Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
58	KICKER3	PX	.014	.014	0	0
59	MP BETA1	PX	.008	.008	0	0
60	MP BETA2	PX	.008	.008	0	0
61	MP GAMMA4	PX	.008	.008	0	0
62	MP BETA4	PX	.008	.008	0	0
63	MP GAMMA5	PX	.002	.002	0	0

**Member Distributed Loads (BLC 13 : Wind Load (300))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.003	-.003	0	0
2	SUP3A	PY	-.003	-.003	0	0
3	SUP2B	PY	-.003	-.003	0	0
4	SUP2A	PY	-.003	-.003	0	0
5	SUP1B	PY	-.003	-.003	0	0
6	SUP1A	PY	-.003	-.003	0	0
7	SO3	PY	-.003	-.003	0	0
8	SO2	PY	-.003	-.003	0	0
9	SO1	PY	-.003	-.003	0	0
10	PLATECORNER3C	PY	-.001	-.001	0	0
11	PLATECORNER3B	PY	-.001	-.001	0	0
12	PLATECORNER3A	PY	-.001	-.001	0	0
13	PLATECORNER2C	PY	-.001	-.001	0	0
14	PLATECORNER2B	PY	-.001	-.001	0	0
15	PLATECORNER2A	PY	-.001	-.001	0	0
16	PLATECORNER1C	PY	-.000508	-.000508	0	0
17	PLATECORNER1B	PY	-.000508	-.000508	0	0
18	PLATECORNER1A	PY	-.000508	-.000508	0	0
19	PLATE12	PY	-.004	-.004	0	0
20	PLATE11	PY	-.004	-.004	0	0
21	PLATE10	PY	-.004	-.004	0	0
22	PLATE9	PY	-.004	-.004	0	0
23	PLATE8	PY	-.004	-.004	0	0
24	PLATE7	PY	-.004	-.004	0	0
25	PLATE6	PY	-.004	-.004	0	0
26	PLATE5	PY	-.004	-.004	0	0
27	PLATE4	PY	-.004	-.004	0	0
28	PLATE3	PY	-.004	-.004	0	0
29	PLATE2	PY	-.004	-.004	0	0
30	PLATE1	PY	-.004	-.004	0	0
31	MP GAMMA3	PY	-.004	-.004	0	0
32	MP GAMMA2	PY	-.004	-.004	0	0
33	MP GAMMA1	PY	-.004	-.004	0	0
34	MP BETA3	PY	-.004	-.004	0	0
35	MP BETA2	PY	-.004	-.004	0	0
36	MP BETA1	PY	-.004	-.004	0	0
37	MP ALPHA3	PY	-.004	-.004	0	0
38	MP ALPHA2	PY	-.004	-.004	0	0
39	MP ALPHA1	PY	-.004	-.004	0	0
40	FACERAIL3	PY	-.001	-.001	0	0
41	FACERAIL2	PY	-.001	-.001	0	0
42	FACERAIL1	PY	-.002	-.002	0	0
43	FACEBOT3	PY	-.002	-.002	0	0
44	FACEBOT2	PY	-.002	-.002	0	0
45	FACEBOT1	PY	-.003	-.003	0	0
46	CR3B	PY	-.003	-.003	0	0
47	CR3A	PY	-.003	-.003	0	0



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**Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
48	CR2B	PY	-.003	-.003	0	0
49	CR2A	PY	-.003	-.003	0	0
50	CR1B	PY	-.003	-.003	0	0
51	CR1A	PY	-.003	-.003	0	0
52	ANGLE3	PY	-.007	-.007	0	0
53	ANGLE2	PY	-.007	-.007	0	0
54	ANGLE1	PY	-.003	-.003	0	0
55	MP ALPHA4	PY	-.004	-.004	0	0
56	KICKER2	PY	-.007	-.007	0	0
57	KIKCER1	PY	-.007	-.007	0	0
58	KICKER3	PY	-.007	-.007	0	0
59	MP BETA1	PY	-.004	-.004	0	0
60	MP BETA2	PY	-.004	-.004	0	0
61	SUP3B	PX	.006	.006	0	0
62	SUP3A	PX	.006	.006	0	0
63	SUP2B	PX	.006	.006	0	0
64	SUP2A	PX	.006	.006	0	0
65	SUP1B	PX	.006	.006	0	0
66	SUP1A	PX	.006	.006	0	0
67	SO3	PX	.006	.006	0	0
68	SO2	PX	.006	.006	0	0
69	SO1	PX	.006	.006	0	0
70	PLATECORNER3C	PX	.002	.002	0	0
71	PLATECORNER3B	PX	.002	.002	0	0
72	PLATECORNER3A	PX	.002	.002	0	0
73	PLATECORNER2C	PX	.002	.002	0	0
74	PLATECORNER2B	PX	.002	.002	0	0
75	PLATECORNER2A	PX	.002	.002	0	0
76	PLATECORNER1C	PX	.00088	.00088	0	0
77	PLATECORNER1B	PX	.00088	.00088	0	0
78	PLATECORNER1A	PX	.00088	.00088	0	0
79	PLATE12	PX	.007	.007	0	0
80	PLATE11	PX	.007	.007	0	0
81	PLATE10	PX	.007	.007	0	0
82	PLATE9	PX	.007	.007	0	0
83	PLATE8	PX	.007	.007	0	0
84	PLATE7	PX	.007	.007	0	0
85	PLATE6	PX	.007	.007	0	0
86	PLATE5	PX	.007	.007	0	0
87	PLATE4	PX	.007	.007	0	0
88	PLATE3	PX	.007	.007	0	0
89	PLATE2	PX	.007	.007	0	0
90	PLATE1	PX	.007	.007	0	0
91	MP GAMMA3	PX	.007	.007	0	0
92	MP GAMMA2	PX	.007	.007	0	0
93	MP GAMMA1	PX	.007	.007	0	0
94	MP BETA3	PX	.007	.007	0	0
95	MP BETA2	PX	.007	.007	0	0
96	MP BETA1	PX	.007	.007	0	0
97	MP ALPHA3	PX	.007	.007	0	0
98	MP ALPHA2	PX	.007	.007	0	0
99	MP ALPHA1	PX	.007	.007	0	0
100	FACERAIL3	PX	.002	.002	0	0
101	FACERAIL2	PX	.002	.002	0	0
102	FACERAIL1	PX	.004	.004	0	0
103	FACEBOT3	PX	.003	.003	0	0
104	FACEBOT2	PX	.003	.003	0	0



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**Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
105	FACEBOT1	PX	.006	.006	0	0
106	CR3B	PX	.006	.006	0	0
107	CR3A	PX	.006	.006	0	0
108	CR2B	PX	.006	.006	0	0
109	CR2A	PX	.006	.006	0	0
110	CR1B	PX	.006	.006	0	0
111	CR1A	PX	.006	.006	0	0
112	ANGLE3	PX	.012	.012	0	0
113	ANGLE2	PX	.012	.012	0	0
114	ANGLE1	PX	.006	.006	0	0
115	MP ALPHA4	PX	.007	.007	0	0
116	KICKER2	PX	.012	.012	0	0
117	KIKCER1	PX	.012	.012	0	0
118	KICKER3	PX	.012	.012	0	0
119	MP BETA1	PX	.007	.007	0	0
120	MP BETA2	PX	.007	.007	0	0
121	MP GAMMA4	PY	-.004	-.004	0	0
122	MP GAMMA4	PX	.007	.007	0	0
123	MP BETA4	PY	-.004	-.004	0	0
124	MP BETA4	PX	.007	.007	0	0
125	MP GAMMA5	PY	-.001	-.001	0	0
126	MP GAMMA5	PX	.002	.002	0	0

**Member Distributed Loads (BLC 14 : Wind Load (330))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.006	-.006	0	0
2	SUP3A	PY	-.006	-.006	0	0
3	SUP2B	PY	-.006	-.006	0	0
4	SUP2A	PY	-.006	-.006	0	0
5	SUP1B	PY	-.006	-.006	0	0
6	SUP1A	PY	-.006	-.006	0	0
7	SO3	PY	-.006	-.006	0	0
8	SO2	PY	-.006	-.006	0	0
9	SO1	PY	-.006	-.006	0	0
10	PLATECORNER3C	PY	-.002	-.002	0	0
11	PLATECORNER3B	PY	-.002	-.002	0	0
12	PLATECORNER3A	PY	-.002	-.002	0	0
13	PLATECORNER2C	PY	-.002	-.002	0	0
14	PLATECORNER2B	PY	-.002	-.002	0	0
15	PLATECORNER2A	PY	-.002	-.002	0	0
16	PLATECORNER1C	PY	-.00088	-.00088	0	0
17	PLATECORNER1B	PY	-.00088	-.00088	0	0
18	PLATECORNER1A	PY	-.00088	-.00088	0	0
19	PLATE12	PY	-.007	-.007	0	0
20	PLATE11	PY	-.007	-.007	0	0
21	PLATE10	PY	-.007	-.007	0	0
22	PLATE9	PY	-.007	-.007	0	0
23	PLATE8	PY	-.007	-.007	0	0
24	PLATE7	PY	-.007	-.007	0	0
25	PLATE6	PY	-.007	-.007	0	0
26	PLATE5	PY	-.007	-.007	0	0
27	PLATE4	PY	-.007	-.007	0	0
28	PLATE3	PY	-.007	-.007	0	0
29	PLATE2	PY	-.007	-.007	0	0
30	PLATE1	PY	-.007	-.007	0	0
31	MP GAMMA3	PY	-.007	-.007	0	0



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 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP GAMMA2	PY	-.007	-.007	0	0
33	MP GAMMA1	PY	-.007	-.007	0	0
34	MP BETA3	PY	-.007	-.007	0	0
35	MP BETA2	PY	-.007	-.007	0	0
36	MP BETA1	PY	-.007	-.007	0	0
37	MP ALPHA3	PY	-.007	-.007	0	0
38	MP ALPHA2	PY	-.007	-.007	0	0
39	MP ALPHA1	PY	-.007	-.007	0	0
40	FACERAIL3	PY	-.002	-.002	0	0
41	FACERAIL2	PY	-.002	-.002	0	0
42	FACERAIL1	PY	-.004	-.004	0	0
43	FACEBOT3	PY	-.003	-.003	0	0
44	FACEBOT2	PY	-.003	-.003	0	0
45	FACEBOT1	PY	-.006	-.006	0	0
46	CR3B	PY	-.006	-.006	0	0
47	CR3A	PY	-.006	-.006	0	0
48	CR2B	PY	-.006	-.006	0	0
49	CR2A	PY	-.006	-.006	0	0
50	CR1B	PY	-.006	-.006	0	0
51	CR1A	PY	-.006	-.006	0	0
52	ANGLE3	PY	-.012	-.012	0	0
53	ANGLE2	PY	-.012	-.012	0	0
54	ANGLE1	PY	-.006	-.006	0	0
55	MP ALPHA4	PY	-.007	-.007	0	0
56	KICKER2	PY	-.012	-.012	0	0
57	KICKER1	PY	-.012	-.012	0	0
58	KICKER3	PY	-.012	-.012	0	0
59	MP BETA1	PY	-.007	-.007	0	0
60	MP BETA2	PY	-.007	-.007	0	0
61	SUP3B	PX	.003	.003	0	0
62	SUP3A	PX	.003	.003	0	0
63	SUP2B	PX	.003	.003	0	0
64	SUP2A	PX	.003	.003	0	0
65	SUP1B	PX	.003	.003	0	0
66	SUP1A	PX	.003	.003	0	0
67	SO3	PX	.003	.003	0	0
68	SO2	PX	.003	.003	0	0
69	SO1	PX	.003	.003	0	0
70	PLATECORNER3C	PX	.001	.001	0	0
71	PLATECORNER3B	PX	.001	.001	0	0
72	PLATECORNER3A	PX	.001	.001	0	0
73	PLATECORNER2C	PX	.001	.001	0	0
74	PLATECORNER2B	PX	.001	.001	0	0
75	PLATECORNER2A	PX	.001	.001	0	0
76	PLATECORNER1C	PX	.000508	.000508	0	0
77	PLATECORNER1B	PX	.000508	.000508	0	0
78	PLATECORNER1A	PX	.000508	.000508	0	0
79	PLATE12	PX	.004	.004	0	0
80	PLATE11	PX	.004	.004	0	0
81	PLATE10	PX	.004	.004	0	0
82	PLATE9	PX	.004	.004	0	0
83	PLATE8	PX	.004	.004	0	0
84	PLATE7	PX	.004	.004	0	0
85	PLATE6	PX	.004	.004	0	0
86	PLATE5	PX	.004	.004	0	0
87	PLATE4	PX	.004	.004	0	0
88	PLATE3	PX	.004	.004	0	0





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**Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
89	PLATE2	PX	.004	.004	0	0
90	PLATE1	PX	.004	.004	0	0
91	MP GAMMA3	PX	.004	.004	0	0
92	MP GAMMA2	PX	.004	.004	0	0
93	MP GAMMA1	PX	.004	.004	0	0
94	MP BETA3	PX	.004	.004	0	0
95	MP BETA2	PX	.004	.004	0	0
96	MP BETA1	PX	.004	.004	0	0
97	MP ALPHA3	PX	.004	.004	0	0
98	MP ALPHA2	PX	.004	.004	0	0
99	MP ALPHA1	PX	.004	.004	0	0
100	FACERAIL3	PX	.001	.001	0	0
101	FACERAIL2	PX	.001	.001	0	0
102	FACERAIL1	PX	.002	.002	0	0
103	FACEBOT3	PX	.002	.002	0	0
104	FACEBOT2	PX	.002	.002	0	0
105	FACEBOT1	PX	.003	.003	0	0
106	CR3B	PX	.003	.003	0	0
107	CR3A	PX	.003	.003	0	0
108	CR2B	PX	.003	.003	0	0
109	CR2A	PX	.003	.003	0	0
110	CR1B	PX	.003	.003	0	0
111	CR1A	PX	.003	.003	0	0
112	ANGLE3	PX	.007	.007	0	0
113	ANGLE2	PX	.007	.007	0	0
114	ANGLE1	PX	.003	.003	0	0
115	MP ALPHA4	PX	.004	.004	0	0
116	KICKER2	PX	.007	.007	0	0
117	KIKCER1	PX	.007	.007	0	0
118	KICKER3	PX	.007	.007	0	0
119	MP BETA1	PX	.004	.004	0	0
120	MP BETA2	PX	.004	.004	0	0
121	MP GAMMA4	PY	-.007	-.007	0	0
122	MP GAMMA4	PX	.004	.004	0	0
123	MP BETA4	PY	-.007	-.007	0	0
124	MP BETA4	PX	.004	.004	0	0
125	MP GAMMA5	PY	-.002	-.002	0	0
126	MP GAMMA5	PX	.001	.001	0	0

**Member Distributed Loads (BLC 15 : Maintenance (0))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000361	-.000361	0	0
2	SUP3A	PY	-.000361	-.000361	0	0
3	SUP2B	PY	-.000361	-.000361	0	0
4	SUP2A	PY	-.000361	-.000361	0	0
5	SUP1B	PY	-.000361	-.000361	0	0
6	SUP1A	PY	-.000361	-.000361	0	0
7	SO3	PY	-.000361	-.000361	0	0
8	SO2	PY	-.000361	-.000361	0	0
9	SO1	PY	-.000361	-.000361	0	0
10	PLATECORNER3C	PY	-.000108	-.000108	0	0
11	PLATECORNER3B	PY	-.000108	-.000108	0	0
12	PLATECORNER3A	PY	-.000108	-.000108	0	0
13	PLATECORNER2C	PY	-.000108	-.000108	0	0
14	PLATECORNER2B	PY	-.000108	-.000108	0	0
15	PLATECORNER2A	PY	-.000108	-.000108	0	0



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**Member Distributed Loads (BLC 15 : Maintenance (0)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
16	PLATECORNER1C	PY	-5.4e-5	-5.4e-5	0	0
17	PLATECORNER1B	PY	-5.4e-5	-5.4e-5	0	0
18	PLATECORNER1A	PY	-5.4e-5	-5.4e-5	0	0
19	PLATE12	PY	-0.00433	-0.00433	0	0
20	PLATE11	PY	-0.00433	-0.00433	0	0
21	PLATE10	PY	-0.00433	-0.00433	0	0
22	PLATE9	PY	-0.00433	-0.00433	0	0
23	PLATE8	PY	-0.00433	-0.00433	0	0
24	PLATE7	PY	-0.00433	-0.00433	0	0
25	PLATE6	PY	-0.00433	-0.00433	0	0
26	PLATE5	PY	-0.00433	-0.00433	0	0
27	PLATE4	PY	-0.00433	-0.00433	0	0
28	PLATE3	PY	-0.00433	-0.00433	0	0
29	PLATE2	PY	-0.00433	-0.00433	0	0
30	PLATE1	PY	-0.00433	-0.00433	0	0
31	MP GAMMA3	PY	-0.00411	-0.00411	0	0
32	MP GAMMA2	PY	-0.00411	-0.00411	0	0
33	MP GAMMA1	PY	-0.00411	-0.00411	0	0
34	MP BETA3	PY	-0.00411	-0.00411	0	0
35	MP BETA2	PY	-0.00411	-0.00411	0	0
36	MP BETA1	PY	-0.00411	-0.00411	0	0
37	MP ALPHA3	PY	-0.00411	-0.00411	0	0
38	MP ALPHA2	PY	-0.00411	-0.00411	0	0
39	MP ALPHA1	PY	-0.00411	-0.00411	0	0
40	FACERAIL3	PY	-0.00121	-0.00121	0	0
41	FACERAIL2	PY	-0.00121	-0.00121	0	0
42	FACERAIL1	PY	-0.00243	-0.00243	0	0
43	FACEBOT3	PY	-0.00179	-0.00179	0	0
44	FACEBOT2	PY	-0.00179	-0.00179	0	0
45	FACEBOT1	PY	-0.00358	-0.00358	0	0
46	CR3B	PY	-0.00361	-0.00361	0	0
47	CR3A	PY	-0.00361	-0.00361	0	0
48	CR2B	PY	-0.00361	-0.00361	0	0
49	CR2A	PY	-0.00361	-0.00361	0	0
50	CR1B	PY	-0.00361	-0.00361	0	0
51	CR1A	PY	-0.00361	-0.00361	0	0
52	ANGLE3	PY	-0.00721	-0.00721	0	0
53	ANGLE2	PY	-0.00721	-0.00721	0	0
54	ANGLE1	PY	-0.00361	-0.00361	0	0
55	MP ALPHA4	PY	-0.00411	-0.00411	0	0
56	KICKER2	PY	-0.00721	-0.00721	0	0
57	KIKCER1	PY	-0.00721	-0.00721	0	0
58	KICKER3	PY	-0.00721	-0.00721	0	0
59	MP BETA1	PY	-0.00411	-0.00411	0	0
60	MP BETA2	PY	-0.00411	-0.00411	0	0
61	MP GAMMA4	PY	-0.00411	-0.00411	0	0
62	MP BETA4	PY	-0.00411	-0.00411	0	0
63	MP GAMMA5	PY	-0.00121	-0.00121	0	0

**Member Distributed Loads (BLC 16 : Maintenance (30))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
1	SUP3B	PY	-0.00312	-0.00312	0	0
2	SUP3A	PY	-0.00312	-0.00312	0	0
3	SUP2B	PY	-0.00312	-0.00312	0	0
4	SUP2A	PY	-0.00312	-0.00312	0	0
5	SUP1B	PY	-0.00312	-0.00312	0	0



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 Designer : UT  
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**Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
6	SUP1A	PY	-0.00312	-0.00312	0 0
7	SO3	PY	-0.00312	-0.00312	0 0
8	SO2	PY	-0.00312	-0.00312	0 0
9	SO1	PY	-0.00312	-0.00312	0 0
10	PLATECORNER3C	PY	-9.4e-5	-9.4e-5	0 0
11	PLATECORNER3B	PY	-9.4e-5	-9.4e-5	0 0
12	PLATECORNER3A	PY	-9.4e-5	-9.4e-5	0 0
13	PLATECORNER2C	PY	-9.4e-5	-9.4e-5	0 0
14	PLATECORNER2B	PY	-9.4e-5	-9.4e-5	0 0
15	PLATECORNER2A	PY	-9.4e-5	-9.4e-5	0 0
16	PLATECORNER1C	PY	-4.7e-5	-4.7e-5	0 0
17	PLATECORNER1B	PY	-4.7e-5	-4.7e-5	0 0
18	PLATECORNER1A	PY	-4.7e-5	-4.7e-5	0 0
19	PLATE12	PY	-0.00375	-0.00375	0 0
20	PLATE11	PY	-0.00375	-0.00375	0 0
21	PLATE10	PY	-0.00375	-0.00375	0 0
22	PLATE9	PY	-0.00375	-0.00375	0 0
23	PLATE8	PY	-0.00375	-0.00375	0 0
24	PLATE7	PY	-0.00375	-0.00375	0 0
25	PLATE6	PY	-0.00375	-0.00375	0 0
26	PLATE5	PY	-0.00375	-0.00375	0 0
27	PLATE4	PY	-0.00375	-0.00375	0 0
28	PLATE3	PY	-0.00375	-0.00375	0 0
29	PLATE2	PY	-0.00375	-0.00375	0 0
30	PLATE1	PY	-0.00375	-0.00375	0 0
31	MP GAMMA3	PY	-0.00356	-0.00356	0 0
32	MP GAMMA2	PY	-0.00356	-0.00356	0 0
33	MP GAMMA1	PY	-0.00356	-0.00356	0 0
34	MP BETA3	PY	-0.00356	-0.00356	0 0
35	MP BETA2	PY	-0.00356	-0.00356	0 0
36	MP BETA1	PY	-0.00356	-0.00356	0 0
37	MP ALPHA3	PY	-0.00356	-0.00356	0 0
38	MP ALPHA2	PY	-0.00356	-0.00356	0 0
39	MP ALPHA1	PY	-0.00356	-0.00356	0 0
40	FACERAIL3	PY	-0.00105	-0.00105	0 0
41	FACERAIL2	PY	-0.00105	-0.00105	0 0
42	FACERAIL1	PY	-0.0021	-0.0021	0 0
43	FACEBOT3	PY	-0.00155	-0.00155	0 0
44	FACEBOT2	PY	-0.00155	-0.00155	0 0
45	FACEBOT1	PY	-0.0031	-0.0031	0 0
46	CR3B	PY	-0.00312	-0.00312	0 0
47	CR3A	PY	-0.00312	-0.00312	0 0
48	CR2B	PY	-0.00312	-0.00312	0 0
49	CR2A	PY	-0.00312	-0.00312	0 0
50	CR1B	PY	-0.00312	-0.00312	0 0
51	CR1A	PY	-0.00312	-0.00312	0 0
52	ANGLE3	PY	-0.00625	-0.00625	0 0
53	ANGLE2	PY	-0.00625	-0.00625	0 0
54	ANGLE1	PY	-0.00312	-0.00312	0 0
55	MP ALPHA4	PY	-0.00356	-0.00356	0 0
56	KICKER2	PY	-0.00625	-0.00625	0 0
57	KIKCER1	PY	-0.00625	-0.00625	0 0
58	KICKER3	PY	-0.00625	-0.00625	0 0
59	MP BETA1	PY	-0.00356	-0.00356	0 0
60	MP BETA2	PY	-0.00356	-0.00356	0 0
61	SUP3B	PX	-0.0018	-0.0018	0 0
62	SUP3A	PX	-0.0018	-0.0018	0 0



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
63	SUP2B	PX	-0.0018	-0.0018	0 0
64	SUP2A	PX	-0.0018	-0.0018	0 0
65	SUP1B	PX	-0.0018	-0.0018	0 0
66	SUP1A	PX	-0.0018	-0.0018	0 0
67	SO3	PX	-0.0018	-0.0018	0 0
68	SO2	PX	-0.0018	-0.0018	0 0
69	SO1	PX	-0.0018	-0.0018	0 0
70	PLATECORNER3C	PX	-5.4e-5	-5.4e-5	0 0
71	PLATECORNER3B	PX	-5.4e-5	-5.4e-5	0 0
72	PLATECORNER3A	PX	-5.4e-5	-5.4e-5	0 0
73	PLATECORNER2C	PX	-5.4e-5	-5.4e-5	0 0
74	PLATECORNER2B	PX	-5.4e-5	-5.4e-5	0 0
75	PLATECORNER2A	PX	-5.4e-5	-5.4e-5	0 0
76	PLATECORNER1C	PX	-2.7e-5	-2.7e-5	0 0
77	PLATECORNER1B	PX	-2.7e-5	-2.7e-5	0 0
78	PLATECORNER1A	PX	-2.7e-5	-2.7e-5	0 0
79	PLATE12	PX	-0.00216	-0.00216	0 0
80	PLATE11	PX	-0.00216	-0.00216	0 0
81	PLATE10	PX	-0.00216	-0.00216	0 0
82	PLATE9	PX	-0.00216	-0.00216	0 0
83	PLATE8	PX	-0.00216	-0.00216	0 0
84	PLATE7	PX	-0.00216	-0.00216	0 0
85	PLATE6	PX	-0.00216	-0.00216	0 0
86	PLATE5	PX	-0.00216	-0.00216	0 0
87	PLATE4	PX	-0.00216	-0.00216	0 0
88	PLATE3	PX	-0.00216	-0.00216	0 0
89	PLATE2	PX	-0.00216	-0.00216	0 0
90	PLATE1	PX	-0.00216	-0.00216	0 0
91	MP GAMMA3	PX	-0.00206	-0.00206	0 0
92	MP GAMMA2	PX	-0.00206	-0.00206	0 0
93	MP GAMMA1	PX	-0.00206	-0.00206	0 0
94	MP BETA3	PX	-0.00206	-0.00206	0 0
95	MP BETA2	PX	-0.00206	-0.00206	0 0
96	MP BETA1	PX	-0.00206	-0.00206	0 0
97	MP ALPHA3	PX	-0.00206	-0.00206	0 0
98	MP ALPHA2	PX	-0.00206	-0.00206	0 0
99	MP ALPHA1	PX	-0.00206	-0.00206	0 0
100	FACERAIL3	PX	-6.1e-5	-6.1e-5	0 0
101	FACERAIL2	PX	-6.1e-5	-6.1e-5	0 0
102	FACERAIL1	PX	-0.00121	-0.00121	0 0
103	FACEBOT3	PX	-8.9e-5	-8.9e-5	0 0
104	FACEBOT2	PX	-8.9e-5	-8.9e-5	0 0
105	FACEBOT1	PX	-0.00179	-0.00179	0 0
106	CR3B	PX	-0.0018	-0.0018	0 0
107	CR3A	PX	-0.0018	-0.0018	0 0
108	CR2B	PX	-0.0018	-0.0018	0 0
109	CR2A	PX	-0.0018	-0.0018	0 0
110	CR1B	PX	-0.0018	-0.0018	0 0
111	CR1A	PX	-0.0018	-0.0018	0 0
112	ANGLE3	PX	-0.00361	-0.00361	0 0
113	ANGLE2	PX	-0.00361	-0.00361	0 0
114	ANGLE1	PX	-0.0018	-0.0018	0 0
115	MP ALPHA4	PX	-0.00206	-0.00206	0 0
116	KICKER2	PX	-0.00361	-0.00361	0 0
117	KIKCER1	PX	-0.00361	-0.00361	0 0
118	KICKER3	PX	-0.00361	-0.00361	0 0
119	MP BETA1	PX	-0.00206	-0.00206	0 0



Company : POD  
 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
120	MP BETA2	PX	-0.00206	-0.00206	0	0
121	MP GAMMA4	PY	-0.00356	-0.00356	0	0
122	MP GAMMA4	PX	-0.00206	-0.00206	0	0
123	MP BETA4	PY	-0.00356	-0.00356	0	0
124	MP BETA4	PX	-0.00206	-0.00206	0	0
125	MP GAMMA5	PY	-0.00105	-0.00105	0	0
126	MP GAMMA5	PX	-6.1e-5	-6.1e-5	0	0

**Member Distributed Loads (BLC 17 : Maintenance (60))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-0.0018	-0.0018	0	0
2	SUP3A	PY	-0.0018	-0.0018	0	0
3	SUP2B	PY	-0.0018	-0.0018	0	0
4	SUP2A	PY	-0.0018	-0.0018	0	0
5	SUP1B	PY	-0.0018	-0.0018	0	0
6	SUP1A	PY	-0.0018	-0.0018	0	0
7	SO3	PY	-0.0018	-0.0018	0	0
8	SO2	PY	-0.0018	-0.0018	0	0
9	SO1	PY	-0.0018	-0.0018	0	0
10	PLATECORNER3C	PY	-5.4e-5	-5.4e-5	0	0
11	PLATECORNER3B	PY	-5.4e-5	-5.4e-5	0	0
12	PLATECORNER3A	PY	-5.4e-5	-5.4e-5	0	0
13	PLATECORNER2C	PY	-5.4e-5	-5.4e-5	0	0
14	PLATECORNER2B	PY	-5.4e-5	-5.4e-5	0	0
15	PLATECORNER2A	PY	-5.4e-5	-5.4e-5	0	0
16	PLATECORNER1C	PY	-2.7e-5	-2.7e-5	0	0
17	PLATECORNER1B	PY	-2.7e-5	-2.7e-5	0	0
18	PLATECORNER1A	PY	-2.7e-5	-2.7e-5	0	0
19	PLATE12	PY	-0.00216	-0.00216	0	0
20	PLATE11	PY	-0.00216	-0.00216	0	0
21	PLATE10	PY	-0.00216	-0.00216	0	0
22	PLATE9	PY	-0.00216	-0.00216	0	0
23	PLATE8	PY	-0.00216	-0.00216	0	0
24	PLATE7	PY	-0.00216	-0.00216	0	0
25	PLATE6	PY	-0.00216	-0.00216	0	0
26	PLATE5	PY	-0.00216	-0.00216	0	0
27	PLATE4	PY	-0.00216	-0.00216	0	0
28	PLATE3	PY	-0.00216	-0.00216	0	0
29	PLATE2	PY	-0.00216	-0.00216	0	0
30	PLATE1	PY	-0.00216	-0.00216	0	0
31	MP GAMMA3	PY	-0.00206	-0.00206	0	0
32	MP GAMMA2	PY	-0.00206	-0.00206	0	0
33	MP GAMMA1	PY	-0.00206	-0.00206	0	0
34	MP BETA3	PY	-0.00206	-0.00206	0	0
35	MP BETA2	PY	-0.00206	-0.00206	0	0
36	MP BETA1	PY	-0.00206	-0.00206	0	0
37	MP ALPHA3	PY	-0.00206	-0.00206	0	0
38	MP ALPHA2	PY	-0.00206	-0.00206	0	0
39	MP ALPHA1	PY	-0.00206	-0.00206	0	0
40	FACERAIL3	PY	-6.1e-5	-6.1e-5	0	0
41	FACERAIL2	PY	-6.1e-5	-6.1e-5	0	0
42	FACERAIL1	PY	-0.00121	-0.00121	0	0
43	FACEBOT3	PY	-8.9e-5	-8.9e-5	0	0
44	FACEBOT2	PY	-8.9e-5	-8.9e-5	0	0
45	FACEBOT1	PY	-0.00179	-0.00179	0	0
46	CR3B	PY	-0.0018	-0.0018	0	0



Company : POD  
 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 17 : Maintenance (60)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
47	CR3A	PY	-0.0018	-0.0018	0 0
48	CR2B	PY	-0.0018	-0.0018	0 0
49	CR2A	PY	-0.0018	-0.0018	0 0
50	CR1B	PY	-0.0018	-0.0018	0 0
51	CR1A	PY	-0.0018	-0.0018	0 0
52	ANGLE3	PY	-0.00361	-0.00361	0 0
53	ANGLE2	PY	-0.00361	-0.00361	0 0
54	ANGLE1	PY	-0.0018	-0.0018	0 0
55	MP ALPHA4	PY	-0.00206	-0.00206	0 0
56	KICKER2	PY	-0.00361	-0.00361	0 0
57	KICKER1	PY	-0.00361	-0.00361	0 0
58	KICKER3	PY	-0.00361	-0.00361	0 0
59	MP BETA1	PY	-0.00206	-0.00206	0 0
60	MP BETA2	PY	-0.00206	-0.00206	0 0
61	SUP3B	PX	-0.00312	-0.00312	0 0
62	SUP3A	PX	-0.00312	-0.00312	0 0
63	SUP2B	PX	-0.00312	-0.00312	0 0
64	SUP2A	PX	-0.00312	-0.00312	0 0
65	SUP1B	PX	-0.00312	-0.00312	0 0
66	SUP1A	PX	-0.00312	-0.00312	0 0
67	SO3	PX	-0.00312	-0.00312	0 0
68	SO2	PX	-0.00312	-0.00312	0 0
69	SO1	PX	-0.00312	-0.00312	0 0
70	PLATECORNER3C	PX	-9.4e-5	-9.4e-5	0 0
71	PLATECORNER3B	PX	-9.4e-5	-9.4e-5	0 0
72	PLATECORNER3A	PX	-9.4e-5	-9.4e-5	0 0
73	PLATECORNER2C	PX	-9.4e-5	-9.4e-5	0 0
74	PLATECORNER2B	PX	-9.4e-5	-9.4e-5	0 0
75	PLATECORNER2A	PX	-9.4e-5	-9.4e-5	0 0
76	PLATECORNER1C	PX	-4.7e-5	-4.7e-5	0 0
77	PLATECORNER1B	PX	-4.7e-5	-4.7e-5	0 0
78	PLATECORNER1A	PX	-4.7e-5	-4.7e-5	0 0
79	PLATE12	PX	-0.00375	-0.00375	0 0
80	PLATE11	PX	-0.00375	-0.00375	0 0
81	PLATE10	PX	-0.00375	-0.00375	0 0
82	PLATE9	PX	-0.00375	-0.00375	0 0
83	PLATE8	PX	-0.00375	-0.00375	0 0
84	PLATE7	PX	-0.00375	-0.00375	0 0
85	PLATE6	PX	-0.00375	-0.00375	0 0
86	PLATE5	PX	-0.00375	-0.00375	0 0
87	PLATE4	PX	-0.00375	-0.00375	0 0
88	PLATE3	PX	-0.00375	-0.00375	0 0
89	PLATE2	PX	-0.00375	-0.00375	0 0
90	PLATE1	PX	-0.00375	-0.00375	0 0
91	MP GAMMA3	PX	-0.00356	-0.00356	0 0
92	MP GAMMA2	PX	-0.00356	-0.00356	0 0
93	MP GAMMA1	PX	-0.00356	-0.00356	0 0
94	MP BETA3	PX	-0.00356	-0.00356	0 0
95	MP BETA2	PX	-0.00356	-0.00356	0 0
96	MP BETA1	PX	-0.00356	-0.00356	0 0
97	MP ALPHA3	PX	-0.00356	-0.00356	0 0
98	MP ALPHA2	PX	-0.00356	-0.00356	0 0
99	MP ALPHA1	PX	-0.00356	-0.00356	0 0
100	FACERAIL3	PX	-0.00105	-0.00105	0 0
101	FACERAIL2	PX	-0.00105	-0.00105	0 0
102	FACERAIL1	PX	-0.0021	-0.0021	0 0
103	FACEBOT3	PX	-0.00155	-0.00155	0 0



Company : POD  
 Designer : UT  
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**Member Distributed Loads (BLC 17 : Maintenance (60)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
104	FACEBOT2	PX	-0.00155	-0.00155	0	0
105	FACEBOT1	PX	-0.00031	-0.00031	0	0
106	CR3B	PX	-0.000312	-0.000312	0	0
107	CR3A	PX	-0.000312	-0.000312	0	0
108	CR2B	PX	-0.000312	-0.000312	0	0
109	CR2A	PX	-0.000312	-0.000312	0	0
110	CR1B	PX	-0.000312	-0.000312	0	0
111	CR1A	PX	-0.000312	-0.000312	0	0
112	ANGLE3	PX	-0.000625	-0.000625	0	0
113	ANGLE2	PX	-0.000625	-0.000625	0	0
114	ANGLE1	PX	-0.000312	-0.000312	0	0
115	MP ALPHA4	PX	-0.000356	-0.000356	0	0
116	KICKER2	PX	-0.000625	-0.000625	0	0
117	KIKCER1	PX	-0.000625	-0.000625	0	0
118	KICKER3	PX	-0.000625	-0.000625	0	0
119	MP BETA1	PX	-0.000356	-0.000356	0	0
120	MP BETA2	PX	-0.000356	-0.000356	0	0
121	MP GAMMA4	PY	-0.000206	-0.000206	0	0
122	MP GAMMA4	PX	-0.000356	-0.000356	0	0
123	MP BETA4	PY	-0.000206	-0.000206	0	0
124	MP BETA4	PX	-0.000356	-0.000356	0	0
125	MP GAMMA5	PY	-6.1e-5	-6.1e-5	0	0
126	MP GAMMA5	PX	-0.00105	-0.00105	0	0

**Member Distributed Loads (BLC 18 : Maintenance (90))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-0.000361	-0.000361	0	0
2	SUP3A	PX	-0.000361	-0.000361	0	0
3	SUP2B	PX	-0.000361	-0.000361	0	0
4	SUP2A	PX	-0.000361	-0.000361	0	0
5	SUP1B	PX	-0.000361	-0.000361	0	0
6	SUP1A	PX	-0.000361	-0.000361	0	0
7	SO3	PX	-0.000361	-0.000361	0	0
8	SO2	PX	-0.000361	-0.000361	0	0
9	SO1	PX	-0.000361	-0.000361	0	0
10	PLATECORNER3C	PX	-0.000108	-0.000108	0	0
11	PLATECORNER3B	PX	-0.000108	-0.000108	0	0
12	PLATECORNER3A	PX	-0.000108	-0.000108	0	0
13	PLATECORNER2C	PX	-0.000108	-0.000108	0	0
14	PLATECORNER2B	PX	-0.000108	-0.000108	0	0
15	PLATECORNER2A	PX	-0.000108	-0.000108	0	0
16	PLATECORNER1C	PX	-5.4e-5	-5.4e-5	0	0
17	PLATECORNER1B	PX	-5.4e-5	-5.4e-5	0	0
18	PLATECORNER1A	PX	-5.4e-5	-5.4e-5	0	0
19	PLATE12	PX	-0.000433	-0.000433	0	0
20	PLATE11	PX	-0.000433	-0.000433	0	0
21	PLATE10	PX	-0.000433	-0.000433	0	0
22	PLATE9	PX	-0.000433	-0.000433	0	0
23	PLATE8	PX	-0.000433	-0.000433	0	0
24	PLATE7	PX	-0.000433	-0.000433	0	0
25	PLATE6	PX	-0.000433	-0.000433	0	0
26	PLATE5	PX	-0.000433	-0.000433	0	0
27	PLATE4	PX	-0.000433	-0.000433	0	0
28	PLATE3	PX	-0.000433	-0.000433	0	0
29	PLATE2	PX	-0.000433	-0.000433	0	0
30	PLATE1	PX	-0.000433	-0.000433	0	0



Company : POD  
 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 18 : Maintenance (90)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
31	MP GAMMA3	PX	-0.00411	-0.00411	0	0
32	MP GAMMA2	PX	-0.00411	-0.00411	0	0
33	MP GAMMA1	PX	-0.00411	-0.00411	0	0
34	MP BETA3	PX	-0.00411	-0.00411	0	0
35	MP BETA2	PX	-0.00411	-0.00411	0	0
36	MP BETA1	PX	-0.00411	-0.00411	0	0
37	MP ALPHA3	PX	-0.00411	-0.00411	0	0
38	MP ALPHA2	PX	-0.00411	-0.00411	0	0
39	MP ALPHA1	PX	-0.00411	-0.00411	0	0
40	FACERAIL3	PX	-0.00121	-0.00121	0	0
41	FACERAIL2	PX	-0.00121	-0.00121	0	0
42	FACERAIL1	PX	-0.00243	-0.00243	0	0
43	FACEBOT3	PX	-0.00179	-0.00179	0	0
44	FACEBOT2	PX	-0.00179	-0.00179	0	0
45	FACEBOT1	PX	-0.00358	-0.00358	0	0
46	CR3B	PX	-0.00361	-0.00361	0	0
47	CR3A	PX	-0.00361	-0.00361	0	0
48	CR2B	PX	-0.00361	-0.00361	0	0
49	CR2A	PX	-0.00361	-0.00361	0	0
50	CR1B	PX	-0.00361	-0.00361	0	0
51	CR1A	PX	-0.00361	-0.00361	0	0
52	ANGLE3	PX	-0.00721	-0.00721	0	0
53	ANGLE2	PX	-0.00721	-0.00721	0	0
54	ANGLE1	PX	-0.00361	-0.00361	0	0
55	MP ALPHA4	PX	-0.00411	-0.00411	0	0
56	KICKER2	PX	-0.00721	-0.00721	0	0
57	KICKER1	PX	-0.00721	-0.00721	0	0
58	KICKER3	PX	-0.00721	-0.00721	0	0
59	MP BETA1	PX	-0.00411	-0.00411	0	0
60	MP BETA2	PX	-0.00411	-0.00411	0	0
61	MP GAMMA4	PX	-0.00411	-0.00411	0	0
62	MP BETA4	PX	-0.00411	-0.00411	0	0
63	MP GAMMA5	PX	-0.00121	-0.00121	0	0

**Member Distributed Loads (BLC 19 : Maintenance (120))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
1	SUP3B	PY	.00018	.00018	0	0
2	SUP3A	PY	.00018	.00018	0	0
3	SUP2B	PY	.00018	.00018	0	0
4	SUP2A	PY	.00018	.00018	0	0
5	SUP1B	PY	.00018	.00018	0	0
6	SUP1A	PY	.00018	.00018	0	0
7	SO3	PY	.00018	.00018	0	0
8	SO2	PY	.00018	.00018	0	0
9	SO1	PY	.00018	.00018	0	0
10	PLATECORNER3C	PY	5.4e-5	5.4e-5	0	0
11	PLATECORNER3B	PY	5.4e-5	5.4e-5	0	0
12	PLATECORNER3A	PY	5.4e-5	5.4e-5	0	0
13	PLATECORNER2C	PY	5.4e-5	5.4e-5	0	0
14	PLATECORNER2B	PY	5.4e-5	5.4e-5	0	0
15	PLATECORNER2A	PY	5.4e-5	5.4e-5	0	0
16	PLATECORNER1C	PY	2.7e-5	2.7e-5	0	0
17	PLATECORNER1B	PY	2.7e-5	2.7e-5	0	0
18	PLATECORNER1A	PY	2.7e-5	2.7e-5	0	0
19	PLATE12	PY	.000216	.000216	0	0
20	PLATE11	PY	.000216	.000216	0	0





Company : POD  
 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
21	PLATE10	PY	.000216	.000216	0 0
22	PLATE9	PY	.000216	.000216	0 0
23	PLATE8	PY	.000216	.000216	0 0
24	PLATE7	PY	.000216	.000216	0 0
25	PLATE6	PY	.000216	.000216	0 0
26	PLATE5	PY	.000216	.000216	0 0
27	PLATE4	PY	.000216	.000216	0 0
28	PLATE3	PY	.000216	.000216	0 0
29	PLATE2	PY	.000216	.000216	0 0
30	PLATE1	PY	.000216	.000216	0 0
31	MP GAMMA3	PY	.000206	.000206	0 0
32	MP GAMMA2	PY	.000206	.000206	0 0
33	MP GAMMA1	PY	.000206	.000206	0 0
34	MP BETA3	PY	.000206	.000206	0 0
35	MP BETA2	PY	.000206	.000206	0 0
36	MP BETA1	PY	.000206	.000206	0 0
37	MP ALPHA3	PY	.000206	.000206	0 0
38	MP ALPHA2	PY	.000206	.000206	0 0
39	MP ALPHA1	PY	.000206	.000206	0 0
40	FACERAIL3	PY	6.1e-5	6.1e-5	0 0
41	FACERAIL2	PY	6.1e-5	6.1e-5	0 0
42	FACERAIL1	PY	.000121	.000121	0 0
43	FACEBOT3	PY	8.9e-5	8.9e-5	0 0
44	FACEBOT2	PY	8.9e-5	8.9e-5	0 0
45	FACEBOT1	PY	.000179	.000179	0 0
46	CR3B	PY	.00018	.00018	0 0
47	CR3A	PY	.00018	.00018	0 0
48	CR2B	PY	.00018	.00018	0 0
49	CR2A	PY	.00018	.00018	0 0
50	CR1B	PY	.00018	.00018	0 0
51	CR1A	PY	.00018	.00018	0 0
52	ANGLE3	PY	.000361	.000361	0 0
53	ANGLE2	PY	.000361	.000361	0 0
54	ANGLE1	PY	.00018	.00018	0 0
55	MP ALPHA4	PY	.000206	.000206	0 0
56	KICKER2	PY	.000361	.000361	0 0
57	KICKER1	PY	.000361	.000361	0 0
58	KICKER3	PY	.000361	.000361	0 0
59	MP BETA1	PY	.000206	.000206	0 0
60	MP BETA2	PY	.000206	.000206	0 0
61	SUP3B	PX	-.000312	-.000312	0 0
62	SUP3A	PX	-.000312	-.000312	0 0
63	SUP2B	PX	-.000312	-.000312	0 0
64	SUP2A	PX	-.000312	-.000312	0 0
65	SUP1B	PX	-.000312	-.000312	0 0
66	SUP1A	PX	-.000312	-.000312	0 0
67	SO3	PX	-.000312	-.000312	0 0
68	SO2	PX	-.000312	-.000312	0 0
69	SO1	PX	-.000312	-.000312	0 0
70	PLATECORNER3C	PX	-9.4e-5	-9.4e-5	0 0
71	PLATECORNER3B	PX	-9.4e-5	-9.4e-5	0 0
72	PLATECORNER3A	PX	-9.4e-5	-9.4e-5	0 0
73	PLATECORNER2C	PX	-9.4e-5	-9.4e-5	0 0
74	PLATECORNER2B	PX	-9.4e-5	-9.4e-5	0 0
75	PLATECORNER2A	PX	-9.4e-5	-9.4e-5	0 0
76	PLATECORNER1C	PX	-4.7e-5	-4.7e-5	0 0
77	PLATECORNER1B	PX	-4.7e-5	-4.7e-5	0 0



Company : POD  
 Designer : UT  
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**Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
78	PLATECORNER1A	PX	-4.7e-5	-4.7e-5	0	0
79	PLATE12	PX	-0.00375	-0.00375	0	0
80	PLATE11	PX	-0.00375	-0.00375	0	0
81	PLATE10	PX	-0.00375	-0.00375	0	0
82	PLATE9	PX	-0.00375	-0.00375	0	0
83	PLATE8	PX	-0.00375	-0.00375	0	0
84	PLATE7	PX	-0.00375	-0.00375	0	0
85	PLATE6	PX	-0.00375	-0.00375	0	0
86	PLATE5	PX	-0.00375	-0.00375	0	0
87	PLATE4	PX	-0.00375	-0.00375	0	0
88	PLATE3	PX	-0.00375	-0.00375	0	0
89	PLATE2	PX	-0.00375	-0.00375	0	0
90	PLATE1	PX	-0.00375	-0.00375	0	0
91	MP GAMMA3	PX	-0.00356	-0.00356	0	0
92	MP GAMMA2	PX	-0.00356	-0.00356	0	0
93	MP GAMMA1	PX	-0.00356	-0.00356	0	0
94	MP BETA3	PX	-0.00356	-0.00356	0	0
95	MP BETA2	PX	-0.00356	-0.00356	0	0
96	MP BETA1	PX	-0.00356	-0.00356	0	0
97	MP ALPHA3	PX	-0.00356	-0.00356	0	0
98	MP ALPHA2	PX	-0.00356	-0.00356	0	0
99	MP ALPHA1	PX	-0.00356	-0.00356	0	0
100	FACERAIL3	PX	-0.00105	-0.00105	0	0
101	FACERAIL2	PX	-0.00105	-0.00105	0	0
102	FACERAIL1	PX	-0.00021	-0.00021	0	0
103	FACEBOT3	PX	-0.00155	-0.00155	0	0
104	FACEBOT2	PX	-0.00155	-0.00155	0	0
105	FACEBOT1	PX	-0.00031	-0.00031	0	0
106	CR3B	PX	-0.000312	-0.000312	0	0
107	CR3A	PX	-0.000312	-0.000312	0	0
108	CR2B	PX	-0.000312	-0.000312	0	0
109	CR2A	PX	-0.000312	-0.000312	0	0
110	CR1B	PX	-0.000312	-0.000312	0	0
111	CR1A	PX	-0.000312	-0.000312	0	0
112	ANGLE3	PX	-0.000625	-0.000625	0	0
113	ANGLE2	PX	-0.000625	-0.000625	0	0
114	ANGLE1	PX	-0.000312	-0.000312	0	0
115	MP ALPHA4	PX	-0.000356	-0.000356	0	0
116	KICKER2	PX	-0.000625	-0.000625	0	0
117	KICKER1	PX	-0.000625	-0.000625	0	0
118	KICKER3	PX	-0.000625	-0.000625	0	0
119	MP BETA1	PX	-0.000356	-0.000356	0	0
120	MP BETA2	PX	-0.000356	-0.000356	0	0
121	MP GAMMA4	PY	.000206	.000206	0	0
122	MP GAMMA4	PX	-0.000356	-0.000356	0	0
123	MP BETA4	PY	.000206	.000206	0	0
124	MP BETA4	PX	-0.000356	-0.000356	0	0
125	MP GAMMA5	PY	6.1e-5	6.1e-5	0	0
126	MP GAMMA5	PX	-0.00105	-0.00105	0	0

**Member Distributed Loads (BLC 20 : Maintenance (150))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000312	.000312	0	0
2	SUP3A	PY	.000312	.000312	0	0
3	SUP2B	PY	.000312	.000312	0	0
4	SUP2A	PY	.000312	.000312	0	0



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 Designer : UT  
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**Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
5	SUP1B	PY	.000312	.000312	0 0
6	SUP1A	PY	.000312	.000312	0 0
7	SO3	PY	.000312	.000312	0 0
8	SO2	PY	.000312	.000312	0 0
9	SO1	PY	.000312	.000312	0 0
10	PLATECORNER3C	PY	9.4e-5	9.4e-5	0 0
11	PLATECORNER3B	PY	9.4e-5	9.4e-5	0 0
12	PLATECORNER3A	PY	9.4e-5	9.4e-5	0 0
13	PLATECORNER2C	PY	9.4e-5	9.4e-5	0 0
14	PLATECORNER2B	PY	9.4e-5	9.4e-5	0 0
15	PLATECORNER2A	PY	9.4e-5	9.4e-5	0 0
16	PLATECORNER1C	PY	4.7e-5	4.7e-5	0 0
17	PLATECORNER1B	PY	4.7e-5	4.7e-5	0 0
18	PLATECORNER1A	PY	4.7e-5	4.7e-5	0 0
19	PLATE12	PY	.000375	.000375	0 0
20	PLATE11	PY	.000375	.000375	0 0
21	PLATE10	PY	.000375	.000375	0 0
22	PLATE9	PY	.000375	.000375	0 0
23	PLATE8	PY	.000375	.000375	0 0
24	PLATE7	PY	.000375	.000375	0 0
25	PLATE6	PY	.000375	.000375	0 0
26	PLATE5	PY	.000375	.000375	0 0
27	PLATE4	PY	.000375	.000375	0 0
28	PLATE3	PY	.000375	.000375	0 0
29	PLATE2	PY	.000375	.000375	0 0
30	PLATE1	PY	.000375	.000375	0 0
31	MP GAMMA3	PY	.000356	.000356	0 0
32	MP GAMMA2	PY	.000356	.000356	0 0
33	MP GAMMA1	PY	.000356	.000356	0 0
34	MP BETA3	PY	.000356	.000356	0 0
35	MP BETA2	PY	.000356	.000356	0 0
36	MP BETA1	PY	.000356	.000356	0 0
37	MP ALPHA3	PY	.000356	.000356	0 0
38	MP ALPHA2	PY	.000356	.000356	0 0
39	MP ALPHA1	PY	.000356	.000356	0 0
40	FACERAIL3	PY	.000105	.000105	0 0
41	FACERAIL2	PY	.000105	.000105	0 0
42	FACERAIL1	PY	.00021	.00021	0 0
43	FACEBOT3	PY	.000155	.000155	0 0
44	FACEBOT2	PY	.000155	.000155	0 0
45	FACEBOT1	PY	.00031	.00031	0 0
46	CR3B	PY	.000312	.000312	0 0
47	CR3A	PY	.000312	.000312	0 0
48	CR2B	PY	.000312	.000312	0 0
49	CR2A	PY	.000312	.000312	0 0
50	CR1B	PY	.000312	.000312	0 0
51	CR1A	PY	.000312	.000312	0 0
52	ANGLE3	PY	.000625	.000625	0 0
53	ANGLE2	PY	.000625	.000625	0 0
54	ANGLE1	PY	.000312	.000312	0 0
55	MP ALPHA4	PY	.000356	.000356	0 0
56	KICKER2	PY	.000625	.000625	0 0
57	KICKER1	PY	.000625	.000625	0 0
58	KICKER3	PY	.000625	.000625	0 0
59	MP BETA1	PY	.000356	.000356	0 0
60	MP BETA2	PY	.000356	.000356	0 0
61	SUP3B	PX	-.00018	-.00018	0 0



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**Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
62	SUP3A	PX	-0.0018	-0.0018	0 0
63	SUP2B	PX	-0.0018	-0.0018	0 0
64	SUP2A	PX	-0.0018	-0.0018	0 0
65	SUP1B	PX	-0.0018	-0.0018	0 0
66	SUP1A	PX	-0.0018	-0.0018	0 0
67	SO3	PX	-0.0018	-0.0018	0 0
68	SO2	PX	-0.0018	-0.0018	0 0
69	SO1	PX	-0.0018	-0.0018	0 0
70	PLATECORNER3C	PX	-5.4e-5	-5.4e-5	0 0
71	PLATECORNER3B	PX	-5.4e-5	-5.4e-5	0 0
72	PLATECORNER3A	PX	-5.4e-5	-5.4e-5	0 0
73	PLATECORNER2C	PX	-5.4e-5	-5.4e-5	0 0
74	PLATECORNER2B	PX	-5.4e-5	-5.4e-5	0 0
75	PLATECORNER2A	PX	-5.4e-5	-5.4e-5	0 0
76	PLATECORNER1C	PX	-2.7e-5	-2.7e-5	0 0
77	PLATECORNER1B	PX	-2.7e-5	-2.7e-5	0 0
78	PLATECORNER1A	PX	-2.7e-5	-2.7e-5	0 0
79	PLATE12	PX	-0.00216	-0.00216	0 0
80	PLATE11	PX	-0.00216	-0.00216	0 0
81	PLATE10	PX	-0.00216	-0.00216	0 0
82	PLATE9	PX	-0.00216	-0.00216	0 0
83	PLATE8	PX	-0.00216	-0.00216	0 0
84	PLATE7	PX	-0.00216	-0.00216	0 0
85	PLATE6	PX	-0.00216	-0.00216	0 0
86	PLATE5	PX	-0.00216	-0.00216	0 0
87	PLATE4	PX	-0.00216	-0.00216	0 0
88	PLATE3	PX	-0.00216	-0.00216	0 0
89	PLATE2	PX	-0.00216	-0.00216	0 0
90	PLATE1	PX	-0.00216	-0.00216	0 0
91	MP GAMMA3	PX	-0.00206	-0.00206	0 0
92	MP GAMMA2	PX	-0.00206	-0.00206	0 0
93	MP GAMMA1	PX	-0.00206	-0.00206	0 0
94	MP BETA3	PX	-0.00206	-0.00206	0 0
95	MP BETA2	PX	-0.00206	-0.00206	0 0
96	MP BETA1	PX	-0.00206	-0.00206	0 0
97	MP ALPHA3	PX	-0.00206	-0.00206	0 0
98	MP ALPHA2	PX	-0.00206	-0.00206	0 0
99	MP ALPHA1	PX	-0.00206	-0.00206	0 0
100	FACERAIL3	PX	-6.1e-5	-6.1e-5	0 0
101	FACERAIL2	PX	-6.1e-5	-6.1e-5	0 0
102	FACERAIL1	PX	-0.00121	-0.00121	0 0
103	FACEBOT3	PX	-8.9e-5	-8.9e-5	0 0
104	FACEBOT2	PX	-8.9e-5	-8.9e-5	0 0
105	FACEBOT1	PX	-0.00179	-0.00179	0 0
106	CR3B	PX	-0.0018	-0.0018	0 0
107	CR3A	PX	-0.0018	-0.0018	0 0
108	CR2B	PX	-0.0018	-0.0018	0 0
109	CR2A	PX	-0.0018	-0.0018	0 0
110	CR1B	PX	-0.0018	-0.0018	0 0
111	CR1A	PX	-0.0018	-0.0018	0 0
112	ANGLE3	PX	-0.00361	-0.00361	0 0
113	ANGLE2	PX	-0.00361	-0.00361	0 0
114	ANGLE1	PX	-0.0018	-0.0018	0 0
115	MP ALPHA4	PX	-0.00206	-0.00206	0 0
116	KICKER2	PX	-0.00361	-0.00361	0 0
117	KIKCER1	PX	-0.00361	-0.00361	0 0
118	KICKER3	PX	-0.00361	-0.00361	0 0



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**Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
119	MP BETA1	PX	-.000206	-.000206	0	0
120	MP BETA2	PX	-.000206	-.000206	0	0
121	MP GAMMA4	PY	.000356	.000356	0	0
122	MP GAMMA4	PX	-.000206	-.000206	0	0
123	MP BETA4	PY	.000356	.000356	0	0
124	MP BETA4	PX	-.000206	-.000206	0	0
125	MP GAMMA5	PY	.000105	.000105	0	0
126	MP GAMMA5	PX	-6.1e-5	-6.1e-5	0	0

**Member Distributed Loads (BLC 21 : Maintenance (180))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000361	.000361	0	0
2	SUP3A	PY	.000361	.000361	0	0
3	SUP2B	PY	.000361	.000361	0	0
4	SUP2A	PY	.000361	.000361	0	0
5	SUP1B	PY	.000361	.000361	0	0
6	SUP1A	PY	.000361	.000361	0	0
7	SO3	PY	.000361	.000361	0	0
8	SO2	PY	.000361	.000361	0	0
9	SO1	PY	.000361	.000361	0	0
10	PLATECORNER3C	PY	.000108	.000108	0	0
11	PLATECORNER3B	PY	.000108	.000108	0	0
12	PLATECORNER3A	PY	.000108	.000108	0	0
13	PLATECORNER2C	PY	.000108	.000108	0	0
14	PLATECORNER2B	PY	.000108	.000108	0	0
15	PLATECORNER2A	PY	.000108	.000108	0	0
16	PLATECORNER1C	PY	5.4e-5	5.4e-5	0	0
17	PLATECORNER1B	PY	5.4e-5	5.4e-5	0	0
18	PLATECORNER1A	PY	5.4e-5	5.4e-5	0	0
19	PLATE12	PY	.000433	.000433	0	0
20	PLATE11	PY	.000433	.000433	0	0
21	PLATE10	PY	.000433	.000433	0	0
22	PLATE9	PY	.000433	.000433	0	0
23	PLATE8	PY	.000433	.000433	0	0
24	PLATE7	PY	.000433	.000433	0	0
25	PLATE6	PY	.000433	.000433	0	0
26	PLATE5	PY	.000433	.000433	0	0
27	PLATE4	PY	.000433	.000433	0	0
28	PLATE3	PY	.000433	.000433	0	0
29	PLATE2	PY	.000433	.000433	0	0
30	PLATE1	PY	.000433	.000433	0	0
31	MP GAMMA3	PY	.000411	.000411	0	0
32	MP GAMMA2	PY	.000411	.000411	0	0
33	MP GAMMA1	PY	.000411	.000411	0	0
34	MP BETA3	PY	.000411	.000411	0	0
35	MP BETA2	PY	.000411	.000411	0	0
36	MP BETA1	PY	.000411	.000411	0	0
37	MP ALPHA3	PY	.000411	.000411	0	0
38	MP ALPHA2	PY	.000411	.000411	0	0
39	MP ALPHA1	PY	.000411	.000411	0	0
40	FACERAIL3	PY	.000121	.000121	0	0
41	FACERAIL2	PY	.000121	.000121	0	0
42	FACERAIL1	PY	.000243	.000243	0	0
43	FACEBOT3	PY	.000179	.000179	0	0
44	FACEBOT2	PY	.000179	.000179	0	0
45	FACEBOT1	PY	.000358	.000358	0	0



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 Designer : UT  
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**Member Distributed Loads (BLC 21 : Maintenance (180)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
46	CR3B	PY	.000361	.000361	0	0
47	CR3A	PY	.000361	.000361	0	0
48	CR2B	PY	.000361	.000361	0	0
49	CR2A	PY	.000361	.000361	0	0
50	CR1B	PY	.000361	.000361	0	0
51	CR1A	PY	.000361	.000361	0	0
52	ANGLE3	PY	.000721	.000721	0	0
53	ANGLE2	PY	.000721	.000721	0	0
54	ANGLE1	PY	.000361	.000361	0	0
55	MP ALPHA4	PY	.000411	.000411	0	0
56	KICKER2	PY	.000721	.000721	0	0
57	KIKCER1	PY	.000721	.000721	0	0
58	KICKER3	PY	.000721	.000721	0	0
59	MP BETA1	PY	.000411	.000411	0	0
60	MP BETA2	PY	.000411	.000411	0	0
61	MP GAMMA4	PY	.000411	.000411	0	0
62	MP BETA4	PY	.000411	.000411	0	0
63	MP GAMMA5	PY	.000121	.000121	0	0

**Member Distributed Loads (BLC 22 : Maintenance (210))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000312	.000312	0	0
2	SUP3A	PY	.000312	.000312	0	0
3	SUP2B	PY	.000312	.000312	0	0
4	SUP2A	PY	.000312	.000312	0	0
5	SUP1B	PY	.000312	.000312	0	0
6	SUP1A	PY	.000312	.000312	0	0
7	SO3	PY	.000312	.000312	0	0
8	SO2	PY	.000312	.000312	0	0
9	SO1	PY	.000312	.000312	0	0
10	PLATECORNER3C	PY	9.4e-5	9.4e-5	0	0
11	PLATECORNER3B	PY	9.4e-5	9.4e-5	0	0
12	PLATECORNER3A	PY	9.4e-5	9.4e-5	0	0
13	PLATECORNER2C	PY	9.4e-5	9.4e-5	0	0
14	PLATECORNER2B	PY	9.4e-5	9.4e-5	0	0
15	PLATECORNER2A	PY	9.4e-5	9.4e-5	0	0
16	PLATECORNER1C	PY	4.7e-5	4.7e-5	0	0
17	PLATECORNER1B	PY	4.7e-5	4.7e-5	0	0
18	PLATECORNER1A	PY	4.7e-5	4.7e-5	0	0
19	PLATE12	PY	.000375	.000375	0	0
20	PLATE11	PY	.000375	.000375	0	0
21	PLATE10	PY	.000375	.000375	0	0
22	PLATE9	PY	.000375	.000375	0	0
23	PLATE8	PY	.000375	.000375	0	0
24	PLATE7	PY	.000375	.000375	0	0
25	PLATE6	PY	.000375	.000375	0	0
26	PLATE5	PY	.000375	.000375	0	0
27	PLATE4	PY	.000375	.000375	0	0
28	PLATE3	PY	.000375	.000375	0	0
29	PLATE2	PY	.000375	.000375	0	0
30	PLATE1	PY	.000375	.000375	0	0
31	MP GAMMA3	PY	.000356	.000356	0	0
32	MP GAMMA2	PY	.000356	.000356	0	0
33	MP GAMMA1	PY	.000356	.000356	0	0
34	MP BETA3	PY	.000356	.000356	0	0
35	MP BETA2	PY	.000356	.000356	0	0



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
36	MP BETA1	PY	.000356	.000356	0 0
37	MP ALPHA3	PY	.000356	.000356	0 0
38	MP ALPHA2	PY	.000356	.000356	0 0
39	MP ALPHA1	PY	.000356	.000356	0 0
40	FACERAIL3	PY	.000105	.000105	0 0
41	FACERAIL2	PY	.000105	.000105	0 0
42	FACERAIL1	PY	.00021	.00021	0 0
43	FACEBOT3	PY	.000155	.000155	0 0
44	FACEBOT2	PY	.000155	.000155	0 0
45	FACEBOT1	PY	.00031	.00031	0 0
46	CR3B	PY	.000312	.000312	0 0
47	CR3A	PY	.000312	.000312	0 0
48	CR2B	PY	.000312	.000312	0 0
49	CR2A	PY	.000312	.000312	0 0
50	CR1B	PY	.000312	.000312	0 0
51	CR1A	PY	.000312	.000312	0 0
52	ANGLE3	PY	.000625	.000625	0 0
53	ANGLE2	PY	.000625	.000625	0 0
54	ANGLE1	PY	.000312	.000312	0 0
55	MP ALPHA4	PY	.000356	.000356	0 0
56	KICKER2	PY	.000625	.000625	0 0
57	KIKCER1	PY	.000625	.000625	0 0
58	KICKER3	PY	.000625	.000625	0 0
59	MP BETA1	PY	.000356	.000356	0 0
60	MP BETA2	PY	.000356	.000356	0 0
61	SUP3B	PX	.00018	.00018	0 0
62	SUP3A	PX	.00018	.00018	0 0
63	SUP2B	PX	.00018	.00018	0 0
64	SUP2A	PX	.00018	.00018	0 0
65	SUP1B	PX	.00018	.00018	0 0
66	SUP1A	PX	.00018	.00018	0 0
67	SO3	PX	.00018	.00018	0 0
68	SO2	PX	.00018	.00018	0 0
69	SO1	PX	.00018	.00018	0 0
70	PLATECORNER3C	PX	5.4e-5	5.4e-5	0 0
71	PLATECORNER3B	PX	5.4e-5	5.4e-5	0 0
72	PLATECORNER3A	PX	5.4e-5	5.4e-5	0 0
73	PLATECORNER2C	PX	5.4e-5	5.4e-5	0 0
74	PLATECORNER2B	PX	5.4e-5	5.4e-5	0 0
75	PLATECORNER2A	PX	5.4e-5	5.4e-5	0 0
76	PLATECORNER1C	PX	2.7e-5	2.7e-5	0 0
77	PLATECORNER1B	PX	2.7e-5	2.7e-5	0 0
78	PLATECORNER1A	PX	2.7e-5	2.7e-5	0 0
79	PLATE12	PX	.000216	.000216	0 0
80	PLATE11	PX	.000216	.000216	0 0
81	PLATE10	PX	.000216	.000216	0 0
82	PLATE9	PX	.000216	.000216	0 0
83	PLATE8	PX	.000216	.000216	0 0
84	PLATE7	PX	.000216	.000216	0 0
85	PLATE6	PX	.000216	.000216	0 0
86	PLATE5	PX	.000216	.000216	0 0
87	PLATE4	PX	.000216	.000216	0 0
88	PLATE3	PX	.000216	.000216	0 0
89	PLATE2	PX	.000216	.000216	0 0
90	PLATE1	PX	.000216	.000216	0 0
91	MP GAMMA3	PX	.000206	.000206	0 0
92	MP GAMMA2	PX	.000206	.000206	0 0



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 Designer : UT  
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**Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
93	MP GAMMA1	PX	.000206	.000206	0 0
94	MP BETA3	PX	.000206	.000206	0 0
95	MP BETA2	PX	.000206	.000206	0 0
96	MP BETA1	PX	.000206	.000206	0 0
97	MP ALPHA3	PX	.000206	.000206	0 0
98	MP ALPHA2	PX	.000206	.000206	0 0
99	MP ALPHA1	PX	.000206	.000206	0 0
100	FACERAIL3	PX	6.1e-5	6.1e-5	0 0
101	FACERAIL2	PX	6.1e-5	6.1e-5	0 0
102	FACERAIL1	PX	.000121	.000121	0 0
103	FACEBOT3	PX	8.9e-5	8.9e-5	0 0
104	FACEBOT2	PX	8.9e-5	8.9e-5	0 0
105	FACEBOT1	PX	.000179	.000179	0 0
106	CR3B	PX	.00018	.00018	0 0
107	CR3A	PX	.00018	.00018	0 0
108	CR2B	PX	.00018	.00018	0 0
109	CR2A	PX	.00018	.00018	0 0
110	CR1B	PX	.00018	.00018	0 0
111	CR1A	PX	.00018	.00018	0 0
112	ANGLE3	PX	.000361	.000361	0 0
113	ANGLE2	PX	.000361	.000361	0 0
114	ANGLE1	PX	.00018	.00018	0 0
115	MP ALPHA4	PX	.000206	.000206	0 0
116	KICKER2	PX	.000361	.000361	0 0
117	KIKCER1	PX	.000361	.000361	0 0
118	KICKER3	PX	.000361	.000361	0 0
119	MP BETA1	PX	.000206	.000206	0 0
120	MP BETA2	PX	.000206	.000206	0 0
121	MP GAMMA4	PY	.000356	.000356	0 0
122	MP GAMMA4	PX	.000206	.000206	0 0
123	MP BETA4	PY	.000356	.000356	0 0
124	MP BETA4	PX	.000206	.000206	0 0
125	MP GAMMA5	PY	.000105	.000105	0 0
126	MP GAMMA5	PX	6.1e-5	6.1e-5	0 0

**Member Distributed Loads (BLC 23 : Maintenance (240))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.00018	.00018	0 0
2	SUP3A	PY	.00018	.00018	0 0
3	SUP2B	PY	.00018	.00018	0 0
4	SUP2A	PY	.00018	.00018	0 0
5	SUP1B	PY	.00018	.00018	0 0
6	SUP1A	PY	.00018	.00018	0 0
7	SO3	PY	.00018	.00018	0 0
8	SO2	PY	.00018	.00018	0 0
9	SO1	PY	.00018	.00018	0 0
10	PLATECORNER3C	PY	5.4e-5	5.4e-5	0 0
11	PLATECORNER3B	PY	5.4e-5	5.4e-5	0 0
12	PLATECORNER3A	PY	5.4e-5	5.4e-5	0 0
13	PLATECORNER2C	PY	5.4e-5	5.4e-5	0 0
14	PLATECORNER2B	PY	5.4e-5	5.4e-5	0 0
15	PLATECORNER2A	PY	5.4e-5	5.4e-5	0 0
16	PLATECORNER1C	PY	2.7e-5	2.7e-5	0 0
17	PLATECORNER1B	PY	2.7e-5	2.7e-5	0 0
18	PLATECORNER1A	PY	2.7e-5	2.7e-5	0 0
19	PLATE12	PY	.000216	.000216	0 0





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**Member Distributed Loads (BLC 23 : Maintenance (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
20	PLATE11	PY	.000216	.000216	0 0
21	PLATE10	PY	.000216	.000216	0 0
22	PLATE9	PY	.000216	.000216	0 0
23	PLATE8	PY	.000216	.000216	0 0
24	PLATE7	PY	.000216	.000216	0 0
25	PLATE6	PY	.000216	.000216	0 0
26	PLATE5	PY	.000216	.000216	0 0
27	PLATE4	PY	.000216	.000216	0 0
28	PLATE3	PY	.000216	.000216	0 0
29	PLATE2	PY	.000216	.000216	0 0
30	PLATE1	PY	.000216	.000216	0 0
31	MP GAMMA3	PY	.000206	.000206	0 0
32	MP GAMMA2	PY	.000206	.000206	0 0
33	MP GAMMA1	PY	.000206	.000206	0 0
34	MP BETA3	PY	.000206	.000206	0 0
35	MP BETA2	PY	.000206	.000206	0 0
36	MP BETA1	PY	.000206	.000206	0 0
37	MP ALPHA3	PY	.000206	.000206	0 0
38	MP ALPHA2	PY	.000206	.000206	0 0
39	MP ALPHA1	PY	.000206	.000206	0 0
40	FACERAIL3	PY	6.1e-5	6.1e-5	0 0
41	FACERAIL2	PY	6.1e-5	6.1e-5	0 0
42	FACERAIL1	PY	.000121	.000121	0 0
43	FACEBOT3	PY	8.9e-5	8.9e-5	0 0
44	FACEBOT2	PY	8.9e-5	8.9e-5	0 0
45	FACEBOT1	PY	.000179	.000179	0 0
46	CR3B	PY	.00018	.00018	0 0
47	CR3A	PY	.00018	.00018	0 0
48	CR2B	PY	.00018	.00018	0 0
49	CR2A	PY	.00018	.00018	0 0
50	CR1B	PY	.00018	.00018	0 0
51	CR1A	PY	.00018	.00018	0 0
52	ANGLE3	PY	.000361	.000361	0 0
53	ANGLE2	PY	.000361	.000361	0 0
54	ANGLE1	PY	.00018	.00018	0 0
55	MP ALPHA4	PY	.000206	.000206	0 0
56	KICKER2	PY	.000361	.000361	0 0
57	KICKER1	PY	.000361	.000361	0 0
58	KICKER3	PY	.000361	.000361	0 0
59	MP BETA1	PY	.000206	.000206	0 0
60	MP BETA2	PY	.000206	.000206	0 0
61	SUP3B	PX	.000312	.000312	0 0
62	SUP3A	PX	.000312	.000312	0 0
63	SUP2B	PX	.000312	.000312	0 0
64	SUP2A	PX	.000312	.000312	0 0
65	SUP1B	PX	.000312	.000312	0 0
66	SUP1A	PX	.000312	.000312	0 0
67	SO3	PX	.000312	.000312	0 0
68	SO2	PX	.000312	.000312	0 0
69	SO1	PX	.000312	.000312	0 0
70	PLATECORNER3C	PX	9.4e-5	9.4e-5	0 0
71	PLATECORNER3B	PX	9.4e-5	9.4e-5	0 0
72	PLATECORNER3A	PX	9.4e-5	9.4e-5	0 0
73	PLATECORNER2C	PX	9.4e-5	9.4e-5	0 0
74	PLATECORNER2B	PX	9.4e-5	9.4e-5	0 0
75	PLATECORNER2A	PX	9.4e-5	9.4e-5	0 0
76	PLATECORNER1C	PX	4.7e-5	4.7e-5	0 0



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**Member Distributed Loads (BLC 23 : Maintenance (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]	
77	PLATECORNER1B	PX	4.7e-5	4.7e-5	0	0
78	PLATECORNER1A	PX	4.7e-5	4.7e-5	0	0
79	PLATE12	PX	.000375	.000375	0	0
80	PLATE11	PX	.000375	.000375	0	0
81	PLATE10	PX	.000375	.000375	0	0
82	PLATE9	PX	.000375	.000375	0	0
83	PLATE8	PX	.000375	.000375	0	0
84	PLATE7	PX	.000375	.000375	0	0
85	PLATE6	PX	.000375	.000375	0	0
86	PLATE5	PX	.000375	.000375	0	0
87	PLATE4	PX	.000375	.000375	0	0
88	PLATE3	PX	.000375	.000375	0	0
89	PLATE2	PX	.000375	.000375	0	0
90	PLATE1	PX	.000375	.000375	0	0
91	MP GAMMA3	PX	.000356	.000356	0	0
92	MP GAMMA2	PX	.000356	.000356	0	0
93	MP GAMMA1	PX	.000356	.000356	0	0
94	MP BETA3	PX	.000356	.000356	0	0
95	MP BETA2	PX	.000356	.000356	0	0
96	MP BETA1	PX	.000356	.000356	0	0
97	MP ALPHA3	PX	.000356	.000356	0	0
98	MP ALPHA2	PX	.000356	.000356	0	0
99	MP ALPHA1	PX	.000356	.000356	0	0
100	FACERAIL3	PX	.000105	.000105	0	0
101	FACERAIL2	PX	.000105	.000105	0	0
102	FACERAIL1	PX	.00021	.00021	0	0
103	FACEBOT3	PX	.000155	.000155	0	0
104	FACEBOT2	PX	.000155	.000155	0	0
105	FACEBOT1	PX	.00031	.00031	0	0
106	CR3B	PX	.000312	.000312	0	0
107	CR3A	PX	.000312	.000312	0	0
108	CR2B	PX	.000312	.000312	0	0
109	CR2A	PX	.000312	.000312	0	0
110	CR1B	PX	.000312	.000312	0	0
111	CR1A	PX	.000312	.000312	0	0
112	ANGLE3	PX	.000625	.000625	0	0
113	ANGLE2	PX	.000625	.000625	0	0
114	ANGLE1	PX	.000312	.000312	0	0
115	MP ALPHA4	PX	.000356	.000356	0	0
116	KICKER2	PX	.000625	.000625	0	0
117	KICKER1	PX	.000625	.000625	0	0
118	KICKER3	PX	.000625	.000625	0	0
119	MP BETA1	PX	.000356	.000356	0	0
120	MP BETA2	PX	.000356	.000356	0	0
121	MP GAMMA4	PY	.000206	.000206	0	0
122	MP GAMMA4	PX	.000356	.000356	0	0
123	MP BETA4	PY	.000206	.000206	0	0
124	MP BETA4	PX	.000356	.000356	0	0
125	MP GAMMA5	PY	6.1e-5	6.1e-5	0	0
126	MP GAMMA5	PX	.000105	.000105	0	0

**Member Distributed Loads (BLC 24 : Maintenance (270))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]	
1	SUP3B	PX	.000361	.000361	0	0
2	SUP3A	PX	.000361	.000361	0	0
3	SUP2B	PX	.000361	.000361	0	0



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**Member Distributed Loads (BLC 24 : Maintenance (270)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
4	SUP2A	PX	.000361	.000361	0 0
5	SUP1B	PX	.000361	.000361	0 0
6	SUP1A	PX	.000361	.000361	0 0
7	SO3	PX	.000361	.000361	0 0
8	SO2	PX	.000361	.000361	0 0
9	SO1	PX	.000361	.000361	0 0
10	PLATECORNER3C	PX	.000108	.000108	0 0
11	PLATECORNER3B	PX	.000108	.000108	0 0
12	PLATECORNER3A	PX	.000108	.000108	0 0
13	PLATECORNER2C	PX	.000108	.000108	0 0
14	PLATECORNER2B	PX	.000108	.000108	0 0
15	PLATECORNER2A	PX	.000108	.000108	0 0
16	PLATECORNER1C	PX	5.4e-5	5.4e-5	0 0
17	PLATECORNER1B	PX	5.4e-5	5.4e-5	0 0
18	PLATECORNER1A	PX	5.4e-5	5.4e-5	0 0
19	PLATE12	PX	.000433	.000433	0 0
20	PLATE11	PX	.000433	.000433	0 0
21	PLATE10	PX	.000433	.000433	0 0
22	PLATE9	PX	.000433	.000433	0 0
23	PLATE8	PX	.000433	.000433	0 0
24	PLATE7	PX	.000433	.000433	0 0
25	PLATE6	PX	.000433	.000433	0 0
26	PLATE5	PX	.000433	.000433	0 0
27	PLATE4	PX	.000433	.000433	0 0
28	PLATE3	PX	.000433	.000433	0 0
29	PLATE2	PX	.000433	.000433	0 0
30	PLATE1	PX	.000433	.000433	0 0
31	MP GAMMA3	PX	.000411	.000411	0 0
32	MP GAMMA2	PX	.000411	.000411	0 0
33	MP GAMMA1	PX	.000411	.000411	0 0
34	MP BETA3	PX	.000411	.000411	0 0
35	MP BETA2	PX	.000411	.000411	0 0
36	MP BETA1	PX	.000411	.000411	0 0
37	MP ALPHA3	PX	.000411	.000411	0 0
38	MP ALPHA2	PX	.000411	.000411	0 0
39	MP ALPHA1	PX	.000411	.000411	0 0
40	FACERAIL3	PX	.000121	.000121	0 0
41	FACERAIL2	PX	.000121	.000121	0 0
42	FACERAIL1	PX	.000243	.000243	0 0
43	FACEBOT3	PX	.000179	.000179	0 0
44	FACEBOT2	PX	.000179	.000179	0 0
45	FACEBOT1	PX	.000358	.000358	0 0
46	CR3B	PX	.000361	.000361	0 0
47	CR3A	PX	.000361	.000361	0 0
48	CR2B	PX	.000361	.000361	0 0
49	CR2A	PX	.000361	.000361	0 0
50	CR1B	PX	.000361	.000361	0 0
51	CR1A	PX	.000361	.000361	0 0
52	ANGLE3	PX	.000721	.000721	0 0
53	ANGLE2	PX	.000721	.000721	0 0
54	ANGLE1	PX	.000361	.000361	0 0
55	MP ALPHA4	PX	.000411	.000411	0 0
56	KICKER2	PX	.000721	.000721	0 0
57	KIKCER1	PX	.000721	.000721	0 0
58	KICKER3	PX	.000721	.000721	0 0
59	MP BETA1	PX	.000411	.000411	0 0
60	MP BETA2	PX	.000411	.000411	0 0



Company : POD  
 Designer : UT  
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**Member Distributed Loads (BLC 24 : Maintenance (270)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
61	MP GAMMA4	PX	.000411	.000411	0	0
62	MP BETA4	PX	.000411	.000411	0	0
63	MP GAMMA5	PX	.000121	.000121	0	0

**Member Distributed Loads (BLC 25 : Maintenance (300))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.0018	-0.0018	0	0
2	SUP3A	PY	-0.0018	-0.0018	0	0
3	SUP2B	PY	-0.0018	-0.0018	0	0
4	SUP2A	PY	-0.0018	-0.0018	0	0
5	SUP1B	PY	-0.0018	-0.0018	0	0
6	SUP1A	PY	-0.0018	-0.0018	0	0
7	SO3	PY	-0.0018	-0.0018	0	0
8	SO2	PY	-0.0018	-0.0018	0	0
9	SO1	PY	-0.0018	-0.0018	0	0
10	PLATECORNER3C	PY	-5.4e-5	-5.4e-5	0	0
11	PLATECORNER3B	PY	-5.4e-5	-5.4e-5	0	0
12	PLATECORNER3A	PY	-5.4e-5	-5.4e-5	0	0
13	PLATECORNER2C	PY	-5.4e-5	-5.4e-5	0	0
14	PLATECORNER2B	PY	-5.4e-5	-5.4e-5	0	0
15	PLATECORNER2A	PY	-5.4e-5	-5.4e-5	0	0
16	PLATECORNER1C	PY	-2.7e-5	-2.7e-5	0	0
17	PLATECORNER1B	PY	-2.7e-5	-2.7e-5	0	0
18	PLATECORNER1A	PY	-2.7e-5	-2.7e-5	0	0
19	PLATE12	PY	-0.00216	-0.00216	0	0
20	PLATE11	PY	-0.00216	-0.00216	0	0
21	PLATE10	PY	-0.00216	-0.00216	0	0
22	PLATE9	PY	-0.00216	-0.00216	0	0
23	PLATE8	PY	-0.00216	-0.00216	0	0
24	PLATE7	PY	-0.00216	-0.00216	0	0
25	PLATE6	PY	-0.00216	-0.00216	0	0
26	PLATE5	PY	-0.00216	-0.00216	0	0
27	PLATE4	PY	-0.00216	-0.00216	0	0
28	PLATE3	PY	-0.00216	-0.00216	0	0
29	PLATE2	PY	-0.00216	-0.00216	0	0
30	PLATE1	PY	-0.00216	-0.00216	0	0
31	MP GAMMA3	PY	-0.00206	-0.00206	0	0
32	MP GAMMA2	PY	-0.00206	-0.00206	0	0
33	MP GAMMA1	PY	-0.00206	-0.00206	0	0
34	MP BETA3	PY	-0.00206	-0.00206	0	0
35	MP BETA2	PY	-0.00206	-0.00206	0	0
36	MP BETA1	PY	-0.00206	-0.00206	0	0
37	MP ALPHA3	PY	-0.00206	-0.00206	0	0
38	MP ALPHA2	PY	-0.00206	-0.00206	0	0
39	MP ALPHA1	PY	-0.00206	-0.00206	0	0
40	FACERAIL3	PY	-6.1e-5	-6.1e-5	0	0
41	FACERAIL2	PY	-6.1e-5	-6.1e-5	0	0
42	FACERAIL1	PY	-0.00121	-0.00121	0	0
43	FACEBOT3	PY	-8.9e-5	-8.9e-5	0	0
44	FACEBOT2	PY	-8.9e-5	-8.9e-5	0	0
45	FACEBOT1	PY	-0.00179	-0.00179	0	0
46	CR3B	PY	-0.0018	-0.0018	0	0
47	CR3A	PY	-0.0018	-0.0018	0	0
48	CR2B	PY	-0.0018	-0.0018	0	0
49	CR2A	PY	-0.0018	-0.0018	0	0
50	CR1B	PY	-0.0018	-0.0018	0	0



Company : POD  
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**Member Distributed Loads (BLC 25 : Maintenance (300)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
51	CR1A	PY	-0.0018	-0.0018	0 0
52	ANGLE3	PY	-0.00361	-0.00361	0 0
53	ANGLE2	PY	-0.00361	-0.00361	0 0
54	ANGLE1	PY	-0.0018	-0.0018	0 0
55	MP ALPHA4	PY	-0.00206	-0.00206	0 0
56	KICKER2	PY	-0.00361	-0.00361	0 0
57	KIKCER1	PY	-0.00361	-0.00361	0 0
58	KICKER3	PY	-0.00361	-0.00361	0 0
59	MP BETA1	PY	-0.00206	-0.00206	0 0
60	MP BETA2	PY	-0.00206	-0.00206	0 0
61	SUP3B	PX	.000312	.000312	0 0
62	SUP3A	PX	.000312	.000312	0 0
63	SUP2B	PX	.000312	.000312	0 0
64	SUP2A	PX	.000312	.000312	0 0
65	SUP1B	PX	.000312	.000312	0 0
66	SUP1A	PX	.000312	.000312	0 0
67	SO3	PX	.000312	.000312	0 0
68	SO2	PX	.000312	.000312	0 0
69	SO1	PX	.000312	.000312	0 0
70	PLATECORNER3C	PX	9.4e-5	9.4e-5	0 0
71	PLATECORNER3B	PX	9.4e-5	9.4e-5	0 0
72	PLATECORNER3A	PX	9.4e-5	9.4e-5	0 0
73	PLATECORNER2C	PX	9.4e-5	9.4e-5	0 0
74	PLATECORNER2B	PX	9.4e-5	9.4e-5	0 0
75	PLATECORNER2A	PX	9.4e-5	9.4e-5	0 0
76	PLATECORNER1C	PX	4.7e-5	4.7e-5	0 0
77	PLATECORNER1B	PX	4.7e-5	4.7e-5	0 0
78	PLATECORNER1A	PX	4.7e-5	4.7e-5	0 0
79	PLATE12	PX	.000375	.000375	0 0
80	PLATE11	PX	.000375	.000375	0 0
81	PLATE10	PX	.000375	.000375	0 0
82	PLATE9	PX	.000375	.000375	0 0
83	PLATE8	PX	.000375	.000375	0 0
84	PLATE7	PX	.000375	.000375	0 0
85	PLATE6	PX	.000375	.000375	0 0
86	PLATE5	PX	.000375	.000375	0 0
87	PLATE4	PX	.000375	.000375	0 0
88	PLATE3	PX	.000375	.000375	0 0
89	PLATE2	PX	.000375	.000375	0 0
90	PLATE1	PX	.000375	.000375	0 0
91	MP GAMMA3	PX	.000356	.000356	0 0
92	MP GAMMA2	PX	.000356	.000356	0 0
93	MP GAMMA1	PX	.000356	.000356	0 0
94	MP BETA3	PX	.000356	.000356	0 0
95	MP BETA2	PX	.000356	.000356	0 0
96	MP BETA1	PX	.000356	.000356	0 0
97	MP ALPHA3	PX	.000356	.000356	0 0
98	MP ALPHA2	PX	.000356	.000356	0 0
99	MP ALPHA1	PX	.000356	.000356	0 0
100	FACERAIL3	PX	.000105	.000105	0 0
101	FACERAIL2	PX	.000105	.000105	0 0
102	FACERAIL1	PX	.00021	.00021	0 0
103	FACEBOT3	PX	.000155	.000155	0 0
104	FACEBOT2	PX	.000155	.000155	0 0
105	FACEBOT1	PX	.00031	.00031	0 0
106	CR3B	PX	.000312	.000312	0 0
107	CR3A	PX	.000312	.000312	0 0



Company : POD  
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**Member Distributed Loads (BLC 25 : Maintenance (300)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
108	CR2B	PX	.000312	.000312	0	0
109	CR2A	PX	.000312	.000312	0	0
110	CR1B	PX	.000312	.000312	0	0
111	CR1A	PX	.000312	.000312	0	0
112	ANGLE3	PX	.000625	.000625	0	0
113	ANGLE2	PX	.000625	.000625	0	0
114	ANGLE1	PX	.000312	.000312	0	0
115	MP ALPHA4	PX	.000356	.000356	0	0
116	KICKER2	PX	.000625	.000625	0	0
117	KIKCER1	PX	.000625	.000625	0	0
118	KICKER3	PX	.000625	.000625	0	0
119	MP BETA1	PX	.000356	.000356	0	0
120	MP BETA2	PX	.000356	.000356	0	0
121	MP GAMMA4	PY	-.000206	-.000206	0	0
122	MP GAMMA4	PX	.000356	.000356	0	0
123	MP BETA4	PY	-.000206	-.000206	0	0
124	MP BETA4	PX	.000356	.000356	0	0
125	MP GAMMA5	PY	-6.1e-5	-6.1e-5	0	0
126	MP GAMMA5	PX	.000105	.000105	0	0

**Member Distributed Loads (BLC 26 : Maintenance (330))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-.000312	-.000312	0	0
2	SUP3A	PY	-.000312	-.000312	0	0
3	SUP2B	PY	-.000312	-.000312	0	0
4	SUP2A	PY	-.000312	-.000312	0	0
5	SUP1B	PY	-.000312	-.000312	0	0
6	SUP1A	PY	-.000312	-.000312	0	0
7	SO3	PY	-.000312	-.000312	0	0
8	SO2	PY	-.000312	-.000312	0	0
9	SO1	PY	-.000312	-.000312	0	0
10	PLATECORNER3C	PY	-9.4e-5	-9.4e-5	0	0
11	PLATECORNER3B	PY	-9.4e-5	-9.4e-5	0	0
12	PLATECORNER3A	PY	-9.4e-5	-9.4e-5	0	0
13	PLATECORNER2C	PY	-9.4e-5	-9.4e-5	0	0
14	PLATECORNER2B	PY	-9.4e-5	-9.4e-5	0	0
15	PLATECORNER2A	PY	-9.4e-5	-9.4e-5	0	0
16	PLATECORNER1C	PY	-4.7e-5	-4.7e-5	0	0
17	PLATECORNER1B	PY	-4.7e-5	-4.7e-5	0	0
18	PLATECORNER1A	PY	-4.7e-5	-4.7e-5	0	0
19	PLATE12	PY	-.000375	-.000375	0	0
20	PLATE11	PY	-.000375	-.000375	0	0
21	PLATE10	PY	-.000375	-.000375	0	0
22	PLATE9	PY	-.000375	-.000375	0	0
23	PLATE8	PY	-.000375	-.000375	0	0
24	PLATE7	PY	-.000375	-.000375	0	0
25	PLATE6	PY	-.000375	-.000375	0	0
26	PLATE5	PY	-.000375	-.000375	0	0
27	PLATE4	PY	-.000375	-.000375	0	0
28	PLATE3	PY	-.000375	-.000375	0	0
29	PLATE2	PY	-.000375	-.000375	0	0
30	PLATE1	PY	-.000375	-.000375	0	0
31	MP GAMMA3	PY	-.000356	-.000356	0	0
32	MP GAMMA2	PY	-.000356	-.000356	0	0
33	MP GAMMA1	PY	-.000356	-.000356	0	0
34	MP BETA3	PY	-.000356	-.000356	0	0



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 Designer : UT  
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**Member Distributed Loads (BLC 26 : Maintenance (330)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
35	MP BETA2	PY	-0.00356	-0.00356	0 0
36	MP BETA1	PY	-0.00356	-0.00356	0 0
37	MP ALPHA3	PY	-0.00356	-0.00356	0 0
38	MP ALPHA2	PY	-0.00356	-0.00356	0 0
39	MP ALPHA1	PY	-0.00356	-0.00356	0 0
40	FACERAIL3	PY	-0.00105	-0.00105	0 0
41	FACERAIL2	PY	-0.00105	-0.00105	0 0
42	FACERAIL1	PY	-0.0021	-0.0021	0 0
43	FACEBOT3	PY	-0.00155	-0.00155	0 0
44	FACEBOT2	PY	-0.00155	-0.00155	0 0
45	FACEBOT1	PY	-0.0031	-0.0031	0 0
46	CR3B	PY	-0.00312	-0.00312	0 0
47	CR3A	PY	-0.00312	-0.00312	0 0
48	CR2B	PY	-0.00312	-0.00312	0 0
49	CR2A	PY	-0.00312	-0.00312	0 0
50	CR1B	PY	-0.00312	-0.00312	0 0
51	CR1A	PY	-0.00312	-0.00312	0 0
52	ANGLE3	PY	-0.00625	-0.00625	0 0
53	ANGLE2	PY	-0.00625	-0.00625	0 0
54	ANGLE1	PY	-0.00312	-0.00312	0 0
55	MP ALPHA4	PY	-0.00356	-0.00356	0 0
56	KICKER2	PY	-0.00625	-0.00625	0 0
57	KICKER1	PY	-0.00625	-0.00625	0 0
58	KICKER3	PY	-0.00625	-0.00625	0 0
59	MP BETA1	PY	-0.00356	-0.00356	0 0
60	MP BETA2	PY	-0.00356	-0.00356	0 0
61	SUP3B	PX	.00018	.00018	0 0
62	SUP3A	PX	.00018	.00018	0 0
63	SUP2B	PX	.00018	.00018	0 0
64	SUP2A	PX	.00018	.00018	0 0
65	SUP1B	PX	.00018	.00018	0 0
66	SUP1A	PX	.00018	.00018	0 0
67	SO3	PX	.00018	.00018	0 0
68	SO2	PX	.00018	.00018	0 0
69	SO1	PX	.00018	.00018	0 0
70	PLATECORNER3C	PX	5.4e-5	5.4e-5	0 0
71	PLATECORNER3B	PX	5.4e-5	5.4e-5	0 0
72	PLATECORNER3A	PX	5.4e-5	5.4e-5	0 0
73	PLATECORNER2C	PX	5.4e-5	5.4e-5	0 0
74	PLATECORNER2B	PX	5.4e-5	5.4e-5	0 0
75	PLATECORNER2A	PX	5.4e-5	5.4e-5	0 0
76	PLATECORNER1C	PX	2.7e-5	2.7e-5	0 0
77	PLATECORNER1B	PX	2.7e-5	2.7e-5	0 0
78	PLATECORNER1A	PX	2.7e-5	2.7e-5	0 0
79	PLATE12	PX	.000216	.000216	0 0
80	PLATE11	PX	.000216	.000216	0 0
81	PLATE10	PX	.000216	.000216	0 0
82	PLATE9	PX	.000216	.000216	0 0
83	PLATE8	PX	.000216	.000216	0 0
84	PLATE7	PX	.000216	.000216	0 0
85	PLATE6	PX	.000216	.000216	0 0
86	PLATE5	PX	.000216	.000216	0 0
87	PLATE4	PX	.000216	.000216	0 0
88	PLATE3	PX	.000216	.000216	0 0
89	PLATE2	PX	.000216	.000216	0 0
90	PLATE1	PX	.000216	.000216	0 0
91	MP GAMMA3	PX	.000206	.000206	0 0



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**Member Distributed Loads (BLC 26 : Maintenance (330)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
92	MP GAMMA2	PX	.000206	.000206	0	0
93	MP GAMMA1	PX	.000206	.000206	0	0
94	MP BETA3	PX	.000206	.000206	0	0
95	MP BETA2	PX	.000206	.000206	0	0
96	MP BETA1	PX	.000206	.000206	0	0
97	MP ALPHA3	PX	.000206	.000206	0	0
98	MP ALPHA2	PX	.000206	.000206	0	0
99	MP ALPHA1	PX	.000206	.000206	0	0
100	FACERAIL3	PX	6.1e-5	6.1e-5	0	0
101	FACERAIL2	PX	6.1e-5	6.1e-5	0	0
102	FACERAIL1	PX	.000121	.000121	0	0
103	FACEBOT3	PX	8.9e-5	8.9e-5	0	0
104	FACEBOT2	PX	8.9e-5	8.9e-5	0	0
105	FACEBOT1	PX	.000179	.000179	0	0
106	CR3B	PX	.00018	.00018	0	0
107	CR3A	PX	.00018	.00018	0	0
108	CR2B	PX	.00018	.00018	0	0
109	CR2A	PX	.00018	.00018	0	0
110	CR1B	PX	.00018	.00018	0	0
111	CR1A	PX	.00018	.00018	0	0
112	ANGLE3	PX	.000361	.000361	0	0
113	ANGLE2	PX	.000361	.000361	0	0
114	ANGLE1	PX	.00018	.00018	0	0
115	MP ALPHA4	PX	.000206	.000206	0	0
116	KICKER2	PX	.000361	.000361	0	0
117	KIKCER1	PX	.000361	.000361	0	0
118	KICKER3	PX	.000361	.000361	0	0
119	MP BETA1	PX	.000206	.000206	0	0
120	MP BETA2	PX	.000206	.000206	0	0
121	MP GAMMA4	PY	-.000356	-.000356	0	0
122	MP GAMMA4	PX	.000206	.000206	0	0
123	MP BETA4	PY	-.000356	-.000356	0	0
124	MP BETA4	PX	.000206	.000206	0	0
125	MP GAMMA5	PY	-.000105	-.000105	0	0
126	MP GAMMA5	PX	6.1e-5	6.1e-5	0	0

**Member Distributed Loads (BLC 27 : Ice Dead Load)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	Z	-.009	-.009	0	0
2	SUP3A	Z	-.009	-.009	0	0
3	SUP2B	Z	-.009	-.009	0	0
4	SUP2A	Z	-.009	-.009	0	0
5	SUP1B	Z	-.009	-.009	0	0
6	SUP1A	Z	-.009	-.009	0	0
7	SO3	Z	-.009	-.009	0	0
8	SO2	Z	-.009	-.009	0	0
9	SO1	Z	-.009	-.009	0	0
10	PLATECORNER3C	Z	-.007	-.007	0	0
11	PLATECORNER3B	Z	-.007	-.007	0	0
12	PLATECORNER3A	Z	-.007	-.007	0	0
13	PLATECORNER2C	Z	-.007	-.007	0	0
14	PLATECORNER2B	Z	-.007	-.007	0	0
15	PLATECORNER2A	Z	-.007	-.007	0	0
16	PLATECORNER1C	Z	-.007	-.007	0	0
17	PLATECORNER1B	Z	-.007	-.007	0	0
18	PLATECORNER1A	Z	-.007	-.007	0	0





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**Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
19	PLATE12	Z	-0.05	-0.05	0	0
20	PLATE11	Z	-0.05	-0.05	0	0
21	PLATE10	Z	-0.05	-0.05	0	0
22	PLATE9	Z	-0.05	-0.05	0	0
23	PLATE8	Z	-0.05	-0.05	0	0
24	PLATE7	Z	-0.05	-0.05	0	0
25	PLATE6	Z	-0.05	-0.05	0	0
26	PLATE5	Z	-0.05	-0.05	0	0
27	PLATE4	Z	-0.05	-0.05	0	0
28	PLATE3	Z	-0.05	-0.05	0	0
29	PLATE2	Z	-0.05	-0.05	0	0
30	PLATE1	Z	-0.05	-0.05	0	0
31	MP GAMMA3	Z	-0.05	-0.05	0	0
32	MP GAMMA2	Z	-0.05	-0.05	0	0
33	MP GAMMA1	Z	-0.05	-0.05	0	0
34	MP BETA3	Z	-0.05	-0.05	0	0
35	MP BETA2	Z	-0.05	-0.05	0	0
36	MP BETA1	Z	-0.05	-0.05	0	0
37	MP ALPHA3	Z	-0.05	-0.05	0	0
38	MP ALPHA2	Z	-0.05	-0.05	0	0
39	MP ALPHA1	Z	-0.05	-0.05	0	0
40	FACERAIL3	Z	-0.05	-0.05	0	0
41	FACERAIL2	Z	-0.05	-0.05	0	0
42	FACERAIL1	Z	-0.05	-0.05	0	0
43	FACEBOT3	Z	-0.06	-0.06	0	0
44	FACEBOT2	Z	-0.06	-0.06	0	0
45	FACEBOT1	Z	-0.06	-0.06	0	0
46	CR3B	Z	-0.09	-0.09	0	0
47	CR3A	Z	-0.09	-0.09	0	0
48	CR2B	Z	-0.09	-0.09	0	0
49	CR2A	Z	-0.09	-0.09	0	0
50	CR1B	Z	-0.09	-0.09	0	0
51	CR1A	Z	-0.09	-0.09	0	0
52	ANGLE3	Z	-0.06	-0.06	0	0
53	ANGLE2	Z	-0.06	-0.06	0	0
54	ANGLE1	Z	-0.06	-0.06	0	0
55	MP ALPHA4	Z	-0.05	-0.05	0	0
56	KICKER2	Z	-0.1	-0.1	0	0
57	KIKCER1	Z	-0.1	-0.1	0	0
58	KICKER3	Z	-0.1	-0.1	0	0
59	MP BETA1	Z	-0.05	-0.05	0	0
60	MP BETA2	Z	-0.05	-0.05	0	0
61	MP GAMMA4	Z	-0.05	-0.05	0	0
62	MP BETA4	Z	-0.05	-0.05	0	0
63	MP GAMMA5	Z	-0.05	-0.05	0	0

**Member Distributed Loads (BLC 28 : Ice Wind Load (0))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
1	SUP3B	PY	-0.01	-0.01	0	0
2	SUP3A	PY	-0.01	-0.01	0	0
3	SUP2B	PY	-0.01	-0.01	0	0
4	SUP2A	PY	-0.01	-0.01	0	0
5	SUP1B	PY	-0.01	-0.01	0	0
6	SUP1A	PY	-0.01	-0.01	0	0
7	SO3	PY	-0.01	-0.01	0	0
8	SO2	PY	-0.01	-0.01	0	0



Company : POD  
 Designer : UT  
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 Model Name : 806364

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**Member Distributed Loads (BLC 28 : Ice Wind Load (0)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
9	SO1	PY	-0.01	-0.01	0	0
10	PLATECORNER3C	PY	-0.01	-0.01	0	0
11	PLATECORNER3B	PY	-0.01	-0.01	0	0
12	PLATECORNER3A	PY	-0.01	-0.01	0	0
13	PLATECORNER2C	PY	-0.01	-0.01	0	0
14	PLATECORNER2B	PY	-0.01	-0.01	0	0
15	PLATECORNER2A	PY	-0.01	-0.01	0	0
16	PLATECORNER1C	PY	-0.00669	-0.00669	0	0
17	PLATECORNER1B	PY	-0.00669	-0.00669	0	0
18	PLATECORNER1A	PY	-0.00669	-0.00669	0	0
19	PLATE12	PY	-0.01	-0.01	0	0
20	PLATE11	PY	-0.01	-0.01	0	0
21	PLATE10	PY	-0.01	-0.01	0	0
22	PLATE9	PY	-0.01	-0.01	0	0
23	PLATE8	PY	-0.01	-0.01	0	0
24	PLATE7	PY	-0.01	-0.01	0	0
25	PLATE6	PY	-0.01	-0.01	0	0
26	PLATE5	PY	-0.01	-0.01	0	0
27	PLATE4	PY	-0.01	-0.01	0	0
28	PLATE3	PY	-0.01	-0.01	0	0
29	PLATE2	PY	-0.01	-0.01	0	0
30	PLATE1	PY	-0.01	-0.01	0	0
31	MP GAMMA3	PY	-0.002	-0.002	0	0
32	MP GAMMA2	PY	-0.002	-0.002	0	0
33	MP GAMMA1	PY	-0.002	-0.002	0	0
34	MP BETA3	PY	-0.002	-0.002	0	0
35	MP BETA2	PY	-0.002	-0.002	0	0
36	MP BETA1	PY	-0.002	-0.002	0	0
37	MP ALPHA3	PY	-0.002	-0.002	0	0
38	MP ALPHA2	PY	-0.002	-0.002	0	0
39	MP ALPHA1	PY	-0.002	-0.002	0	0
40	FACERAIL3	PY	-0.000718	-0.000718	0	0
41	FACERAIL2	PY	-0.000718	-0.000718	0	0
42	FACERAIL1	PY	-0.001	-0.001	0	0
43	FACEBOT3	PY	-0.000897	-0.000897	0	0
44	FACEBOT2	PY	-0.000897	-0.000897	0	0
45	FACEBOT1	PY	-0.002	-0.002	0	0
46	CR3B	PY	-0.001	-0.001	0	0
47	CR3A	PY	-0.001	-0.001	0	0
48	CR2B	PY	-0.001	-0.001	0	0
49	CR2A	PY	-0.001	-0.001	0	0
50	CR1B	PY	-0.001	-0.001	0	0
51	CR1A	PY	-0.001	-0.001	0	0
52	ANGLE3	PY	-0.002	-0.002	0	0
53	ANGLE2	PY	-0.002	-0.002	0	0
54	ANGLE1	PY	-0.001	-0.001	0	0
55	MP ALPHA4	PY	-0.002	-0.002	0	0
56	KICKER2	PY	-0.002	-0.002	0	0
57	KIKCER1	PY	-0.002	-0.002	0	0
58	KICKER3	PY	-0.002	-0.002	0	0
59	MP BETA1	PY	-0.002	-0.002	0	0
60	MP BETA2	PY	-0.002	-0.002	0	0
61	MP GAMMA4	PY	-0.002	-0.002	0	0
62	MP BETA4	PY	-0.002	-0.002	0	0
63	MP GAMMA5	PY	-0.000718	-0.000718	0	0



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Member Distributed Loads (BLC 29 : Ice Wind Load (30))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-0.0088	-0.0088	0 0
2	SUP3A	PY	-0.0088	-0.0088	0 0
3	SUP2B	PY	-0.0088	-0.0088	0 0
4	SUP2A	PY	-0.0088	-0.0088	0 0
5	SUP1B	PY	-0.0088	-0.0088	0 0
6	SUP1A	PY	-0.0088	-0.0088	0 0
7	SO3	PY	-0.0088	-0.0088	0 0
8	SO2	PY	-0.0088	-0.0088	0 0
9	SO1	PY	-0.0088	-0.0088	0 0
10	PLATECORNER3C	PY	-0.001	-0.001	0 0
11	PLATECORNER3B	PY	-0.001	-0.001	0 0
12	PLATECORNER3A	PY	-0.001	-0.001	0 0
13	PLATECORNER2C	PY	-0.001	-0.001	0 0
14	PLATECORNER2B	PY	-0.001	-0.001	0 0
15	PLATECORNER2A	PY	-0.001	-0.001	0 0
16	PLATECORNER1C	PY	-0.0058	-0.0058	0 0
17	PLATECORNER1B	PY	-0.0058	-0.0058	0 0
18	PLATECORNER1A	PY	-0.0058	-0.0058	0 0
19	PLATE12	PY	-0.001	-0.001	0 0
20	PLATE11	PY	-0.001	-0.001	0 0
21	PLATE10	PY	-0.001	-0.001	0 0
22	PLATE9	PY	-0.001	-0.001	0 0
23	PLATE8	PY	-0.001	-0.001	0 0
24	PLATE7	PY	-0.001	-0.001	0 0
25	PLATE6	PY	-0.001	-0.001	0 0
26	PLATE5	PY	-0.001	-0.001	0 0
27	PLATE4	PY	-0.001	-0.001	0 0
28	PLATE3	PY	-0.001	-0.001	0 0
29	PLATE2	PY	-0.001	-0.001	0 0
30	PLATE1	PY	-0.001	-0.001	0 0
31	MP GAMMA3	PY	-0.002	-0.002	0 0
32	MP GAMMA2	PY	-0.002	-0.002	0 0
33	MP GAMMA1	PY	-0.002	-0.002	0 0
34	MP BETA3	PY	-0.002	-0.002	0 0
35	MP BETA2	PY	-0.002	-0.002	0 0
36	MP BETA1	PY	-0.002	-0.002	0 0
37	MP ALPHA3	PY	-0.002	-0.002	0 0
38	MP ALPHA2	PY	-0.002	-0.002	0 0
39	MP ALPHA1	PY	-0.002	-0.002	0 0
40	FACERAIL3	PY	-0.00622	-0.00622	0 0
41	FACERAIL2	PY	-0.00622	-0.00622	0 0
42	FACERAIL1	PY	-0.001	-0.001	0 0
43	FACEBOT3	PY	-0.00777	-0.00777	0 0
44	FACEBOT2	PY	-0.00777	-0.00777	0 0
45	FACEBOT1	PY	-0.002	-0.002	0 0
46	CR3B	PY	-0.0088	-0.0088	0 0
47	CR3A	PY	-0.0088	-0.0088	0 0
48	CR2B	PY	-0.0088	-0.0088	0 0
49	CR2A	PY	-0.0088	-0.0088	0 0
50	CR1B	PY	-0.0088	-0.0088	0 0
51	CR1A	PY	-0.0088	-0.0088	0 0
52	ANGLE3	PY	-0.002	-0.002	0 0
53	ANGLE2	PY	-0.002	-0.002	0 0
54	ANGLE1	PY	-0.001	-0.001	0 0
55	MP ALPHA4	PY	-0.002	-0.002	0 0
56	KICKER2	PY	-0.002	-0.002	0 0
57	KIKCER1	PY	-0.002	-0.002	0 0



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 Designer : UT  
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**Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
58	KICKER3	PY	-0.02	-0.02	0	0
59	MP BETA1	PY	-0.02	-0.02	0	0
60	MP BETA2	PY	-0.02	-0.02	0	0
61	SUP3B	PX	-0.00508	-0.00508	0	0
62	SUP3A	PX	-0.00508	-0.00508	0	0
63	SUP2B	PX	-0.00508	-0.00508	0	0
64	SUP2A	PX	-0.00508	-0.00508	0	0
65	SUP1B	PX	-0.00508	-0.00508	0	0
66	SUP1A	PX	-0.00508	-0.00508	0	0
67	SO3	PX	-0.00508	-0.00508	0	0
68	SO2	PX	-0.00508	-0.00508	0	0
69	SO1	PX	-0.00508	-0.00508	0	0
70	PLATECORNER3C	PX	-0.00669	-0.00669	0	0
71	PLATECORNER3B	PX	-0.00669	-0.00669	0	0
72	PLATECORNER3A	PX	-0.00669	-0.00669	0	0
73	PLATECORNER2C	PX	-0.00669	-0.00669	0	0
74	PLATECORNER2B	PX	-0.00669	-0.00669	0	0
75	PLATECORNER2A	PX	-0.00669	-0.00669	0	0
76	PLATECORNER1C	PX	-0.00335	-0.00335	0	0
77	PLATECORNER1B	PX	-0.00335	-0.00335	0	0
78	PLATECORNER1A	PX	-0.00335	-0.00335	0	0
79	PLATE12	PX	-0.00681	-0.00681	0	0
80	PLATE11	PX	-0.00681	-0.00681	0	0
81	PLATE10	PX	-0.00681	-0.00681	0	0
82	PLATE9	PX	-0.00681	-0.00681	0	0
83	PLATE8	PX	-0.00681	-0.00681	0	0
84	PLATE7	PX	-0.00681	-0.00681	0	0
85	PLATE6	PX	-0.00681	-0.00681	0	0
86	PLATE5	PX	-0.00681	-0.00681	0	0
87	PLATE4	PX	-0.00681	-0.00681	0	0
88	PLATE3	PX	-0.00681	-0.00681	0	0
89	PLATE2	PX	-0.00681	-0.00681	0	0
90	PLATE1	PX	-0.00681	-0.00681	0	0
91	MP GAMMA3	PX	-0.001	-0.001	0	0
92	MP GAMMA2	PX	-0.001	-0.001	0	0
93	MP GAMMA1	PX	-0.001	-0.001	0	0
94	MP BETA3	PX	-0.001	-0.001	0	0
95	MP BETA2	PX	-0.001	-0.001	0	0
96	MP BETA1	PX	-0.001	-0.001	0	0
97	MP ALPHA3	PX	-0.001	-0.001	0	0
98	MP ALPHA2	PX	-0.001	-0.001	0	0
99	MP ALPHA1	PX	-0.001	-0.001	0	0
100	FACERAIL3	PX	-0.00359	-0.00359	0	0
101	FACERAIL2	PX	-0.00359	-0.00359	0	0
102	FACERAIL1	PX	-0.00718	-0.00718	0	0
103	FACEBOT3	PX	-0.00448	-0.00448	0	0
104	FACEBOT2	PX	-0.00448	-0.00448	0	0
105	FACEBOT1	PX	-0.00897	-0.00897	0	0
106	CR3B	PX	-0.00508	-0.00508	0	0
107	CR3A	PX	-0.00508	-0.00508	0	0
108	CR2B	PX	-0.00508	-0.00508	0	0
109	CR2A	PX	-0.00508	-0.00508	0	0
110	CR1B	PX	-0.00508	-0.00508	0	0
111	CR1A	PX	-0.00508	-0.00508	0	0
112	ANGLE3	PX	-0.001	-0.001	0	0
113	ANGLE2	PX	-0.001	-0.001	0	0
114	ANGLE1	PX	-0.00615	-0.00615	0	0



Company : POD  
 Designer : UT  
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**Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
115	MP ALPHA4	PX	-0.01	-0.01	0	0
116	KICKER2	PX	-0.01	-0.01	0	0
117	KIKCER1	PX	-0.01	-0.01	0	0
118	KICKER3	PX	-0.01	-0.01	0	0
119	MP BETA1	PX	-0.01	-0.01	0	0
120	MP BETA2	PX	-0.01	-0.01	0	0
121	MP GAMMA4	PY	-0.02	-0.02	0	0
122	MP GAMMA4	PX	-0.01	-0.01	0	0
123	MP BETA4	PY	-0.02	-0.02	0	0
124	MP BETA4	PX	-0.01	-0.01	0	0
125	MP GAMMA5	PY	-0.00622	-0.00622	0	0
126	MP GAMMA5	PX	-0.00359	-0.00359	0	0

**Member Distributed Loads (BLC 30 : Ice Wind Load (60))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	-0.00508	-0.00508	0	0
2	SUP3A	PY	-0.00508	-0.00508	0	0
3	SUP2B	PY	-0.00508	-0.00508	0	0
4	SUP2A	PY	-0.00508	-0.00508	0	0
5	SUP1B	PY	-0.00508	-0.00508	0	0
6	SUP1A	PY	-0.00508	-0.00508	0	0
7	SO3	PY	-0.00508	-0.00508	0	0
8	SO2	PY	-0.00508	-0.00508	0	0
9	SO1	PY	-0.00508	-0.00508	0	0
10	PLATECORNER3C	PY	-0.00669	-0.00669	0	0
11	PLATECORNER3B	PY	-0.00669	-0.00669	0	0
12	PLATECORNER3A	PY	-0.00669	-0.00669	0	0
13	PLATECORNER2C	PY	-0.00669	-0.00669	0	0
14	PLATECORNER2B	PY	-0.00669	-0.00669	0	0
15	PLATECORNER2A	PY	-0.00669	-0.00669	0	0
16	PLATECORNER1C	PY	-0.00335	-0.00335	0	0
17	PLATECORNER1B	PY	-0.00335	-0.00335	0	0
18	PLATECORNER1A	PY	-0.00335	-0.00335	0	0
19	PLATE12	PY	-0.00681	-0.00681	0	0
20	PLATE11	PY	-0.00681	-0.00681	0	0
21	PLATE10	PY	-0.00681	-0.00681	0	0
22	PLATE9	PY	-0.00681	-0.00681	0	0
23	PLATE8	PY	-0.00681	-0.00681	0	0
24	PLATE7	PY	-0.00681	-0.00681	0	0
25	PLATE6	PY	-0.00681	-0.00681	0	0
26	PLATE5	PY	-0.00681	-0.00681	0	0
27	PLATE4	PY	-0.00681	-0.00681	0	0
28	PLATE3	PY	-0.00681	-0.00681	0	0
29	PLATE2	PY	-0.00681	-0.00681	0	0
30	PLATE1	PY	-0.00681	-0.00681	0	0
31	MP GAMMA3	PY	-0.01	-0.01	0	0
32	MP GAMMA2	PY	-0.01	-0.01	0	0
33	MP GAMMA1	PY	-0.01	-0.01	0	0
34	MP BETA3	PY	-0.01	-0.01	0	0
35	MP BETA2	PY	-0.01	-0.01	0	0
36	MP BETA1	PY	-0.01	-0.01	0	0
37	MP ALPHA3	PY	-0.01	-0.01	0	0
38	MP ALPHA2	PY	-0.01	-0.01	0	0
39	MP ALPHA1	PY	-0.01	-0.01	0	0
40	FACERAIL3	PY	-0.00359	-0.00359	0	0
41	FACERAIL2	PY	-0.00359	-0.00359	0	0



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
42	FACERAIL1	PY	-0.00718	-0.00718	0 0
43	FACEBOT3	PY	-0.00448	-0.00448	0 0
44	FACEBOT2	PY	-0.00448	-0.00448	0 0
45	FACEBOT1	PY	-0.00897	-0.00897	0 0
46	CR3B	PY	-0.00508	-0.00508	0 0
47	CR3A	PY	-0.00508	-0.00508	0 0
48	CR2B	PY	-0.00508	-0.00508	0 0
49	CR2A	PY	-0.00508	-0.00508	0 0
50	CR1B	PY	-0.00508	-0.00508	0 0
51	CR1A	PY	-0.00508	-0.00508	0 0
52	ANGLE3	PY	-0.001	-0.001	0 0
53	ANGLE2	PY	-0.001	-0.001	0 0
54	ANGLE1	PY	-0.00615	-0.00615	0 0
55	MP ALPHA4	PY	-0.001	-0.001	0 0
56	KICKER2	PY	-0.001	-0.001	0 0
57	KICKER1	PY	-0.001	-0.001	0 0
58	KICKER3	PY	-0.001	-0.001	0 0
59	MP BETA1	PY	-0.001	-0.001	0 0
60	MP BETA2	PY	-0.001	-0.001	0 0
61	SUP3B	PX	-0.00088	-0.00088	0 0
62	SUP3A	PX	-0.00088	-0.00088	0 0
63	SUP2B	PX	-0.00088	-0.00088	0 0
64	SUP2A	PX	-0.00088	-0.00088	0 0
65	SUP1B	PX	-0.00088	-0.00088	0 0
66	SUP1A	PX	-0.00088	-0.00088	0 0
67	SO3	PX	-0.00088	-0.00088	0 0
68	SO2	PX	-0.00088	-0.00088	0 0
69	SO1	PX	-0.00088	-0.00088	0 0
70	PLATECORNER3C	PX	-0.001	-0.001	0 0
71	PLATECORNER3B	PX	-0.001	-0.001	0 0
72	PLATECORNER3A	PX	-0.001	-0.001	0 0
73	PLATECORNER2C	PX	-0.001	-0.001	0 0
74	PLATECORNER2B	PX	-0.001	-0.001	0 0
75	PLATECORNER2A	PX	-0.001	-0.001	0 0
76	PLATECORNER1C	PX	-0.00058	-0.00058	0 0
77	PLATECORNER1B	PX	-0.00058	-0.00058	0 0
78	PLATECORNER1A	PX	-0.00058	-0.00058	0 0
79	PLATE12	PX	-0.001	-0.001	0 0
80	PLATE11	PX	-0.001	-0.001	0 0
81	PLATE10	PX	-0.001	-0.001	0 0
82	PLATE9	PX	-0.001	-0.001	0 0
83	PLATE8	PX	-0.001	-0.001	0 0
84	PLATE7	PX	-0.001	-0.001	0 0
85	PLATE6	PX	-0.001	-0.001	0 0
86	PLATE5	PX	-0.001	-0.001	0 0
87	PLATE4	PX	-0.001	-0.001	0 0
88	PLATE3	PX	-0.001	-0.001	0 0
89	PLATE2	PX	-0.001	-0.001	0 0
90	PLATE1	PX	-0.001	-0.001	0 0
91	MP GAMMA3	PX	-0.002	-0.002	0 0
92	MP GAMMA2	PX	-0.002	-0.002	0 0
93	MP GAMMA1	PX	-0.002	-0.002	0 0
94	MP BETA3	PX	-0.002	-0.002	0 0
95	MP BETA2	PX	-0.002	-0.002	0 0
96	MP BETA1	PX	-0.002	-0.002	0 0
97	MP ALPHA3	PX	-0.002	-0.002	0 0
98	MP ALPHA2	PX	-0.002	-0.002	0 0



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
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**Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
99	MP ALPHA1	PX	-0.002	-0.002	0	0
100	FACERAIL3	PX	-0.000622	-0.000622	0	0
101	FACERAIL2	PX	-0.000622	-0.000622	0	0
102	FACERAIL1	PX	-0.001	-0.001	0	0
103	FACEBOT3	PX	-0.000777	-0.000777	0	0
104	FACEBOT2	PX	-0.000777	-0.000777	0	0
105	FACEBOT1	PX	-0.002	-0.002	0	0
106	CR3B	PX	-0.00088	-0.00088	0	0
107	CR3A	PX	-0.00088	-0.00088	0	0
108	CR2B	PX	-0.00088	-0.00088	0	0
109	CR2A	PX	-0.00088	-0.00088	0	0
110	CR1B	PX	-0.00088	-0.00088	0	0
111	CR1A	PX	-0.00088	-0.00088	0	0
112	ANGLE3	PX	-0.002	-0.002	0	0
113	ANGLE2	PX	-0.002	-0.002	0	0
114	ANGLE1	PX	-0.001	-0.001	0	0
115	MP ALPHA4	PX	-0.002	-0.002	0	0
116	KICKER2	PX	-0.002	-0.002	0	0
117	KIKCER1	PX	-0.002	-0.002	0	0
118	KICKER3	PX	-0.002	-0.002	0	0
119	MP BETA1	PX	-0.002	-0.002	0	0
120	MP BETA2	PX	-0.002	-0.002	0	0
121	MP GAMMA4	PY	-0.001	-0.001	0	0
122	MP GAMMA4	PX	-0.002	-0.002	0	0
123	MP BETA4	PY	-0.001	-0.001	0	0
124	MP BETA4	PX	-0.002	-0.002	0	0
125	MP GAMMA5	PY	-0.000359	-0.000359	0	0
126	MP GAMMA5	PX	-0.000622	-0.000622	0	0

**Member Distributed Loads (BLC 31 : Ice Wind Load (90))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PX	-0.001	-0.001	0	0
2	SUP3A	PX	-0.001	-0.001	0	0
3	SUP2B	PX	-0.001	-0.001	0	0
4	SUP2A	PX	-0.001	-0.001	0	0
5	SUP1B	PX	-0.001	-0.001	0	0
6	SUP1A	PX	-0.001	-0.001	0	0
7	SO3	PX	-0.001	-0.001	0	0
8	SO2	PX	-0.001	-0.001	0	0
9	SO1	PX	-0.001	-0.001	0	0
10	PLATECORNER3C	PX	-0.001	-0.001	0	0
11	PLATECORNER3B	PX	-0.001	-0.001	0	0
12	PLATECORNER3A	PX	-0.001	-0.001	0	0
13	PLATECORNER2C	PX	-0.001	-0.001	0	0
14	PLATECORNER2B	PX	-0.001	-0.001	0	0
15	PLATECORNER2A	PX	-0.001	-0.001	0	0
16	PLATECORNER1C	PX	-0.000669	-0.000669	0	0
17	PLATECORNER1B	PX	-0.000669	-0.000669	0	0
18	PLATECORNER1A	PX	-0.000669	-0.000669	0	0
19	PLATE12	PX	-0.001	-0.001	0	0
20	PLATE11	PX	-0.001	-0.001	0	0
21	PLATE10	PX	-0.001	-0.001	0	0
22	PLATE9	PX	-0.001	-0.001	0	0
23	PLATE8	PX	-0.001	-0.001	0	0
24	PLATE7	PX	-0.001	-0.001	0	0
25	PLATE6	PX	-0.001	-0.001	0	0



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**Member Distributed Loads (BLC 31 : Ice Wind Load (90)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
26	PLATE5	PX	-0.01	-0.01	0	0
27	PLATE4	PX	-0.01	-0.01	0	0
28	PLATE3	PX	-0.01	-0.01	0	0
29	PLATE2	PX	-0.01	-0.01	0	0
30	PLATE1	PX	-0.01	-0.01	0	0
31	MP GAMMA3	PX	-0.02	-0.02	0	0
32	MP GAMMA2	PX	-0.02	-0.02	0	0
33	MP GAMMA1	PX	-0.02	-0.02	0	0
34	MP BETA3	PX	-0.02	-0.02	0	0
35	MP BETA2	PX	-0.02	-0.02	0	0
36	MP BETA1	PX	-0.02	-0.02	0	0
37	MP ALPHA3	PX	-0.02	-0.02	0	0
38	MP ALPHA2	PX	-0.02	-0.02	0	0
39	MP ALPHA1	PX	-0.02	-0.02	0	0
40	FACERAIL3	PX	-0.00718	-0.00718	0	0
41	FACERAIL2	PX	-0.00718	-0.00718	0	0
42	FACERAIL1	PX	-0.01	-0.01	0	0
43	FACEBOT3	PX	-0.00897	-0.00897	0	0
44	FACEBOT2	PX	-0.00897	-0.00897	0	0
45	FACEBOT1	PX	-0.02	-0.02	0	0
46	CR3B	PX	-0.01	-0.01	0	0
47	CR3A	PX	-0.01	-0.01	0	0
48	CR2B	PX	-0.01	-0.01	0	0
49	CR2A	PX	-0.01	-0.01	0	0
50	CR1B	PX	-0.01	-0.01	0	0
51	CR1A	PX	-0.01	-0.01	0	0
52	ANGLE3	PX	-0.02	-0.02	0	0
53	ANGLE2	PX	-0.02	-0.02	0	0
54	ANGLE1	PX	-0.01	-0.01	0	0
55	MP ALPHA4	PX	-0.02	-0.02	0	0
56	KICKER2	PX	-0.02	-0.02	0	0
57	KICKER1	PX	-0.02	-0.02	0	0
58	KICKER3	PX	-0.02	-0.02	0	0
59	MP BETA1	PX	-0.02	-0.02	0	0
60	MP BETA2	PX	-0.02	-0.02	0	0
61	MP GAMMA4	PX	-0.02	-0.02	0	0
62	MP BETA4	PX	-0.02	-0.02	0	0
63	MP GAMMA5	PX	-0.00718	-0.00718	0	0

**Member Distributed Loads (BLC 32 : Ice Wind Load (120))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000508	.000508	0	0
2	SUP3A	PY	.000508	.000508	0	0
3	SUP2B	PY	.000508	.000508	0	0
4	SUP2A	PY	.000508	.000508	0	0
5	SUP1B	PY	.000508	.000508	0	0
6	SUP1A	PY	.000508	.000508	0	0
7	SO3	PY	.000508	.000508	0	0
8	SO2	PY	.000508	.000508	0	0
9	SO1	PY	.000508	.000508	0	0
10	PLATECORNER3C	PY	.000669	.000669	0	0
11	PLATECORNER3B	PY	.000669	.000669	0	0
12	PLATECORNER3A	PY	.000669	.000669	0	0
13	PLATECORNER2C	PY	.000669	.000669	0	0
14	PLATECORNER2B	PY	.000669	.000669	0	0
15	PLATECORNER2A	PY	.000669	.000669	0	0





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**Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
16	PLATECORNER1C	PY	.000335	.000335	0 0
17	PLATECORNER1B	PY	.000335	.000335	0 0
18	PLATECORNER1A	PY	.000335	.000335	0 0
19	PLATE12	PY	.000681	.000681	0 0
20	PLATE11	PY	.000681	.000681	0 0
21	PLATE10	PY	.000681	.000681	0 0
22	PLATE9	PY	.000681	.000681	0 0
23	PLATE8	PY	.000681	.000681	0 0
24	PLATE7	PY	.000681	.000681	0 0
25	PLATE6	PY	.000681	.000681	0 0
26	PLATE5	PY	.000681	.000681	0 0
27	PLATE4	PY	.000681	.000681	0 0
28	PLATE3	PY	.000681	.000681	0 0
29	PLATE2	PY	.000681	.000681	0 0
30	PLATE1	PY	.000681	.000681	0 0
31	MP GAMMA3	PY	.001	.001	0 0
32	MP GAMMA2	PY	.001	.001	0 0
33	MP GAMMA1	PY	.001	.001	0 0
34	MP BETA3	PY	.001	.001	0 0
35	MP BETA2	PY	.001	.001	0 0
36	MP BETA1	PY	.001	.001	0 0
37	MP ALPHA3	PY	.001	.001	0 0
38	MP ALPHA2	PY	.001	.001	0 0
39	MP ALPHA1	PY	.001	.001	0 0
40	FACERAIL3	PY	.000359	.000359	0 0
41	FACERAIL2	PY	.000359	.000359	0 0
42	FACERAIL1	PY	.000718	.000718	0 0
43	FACEBOT3	PY	.000448	.000448	0 0
44	FACEBOT2	PY	.000448	.000448	0 0
45	FACEBOT1	PY	.000897	.000897	0 0
46	CR3B	PY	.000508	.000508	0 0
47	CR3A	PY	.000508	.000508	0 0
48	CR2B	PY	.000508	.000508	0 0
49	CR2A	PY	.000508	.000508	0 0
50	CR1B	PY	.000508	.000508	0 0
51	CR1A	PY	.000508	.000508	0 0
52	ANGLE3	PY	.001	.001	0 0
53	ANGLE2	PY	.001	.001	0 0
54	ANGLE1	PY	.000615	.000615	0 0
55	MP ALPHA4	PY	.001	.001	0 0
56	KICKER2	PY	.001	.001	0 0
57	KIKCER1	PY	.001	.001	0 0
58	KICKER3	PY	.001	.001	0 0
59	MP BETA1	PY	.001	.001	0 0
60	MP BETA2	PY	.001	.001	0 0
61	SUP3B	PX	-.00088	-.00088	0 0
62	SUP3A	PX	-.00088	-.00088	0 0
63	SUP2B	PX	-.00088	-.00088	0 0
64	SUP2A	PX	-.00088	-.00088	0 0
65	SUP1B	PX	-.00088	-.00088	0 0
66	SUP1A	PX	-.00088	-.00088	0 0
67	SO3	PX	-.00088	-.00088	0 0
68	SO2	PX	-.00088	-.00088	0 0
69	SO1	PX	-.00088	-.00088	0 0
70	PLATECORNER3C	PX	-.001	-.001	0 0
71	PLATECORNER3B	PX	-.001	-.001	0 0
72	PLATECORNER3A	PX	-.001	-.001	0 0



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**Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]	
73	PLATECORNER2C	PX	-0.01	-0.01	0	0
74	PLATECORNER2B	PX	-0.01	-0.01	0	0
75	PLATECORNER2A	PX	-0.01	-0.01	0	0
76	PLATECORNER1C	PX	-0.00058	-0.00058	0	0
77	PLATECORNER1B	PX	-0.00058	-0.00058	0	0
78	PLATECORNER1A	PX	-0.00058	-0.00058	0	0
79	PLATE12	PX	-0.01	-0.01	0	0
80	PLATE11	PX	-0.01	-0.01	0	0
81	PLATE10	PX	-0.01	-0.01	0	0
82	PLATE9	PX	-0.01	-0.01	0	0
83	PLATE8	PX	-0.01	-0.01	0	0
84	PLATE7	PX	-0.01	-0.01	0	0
85	PLATE6	PX	-0.01	-0.01	0	0
86	PLATE5	PX	-0.01	-0.01	0	0
87	PLATE4	PX	-0.01	-0.01	0	0
88	PLATE3	PX	-0.01	-0.01	0	0
89	PLATE2	PX	-0.01	-0.01	0	0
90	PLATE1	PX	-0.01	-0.01	0	0
91	MP GAMMA3	PX	-0.02	-0.02	0	0
92	MP GAMMA2	PX	-0.02	-0.02	0	0
93	MP GAMMA1	PX	-0.02	-0.02	0	0
94	MP BETA3	PX	-0.02	-0.02	0	0
95	MP BETA2	PX	-0.02	-0.02	0	0
96	MP BETA1	PX	-0.02	-0.02	0	0
97	MP ALPHA3	PX	-0.02	-0.02	0	0
98	MP ALPHA2	PX	-0.02	-0.02	0	0
99	MP ALPHA1	PX	-0.02	-0.02	0	0
100	FACERAIL3	PX	-0.00622	-0.00622	0	0
101	FACERAIL2	PX	-0.00622	-0.00622	0	0
102	FACERAIL1	PX	-0.01	-0.01	0	0
103	FACEBOT3	PX	-0.00777	-0.00777	0	0
104	FACEBOT2	PX	-0.00777	-0.00777	0	0
105	FACEBOT1	PX	-0.02	-0.02	0	0
106	CR3B	PX	-0.0088	-0.0088	0	0
107	CR3A	PX	-0.0088	-0.0088	0	0
108	CR2B	PX	-0.0088	-0.0088	0	0
109	CR2A	PX	-0.0088	-0.0088	0	0
110	CR1B	PX	-0.0088	-0.0088	0	0
111	CR1A	PX	-0.0088	-0.0088	0	0
112	ANGLE3	PX	-0.02	-0.02	0	0
113	ANGLE2	PX	-0.02	-0.02	0	0
114	ANGLE1	PX	-0.01	-0.01	0	0
115	MP ALPHA4	PX	-0.02	-0.02	0	0
116	KICKER2	PX	-0.02	-0.02	0	0
117	KIKCER1	PX	-0.02	-0.02	0	0
118	KICKER3	PX	-0.02	-0.02	0	0
119	MP BETA1	PX	-0.02	-0.02	0	0
120	MP BETA2	PX	-0.02	-0.02	0	0
121	MP GAMMA4	PY	.001	.001	0	0
122	MP GAMMA4	PX	-0.02	-0.02	0	0
123	MP BETA4	PY	.001	.001	0	0
124	MP BETA4	PX	-0.02	-0.02	0	0
125	MP GAMMA5	PY	.000359	.000359	0	0
126	MP GAMMA5	PX	-0.00622	-0.00622	0	0

**Member Distributed Loads (BLC 33 : Ice Wind Load (150))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
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**Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.00088	.00088	0 0
2	SUP3A	PY	.00088	.00088	0 0
3	SUP2B	PY	.00088	.00088	0 0
4	SUP2A	PY	.00088	.00088	0 0
5	SUP1B	PY	.00088	.00088	0 0
6	SUP1A	PY	.00088	.00088	0 0
7	SO3	PY	.00088	.00088	0 0
8	SO2	PY	.00088	.00088	0 0
9	SO1	PY	.00088	.00088	0 0
10	PLATECORNER3C	PY	.001	.001	0 0
11	PLATECORNER3B	PY	.001	.001	0 0
12	PLATECORNER3A	PY	.001	.001	0 0
13	PLATECORNER2C	PY	.001	.001	0 0
14	PLATECORNER2B	PY	.001	.001	0 0
15	PLATECORNER2A	PY	.001	.001	0 0
16	PLATECORNER1C	PY	.00058	.00058	0 0
17	PLATECORNER1B	PY	.00058	.00058	0 0
18	PLATECORNER1A	PY	.00058	.00058	0 0
19	PLATE12	PY	.001	.001	0 0
20	PLATE11	PY	.001	.001	0 0
21	PLATE10	PY	.001	.001	0 0
22	PLATE9	PY	.001	.001	0 0
23	PLATE8	PY	.001	.001	0 0
24	PLATE7	PY	.001	.001	0 0
25	PLATE6	PY	.001	.001	0 0
26	PLATE5	PY	.001	.001	0 0
27	PLATE4	PY	.001	.001	0 0
28	PLATE3	PY	.001	.001	0 0
29	PLATE2	PY	.001	.001	0 0
30	PLATE1	PY	.001	.001	0 0
31	MP GAMMA3	PY	.002	.002	0 0
32	MP GAMMA2	PY	.002	.002	0 0
33	MP GAMMA1	PY	.002	.002	0 0
34	MP BETA3	PY	.002	.002	0 0
35	MP BETA2	PY	.002	.002	0 0
36	MP BETA1	PY	.002	.002	0 0
37	MP ALPHA3	PY	.002	.002	0 0
38	MP ALPHA2	PY	.002	.002	0 0
39	MP ALPHA1	PY	.002	.002	0 0
40	FACERAIL3	PY	.000622	.000622	0 0
41	FACERAIL2	PY	.000622	.000622	0 0
42	FACERAIL1	PY	.001	.001	0 0
43	FACEBOT3	PY	.000777	.000777	0 0
44	FACEBOT2	PY	.000777	.000777	0 0
45	FACEBOT1	PY	.002	.002	0 0
46	CR3B	PY	.00088	.00088	0 0
47	CR3A	PY	.00088	.00088	0 0
48	CR2B	PY	.00088	.00088	0 0
49	CR2A	PY	.00088	.00088	0 0
50	CR1B	PY	.00088	.00088	0 0
51	CR1A	PY	.00088	.00088	0 0
52	ANGLE3	PY	.002	.002	0 0
53	ANGLE2	PY	.002	.002	0 0
54	ANGLE1	PY	.001	.001	0 0
55	MP ALPHA4	PY	.002	.002	0 0
56	KICKER2	PY	.002	.002	0 0
57	KIKCER1	PY	.002	.002	0 0



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**Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
58	KICKER3	PY	.002	.002	0	0
59	MP BETA1	PY	.002	.002	0	0
60	MP BETA2	PY	.002	.002	0	0
61	SUP3B	PX	-.000508	-.000508	0	0
62	SUP3A	PX	-.000508	-.000508	0	0
63	SUP2B	PX	-.000508	-.000508	0	0
64	SUP2A	PX	-.000508	-.000508	0	0
65	SUP1B	PX	-.000508	-.000508	0	0
66	SUP1A	PX	-.000508	-.000508	0	0
67	SO3	PX	-.000508	-.000508	0	0
68	SO2	PX	-.000508	-.000508	0	0
69	SO1	PX	-.000508	-.000508	0	0
70	PLATECORNER3C	PX	-.000669	-.000669	0	0
71	PLATECORNER3B	PX	-.000669	-.000669	0	0
72	PLATECORNER3A	PX	-.000669	-.000669	0	0
73	PLATECORNER2C	PX	-.000669	-.000669	0	0
74	PLATECORNER2B	PX	-.000669	-.000669	0	0
75	PLATECORNER2A	PX	-.000669	-.000669	0	0
76	PLATECORNER1C	PX	-.000335	-.000335	0	0
77	PLATECORNER1B	PX	-.000335	-.000335	0	0
78	PLATECORNER1A	PX	-.000335	-.000335	0	0
79	PLATE12	PX	-.000681	-.000681	0	0
80	PLATE11	PX	-.000681	-.000681	0	0
81	PLATE10	PX	-.000681	-.000681	0	0
82	PLATE9	PX	-.000681	-.000681	0	0
83	PLATE8	PX	-.000681	-.000681	0	0
84	PLATE7	PX	-.000681	-.000681	0	0
85	PLATE6	PX	-.000681	-.000681	0	0
86	PLATE5	PX	-.000681	-.000681	0	0
87	PLATE4	PX	-.000681	-.000681	0	0
88	PLATE3	PX	-.000681	-.000681	0	0
89	PLATE2	PX	-.000681	-.000681	0	0
90	PLATE1	PX	-.000681	-.000681	0	0
91	MP GAMMA3	PX	-.001	-.001	0	0
92	MP GAMMA2	PX	-.001	-.001	0	0
93	MP GAMMA1	PX	-.001	-.001	0	0
94	MP BETA3	PX	-.001	-.001	0	0
95	MP BETA2	PX	-.001	-.001	0	0
96	MP BETA1	PX	-.001	-.001	0	0
97	MP ALPHA3	PX	-.001	-.001	0	0
98	MP ALPHA2	PX	-.001	-.001	0	0
99	MP ALPHA1	PX	-.001	-.001	0	0
100	FACERAIL3	PX	-.000359	-.000359	0	0
101	FACERAIL2	PX	-.000359	-.000359	0	0
102	FACERAIL1	PX	-.000718	-.000718	0	0
103	FACEBOT3	PX	-.000448	-.000448	0	0
104	FACEBOT2	PX	-.000448	-.000448	0	0
105	FACEBOT1	PX	-.000897	-.000897	0	0
106	CR3B	PX	-.000508	-.000508	0	0
107	CR3A	PX	-.000508	-.000508	0	0
108	CR2B	PX	-.000508	-.000508	0	0
109	CR2A	PX	-.000508	-.000508	0	0
110	CR1B	PX	-.000508	-.000508	0	0
111	CR1A	PX	-.000508	-.000508	0	0
112	ANGLE3	PX	-.001	-.001	0	0
113	ANGLE2	PX	-.001	-.001	0	0
114	ANGLE1	PX	-.000615	-.000615	0	0



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**Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
115	MP ALPHA4	PX	-.001	-.001	0	0
116	KICKER2	PX	-.001	-.001	0	0
117	KIKCER1	PX	-.001	-.001	0	0
118	KICKER3	PX	-.001	-.001	0	0
119	MP BETA1	PX	-.001	-.001	0	0
120	MP BETA2	PX	-.001	-.001	0	0
121	MP GAMMA4	PY	.002	.002	0	0
122	MP GAMMA4	PX	-.001	-.001	0	0
123	MP BETA4	PY	.002	.002	0	0
124	MP BETA4	PX	-.001	-.001	0	0
125	MP GAMMA5	PY	.000622	.000622	0	0
126	MP GAMMA5	PX	-.000359	-.000359	0	0

**Member Distributed Loads (BLC 34 : Ice Wind Load (180))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.001	.001	0	0
2	SUP3A	PY	.001	.001	0	0
3	SUP2B	PY	.001	.001	0	0
4	SUP2A	PY	.001	.001	0	0
5	SUP1B	PY	.001	.001	0	0
6	SUP1A	PY	.001	.001	0	0
7	SO3	PY	.001	.001	0	0
8	SO2	PY	.001	.001	0	0
9	SO1	PY	.001	.001	0	0
10	PLATECORNER3C	PY	.001	.001	0	0
11	PLATECORNER3B	PY	.001	.001	0	0
12	PLATECORNER3A	PY	.001	.001	0	0
13	PLATECORNER2C	PY	.001	.001	0	0
14	PLATECORNER2B	PY	.001	.001	0	0
15	PLATECORNER2A	PY	.001	.001	0	0
16	PLATECORNER1C	PY	.000669	.000669	0	0
17	PLATECORNER1B	PY	.000669	.000669	0	0
18	PLATECORNER1A	PY	.000669	.000669	0	0
19	PLATE12	PY	.001	.001	0	0
20	PLATE11	PY	.001	.001	0	0
21	PLATE10	PY	.001	.001	0	0
22	PLATE9	PY	.001	.001	0	0
23	PLATE8	PY	.001	.001	0	0
24	PLATE7	PY	.001	.001	0	0
25	PLATE6	PY	.001	.001	0	0
26	PLATE5	PY	.001	.001	0	0
27	PLATE4	PY	.001	.001	0	0
28	PLATE3	PY	.001	.001	0	0
29	PLATE2	PY	.001	.001	0	0
30	PLATE1	PY	.001	.001	0	0
31	MP GAMMA3	PY	.002	.002	0	0
32	MP GAMMA2	PY	.002	.002	0	0
33	MP GAMMA1	PY	.002	.002	0	0
34	MP BETA3	PY	.002	.002	0	0
35	MP BETA2	PY	.002	.002	0	0
36	MP BETA1	PY	.002	.002	0	0
37	MP ALPHA3	PY	.002	.002	0	0
38	MP ALPHA2	PY	.002	.002	0	0
39	MP ALPHA1	PY	.002	.002	0	0
40	FACERAIL3	PY	.000718	.000718	0	0
41	FACERAIL2	PY	.000718	.000718	0	0



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**Member Distributed Loads (BLC 34 : Ice Wind Load (180)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
42	FACERAIL1	PY	.001	.001	0	0
43	FACEBOT3	PY	.000897	.000897	0	0
44	FACEBOT2	PY	.000897	.000897	0	0
45	FACEBOT1	PY	.002	.002	0	0
46	CR3B	PY	.001	.001	0	0
47	CR3A	PY	.001	.001	0	0
48	CR2B	PY	.001	.001	0	0
49	CR2A	PY	.001	.001	0	0
50	CR1B	PY	.001	.001	0	0
51	CR1A	PY	.001	.001	0	0
52	ANGLE3	PY	.002	.002	0	0
53	ANGLE2	PY	.002	.002	0	0
54	ANGLE1	PY	.001	.001	0	0
55	MP ALPHA4	PY	.002	.002	0	0
56	KICKER2	PY	.002	.002	0	0
57	KIKCER1	PY	.002	.002	0	0
58	KICKER3	PY	.002	.002	0	0
59	MP BETA1	PY	.002	.002	0	0
60	MP BETA2	PY	.002	.002	0	0
61	MP GAMMA4	PY	.002	.002	0	0
62	MP BETA4	PY	.002	.002	0	0
63	MP GAMMA5	PY	.000718	.000718	0	0

**Member Distributed Loads (BLC 35 : Ice Wind Load (210))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.00088	.00088	0	0
2	SUP3A	PY	.00088	.00088	0	0
3	SUP2B	PY	.00088	.00088	0	0
4	SUP2A	PY	.00088	.00088	0	0
5	SUP1B	PY	.00088	.00088	0	0
6	SUP1A	PY	.00088	.00088	0	0
7	SO3	PY	.00088	.00088	0	0
8	SO2	PY	.00088	.00088	0	0
9	SO1	PY	.00088	.00088	0	0
10	PLATECORNER3C	PY	.001	.001	0	0
11	PLATECORNER3B	PY	.001	.001	0	0
12	PLATECORNER3A	PY	.001	.001	0	0
13	PLATECORNER2C	PY	.001	.001	0	0
14	PLATECORNER2B	PY	.001	.001	0	0
15	PLATECORNER2A	PY	.001	.001	0	0
16	PLATECORNER1C	PY	.00058	.00058	0	0
17	PLATECORNER1B	PY	.00058	.00058	0	0
18	PLATECORNER1A	PY	.00058	.00058	0	0
19	PLATE12	PY	.001	.001	0	0
20	PLATE11	PY	.001	.001	0	0
21	PLATE10	PY	.001	.001	0	0
22	PLATE9	PY	.001	.001	0	0
23	PLATE8	PY	.001	.001	0	0
24	PLATE7	PY	.001	.001	0	0
25	PLATE6	PY	.001	.001	0	0
26	PLATE5	PY	.001	.001	0	0
27	PLATE4	PY	.001	.001	0	0
28	PLATE3	PY	.001	.001	0	0
29	PLATE2	PY	.001	.001	0	0
30	PLATE1	PY	.001	.001	0	0
31	MP GAMMA3	PY	.002	.002	0	0



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**Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP GAMMA2	PY	.002	.002	0	0
33	MP GAMMA1	PY	.002	.002	0	0
34	MP BETA3	PY	.002	.002	0	0
35	MP BETA2	PY	.002	.002	0	0
36	MP BETA1	PY	.002	.002	0	0
37	MP ALPHA3	PY	.002	.002	0	0
38	MP ALPHA2	PY	.002	.002	0	0
39	MP ALPHA1	PY	.002	.002	0	0
40	FACERAIL3	PY	.000622	.000622	0	0
41	FACERAIL2	PY	.000622	.000622	0	0
42	FACERAIL1	PY	.001	.001	0	0
43	FACEBOT3	PY	.000777	.000777	0	0
44	FACEBOT2	PY	.000777	.000777	0	0
45	FACEBOT1	PY	.002	.002	0	0
46	CR3B	PY	.00088	.00088	0	0
47	CR3A	PY	.00088	.00088	0	0
48	CR2B	PY	.00088	.00088	0	0
49	CR2A	PY	.00088	.00088	0	0
50	CR1B	PY	.00088	.00088	0	0
51	CR1A	PY	.00088	.00088	0	0
52	ANGLE3	PY	.002	.002	0	0
53	ANGLE2	PY	.002	.002	0	0
54	ANGLE1	PY	.001	.001	0	0
55	MP ALPHA4	PY	.002	.002	0	0
56	KICKER2	PY	.002	.002	0	0
57	KICKER1	PY	.002	.002	0	0
58	KICKER3	PY	.002	.002	0	0
59	MP BETA1	PY	.002	.002	0	0
60	MP BETA2	PY	.002	.002	0	0
61	SUP3B	PX	.000508	.000508	0	0
62	SUP3A	PX	.000508	.000508	0	0
63	SUP2B	PX	.000508	.000508	0	0
64	SUP2A	PX	.000508	.000508	0	0
65	SUP1B	PX	.000508	.000508	0	0
66	SUP1A	PX	.000508	.000508	0	0
67	SO3	PX	.000508	.000508	0	0
68	SO2	PX	.000508	.000508	0	0
69	SO1	PX	.000508	.000508	0	0
70	PLATECORNER3C	PX	.000669	.000669	0	0
71	PLATECORNER3B	PX	.000669	.000669	0	0
72	PLATECORNER3A	PX	.000669	.000669	0	0
73	PLATECORNER2C	PX	.000669	.000669	0	0
74	PLATECORNER2B	PX	.000669	.000669	0	0
75	PLATECORNER2A	PX	.000669	.000669	0	0
76	PLATECORNER1C	PX	.000335	.000335	0	0
77	PLATECORNER1B	PX	.000335	.000335	0	0
78	PLATECORNER1A	PX	.000335	.000335	0	0
79	PLATE12	PX	.000681	.000681	0	0
80	PLATE11	PX	.000681	.000681	0	0
81	PLATE10	PX	.000681	.000681	0	0
82	PLATE9	PX	.000681	.000681	0	0
83	PLATE8	PX	.000681	.000681	0	0
84	PLATE7	PX	.000681	.000681	0	0
85	PLATE6	PX	.000681	.000681	0	0
86	PLATE5	PX	.000681	.000681	0	0
87	PLATE4	PX	.000681	.000681	0	0
88	PLATE3	PX	.000681	.000681	0	0



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**Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
89	PLATE2	PX	.000681	.000681	0	0
90	PLATE1	PX	.000681	.000681	0	0
91	MP GAMMA3	PX	.001	.001	0	0
92	MP GAMMA2	PX	.001	.001	0	0
93	MP GAMMA1	PX	.001	.001	0	0
94	MP BETA3	PX	.001	.001	0	0
95	MP BETA2	PX	.001	.001	0	0
96	MP BETA1	PX	.001	.001	0	0
97	MP ALPHA3	PX	.001	.001	0	0
98	MP ALPHA2	PX	.001	.001	0	0
99	MP ALPHA1	PX	.001	.001	0	0
100	FACERAIL3	PX	.000359	.000359	0	0
101	FACERAIL2	PX	.000359	.000359	0	0
102	FACERAIL1	PX	.000718	.000718	0	0
103	FACEBOT3	PX	.000448	.000448	0	0
104	FACEBOT2	PX	.000448	.000448	0	0
105	FACEBOT1	PX	.000897	.000897	0	0
106	CR3B	PX	.000508	.000508	0	0
107	CR3A	PX	.000508	.000508	0	0
108	CR2B	PX	.000508	.000508	0	0
109	CR2A	PX	.000508	.000508	0	0
110	CR1B	PX	.000508	.000508	0	0
111	CR1A	PX	.000508	.000508	0	0
112	ANGLE3	PX	.001	.001	0	0
113	ANGLE2	PX	.001	.001	0	0
114	ANGLE1	PX	.000615	.000615	0	0
115	MP ALPHA4	PX	.001	.001	0	0
116	KICKER2	PX	.001	.001	0	0
117	KIKCER1	PX	.001	.001	0	0
118	KICKER3	PX	.001	.001	0	0
119	MP BETA1	PX	.001	.001	0	0
120	MP BETA2	PX	.001	.001	0	0
121	MP GAMMA4	PY	.002	.002	0	0
122	MP GAMMA4	PX	.001	.001	0	0
123	MP BETA4	PY	.002	.002	0	0
124	MP BETA4	PX	.001	.001	0	0
125	MP GAMMA5	PY	.000622	.000622	0	0
126	MP GAMMA5	PX	.000359	.000359	0	0

**Member Distributed Loads (BLC 36 : Ice Wind Load (240))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP3B	PY	.000508	.000508	0	0
2	SUP3A	PY	.000508	.000508	0	0
3	SUP2B	PY	.000508	.000508	0	0
4	SUP2A	PY	.000508	.000508	0	0
5	SUP1B	PY	.000508	.000508	0	0
6	SUP1A	PY	.000508	.000508	0	0
7	SO3	PY	.000508	.000508	0	0
8	SO2	PY	.000508	.000508	0	0
9	SO1	PY	.000508	.000508	0	0
10	PLATECORNER3C	PY	.000669	.000669	0	0
11	PLATECORNER3B	PY	.000669	.000669	0	0
12	PLATECORNER3A	PY	.000669	.000669	0	0
13	PLATECORNER2C	PY	.000669	.000669	0	0
14	PLATECORNER2B	PY	.000669	.000669	0	0
15	PLATECORNER2A	PY	.000669	.000669	0	0





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**Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
16	PLATECORNER1C	PY	.000335	.000335	0	0
17	PLATECORNER1B	PY	.000335	.000335	0	0
18	PLATECORNER1A	PY	.000335	.000335	0	0
19	PLATE12	PY	.000681	.000681	0	0
20	PLATE11	PY	.000681	.000681	0	0
21	PLATE10	PY	.000681	.000681	0	0
22	PLATE9	PY	.000681	.000681	0	0
23	PLATE8	PY	.000681	.000681	0	0
24	PLATE7	PY	.000681	.000681	0	0
25	PLATE6	PY	.000681	.000681	0	0
26	PLATE5	PY	.000681	.000681	0	0
27	PLATE4	PY	.000681	.000681	0	0
28	PLATE3	PY	.000681	.000681	0	0
29	PLATE2	PY	.000681	.000681	0	0
30	PLATE1	PY	.000681	.000681	0	0
31	MP GAMMA3	PY	.001	.001	0	0
32	MP GAMMA2	PY	.001	.001	0	0
33	MP GAMMA1	PY	.001	.001	0	0
34	MP BETA3	PY	.001	.001	0	0
35	MP BETA2	PY	.001	.001	0	0
36	MP BETA1	PY	.001	.001	0	0
37	MP ALPHA3	PY	.001	.001	0	0
38	MP ALPHA2	PY	.001	.001	0	0
39	MP ALPHA1	PY	.001	.001	0	0
40	FACERAIL3	PY	.000359	.000359	0	0
41	FACERAIL2	PY	.000359	.000359	0	0
42	FACERAIL1	PY	.000718	.000718	0	0
43	FACEBOT3	PY	.000448	.000448	0	0
44	FACEBOT2	PY	.000448	.000448	0	0
45	FACEBOT1	PY	.000897	.000897	0	0
46	CR3B	PY	.000508	.000508	0	0
47	CR3A	PY	.000508	.000508	0	0
48	CR2B	PY	.000508	.000508	0	0
49	CR2A	PY	.000508	.000508	0	0
50	CR1B	PY	.000508	.000508	0	0
51	CR1A	PY	.000508	.000508	0	0
52	ANGLE3	PY	.001	.001	0	0
53	ANGLE2	PY	.001	.001	0	0
54	ANGLE1	PY	.000615	.000615	0	0
55	MP ALPHA4	PY	.001	.001	0	0
56	KICKER2	PY	.001	.001	0	0
57	KIKCER1	PY	.001	.001	0	0
58	KICKER3	PY	.001	.001	0	0
59	MP BETA1	PY	.001	.001	0	0
60	MP BETA2	PY	.001	.001	0	0
61	SUP3B	PX	.00088	.00088	0	0
62	SUP3A	PX	.00088	.00088	0	0
63	SUP2B	PX	.00088	.00088	0	0
64	SUP2A	PX	.00088	.00088	0	0
65	SUP1B	PX	.00088	.00088	0	0
66	SUP1A	PX	.00088	.00088	0	0
67	SO3	PX	.00088	.00088	0	0
68	SO2	PX	.00088	.00088	0	0
69	SO1	PX	.00088	.00088	0	0
70	PLATECORNER3C	PX	.001	.001	0	0
71	PLATECORNER3B	PX	.001	.001	0	0
72	PLATECORNER3A	PX	.001	.001	0	0



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**Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
73	PLATECORNER2C	PX	.001	.001	0 0
74	PLATECORNER2B	PX	.001	.001	0 0
75	PLATECORNER2A	PX	.001	.001	0 0
76	PLATECORNER1C	PX	.00058	.00058	0 0
77	PLATECORNER1B	PX	.00058	.00058	0 0
78	PLATECORNER1A	PX	.00058	.00058	0 0
79	PLATE12	PX	.001	.001	0 0
80	PLATE11	PX	.001	.001	0 0
81	PLATE10	PX	.001	.001	0 0
82	PLATE9	PX	.001	.001	0 0
83	PLATE8	PX	.001	.001	0 0
84	PLATE7	PX	.001	.001	0 0
85	PLATE6	PX	.001	.001	0 0
86	PLATE5	PX	.001	.001	0 0
87	PLATE4	PX	.001	.001	0 0
88	PLATE3	PX	.001	.001	0 0
89	PLATE2	PX	.001	.001	0 0
90	PLATE1	PX	.001	.001	0 0
91	MP GAMMA3	PX	.002	.002	0 0
92	MP GAMMA2	PX	.002	.002	0 0
93	MP GAMMA1	PX	.002	.002	0 0
94	MP BETA3	PX	.002	.002	0 0
95	MP BETA2	PX	.002	.002	0 0
96	MP BETA1	PX	.002	.002	0 0
97	MP ALPHA3	PX	.002	.002	0 0
98	MP ALPHA2	PX	.002	.002	0 0
99	MP ALPHA1	PX	.002	.002	0 0
100	FACERAIL3	PX	.000622	.000622	0 0
101	FACERAIL2	PX	.000622	.000622	0 0
102	FACERAIL1	PX	.001	.001	0 0
103	FACEBOT3	PX	.000777	.000777	0 0
104	FACEBOT2	PX	.000777	.000777	0 0
105	FACEBOT1	PX	.002	.002	0 0
106	CR3B	PX	.00088	.00088	0 0
107	CR3A	PX	.00088	.00088	0 0
108	CR2B	PX	.00088	.00088	0 0
109	CR2A	PX	.00088	.00088	0 0
110	CR1B	PX	.00088	.00088	0 0
111	CR1A	PX	.00088	.00088	0 0
112	ANGLE3	PX	.002	.002	0 0
113	ANGLE2	PX	.002	.002	0 0
114	ANGLE1	PX	.001	.001	0 0
115	MP ALPHA4	PX	.002	.002	0 0
116	KICKER2	PX	.002	.002	0 0
117	KIKCER1	PX	.002	.002	0 0
118	KICKER3	PX	.002	.002	0 0
119	MP BETA1	PX	.002	.002	0 0
120	MP BETA2	PX	.002	.002	0 0
121	MP GAMMA4	PY	.001	.001	0 0
122	MP GAMMA4	PX	.002	.002	0 0
123	MP BETA4	PY	.001	.001	0 0
124	MP BETA4	PX	.002	.002	0 0
125	MP GAMMA5	PY	.000359	.000359	0 0
126	MP GAMMA5	PX	.000622	.000622	0 0

**Member Distributed Loads (BLC 37 : Ice Wind Load (270))**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
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**Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PX	.001	.001	0 0
2	SUP3A	PX	.001	.001	0 0
3	SUP2B	PX	.001	.001	0 0
4	SUP2A	PX	.001	.001	0 0
5	SUP1B	PX	.001	.001	0 0
6	SUP1A	PX	.001	.001	0 0
7	SO3	PX	.001	.001	0 0
8	SO2	PX	.001	.001	0 0
9	SO1	PX	.001	.001	0 0
10	PLATECORNER3C	PX	.001	.001	0 0
11	PLATECORNER3B	PX	.001	.001	0 0
12	PLATECORNER3A	PX	.001	.001	0 0
13	PLATECORNER2C	PX	.001	.001	0 0
14	PLATECORNER2B	PX	.001	.001	0 0
15	PLATECORNER2A	PX	.001	.001	0 0
16	PLATECORNER1C	PX	.000669	.000669	0 0
17	PLATECORNER1B	PX	.000669	.000669	0 0
18	PLATECORNER1A	PX	.000669	.000669	0 0
19	PLATE12	PX	.001	.001	0 0
20	PLATE11	PX	.001	.001	0 0
21	PLATE10	PX	.001	.001	0 0
22	PLATE9	PX	.001	.001	0 0
23	PLATE8	PX	.001	.001	0 0
24	PLATE7	PX	.001	.001	0 0
25	PLATE6	PX	.001	.001	0 0
26	PLATE5	PX	.001	.001	0 0
27	PLATE4	PX	.001	.001	0 0
28	PLATE3	PX	.001	.001	0 0
29	PLATE2	PX	.001	.001	0 0
30	PLATE1	PX	.001	.001	0 0
31	MP GAMMA3	PX	.002	.002	0 0
32	MP GAMMA2	PX	.002	.002	0 0
33	MP GAMMA1	PX	.002	.002	0 0
34	MP BETA3	PX	.002	.002	0 0
35	MP BETA2	PX	.002	.002	0 0
36	MP BETA1	PX	.002	.002	0 0
37	MP ALPHA3	PX	.002	.002	0 0
38	MP ALPHA2	PX	.002	.002	0 0
39	MP ALPHA1	PX	.002	.002	0 0
40	FACERAIL3	PX	.000718	.000718	0 0
41	FACERAIL2	PX	.000718	.000718	0 0
42	FACERAIL1	PX	.001	.001	0 0
43	FACEBOT3	PX	.000897	.000897	0 0
44	FACEBOT2	PX	.000897	.000897	0 0
45	FACEBOT1	PX	.002	.002	0 0
46	CR3B	PX	.001	.001	0 0
47	CR3A	PX	.001	.001	0 0
48	CR2B	PX	.001	.001	0 0
49	CR2A	PX	.001	.001	0 0
50	CR1B	PX	.001	.001	0 0
51	CR1A	PX	.001	.001	0 0
52	ANGLE3	PX	.002	.002	0 0
53	ANGLE2	PX	.002	.002	0 0
54	ANGLE1	PX	.001	.001	0 0
55	MP ALPHA4	PX	.002	.002	0 0
56	KICKER2	PX	.002	.002	0 0
57	KIKCER1	PX	.002	.002	0 0



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**Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
58	KICKER3	PX	.002	.002	0	0
59	MP BETA1	PX	.002	.002	0	0
60	MP BETA2	PX	.002	.002	0	0
61	MP GAMMA4	PX	.002	.002	0	0
62	MP BETA4	PX	.002	.002	0	0
63	MP GAMMA5	PX	.000718	.000718	0	0

**Member Distributed Loads (BLC 38 : Ice Wind Load (300))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000508	-.000508	0	0
2	SUP3A	PY	-.000508	-.000508	0	0
3	SUP2B	PY	-.000508	-.000508	0	0
4	SUP2A	PY	-.000508	-.000508	0	0
5	SUP1B	PY	-.000508	-.000508	0	0
6	SUP1A	PY	-.000508	-.000508	0	0
7	SO3	PY	-.000508	-.000508	0	0
8	SO2	PY	-.000508	-.000508	0	0
9	SO1	PY	-.000508	-.000508	0	0
10	PLATECORNER3C	PY	-.000669	-.000669	0	0
11	PLATECORNER3B	PY	-.000669	-.000669	0	0
12	PLATECORNER3A	PY	-.000669	-.000669	0	0
13	PLATECORNER2C	PY	-.000669	-.000669	0	0
14	PLATECORNER2B	PY	-.000669	-.000669	0	0
15	PLATECORNER2A	PY	-.000669	-.000669	0	0
16	PLATECORNER1C	PY	-.000335	-.000335	0	0
17	PLATECORNER1B	PY	-.000335	-.000335	0	0
18	PLATECORNER1A	PY	-.000335	-.000335	0	0
19	PLATE12	PY	-.000681	-.000681	0	0
20	PLATE11	PY	-.000681	-.000681	0	0
21	PLATE10	PY	-.000681	-.000681	0	0
22	PLATE9	PY	-.000681	-.000681	0	0
23	PLATE8	PY	-.000681	-.000681	0	0
24	PLATE7	PY	-.000681	-.000681	0	0
25	PLATE6	PY	-.000681	-.000681	0	0
26	PLATE5	PY	-.000681	-.000681	0	0
27	PLATE4	PY	-.000681	-.000681	0	0
28	PLATE3	PY	-.000681	-.000681	0	0
29	PLATE2	PY	-.000681	-.000681	0	0
30	PLATE1	PY	-.000681	-.000681	0	0
31	MP GAMMA3	PY	-.001	-.001	0	0
32	MP GAMMA2	PY	-.001	-.001	0	0
33	MP GAMMA1	PY	-.001	-.001	0	0
34	MP BETA3	PY	-.001	-.001	0	0
35	MP BETA2	PY	-.001	-.001	0	0
36	MP BETA1	PY	-.001	-.001	0	0
37	MP ALPHA3	PY	-.001	-.001	0	0
38	MP ALPHA2	PY	-.001	-.001	0	0
39	MP ALPHA1	PY	-.001	-.001	0	0
40	FACERAIL3	PY	-.000359	-.000359	0	0
41	FACERAIL2	PY	-.000359	-.000359	0	0
42	FACERAIL1	PY	-.000718	-.000718	0	0
43	FACEBOT3	PY	-.000448	-.000448	0	0
44	FACEBOT2	PY	-.000448	-.000448	0	0
45	FACEBOT1	PY	-.000897	-.000897	0	0
46	CR3B	PY	-.000508	-.000508	0	0
47	CR3A	PY	-.000508	-.000508	0	0



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**Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
48	CR2B	PY	-0.00508	-0.00508	0 0
49	CR2A	PY	-0.00508	-0.00508	0 0
50	CR1B	PY	-0.00508	-0.00508	0 0
51	CR1A	PY	-0.00508	-0.00508	0 0
52	ANGLE3	PY	-.001	-.001	0 0
53	ANGLE2	PY	-.001	-.001	0 0
54	ANGLE1	PY	-.000615	-.000615	0 0
55	MP ALPHA4	PY	-.001	-.001	0 0
56	KICKER2	PY	-.001	-.001	0 0
57	KIKCER1	PY	-.001	-.001	0 0
58	KICKER3	PY	-.001	-.001	0 0
59	MP BETA1	PY	-.001	-.001	0 0
60	MP BETA2	PY	-.001	-.001	0 0
61	SUP3B	PX	.00088	.00088	0 0
62	SUP3A	PX	.00088	.00088	0 0
63	SUP2B	PX	.00088	.00088	0 0
64	SUP2A	PX	.00088	.00088	0 0
65	SUP1B	PX	.00088	.00088	0 0
66	SUP1A	PX	.00088	.00088	0 0
67	SO3	PX	.00088	.00088	0 0
68	SO2	PX	.00088	.00088	0 0
69	SO1	PX	.00088	.00088	0 0
70	PLATECORNER3C	PX	.001	.001	0 0
71	PLATECORNER3B	PX	.001	.001	0 0
72	PLATECORNER3A	PX	.001	.001	0 0
73	PLATECORNER2C	PX	.001	.001	0 0
74	PLATECORNER2B	PX	.001	.001	0 0
75	PLATECORNER2A	PX	.001	.001	0 0
76	PLATECORNER1C	PX	.00058	.00058	0 0
77	PLATECORNER1B	PX	.00058	.00058	0 0
78	PLATECORNER1A	PX	.00058	.00058	0 0
79	PLATE12	PX	.001	.001	0 0
80	PLATE11	PX	.001	.001	0 0
81	PLATE10	PX	.001	.001	0 0
82	PLATE9	PX	.001	.001	0 0
83	PLATE8	PX	.001	.001	0 0
84	PLATE7	PX	.001	.001	0 0
85	PLATE6	PX	.001	.001	0 0
86	PLATE5	PX	.001	.001	0 0
87	PLATE4	PX	.001	.001	0 0
88	PLATE3	PX	.001	.001	0 0
89	PLATE2	PX	.001	.001	0 0
90	PLATE1	PX	.001	.001	0 0
91	MP GAMMA3	PX	.002	.002	0 0
92	MP GAMMA2	PX	.002	.002	0 0
93	MP GAMMA1	PX	.002	.002	0 0
94	MP BETA3	PX	.002	.002	0 0
95	MP BETA2	PX	.002	.002	0 0
96	MP BETA1	PX	.002	.002	0 0
97	MP ALPHA3	PX	.002	.002	0 0
98	MP ALPHA2	PX	.002	.002	0 0
99	MP ALPHA1	PX	.002	.002	0 0
100	FACERAIL3	PX	.000622	.000622	0 0
101	FACERAIL2	PX	.000622	.000622	0 0
102	FACERAIL1	PX	.001	.001	0 0
103	FACEBOT3	PX	.000777	.000777	0 0
104	FACEBOT2	PX	.000777	.000777	0 0



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**Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
105	FACEBOT1	PX	.002	.002	0	0
106	CR3B	PX	.00088	.00088	0	0
107	CR3A	PX	.00088	.00088	0	0
108	CR2B	PX	.00088	.00088	0	0
109	CR2A	PX	.00088	.00088	0	0
110	CR1B	PX	.00088	.00088	0	0
111	CR1A	PX	.00088	.00088	0	0
112	ANGLE3	PX	.002	.002	0	0
113	ANGLE2	PX	.002	.002	0	0
114	ANGLE1	PX	.001	.001	0	0
115	MP ALPHA4	PX	.002	.002	0	0
116	KICKER2	PX	.002	.002	0	0
117	KIKCER1	PX	.002	.002	0	0
118	KICKER3	PX	.002	.002	0	0
119	MP BETA1	PX	.002	.002	0	0
120	MP BETA2	PX	.002	.002	0	0
121	MP GAMMA4	PY	-.001	-.001	0	0
122	MP GAMMA4	PX	.002	.002	0	0
123	MP BETA4	PY	-.001	-.001	0	0
124	MP BETA4	PX	.002	.002	0	0
125	MP GAMMA5	PY	-.000359	-.000359	0	0
126	MP GAMMA5	PX	.000622	.000622	0	0

**Member Distributed Loads (BLC 39 : Ice Wind Load (330))**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.00088	-.00088	0	0
2	SUP3A	PY	-.00088	-.00088	0	0
3	SUP2B	PY	-.00088	-.00088	0	0
4	SUP2A	PY	-.00088	-.00088	0	0
5	SUP1B	PY	-.00088	-.00088	0	0
6	SUP1A	PY	-.00088	-.00088	0	0
7	SO3	PY	-.00088	-.00088	0	0
8	SO2	PY	-.00088	-.00088	0	0
9	SO1	PY	-.00088	-.00088	0	0
10	PLATECORNER3C	PY	-.001	-.001	0	0
11	PLATECORNER3B	PY	-.001	-.001	0	0
12	PLATECORNER3A	PY	-.001	-.001	0	0
13	PLATECORNER2C	PY	-.001	-.001	0	0
14	PLATECORNER2B	PY	-.001	-.001	0	0
15	PLATECORNER2A	PY	-.001	-.001	0	0
16	PLATECORNER1C	PY	-.00058	-.00058	0	0
17	PLATECORNER1B	PY	-.00058	-.00058	0	0
18	PLATECORNER1A	PY	-.00058	-.00058	0	0
19	PLATE12	PY	-.001	-.001	0	0
20	PLATE11	PY	-.001	-.001	0	0
21	PLATE10	PY	-.001	-.001	0	0
22	PLATE9	PY	-.001	-.001	0	0
23	PLATE8	PY	-.001	-.001	0	0
24	PLATE7	PY	-.001	-.001	0	0
25	PLATE6	PY	-.001	-.001	0	0
26	PLATE5	PY	-.001	-.001	0	0
27	PLATE4	PY	-.001	-.001	0	0
28	PLATE3	PY	-.001	-.001	0	0
29	PLATE2	PY	-.001	-.001	0	0
30	PLATE1	PY	-.001	-.001	0	0
31	MP GAMMA3	PY	-.002	-.002	0	0



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**Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)**

Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]	
32	MP GAMMA2	PY	-0.002	-0.002	0	0
33	MP GAMMA1	PY	-0.002	-0.002	0	0
34	MP BETA3	PY	-0.002	-0.002	0	0
35	MP BETA2	PY	-0.002	-0.002	0	0
36	MP BETA1	PY	-0.002	-0.002	0	0
37	MP ALPHA3	PY	-0.002	-0.002	0	0
38	MP ALPHA2	PY	-0.002	-0.002	0	0
39	MP ALPHA1	PY	-0.002	-0.002	0	0
40	FACERAIL3	PY	-0.00622	-0.00622	0	0
41	FACERAIL2	PY	-0.00622	-0.00622	0	0
42	FACERAIL1	PY	-0.001	-0.001	0	0
43	FACEBOT3	PY	-0.00777	-0.00777	0	0
44	FACEBOT2	PY	-0.00777	-0.00777	0	0
45	FACEBOT1	PY	-0.002	-0.002	0	0
46	CR3B	PY	-0.0088	-0.0088	0	0
47	CR3A	PY	-0.0088	-0.0088	0	0
48	CR2B	PY	-0.0088	-0.0088	0	0
49	CR2A	PY	-0.0088	-0.0088	0	0
50	CR1B	PY	-0.0088	-0.0088	0	0
51	CR1A	PY	-0.0088	-0.0088	0	0
52	ANGLE3	PY	-0.002	-0.002	0	0
53	ANGLE2	PY	-0.002	-0.002	0	0
54	ANGLE1	PY	-0.001	-0.001	0	0
55	MP ALPHA4	PY	-0.002	-0.002	0	0
56	KICKER2	PY	-0.002	-0.002	0	0
57	KICKER1	PY	-0.002	-0.002	0	0
58	KICKER3	PY	-0.002	-0.002	0	0
59	MP BETA1	PY	-0.002	-0.002	0	0
60	MP BETA2	PY	-0.002	-0.002	0	0
61	SUP3B	PX	.000508	.000508	0	0
62	SUP3A	PX	.000508	.000508	0	0
63	SUP2B	PX	.000508	.000508	0	0
64	SUP2A	PX	.000508	.000508	0	0
65	SUP1B	PX	.000508	.000508	0	0
66	SUP1A	PX	.000508	.000508	0	0
67	SO3	PX	.000508	.000508	0	0
68	SO2	PX	.000508	.000508	0	0
69	SO1	PX	.000508	.000508	0	0
70	PLATECORNER3C	PX	.000669	.000669	0	0
71	PLATECORNER3B	PX	.000669	.000669	0	0
72	PLATECORNER3A	PX	.000669	.000669	0	0
73	PLATECORNER2C	PX	.000669	.000669	0	0
74	PLATECORNER2B	PX	.000669	.000669	0	0
75	PLATECORNER2A	PX	.000669	.000669	0	0
76	PLATECORNER1C	PX	.000335	.000335	0	0
77	PLATECORNER1B	PX	.000335	.000335	0	0
78	PLATECORNER1A	PX	.000335	.000335	0	0
79	PLATE12	PX	.000681	.000681	0	0
80	PLATE11	PX	.000681	.000681	0	0
81	PLATE10	PX	.000681	.000681	0	0
82	PLATE9	PX	.000681	.000681	0	0
83	PLATE8	PX	.000681	.000681	0	0
84	PLATE7	PX	.000681	.000681	0	0
85	PLATE6	PX	.000681	.000681	0	0
86	PLATE5	PX	.000681	.000681	0	0
87	PLATE4	PX	.000681	.000681	0	0
88	PLATE3	PX	.000681	.000681	0	0



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**Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
89	PLATE2	PX	.000681	.000681	0	0
90	PLATE1	PX	.000681	.000681	0	0
91	MP GAMMA3	PX	.001	.001	0	0
92	MP GAMMA2	PX	.001	.001	0	0
93	MP GAMMA1	PX	.001	.001	0	0
94	MP BETA3	PX	.001	.001	0	0
95	MP BETA2	PX	.001	.001	0	0
96	MP BETA1	PX	.001	.001	0	0
97	MP ALPHA3	PX	.001	.001	0	0
98	MP ALPHA2	PX	.001	.001	0	0
99	MP ALPHA1	PX	.001	.001	0	0
100	FACERAIL3	PX	.000359	.000359	0	0
101	FACERAIL2	PX	.000359	.000359	0	0
102	FACERAIL1	PX	.000718	.000718	0	0
103	FACEBOT3	PX	.000448	.000448	0	0
104	FACEBOT2	PX	.000448	.000448	0	0
105	FACEBOT1	PX	.000897	.000897	0	0
106	CR3B	PX	.000508	.000508	0	0
107	CR3A	PX	.000508	.000508	0	0
108	CR2B	PX	.000508	.000508	0	0
109	CR2A	PX	.000508	.000508	0	0
110	CR1B	PX	.000508	.000508	0	0
111	CR1A	PX	.000508	.000508	0	0
112	ANGLE3	PX	.001	.001	0	0
113	ANGLE2	PX	.001	.001	0	0
114	ANGLE1	PX	.000615	.000615	0	0
115	MP ALPHA4	PX	.001	.001	0	0
116	KICKER2	PX	.001	.001	0	0
117	KIKCER1	PX	.001	.001	0	0
118	KICKER3	PX	.001	.001	0	0
119	MP BETA1	PX	.001	.001	0	0
120	MP BETA2	PX	.001	.001	0	0
121	MP GAMMA4	PY	-.002	-.002	0	0
122	MP GAMMA4	PX	.001	.001	0	0
123	MP BETA4	PY	-.002	-.002	0	0
124	MP BETA4	PX	.001	.001	0	0
125	MP GAMMA5	PY	-.000622	-.000622	0	0
126	MP GAMMA5	PX	.000359	.000359	0	0

**Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SUP1B	Z	-.002	-.011	0	1.347
2	SUP1B	Z	-.011	-.014	1.347	2.694
3	SUP1B	Z	-.014	-.009	2.694	4.041
4	SUP1A	Z	-.015	-.009	0	1.617
5	SUP1A	Z	-.009	-.003	1.617	3.233
6	SUP3B	Z	-.002	-.011	0	1.347
7	SUP3B	Z	-.011	-.014	1.347	2.694
8	SUP3B	Z	-.014	-.009	2.694	4.041
9	SUP3A	Z	-.015	-.009	0	1.617
10	SUP3A	Z	-.009	-.003	1.617	3.233
11	SUP2B	Z	-.002	-.011	0	1.347
12	SUP2B	Z	-.011	-.014	1.347	2.694
13	SUP2B	Z	-.014	-.009	2.694	4.041
14	SUP2A	Z	-.003	-.009	.808	2.425
15	SUP2A	Z	-.009	-.015	2.425	4.041





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**Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads)**

Member Label	Direction	Start Magnitude[k/f,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1 SUP1B	Z	-0.04	-0.013	.808	2.425
2 SUP1B	Z	-0.013	-0.022	2.425	4.041
3 SUP1A	Z	-0.013	-0.019	0	1.347
4 SUP1A	Z	-0.019	-0.016	1.347	2.694
5 SUP1A	Z	-0.016	-0.003	2.694	4.041
6 SUP3B	Z	-0.04	-0.013	.808	2.425
7 SUP3B	Z	-0.013	-0.022	2.425	4.041
8 SUP3A	Z	-0.013	-0.019	0	1.347
9 SUP3A	Z	-0.019	-0.016	1.347	2.694
10 SUP3A	Z	-0.016	-0.003	2.694	4.041
11 SUP2B	Z	-0.003	-0.016	0	1.347
12 SUP2B	Z	-0.016	-0.019	1.347	2.694
13 SUP2B	Z	-0.019	-0.013	2.694	4.041
14 SUP2A	Z	-0.04	-0.013	.808	2.425
15 SUP2A	Z	-0.013	-0.022	2.425	4.041

**Member Area Loads (BLC 3 : Dead Load)**

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1 N89A	N87A	N90		Z	Two Way	-.01
2 N86A	N88A	N91		Z	Two Way	-.01
3 N91A	N89	N87B		Z	Two Way	-.01

**Member Area Loads (BLC 27 : Ice Dead Load)**

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1 N89A	N87A	N90		Z	Two Way	-.014
2 N86A	N88A	N91		Z	Two Way	-.014
3 N91A	N89	N87B		Z	Two Way	-.014

**Envelope Joint Reactions**

Joint	X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1 N21	max	1.182	11	3.427	2	1.16	12	1.471	18	1.383	11	1.294	29
2	min	-1.172	29	-6.495	20	.445	26	.531	2	-1.33	29	-1.33	11
3 N185B	max	5.436	8	3.449	5	1.06	24	.936	17	1.304	17	1.424	17
4	min	-2.726	26	-1.853	23	.341	5	-1.787	35	-.248	35	-1.467	35
5 N187B	max	2.581	14	3.141	35	1.097	6	1.025	23	-.015	8	1.251	5
6	min	-5.4	32	-1.571	17	.422	26	-1.516	5	-1.449	27	-1.305	23
7 N205A	max	.148	29	4.788	20	2.11	20	0	41	.093	32	.219	14
8	min	-.154	11	-1.062	2	-.451	2	0	1	-.094	14	-.216	32
9 N209A	max	.816	26	.457	26	2.075	8	.101	2	.058	2	.272	2
10	min	-4.065	8	-2.357	8	-.399	26	-.088	20	-.051	20	-.236	20
11 N213	max	3.991	32	.356	14	2.025	32	.091	8	.059	26	.274	26
12	min	-.645	14	-2.256	32	-.313	14	-.102	26	-.052	8	-.244	8
13 Totals:	max	6.109	11	4.523	2	8.088	15						
14	min	-4.109	29	-4.443	20	4.197	32						

**Basic Load Cases**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(...
1 Live Load	DL					1		
2 Wind Load (0)	DL					31	63	
3 Dead Load	DL			-1.1		31		3
4 Wind Load (30)	DL					63	126	
5 Wind Load (60)	DL					63	126	



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Basic Load Cases (Continued)**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me... Surface(...
6 Wind Load (90)	DL					33	63
7 Wind Load (120)	DL					63	126
8 Wind Load (150)	DL					63	126
9 Wind Load (180)	DL					30	63
10 Wind Load (210)	DL					63	126
11 Wind Load (240)	DL					63	126
12 Wind Load (270)	DL					33	63
13 Wind Load (300)	DL					63	126
14 Wind Load (330)	DL					63	126
15 Maintenance (0)	DL					30	63
16 Maintenance (30)	DL					60	126
17 Maintenance (60)	DL					60	126
18 Maintenance (90)	DL					30	63
19 Maintenance (120)	DL					60	126
20 Maintenance (150)	DL					60	126
21 Maintenance (180)	DL					30	63
22 Maintenance (210)	DL					60	126
23 Maintenance (240)	DL					60	126
24 Maintenance (270)	DL					30	63
25 Maintenance (300)	DL					60	126
26 Maintenance (330)	DL					60	126
27 Ice Dead Load	DL					31	63 3
28 Ice Wind Load (0)	DL					33	63
29 Ice Wind Load (30)	DL					63	126
30 Ice Wind Load (60)	DL					63	126
31 Ice Wind Load (90)	DL					33	63
32 Ice Wind Load (120)	DL					63	126
33 Ice Wind Load (150)	DL					63	126
34 Ice Wind Load (180)	DL					30	63
35 Ice Wind Load (210)	DL					63	126
36 Ice Wind Load (240)	DL					63	126
37 Ice Wind Load (270)	DL					33	63
38 Ice Wind Load (300)	DL					63	126
39 Ice Wind Load (330)	DL					63	126
40 Earthquake (x-direction)	DL	- .105				31	
41 Earthquake (y-direction)	DL		- .105			31	
42 Earthquake (z-direction)	DL			- .042		31	
43 BLC 3 Transient Area Loads	None						15
44 BLC 27 Transient Area Lo...	None						15

**Load Combinations**

Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1 1.4D	Yes	Y		3	1.4														
2 1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1												
3 1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1										
4 1.2D + 1.5L + 1.0Wi(0)	Yes	Y		3	1.2	1	1.5	15	1										
5 1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1												
6 1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1										
7 1.2D + 1.5L + 1.0Wi(30)	Yes	Y		3	1.2	1	1.5	16	1										
8 1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1												
9 1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1										
10 1.2D + 1.5L + 1.0Wi(60)	Yes	Y		3	1.2	1	1.5	17	1										
11 1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1												
12 1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1										
13 1.2D + 1.5L + 1.0Wi(90)	Yes	Y		3	1.2	1	1.5	18	1										



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Load Combinations (Continued)**

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1															
15	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y		3	1.2	27	1	32	1													
16	1.2D + 1.5L + 1.0Wi(120)	Yes	Y		3	1.2	1	1.5	19	1													
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1															
18	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y		3	1.2	27	1	33	1													
19	1.2D + 1.5L + 1.0Wi(150)	Yes	Y		3	1.2	1	1.5	20	1													
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1															
21	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y		3	1.2	27	1	34	1													
22	1.2D + 1.5L + 1.0Wi(180)	Yes	Y		3	1.2	1	1.5	21	1													
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1															
24	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y		3	1.2	27	1	35	1													
25	1.2D + 1.5L + 1.0Wi(210)	Yes	Y		3	1.2	1	1.5	22	1													
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1															
27	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y		3	1.2	27	1	36	1													
28	1.2D + 1.5L + 1.0Wi(240)	Yes	Y		3	1.2	1	1.5	23	1													
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1															
30	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y		3	1.2	27	1	37	1													
31	1.2D + 1.5L + 1.0Wi(270)	Yes	Y		3	1.2	1	1.5	24	1													
32	1.2D + 1.0W(300)	Yes	Y		3	1.2	13	1															
33	1.2D + 1.0Di + 1.0Wi(300)	Yes	Y		3	1.2	27	1	38	1													
34	1.2D + 1.5L + 1.0Wi(300)	Yes	Y		3	1.2	1	1.5	25	1													
35	1.2D + 1.0W(330)	Yes	Y		3	1.2	14	1															
36	1.2D + 1.0Di + 1.0Wi(330)	Yes	Y		3	1.2	27	1	39	1													
37	1.2D + 1.5L + 1.0Wi(330)	Yes	Y		3	1.2	1	1.5	26	1													
38	1.2D + 1.0E(x) + 1.0E(z) + L	Yes	Y		3	1.2	40	1	42	1	1	1											
39	1.2D + 1.0E(y) + 1.0E(z) + L	Yes	Y		3	1.2	41	1	42	1	1	1											
40	1.2D - 1.0E(x) + 1.0E(z) + L	Yes	Y		3	1.2	40	-1	42	1	1	1											
41	1.2D - 1.0E(y) + 1.0E(z) + L	Yes	Y		3	1.2	41	-1	42	1	1	1											

**Envelope AISC 14th(360-10): LRFD Steel Code Checks**

Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo....	LC	phi*...	phi*...	phi*...	phi*...	Eqn
1	MP ALPHA3 PIPE 2.0	.697	.5	20	.130	.5	5	14.9...	32.13	1.872	1.872	...H1-...
2	MP BETA3 PIPE 2.0	.685	3.5	32	.151	.5	17	14.9...	32.13	1.872	1.872	...H1-...
3	MP GAMMA3 PIPE 2.0	.683	3.5	8	.093	.5	29	14.9...	32.13	1.872	1.872	...H1-...
4	MP BETA2 PIPE 2.0	.597	.5	32	.146	.5	14	14.9...	32.13	1.872	1.872	...H1-...
5	MP ALPHA2 PIPE 2.0	.553	.5	20	.156	.5	2	14.9...	32.13	1.872	1.872	...H1-...
6	ANGLE2 L2.5x2.5x3	.547	0	20	.158	1....y	17	26.9...	29.1...	.873	1.972	...H2-1
7	FACERAIL2 PIPE 2.0	.488	.5...	17	.363	11...	14	6.295	32.13	1.872	1.872	...H3-6
8	ANGLE3 L2.5x2.5x3	.483	1....	17	.134	1....y	29	26.9...	29.1...	.873	1.972	...H2-1
9	ANGLE1 L2.5x2.5x3	.470	0	8	.142	1....y	5	26.9...	29.1...	.873	1.972	...H2-1
10	FACERAIL1 PIPE 2.0	.456	3....	2	.368	.26	17	6.295	32.13	1.872	1.872	...H3-6
11	FACERAIL3 PIPE 2.0	.418	8....	26	.338	12...	5	6.295	32.13	1.872	1.872	...H3-6
12	MP GAMMA5 PIPE 2.0	.415	.5	8	.086	.5	23	14.9...	32.13	1.872	1.872	...H1-...
13	MP GAMMA2 PIPE 2.0	.397	.5	8	.116	.5	23	14.9...	32.13	1.872	1.872	...H1-...
14	MP BETA4 PIPE 2.0	.348	.5	20	.252	3.5	14	14.9...	32.13	1.872	1.872	...H1-...
15	MP ALPHA4 PIPE 2.0	.332	3.5	2	.244	3.5	2	14.9...	32.13	1.872	1.872	...H3-6
16	MP BETA1 PIPE 2.0	.324	.5...	5	.203	3....	14	12.1...	32.13	1.872	1.872	...H1-...
17	MP ALPHA1 PIPE 2.0	.303	.5...	29	.194	3....	2	12.1...	32.13	1.872	1.872	...H1-...
18	MP GAMMA1 PIPE 2.0	.290	.5...	17	.158	3....	26	12.1...	32.13	1.872	1.872	...H1-...
19	MP GAMMA4 PIPE 2.0	.289	.5	35	.214	3.5	26	14.9...	32.13	1.872	1.872	...H1-...
20	KICKER1 LL2.5x2.5...	.202	0	2	.022	0	z 35	43.9...	58.32	3.954	2.55	...H1-...
21	SUP1A L2x2x3	.198	4....	2	.014	4....z	3	10.3...	23.3...	.558	1.239	...H2-1
22	PLATECORN... 6x.675	.195	.5...	5	.167	.5....y	2	105...	131...	1.845	16.4...	...H1-...
23	SUP1B L2x2x3	.193	0	17	.014	0	z 17	10.3...	23.3...	.558	1.239	...H2-1
24	KICKER3 LL2.5x2.5...	.190	0	26	.020	0	z 23	43.9...	58.32	3.954	2.55	...H1-...



Company : POD  
 Designer : UT  
 Job Number : 20-65184  
 Model Name : 806364

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**Envelope AISC 14th(360-10): LRFD Steel Code Checks (Continued)**

Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo...	LC	phi*	phi*	phi*	phi*	Eqn		
25	SUP3B	L2x2x3	.188	0	2	.014	0	z	3	10.3	23.3	.558	1.239	H2-1
26	PLATECORN...	6x.675	.188	.5	17	.169	.5	y	26	105	131	1.845	16.4	H1-
27	SUP3A	L2x2x3	.180	4	26	.014	4	z	27	10.3	23.3	.558	1.239	H2-1
28	SUP2B	L2x2x3	.180	0	26	.015	0	z	27	10.3	23.3	.558	1.239	H2-1
29	SUP2A	L2x2x3	.178	0	14	.013	0	y	15	10.3	23.3	.558	1.239	H2-1
30	PLATECORN...	6x.675	.178	.5	29	.166	.5	y	26	105	131	1.845	16.4	H1-
31	KICKER2	LL2.5x2.5...	.171	0	26	.018	0	z	11	43.9	58.32	3.954	2.55	H1-
32	FACEBOT2	PIPE 3.0	.157	8	5	.227	8		32	28.2	65.2	5.749	5.749	H1-
33	FACEBOT1	PIPE 3.0	.147	4	29	.253	4		20	28.2	65.2	5.749	5.749	H1-
34	CR2A	HSS4X4X4	.141	2	23	.050	.5	y	26	136	139	16.1	16.1	H1-
35	SO3	HSS4X4X4	.140	5	11	.132	5	y	11	124	139	16.1	16.1	H1-
36	SO1	HSS4X4X4	.139	5	35	.156	5	y	35	124	139	16.1	16.1	H1-
37	CR3B	HSS4X4X4	.137	2	29	.055	.5	y	26	136	139	16.1	16.1	H1-
38	CR2B	HSS4X4X4	.134	2	17	.055	.5	y	14	136	139	16.1	16.1	H1-
39	SO2	HSS4X4X4	.134	5	5	.142	5	y	23	124	139	16.1	16.1	H1-
40	CR3A	HSS4X4X4	.126	0	35	.051	1	y	2	136	139	16.1	16.1	H1-
41	CR1B	HSS4X4X4	.123	0	5	.056	1	y	2	136	139	16.1	16.1	H1-
42	CR1A	HSS4X4X4	.113	0	11	.049	1	y	14	136	139	16.1	16.1	H1-
43	FACEBOT3	PIPE 3.0	.096	.6	17	.175	8		8	28.2	65.2	5.749	5.749	H1-
44	PLATECORN...	6x.675	.081	.3	35	.489	.3	y	26	128	131	1.845	16.4	H1-
45	PLATECORN...	6x.675	.079	.3	23	.481	.3	y	14	128	131	1.845	16.4	H1-
46	PLATECORN...	6x.675	.077	0	17	.497	0	y	26	128	131	1.845	16.4	H1-
47	PLATECORN...	6x.675	.075	0	29	.520	0	y	2	128	131	1.845	16.4	H1-
48	PLATE7	6x.675	.075	.1	2	.632	.1	y	20	128	131	1.845	16.4	H1-
49	PLATECORN...	6x.675	.072	.3	11	.469	.3	y	2	128	131	1.845	16.4	H1-
50	PLATECORN...	6x.675	.072	0	5	.461	0	y	14	128	131	1.845	16.4	H1-
51	PLATE12	6x.675	.070	.1	14	.609	.1	y	32	128	131	1.845	16.4	H1-
52	PLATE9	6x.675	.070	.1	26	.638	.1	y	8	128	131	1.845	16.4	H1-
53	PLATE11	6x.675	.060	.1	14	.582	.1	y	32	128	131	1.845	16.4	H1-
54	PLATE10	6x.675	.060	.1	2	.565	.1	y	2	128	131	1.845	16.4	H1-
55	PLATE8	6x.675	.058	.1	23	.604	.1	y	8	128	131	1.845	16.4	H1-
56	PLATE6	6x.675	.043	.1	23	.722	.2	y	26	129	131	1.845	16.4	H1-
57	PLATE5	6x.675	.043	.1	29	.696	0	y	26	129	131	1.845	16.4	H1-
58	PLATE4	6x.675	.041	.2	35	.689	.2	y	14	129	131	1.845	16.4	H1-
59	PLATE2	6x.675	.040	.2	23	.716	.2	y	2	129	131	1.845	16.4	H1-
60	PLATE3	6x.675	.040	.1	17	.668	0	y	14	129	131	1.845	16.4	H1-
61	PLATE1	6x.675	.035	0	17	.663	0	y	2	129	131	1.845	16.4	H1-

## **APPENDIX D**

### **Additional Calculations**

**POD Job #** 20-65184  
**Site Number** 806364  
**Site Name** HRT 106(B) 943202

Calculations Based on TIA-222-H

**Reactions from RISA-3D**

Moment 1.787 ft-kip  
 Axial 2.008 kips  
 Shear 0.537 kips

**Bolt Information**

Grade A325  
 Threads in Shear Plane Included  
 Diameter 0.625 in.  
 Bolt Spacing 6 in.  
 Number of Rods 4

**Flange Plate Information**

Width 8 in.  
 Thickness 0.75 in.  
 Grade A36

**Standoff Information**

Standoff Member HSS  
 Flat-Flat 4 in.  
 Thickness 0.25 in.

**Bolt Calculations**

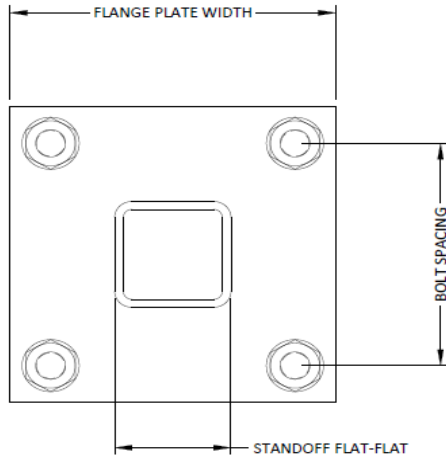
$\phi$  0.75  
 $A_{nt}$  0.226 in<sup>2</sup>  
 $A_b$  0.307 in<sup>2</sup>  
 $F_u$  120 ksi  
 $\phi R_{nv}$  13.81 kips  
 $\phi R_{nt}$  20.34 kips  
 $V$  0.13 kips  
 $F$  2.29 kips  
 Capacity 1.3%

**Flange Plate Calculations**

$\phi$  0.9  
 $F_y$  36 ksi  
 $t_{min}$  0.14 in  
 $Z$  1.1 in<sup>3</sup>  
 $\phi M_n$  36.5 in-kip  
 $M_u$  4.6 in-kip  
 Capacity 12.5%

**Capacities**

<b>Bolts</b>	<b>1.3%</b>
<b>Flange Plate</b>	<b>12.5%</b>





**POD Job #** 20-65184  
**Site Number** 806364  
**Site Name** HRT 106(B) 943202

**Connection Type** Single Shear

*RISA 3D Forces*  
 Axial (Bolts) 5.24 kips  
 Shear (Bolts) 0.213 kips  
 Axial Force (Member) 5.240 kips

*Bolt/Member Information*

Member Label	Kicker2	
# of Bolts	1	
Diameter	0.625	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
$L_b$	0	inches
$L_c$	1	inches
t	0.1875	inches

<b>Shear Capacity</b>	<b>1.5%</b>
<b>Axial Capacity</b>	<b>25.8%</b>
<b>Bearing Capacity</b>	<b>43.4%</b>
<b>Combined Capacity</b>	<b>6.7%</b>

# Exhibit F

## **Power Density/RF Emissions Report**





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

T-Mobile Existing Facility

Site ID: CTHA375A

143R Old Blue Hills Road  
Durham, Connecticut 06422

**July 14, 2020**

**EBI Project Number: 6220003050**

Site Compliance Summary	
Compliance Status:	<b>COMPLIANT</b>
Site total MPE% of FCC general population allowable limit:	<b>60.28%</b>

July 14, 2020

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

Emissions Analysis for Site: CTHA375A -

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **143R Old Blue Hills Road in Durham, 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 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The number of  $\mu\text{W}/\text{cm}^2$  calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

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

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

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



Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

## CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 143R Old Blue Hills Road in Durham, 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 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.
- 5) 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.



- 6) 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.
- 7) 2 LTE channels (BRS Band - 2500 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 8) 2 NR channels (BRS Band - 2500 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 9) 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.
- 10) 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.
- 11) The antennas used in this modeling are the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the Ericsson AIR 21 for the 2100 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24\_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s) in Sector A, the Ericsson AIR 21 for the 2100 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the RFS APXVAARR24\_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s) in Sector B, the Ericsson AIR 21 for the 2100 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the RFS APXVAARR24\_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 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.



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- 12) The antenna mounting height centerline of the proposed antennas is 73 feet above ground level (AGL).
- 13) 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.
- 14) 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 6449	Make / Model:	Ericsson AIR 21	Make / Model:	Ericsson AIR 21
Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2100 MHz	Frequency Bands:	2100 MHz
Gain:	22.05 dBd / 22.05 dBd	Gain:	15.35 dBd	Gain:	15.35 dBd
Height (AGL):	73 feet	Height (AGL):	73 feet	Height (AGL):	73 feet
Channel Count:	4	Channel Count:	2	Channel Count:	2
Total TX Power (W):	160 Watts	Total TX Power (W):	60 Watts	Total TX Power (W):	60 Watts
ERP (W):	25,651.93	ERP (W):	2,056.61	ERP (W):	2,056.61
Antenna A1 MPE %:	17.31%	Antenna B1 MPE %:	1.39%	Antenna C1 MPE %:	1.39%
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR 21	Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32
Frequency Bands:	2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz
Gain:	15.35 dBd	Gain:	15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.85 dBd
Height (AGL):	73 feet	Height (AGL):	73 feet	Height (AGL):	73 feet
Channel Count:	2	Channel Count:	4	Channel Count:	4
Total TX Power (W):	60 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	2,056.61	ERP (W):	8,728.31	ERP (W):	8,728.31
Antenna A2 MPE %:	1.39%	Antenna B2 MPE %:	5.89%	Antenna C2 MPE %:	5.89%
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz
Gain:	15.35 dBd / 15.85 dBd	Gain:	22.05 dBd / 22.05 dBd	Gain:	22.05 dBd / 22.05 dBd
Height (AGL):	73 feet	Height (AGL):	73 feet	Height (AGL):	73 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240 Watts	Total TX Power (W):	160 Watts	Total TX Power (W):	160 Watts
ERP (W):	8,728.31	ERP (W):	25,651.93	ERP (W):	25,651.93
Antenna A3 MPE %:	5.89%	Antenna B3 MPE %:	17.31%	Antenna C3 MPE %:	17.31%
Antenna #:	4	Antenna #:	4	Antenna #:	4
Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd
Height (AGL):	73 feet	Height (AGL):	73 feet	Height (AGL):	73 feet
Channel Count:	7	Channel Count:	7	Channel Count:	7
Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts
ERP (W):	8,466.41	ERP (W):	8,466.41	ERP (W):	8,466.41
Antenna A4 MPE %:	9.51%	Antenna B4 MPE %:	9.51%	Antenna C4 MPE %:	9.51%



Site Composite MPE %	
Carrier	MPE %
T-Mobile (Max at Sector A):	34.09%
AT&T	7.97%
Verizon	6.37%
Town	4.03%
Sprint	7.82%
<b>Site Total MPE % :</b>	<b>60.28%</b>

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	34.09%
T-Mobile Sector B Total:	34.09%
T-Mobile Sector C Total:	34.09%
Site Total MPE % :	60.28%

## 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 ( $\mu\text{W}/\text{cm}^2$ )	Frequency (MHz)	Allowable MPE ( $\mu\text{W}/\text{cm}^2$ )	Calculated % MPE
T-Mobile 2500 MHz LTE	2	6412.98	73.0	86.53	2500 MHz LTE	1000	8.65%
T-Mobile 2500 MHz NR	2	6412.98	73.0	86.53	2500 MHz NR	1000	8.65%
T-Mobile 2100 MHz UMTS	2	1028.30	73.0	13.87	2100 MHz UMTS	1000	1.39%
T-Mobile 1900 MHz LTE	2	2056.61	73.0	27.75	1900 MHz LTE	1000	2.77%
T-Mobile 2100 MHz LTE	2	2307.55	73.0	31.14	2100 MHz LTE	1000	3.11%
T-Mobile 600 MHz LTE	2	591.73	73.0	7.98	600 MHz LTE	400	2.00%
T-Mobile 600 MHz NR	1	1577.94	73.0	10.65	600 MHz NR	400	2.66%
T-Mobile 700 MHz LTE	2	648.82	73.0	8.75	700 MHz LTE	467	1.87%
T-Mobile 1900 MHz LTE	2	2203.69	73.0	29.73	1900 MHz LTE	1000	2.97%
T-Mobile 2500 MHz LTE	2	6412.98	73.0	86.53	2500 MHz LTE	1000	8.65%
						<b>Total:</b>	<b>34.09%</b>

• 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:	34.09%
Sector B:	34.09%
Sector C:	34.09%
T-Mobile Maximum MPE % (Sector A):	34.09%
Site Total:	60.28%
Site Compliance Status:	<b>COMPLIANT</b>

The anticipated composite MPE value for this site assuming all carriers present is **60.28%** 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.